CONTRACTS DEPARTMENT
P.O: DULIAJAN, DIST: DIBRUGARH
ASSAM (INDIA), PIN-786602
Tel: +91-374-280 0548
Fax: +91-374-280 3549
Email: contracts@oilindia.in
Website: www.oil-india.com

FORWARDING LETTER

M/s_____
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_____

Sub: IFB No. CDG1754P27 for 'Charter Hire of One (01) number of 3000 HP Drilling Rig Package in Assam and Arunachal Pradesh'.

Dear Sirs,

1.0 OIL INDIA LIMITED (OIL), a "Maharatna" Category, Government of India Enterprise, is a premier oil Company engaged in exploration, production and transportation of crude oil & natural gas with its Headquarters at Duliajan, Assam. Duliajan is well connected by Air with nearest Airport being at Dibrugarh, 45 km away.

2.0 In connection with its operations, OIL invites International Competitive Bids (ICB) from competent and experienced Contractors through OIL's e-procurement site for **Charter Hire of One (01) number of 3000 HP Drilling Rig Package.** One complete set of Bid Document covering OIL's IFB for hiring of above services is uploaded in OIL's e-procurement portal. You are invited to submit your most competitive bid on or before the scheduled bid closing date and time through OIL's e-procurement portal. For your ready reference, few salient points of the IFB (covered in detail in the Bid Document) are highlighted below:

(i)	IFB No. /E-Tender No.	:	**CDG1754P27**
(ii)	Type of Bidding	:	Online Open Global e-Tender: Single Stage-Two Bid System
(iii)	Tender Fee	:	Not Applicable
(iv)	Bid Closing Date & Time	:	**19th May, 2026 [11:00Hrs (IST)]**
(v)	Technical Bid Opening Date & Time	:	**19th May, 2026 [14:00Hrs (IST)]**
(vi)	Price Bid Opening Date & Time	:	Will be intimated only to the eligible/qualified Bidders nearer the time.
(vii)	Bid Submission Mode	:	Bids must be uploaded online in OIL's E-procurement portal

(viii)	Bid Opening Place	:	Office of Chief General Manager-Contracts Contract Department, Oil India Limited, Duliajan -786602, Assam, India.
(ix)	Bid Validity	:	**120 (one hundred twenty) days** from Bid Opening date
(x)	Mobilization Time	:	As defined in the tender
(xi)	Bid Security Amount	:	**INR 8.00 Crores or US$ 1,000,000.00** (Please refer to Clause no. 11.0 of ITB below for details regarding exemption of Bid Security)
(xii)	Bid Security Validity	:	Minimum upto **30th November, 2026**
(xiii)	Original Bid Security to be submitted	:	Office of Chief General Manager-Contracts Contract Department, Oil India Limited, Duliajan -786602, Assam, India.
(xiv)	Amount of Performance Security	:	**5% of Total Contract Value must be strictly submitted by the successful bidder** within **30 (thirty) days** from the date of issue of Letter of Award (LOA). **This 5% of Total Contract Value must be submitted by the successful bidder in two parts:** • Part-1: Performance Security amounting to 3% of Total Contract Value. • Part-2: Performance Security amounting to 2% of Total Contract Value. If the successful bidder completes the mobilization within the stipulated period mentioned in the tender/LOA, Part-2 shall be returned to the bidder by the Company within a period of seven (07) days.
(xv)	Validity of Performance Security	:	Up to 3(three) months beyond the contract period.
(xvi)	Location of job	:	Assam & Arunachal Pradesh
(xvii)	Duration of the Contract	:	**04 (Four) years** from the Date of Commencement of Operation. Please refer to Part-3, Section-III (Special Conditions of Contract) for details.
(xviii)	Quantum of Liquidated Damage for Default in Timely Mobilization	:	Refer Clause no. 30.0 of Part-3, Section-I (General Conditions of Contract).
(xix)	Integrity Pact	:	Must be digitally signed & uploaded along with the Techno-commercial Bid.

(xx)	Bids to be addressed to	:	CGM-Contracts, Contract Department, Oil India Limited, Duliajan-786602, Assam, India.
(xxi)	Pre-Bid Conference Date & Venue	:	**5th May' 2026**. Venue: Duliajan, Assam-786602
(xxii)	Last Date for receipt of Pre-bid Queries	:	**4th May, 2026** (Queries received after **4th May' 2026** will not be entertained)
(xxiii)	Whether tendered item is divisible	:	**No**

3.0 GUIDELINES FOR PARTICIPATING IN OIL'S E-PROCUREMENT:

3.1 Bids are to be submitted online through OIL's E-Procurement Portal with digital signature. To participate in OIL's E-procurement tender, bidders should have a legally valid digital certificate **of Class 3 with Organization's Name and Encryption certificate** as per Indian IT Act from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India (http://www.cca.gov.in). **Digital Signature Certificates having "Organization Name" field as "Personal" are not acceptable**. However, aforesaid Digital Signature Certificates having Bidder's Name in the "Organization Name" field are acceptable. **Only in case of sole proprietorship firms, Digital Signature Certificates issued in the name of the proprietor is also acceptable provided the bid is submitted in the capacity of a proprietorship firm.**

3.2 Digital Signature Certificate comes in a pair of Signing/verification and Encryption/decryption certificate. Bidder should have both the Signing/verification and Encryption/Decryption certificate for Signing and encryption, decryption purpose respectively. The driver needs to be installed once, without which the DSC will not be recognized. While participating on e-Tendering the DSC token should be connected to your system.

3.3 Encryption certificate is mandatorily required for submission of bid. In case bidder created response with one certificate (using encryption key) and bidder change his Digital Signature Certificate then old certificate [Used for encryption] is required in order to decrypt his encrypted response for getting the EDIT mode of the response. Once decryption is done, bidder may use new DSC certificate for uploading and submission of their offer. It is the sole responsibility of the bidder to keep their DSC certificate properly. In case of loss of the certificate, OIL INDIA LTD. will not be responsible.

3.4 For participation, applicants already having User ID & Password for OIL's E-Procurement Portal need to register against the IFB. New vendors/existing vendors not having User ID & Password for OIL's E-Procurement Portal shall obtain User ID & password through online vendor registration system in E-Portal.

3.4.1 Bidders without having E-Tender Login ID and password should complete their online registration at least 07 (Seven) days prior to the scheduled Bid Closing Date and time of the tender. For online registration, bidder may visit OIL's E-Tender site - https://etender.srm.oilindia.in/irj/portal.

3.4.2 Necessary Login ID & Password will be issued by OIL only after submitting the complete online registration by the Bidder. In the event of late registration/incomplete registration by Bidder, OIL INDIA LIMITED shall not be responsible for late allotment of User ID & Password and request for bid closing date extension on that plea shall not be entertained by Company.

3.5 Parties, who do not have a User ID, can click on Guest login button in the e-Tender portal to view and download the tender. The detailed guidelines are given in User Manual available in OIL's E-Procurement site. For any clarification in this regard, bidders may contact E-Tender Support Cell at Duliajan at erp_mm@oilindia.in, Ph.: 0374- 2807171/7192.

3.6 Details of process for submission of Bid Security (EMD) through the online payment gateway are available in Vendor User Manual under E-Procurement Portal. (**Note:** Important Points for on-line Payment can be viewed at Oil India's website at url:http://oil-india.com/pdf/ETenderNotification.pdf).

3.7 The link for OIL's E-Procurement Portal is available on OIL's web site (www.oil-india.com).

4.0 PRE-BID CONFERENCE:

4.1 A Pre-Bid Conference is scheduled to be held on **5th May' 2026** to explain the requirements of Company in details to the interested prospective Bidders and to understand bidders' perspective including exchange of views/clarifications, if any, on the Scope of Work, Bid Rejection/Bid Evaluation Criteria and other terms & conditions of the Tender. The parties who want to participate in the pre-bid conference must confirm their participation and forward the **e-mail IDs and contact details of maximum 2(two) representatives** along with their pre-bid queries to email ID: contracts@oilindia.in , if any latest by **4th May' 2026.** The exact venue for pre-bid conference shall be communicated to the nominated representatives nearer the scheduled date of pre-bid conference.

4.2 It is recommended to the prospective Bidders to attend the pre-bid conference and to make site visits to familiarize themselves with all the salient features of terrain and available infrastructure in OIL's operational areas. This will help the bidder to understand the total requirement for proper bidding.

4.3 Maximum two (2) representatives from each prospective Bidder, who registered themselves against the tender shall be allowed to participate in the pre-bid conference. All costs associated to attend the pre-bid conference by their representatives shall be borne by the interested Bidders.

4.4 The prospective bidders shall submit their queries/clarifications against the tender through E-mail addressed to CGM-Contracts, Oil India Ltd., Duliajan-786602, Assam and such queries must reach OIL's office at Duliajan latest by **4th May' 2026**. OIL shall provide clarifications to only those queries received within this date. Queries/ Clarifications against the tender received beyond **4th May' 2026** will not be entertained and replied. OIL will not be responsible for non-receipt or late receipt of any bidder's query in OIL's office.

4.5 However, clarifications/exceptions/deviations, if required any, should be brought out by the bidder prior to or during the Pre-Bid Conference only. After

processing these suggestions, as a sequel to the pre-bid conference, Company may communicate the changes in this regard, if agreed any, through an addendum to tender document to the prospective bidders who have registered against the tender. Company will not accept any exception/deviation to tender conditions/specifications once the same are frozen after the pre-bid conference and the non-compliant bid(s) shall be rejected outright against this tender.

4.6 The exact date and venue of pre-bid conference will be intimated to the interested bidders nearer the time.

4.0 IMPORTANT NOTES:

Bidders shall take note of the following important points while participating in OIL's e-procurement tender:

i) **BACKING OUT BY BIDDER:** In case any bidder withdraws their bid within the bid validity period, Bid Security will be forfeited and the party will be put on Holiday as per the Banning Policy (available in OIL's website) of Company.

ii) **BACKING OUT BY L-1 BIDDER AFTER ISSUE OF LOA:** In case LOA issued is not accepted by the L1 bidder or the Performance Security is not submitted as per the terms of the contract within the time specified in the Bid Document, the Bid Security shall be forfeited and the bidder shall be dealt as per the Banning Policy (available in OIL's website) of Company.

iii) **FURNISHING FRAUDULENT INFORMATION/DOCUMENT**: The information and documents furnished by the bidder/ contractor in respect of the subject tender/contract are accepted to be true and genuine. However, if it is detected during technical scrutiny or after award of the contract or after expiry of the contract, that the bidder had submitted any fake/fraudulent document or furnished false statement, the offer/contract shall be rejected/ cancelled, as the case may be and the bidder (if fake document/false statement pertains to such bidder) shall be dealt as per the Banning Policy (available in OIL's website) of Company. Undertaking of authenticity of information/documents submitted as per **Proforma-J** should be submitted along with the technical bids.

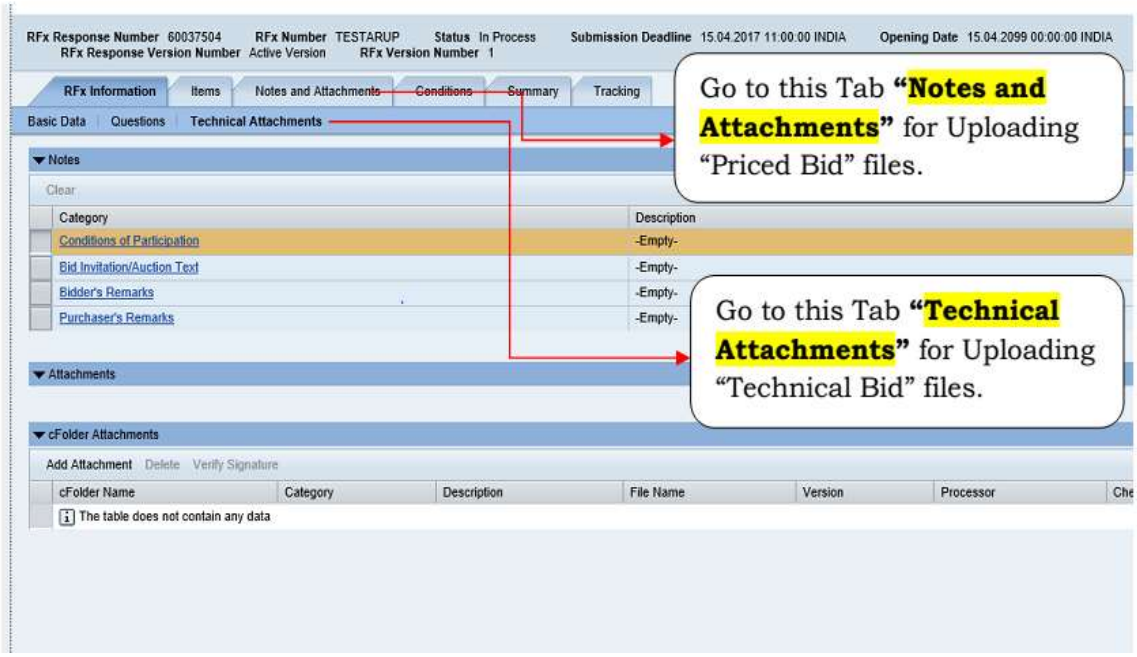
iv) **ERRING / DEFAULTING AGENCIES:** Erring and defaulting agencies like bidder, contractor, supplier, vendor, service provider will be dealt as per OIL's Banning Policy dated 6th January, 2017 revised w.e.f. 17th March, 2023 available in OIL's website: www.oil-india.com.

v) Bid should be submitted online in OIL's E-procurement site up to 11.00 AM (IST)(Server Time) on the date as mentioned and will be opened on the same day at 2.00 PM(IST) at the office of the CGM-Contracts in presence of the authorized representatives of the bidders.

vi) If the digital signature used for signing is not of "Class-3" with Organizations name, the bid will be rejected.

vii) The tender is invited under **SINGLE STAGE-TWO BID SYSTEM**. The bidders shall submit both the "**TECHNICAL**" and "**PRICED**" bids through electronic form in the OIL's e-Procurement portal within the Bid Closing Date and Time stipulated in the e-Tender. The Technical Bid should be submitted as per Scope of Work & Technical Specifications along with all technical documents related to the tender and uploaded in

"Technical Attachments" Tab only. Bidders to note that no price details should be uploaded in "Technical Attachments" Tab Page. Details of prices as per Price Bid format/Priced bid can be uploaded under "Notes & Attachments" tab. A screen shot in this regard is shown below. Offer not complying with above submission procedure will be rejected as per Bid Evaluation Criteria.



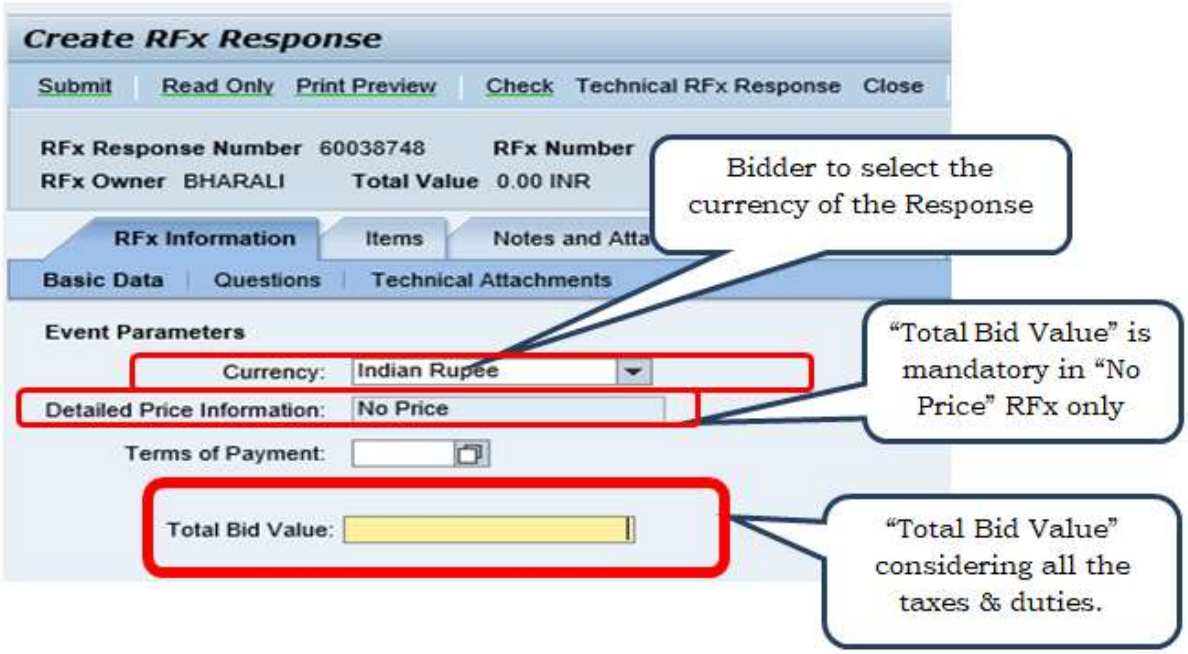
On "**EDIT**" Mode, bidders are advised to upload "**Technical Bid**" and "**Priced Bid**" in the respective places as indicated above:

Notes:

* The "Technical Bid" shall contain all techno-commercial details **except the prices**.

** The "Priced bid" must contain the price schedule and the bidder's commercial terms and conditions, if any.For uploading Priced Bid, click on Add Atachment, a browser window will open, select the file from the PC and name the file under Description, Assigned to General Data and click on OK to digitally sign and upload the File. Please click on Save Button of the Response to Save the uploaded files.

viii) Maintenance of Total bid value in the Response:For convenience of the Bidders and to improve transparency, the rates/costs quoted by bidders against the E-tender shall be available for online viewing to all the Techno-commercially qualified Bidders against the tender after price bids are opened in the system. For tenders where **Detailed Price Information under RFx Information Tab is "No price"**, the Price Bid is invited against the tender through attachment form under "Notes & Attachment". In such tenders, Bidders must upload their pricing as per the **"Price Bid Format – Proforma-B"** under **"Notes & Attachment"** and additionally fill up the **on-line field "Total Bid Value"** under **"RFx Information"** Tab Page with the Total Cost (Including the GST component) as per the amount of the Price Bid in attachment form.



The "Total Bid Value" as entered by the Bidder in the on-line response shall be displayed in the E-tender portal amongst the techno-commercially qualified bidders and Company will not take any responsibility whatsoever towards incorrect information furnished by the bidders on the "Total Bid Value" field.

It is to be noted that Amount mentioned in the "Total Bid Value" field will not be considered for bid evaluation and evaluation will be purely based on the Price bid submitted as per the "Price Bid Format: Proforma-B" under "Notes & Attachments" tab page.

5.0 RESTRICTIONS ON PROCUREMENT FROM A BIDDER OF A COUNTRY WHICH SHARES LAND BORDER WITH INDIA:

Subject to **Order No. F. 7/10/2021-PPD (1) dated 23.02.2023** (as amended from time to time) issued by Department of Expenditure, Ministry of Finance, Govt. of India, Bidders should take note of the following:

5.1 Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority [Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT)]. Further, any bidder (including bidder from bidder) having specified Transfer of Technology (ToT) arrangement with an entity from a country which shares a land border with India, shall also require to be registered with the same competent authority to be eligible to bid in this tender.

5.2 "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or

firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.

5.3 "Bidder (or entity) from a country which shares a land border with India" for the purpose of this Order means:

a. An entity incorporated, established or registered in such a country; or
b. A subsidiary of an entity incorporated, established or registered in such a country; or
c. An entity substantially controlled through entities incorporated, established or registered in such a country; or
d. An entity whose beneficial owner is situated in such a country; or
e. An Indian (or other) agent of such an entity; or
f. A natural person who is a citizen of such a country; or
g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

5.4 The beneficial owner for the purpose of para 5.3 above will be as under:

5.4.1 In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.

Explanation:

a. "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent. of shares or capital or profits of the company;

b. "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders' agreements or voting agreements;

5.4.2 In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;

5.4.3 In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;

5.4.4 Where no natural person is identified under 5.4.1 or 5.4.2 or 5.4.3 above, the beneficial owner is the relevant natural person who holds the position of senior managing official;

5.4.5 In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

5.5 An Agent is a person employed to do any act for another, or to represent another in dealings with third person.

5.6 The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority. A declaration as per **Exhibit-I** in this respect to be submitted by the bidder for participation in this tender.

5.7 **Validity of registration**: In respect of tenders, registration should be valid at the time of submission of bids and at the time of acceptance of bids. In respect of supply otherwise than by tender, registration should be valid at the time of placement of order. If the bidder was validly registered at the time of acceptance/placement of order, registration shall not be a relevant consideration during contract execution.

5.8 If the undertakings viz. **Exhibit-I**, **Exhibit-II** and **Exhibit-III** given by a bidder whose bid is accepted is found to be false, this would be a ground for debarment/action as per OIL's Banning Policy and further legal action in accordance with law.

6.0 OIL now looks forward to your active participation in the IFB.

Thanking you,

Yours faithfully,
OIL INDIA LIMITED

Sd/-
(Z. Das)
Manager – Contracts
For Chief General Manager – Contracts
FOR RESIDENT CHIEF EXECUTIVE

Date: 28.04.2026

PART-1
INSTRUCTIONS TO BIDDERS (ITB)

1.0 Eligibility of the bidder:

1.1 The eligibility of the bidder are listed under BID EVALUATION CRITERIA (BEC), PART-2 of the Bid document.

1.2 Bidder shall bear all costs associated with the preparation and submission of bid. Oil India Limited, hereinafter referred to as Company, will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

2.0 Bid Documents:

2.1 The services required, bidding procedures and contract terms are prescribed in the Bid Document. This Bid Document includes the following:

a) A Tender Forwarding Letter
b) Instructions to Bidders (ITB), (Part-1)
c) Bid Evaluation Criteria(BEC), (Part-2)
d) General Conditions of Contract(GCC), (Part-3, Section-I)
e) Terms of Reference/Technical Specification, (Part-3, Section-II)
f) Special Conditions of Contract, (Part-3, Section-III)
g) Schedule of Rates, (Part-3, Section-IV)
h) Safety Measures, (Part-3, Section-V)
i) Proformas, Annexures, Exhibits & Appendices

2.2 The bidder is expected to examine all instructions, forms, terms and specifications in the Bid Documents. Failure to furnish all information required in the Bid Documents or submission of a bid not substantially responsive to the Bid Documents in every respect will be at the Bidder's risk & responsibility and may result in the rejection of its bid.

2.3 Bidders shall be deemed, prior to submitting their bids, to have satisfied themselves about the weather conditions, working culture in the area, socio-political environment, safety & security aspects, law & order situation and law of the land, and obtain for themselves all necessary information as to the risks, contingencies and all other circumstances, which may influence or affect the various obligations under the Contract.

3.0 Transferability of bid documents:

3.1 Bid Documents are non-transferable. Bid can be submitted only by the bidder in whose name the Bid Document has been issued/registered.

3.2 In case of e-Tender, Bidder must submit the bid using Organizational Class-3 Digital Signature issued by the Competent Authority in favour of the bidder. Bid submitted using Digital Signature other than the Digital Signature of the bidder shall be summarily rejected.

3.3 Unsolicited bids will not be considered and will be rejected straightway.

4.0 Amendment of bid documents:

4.1 At any time prior to the deadline for submission of bids, the Company may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the Bid Documents through issuance of an Addendum(s)/Corrigendum(s)/Amendment(s).

4.2 The Addendum will be uploaded in OIL's E-Tender Portal in the Tab "Technical Rfx" and under External Area - "Amendments" folder. The Company may, at its discretion, extend the deadline for bid submission. Bidders are expected to take the Addendum into account in preparation and submission of their bid. Bidders are to check from time to time the E-Tender portal ["Technical RFx" Tab and under the folder "Amendments"] for any amendments to the bid documents before submission of their bids. No separate intimation shall be sent to the Bidders.

5.0 Preparation of Bids:

5.1 Language of Bids:

The bid prepared by the bidder and all correspondence and documents relating to the bid exchanged by the Bidder and the OIL shall be written in English language. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in English, duly authenticated by local chamber of Commerce of bidder's country, in which case, for purposes of interpretation of the bid, the translation shall prevail.

5.2 Bidder's/Agent's Name & address:

Bidders should indicate in their bids their detailed postal address including the Fax/Telephone / Cell Phone Nos. and E-mail address. Similar information should also be provided in respect of their authorised Agents in India, if any.

5.3 Documents comprising the bid:

Bids are invited under **Single Stage Two Bid System**. The bid to be uploaded by the Bidder in OIL's E-Tender portal shall comprise of the following components:

(A) Technical Bid (to be uploaded in "Technical Attachments" tab)

a) Complete technical details of the services offered.
b) Documentary evidence established in accordance with Clause 9.0.
c) Bid Security Form as per Proforma-E.
d) Copy of Bid-Form without indicating prices in Proforma-C.
e) Statement of Non-compliance as per Proforma–D.
f) Proforma-A: List of items to be imported without the CIF values (For Global Tenders).
g) Copy of Priced Bid without indicating prices (Proforma-B).
h) Integrity Pact digitally signed by OIL's competent personnel as Proforma-M attached with the bid document to be digitally signed by the bidder's Authorised representative.

i) All Other relevant Undertakings and Proformas as applicable as part of Bid.

Note: Please note that, no price should be mentioned in the "Technical Attachments" tab, otherwise the bid shall be rejected straightway.

(B) Price Bid (to be uploaded in "Notes and Attachments" tab)

Bidder shall quote their prices in the following Proforma available in OIL's E-procurement portal in the "Notes & Attachments" Tab:

a) Price-Bid Format as per Proforma-B

b) Proforma-A showing the items to be imported with the CIF values (For Global Tenders).

The Priced Bid shall contain the prices along with the currency quoted.

6.0 Bid Form:

The bidder shall complete the Bid Form and the appropriate Price Schedule furnished in their Bid.

7.0 Bid Price:

7.1 Prices must be quoted by the Bidders online as per the price bid format available in OIL's E-Tender Portal under "Notes & Attachment" Tab. Prices must be quoted by the bidders as per the Price/Bidding format.

7.2 Prices quoted by the successful bidder must remain firm during its performance of the Contract and is not subject to variation on any account.

7.3 All duties and taxes (excluding GST) including Corporate Income Tax, Personal Tax, Assam Entry Tax etc. and other Cess/levies payable by the successful bidder under the Contract for which this Bid Document is being issued, shall be included in the rates, prices and total Bid Price submitted by the bidder, and the evaluation and comparison of bids shall be made considering the quoted GST in the proforma. For example, personal taxes and/or any corporate taxes arising out of the profits on the contract as per rules of the country shall be borne by the bidder.

8.0 Currencies of bid and payment:

FOR FOREIGN BIDDERS:

Foreign Bidders are allowed to quote price (and get paid) in RBI's notified basket of foreign currencies - US Dollar or Euro or Pound Sterling or Yen etc., in addition to the Indian Rupees, except for expenditure incurred in India (including agency commission if any) which should be stated in Indian Rupees. For determining the expenditure incurred in India, the foreign bidder must quote the percentage of the Indian Component/expenditure against each line item of the Price Bid Format. During payment (if successful), the Expenses in India component of the price shall be converted to INR (if their quoted price is other than INR) considering the conversion rate as per Clause no. 21.0 of ITB

below. The bidder shall submit an Undertaking as per **Proforma-XY** along with the technical bid.

FOR INDIAN BIDDERS:

Indian Bidders are to quote in INR only. However, if any Indian bidder quotes their price in currency other than INR, contract to the bidder shall be awarded (if successful) in INR only considering the conversion rate as per Clause No. 21.0 of ITB.

9.0 Documents establishing bidder's eligibility and qualifications:

These are listed in BID EVALUATION CRITERIA (BEC), PART-2 of the Bid document.

10.0 Bid Security:

10.1 The Bid Security is required to protect the Company against the risk of Bidder's conduct, which would warrant forfeiture of the Bid Security, pursuant to sub-clause **10.8.**

10.2 All the bids must be accompanied by Bid Security in Original for the amount as mentioned in the "Forwarding Letter" or an equivalent amount in other freely convertible currency and shall be in Insurance Surety Bond (format enclosed as **Proforma-BS**) DD/FDR (account OIL INDIA LIMITED)/NEFT/RTGS/Electronic fund transfer to designated account of OIL/online payment through OIL's e-portal/Bank Guarantee (BG) in OIL's prescribed format as enclosed with the NIT vide **Proforma-E** or an irrevocable Letter of Credit (L/C) from any of the following Banks –

a) Any schedule Indian Bank or Any Branch of an International bank situated in India and registered with Reserve Bank of India as scheduled foreign bank in case of domestic bidder, or

b) In case of foreign bidder, the bank guarantee can be accepted from any scheduled bank in India or from International bank who has its branch in India registered with Reserve Bank of India, or

c) Any foreign Bank which is not a Scheduled Bank in India provided the Bank Guarantee issued by such Bank is counter-guaranteed by any Branch situated in India of any Scheduled Bank incorporated in India.

d) Bank Guarantee issued by a Scheduled Bank on India at the request of some other Non-Schedule Bank of India shall not be acceptable.

Note: In case of Insurance Surety Bonds, a letter from the issuing insurer of the requisite Insurance Surety Bond confirming that said Insurance Surety Bond / all future communication relating to the Insurance Surety Bond shall be forwarded to the Purchaser to the following address:

CGM-Contracts

Contracts Department, Oil India Limited, Duliajan,

Assam-786602

e-mail ID: contracts@oilindia.in;

10.3 Any bid not secured in accordance with sub-clause **10.2** above shall be rejected by the Company as non-responsive.

10.4 The bidders shall extend the validity of the Bid Security suitably, if and when specifically advised by OIL, at the bidder's cost.

10.5 Unsuccessful Bidder's Bid Security will be discharged and/or returned within 30 days after finalization of the Tender.

10.6 Successful Bidder's Bid Security will be discharged and/or returned upon Bidder's furnishing the Performance Security and signing of the contract. Successful bidder will however ensure validity of the Bid Security till such time the Performance Security in conformity with Clause 27.0 below is furnished.

10.7 Bid Security shall not accrue any interest during its period of validity or extended validity.

10.8 The Bid Security may be forfeited:

a. If the bidder withdraws the bid within its original/extended validity.
b. If the bidder modifies/revises their bid suo-moto.
c. If the bidder does not accept the order/contract.
d. If the bidder does not furnish Performance Security Deposit within the stipulated time as per tender/order/contract.
e. If it is established that the bidder has submitted fraudulent documents or has indulged into corrupt and fraudulent practice, the bid security shall be forfeited after due process in addition to other action against the bidder.

10.9 In case any bidder withdraws their bid during the period of bid validity, Bid Security will be forfeited and the party shall be debarred for a period of 2(two) years or as deemed fit as per the prevailing Banning Policy of the Company (OIL).

10.10 The scanned copy of the original Bid Security submitted in the form of either Bank Guarantee or L/C or Bank Draft or Cashier's cheque or Fixed Deposit Receipt or Insurance Surety Bonds must be uploaded by bidder along with the Technical bid in the "Technical Attachment" tab of OIL's E-portal. The original Bid Security shall be submitted by bidder to the office of CGM-Contracts, Oil India Ltd., Duliajan-786602(Assam), India in a sealed envelope which must reach CGM-Contract's office on or before 12.45 Hrs (IST) on the Bid Closing date.

10.11 A bid shall be rejected straightway if Original Bid Security is not received within the stipulated date & time mentioned in the Tender and/or if the Bid Security validity is shorter than the validity indicated in Tender and/or if the Bid Security amount is lesser than the amount indicated in the Tender.

10.12 The Bank Guarantee issuing bank branch must ensure the following:

10.13 The Bank Guarantee issued by the bank must be routed through SFMS platform as per the following details:

(i) "MT 760 / MT 760 COV for issuance of bank guarantee.

(ii) "MT 760 / MT 767 COV for amendment of bank guarantee.

[Tender Number should reflect in the SFMS text under "MT 760 / MT 760 COV]

The above message/intimation shall be sent through SFMS by the BG issuing bank branch to **ICICI BANK LTD., Duliajan Branch; IFS Code – ICIC0000213; SWIFT Code – ICICINBBXXX; Branch Address: Kunja Bhavan, Daily Bazaar, Duliajan, Dibrugarh, Assam – 786602**. The Bank details are as under:

	Bank Details of Beneficiary	
A	Bank Name	ICICI Bank Ltd.
B	Branch Name	Duliajan
C	Branch Address	Kunja Bhavan, Daily Bazaar, Duliajan, Dibrugarh, Assam – 786602
D	IFSC Code	ICIC0000213
E	Unique identifier code (Field 7037)	OIL503988890
F	Company name	Oil India Limited
H	SWIFT Code	ICICINBBXXX

10.14 Bid Security amount through NEFT or RTGS mode may be deposited on or before bid closing date and time to the following designated OIL's bank account:

	Bank Details of Beneficiary: OIL INDIA LIMITED	
a	Bank Name	STATE BANK OF INDIA
b	Branch Name	Duliajan
c	Branch Address	Duliajan, Dist.-Dibrugarh
d	Bank Account No.	**10494832599**
e	Type of Account	Current Account
f	IFSC Code	**SBIN0002053**
g	MICR Code	786002302
h	SWIFT Code	SBININBB479

Note: If the bid security is submitted through NEFT or RTGS mode, details such as **UTR No., Tender No., Bidder's name & Deposited Amount etc. must be uploaded with the** Unpriced Techno-Commercial Bid documents.

10.15 Submission of Bid Security in the form of Electronic Bank Guarantee (e-BG) is also acceptable:

Sl. No.	Bank Name	Sl. No.	Bank Name
1	AU Small Finance Bank	18	Indian Bank
2	Axis Bank limited	19	Indian Overseas Bank
3	Bank of Baroda	20	IndusInd Bank
4	Bank of India	21	Karnataka Bank
5	Bank of Maharashtra	22	Karur Vysya Bank
6	Canara Bank	23	Kotak Mahindra Bank
7	Central Bank of India	24	Punjab and Sind Bank
8	City Union Bank	25	Punjab National Bank
9	DBS Bank	26	RBL Bank
10	DCB Bank	27	Standard Chartered
11	Dhanlaxmi Bank	28	State Bank of India
12	Federal Bank	29	South Indian Bank
13	HDFC Limited	30	Tamilnad Mercantile Bank Ltd
14	HSBC Bank	31	UCO Bank
15	ICICI Bank	32	Union Bank of India
16	IDBI Bank	33	Yes Bank
17	IDFC First Bank		
Any other bank as updated by NeSL from time to time.			

Beneficiary details for issue of e-BG are:

Sl. No.	Particulars	Details
1	NAME	OIL INDIA LIMITED
2	PAN	AAACO2352C
3	Date of Incorporation	18-02-1959
4	Email ID	contract-global@oilindia.in
5	Mobile No	+91-8638144647
6	Local Address	Duliajan, Dibrugarh, Assam- 786602
7	Registered Address	Duliajan, Dibrugarh, Assam- 786602

11.0 **Exemption from submission of Bid Security**: In case any bidder is exempted from paying the Bid security, they should upload the supporting documents along with their technical bid. The detailed guidelines for exemption of the Bid security are given below.

a) MSEs Units (manufacturers/Service Providers only and not their dealers/distributors) eligible for exemption of Bid Security shall furnish Udyam Registration Number with Udyam Registration Certificate along with technical bid.

Note:

i. Categorization and various criteria applicable to MSE bidders shall be guided by the Gazette Notification No. CG-DL-E-26062020-220191 dated 26.06.2020 issued by MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES and as amended time to time.

ii. In case bidding MSE is owned by Schedule Caste or Schedule Tribe or Woman entrepreneur, valid documentary evidence issued by the agency who has registered the bidder as MSE owned by SC/ST entrepreneur should also be enclosed.

b) **Central as well as State Government Departments and Public Sector Undertakings (PSUs)** are also exempted from submitting bid security.

Note: Bids without EMD shall be rejected, if the technical offer does not include a valid copy of relevant Document/Certificate towards exemption of EMD, issued by appropriate authority.

12.0 Period of validity of bids:

12.1 Bids shall remain valid as per the requirement mentioned in forwarding letter from the date of closing of bid prescribed by the Company. Bids of shorter validity will be rejected as being non-responsive. If nothing is mentioned by the bidder in their bid about the bid validity, it will be presumed that the bid is valid for **120 days** from Bid Opening Date.

12.2 In exceptional circumstances, the Company may solicit the Bidder's consent to an extension of the period of validity. The request and the response thereto shall be made in writing through Fax or e-mail. A Bidder may refuse the request without forfeiting its Bid Security. A Bidder granting the request will neither be required nor permitted to modify their Bid.

13.0 Signing & submission of bids:

13.1 Signing of bids:

13.1.1 Bids are to be submitted online through OIL's E-procurement portal with digital signature. The bid and all attached documents should be digitally signed by the bidder using "Class 3" digital certificates with Organization's Name [e-commerce application (Certificate with personal verification and Organisation Name)] as per Indian IT Act 2000 obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India before bid is uploaded. Digital Signature Certificates having Bidder's Name in the "Organization Name" field are only acceptable. Digital Signature Certificate having "Organization Name" field other than Bidder's Name shall be rejected summarily.

The bid including all uploaded documents shall be digitally signed by duly authorized representative of the bidder holding a Power of Attorney to bind the Bidder to the contract.

If any modifications are made to a document after attaching digital signature, the digital signature shall again be attached to such documents before uploading the same. The Power of Attorney shall be submitted by bidder.

In case the digital signature is not of "Class-3" with organization name, the bid will be rejected. Bidder is responsible for ensuring the validity of digital signature and its proper usage by their employees.

13.1.2 The original and all copies of the bid shall be typed or written in indelible inks. Since bids are to be submitted ONLINE with digital signature, manual signature is NOT relevant. The letter of authorisation (as per **Proforma-H**) shall be indicated by written Power of Attorney accompanying the Bid.

13.1.3 Any physical documents submitted by bidders shall contain no interlineations, white fluid erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such correction shall be initialed by the person or persons who has/have digitally signed the Bid.

13.1.4 Any Bid, which is incomplete, ambiguous, or not in compliance with the Bidding process shall be rejected.

13.2 Submission of bids:

The tender is processed under single stage - Two bid system. Bidder shall submit the Technical bid and Priced bid along with all the Annexures and Proforma (wherever applicable) and copies of documents in electronic form through OIL's e-procurement portal within the Bid Closing Date & Time stipulated in the e-tender. For submission of Bids online at OIL's E-Tender Portal, detailed instructions is available in "User Manual" available in OIL's E-Tender Portal. Guidelines for bid submission are also provided in the "Forwarding Letter". The Technical Bid is to be submitted as per Terms of Reference/Technical Specifications of the bid document and Priced Bid as per the Price Schedule. The Technical Bid should be uploaded in the "Technical Attachment" Tab Page only. Prices to be quoted as per Proforma-B should be uploaded as Attachment just in the attachment link under "Notes & Attachments" Tab under General Data in the e-portal. No price should be given in the "Technical Attachment", otherwise bid shall be rejected. The priced bid should not be submitted in physical form and which shall not be considered. However, the following documents in one set should necessarily be submitted in physical form in sealed envelope superscribing the "IFB No., Brief Description of services and Bid Closing/Opening date & Time along with the bidder's name and should be submitted to CGM-Contracts, Oil India Ltd., Duliajan-786602 (Assam) on or before 12.45 Hrs (IST) on the bid closing date indicated in the IFB:

a) The Original Bid Security
b) Printed catalogue and literature if called for in the bid document.
c) Any other document required to be submitted in original as per bid document requirement.

Documents sent through E-mail/Fax/Telephonic method will not be considered.

13.2.1 All the conditions of the contract to be made with the successful bidder are given in various Sections of the Bid Document. Bidders are requested to state their non-compliance to each clause as per **Proforma-D** of the bid document and the same should be uploaded along with the Technical Bid.

13.2.2 Timely delivery of the documents in physical form as stated in Para 13.2 above is the responsibility of the bidder. Bidders should send the same through

Registered Post or by Courier Services or by hand delivery to the Officer in Charge of the particular tender before the Bid Closing Date and Time. Company shall not be responsible for any postal delay/transit loss.

13.2.3 Bids received through the e-procurement portal shall only be accepted. Bids received in any other form shall not be accepted.

14.0 Indian agent/representative/retainer/associate:

Foreign bidders shall clearly indicate in their bids whether they have an Agent/Representative/Retainer/Associate in India. In the event the overseas bidder is having an Agent/Representative/Retainer/Associate in India, the bidder should furnish the name and address of their Agent/Representative/ Retainer/Associate in India and clearly indicate nature and extent of services to be provided by such an Agent/ Representative/Retainer/Associate in India and also stating in their bids whether the Agent/Representative/Retainer/ Associate is authorized to receive any commission. The rate of the commission included in the quoted rates of bidder should be indicated which would be payable to Agent/Representative/Retainer/Associate in non-convertible Indian currency according to Import Trade Regulation of India. Unless otherwise specified, it will be assumed that agency commission is not involved in the particular bid.

Further, overseas bidders shall submit their bids directly and not through their Agent/Representative/Retainer/Associate in India. Bid submitted by Indian Agent/Representative/Retainer/Associate on behalf of their foreign principals will not be considered and will be rejected straightway. Moreover, one Indian Agent/Representative/Retainer/Associate cannot represent more than one foreign bidder against the IFB.

The Indian Agent/Representative/Retainer/Associate will not be permitted to submit any Bid Security and Performance Security on behalf of their foreign principals and also the Indian Agent/ Representative/Retainer/Associate will not be allowed to execute the contract and receive payment against bid submitted by their foreign principals. Such bids shall be rejected straightway.

15.0 Deadline for submission of bids:

15.1 Bids should be submitted online as per the online tender submission deadline. Bidders will not be permitted by System to make any changes in their bid/quote after the bid submission deadline is reached. Bidders are requested to take note of this and arrange to submit their bids within the submission deadline to avoid last minute rush/network problems.

15.2 No bid can be submitted after the submission deadline is reached. The system time displayed on the e-procurement web page shall decide the submission deadline.

15.3 The documents in physical form as stated in Para 13.2 must be received by Company at the address specified in the “Forwarding Letter” on or before 12.45 Hrs(IST) on the Bid Closing Date mentioned in the "Forwarding Letter". Timely

delivery of the same at the address mentioned in the Forwarding Letter is the responsibility of the Bidders.

16.0 Late Bids:

Bidders are advised in their own interest to ensure that their bids are uploaded in system much before the closing date and time of the bid. The documents in physical form if received by the Company after the deadline for submission prescribed by the Company shall be rejected and shall be returned to the Bidders in unopened condition immediately.

17.0 Modification and withdrawal of bids:

17.1 The Bidder after submission of Bid may modify or withdraw its Bid prior to Bid Closing Date & Time in the e-portal using Digital Signature by the person or persons who has/have digitally signed the Bid. Withdrawal or modification of bid through physical correspondence shall not be considered and accepted.

17.2 No Bid can be modified or withdrawn subsequent to the deadline for submission of Bids.

17.3 No Bid can be withdrawn in the interval between the deadline for submission of Bids and the expiry of the period of Bid Validity specified by the Bidder on the Bid Form. Withdrawal of a Bid during this interval shall result in the Bidder's forfeiture of its Bid Security and bidder shall also be debarred from participation in future tenders of OIL.

18.0 Extension of bid submission date:

Normally no request for extension of Bid Closing Date & Time will be entertained. However, OIL at its discretion, may extend the Bid Closing Date and/or Time due to any reasons.

19.0 Bid opening and evaluation:

19.1 Company will open the Technical Bids, including submission made pursuant to clause 17.0, in presence of Bidder's representatives who choose to attend at the date, time and place mentioned in the Forwarding Letter. However, an authorisation letter (as per Proforma-I) from the Bidder must be produced by the Bidder's representative at the time of Bid Opening. Unless this Letter is presented, the representative will not be allowed to attend the Bid Opening. The Bidder's representatives who are allowed to attend the Bid Opening shall sign a register evidencing their attendance. Only one representative against each Bid will be allowed to attend. In technical bid opening, only “Technical Attachment” will be opened. Bidders therefore should ensure that technical bid is uploaded in the “Technical Attachment” Tab Page only in the E-portal.

19.2 In case of any unscheduled holiday or Bandh on the Bid Opening Date, the Bids will be opened on the next full working day. Accordingly, Bid Closing Date / time will get extended up to the next working day and time.

19.3 Bids which have been withdrawn pursuant to clause 17.0 shall not be opened. Company will examine bids to determine whether they are complete, whether

requisite Bid Securities have been furnished, whether documents have been digitally signed and whether the bids are generally in order.

19.4 At bid opening, Company will announce the Bidder's names, written notifications of bid modifications or withdrawal, if any, the presence of requisite Bid Security, and such other details as the Company may consider appropriate.

19.5 Normally no clarifications shall be sought from the Bidders. However, for assisting in the evaluation of the bids especially on the issues where the Bidder confirms compliance in the evaluation and contradiction exists on the same issues due to lack of required supporting documents in the Bid (i.e. document is deficient or missing), or due to some statement at other place of the Bid (i.e. reconfirmation of confirmation) or vice versa, clarifications may be sought by OIL. In all the above situations, the Bidder will not be allowed to change the basic structure of the Bid already submitted by them and no change in the price or substance of the Bid shall be sought, offered or permitted.

19.6 Prior to the detailed evaluation, Company will determine the substantial responsiveness of each bid to the requirement of the Bid Documents. For purpose of these paragraphs, a substantially responsive bid is one, which conforms to all the terms and conditions of the Bid Document without material deviations or reservation. A material deviation or reservation is one which affects in any substantial way the scope, quality, or performance of work, or which limits in any substantial way, in-consistent way with the Bid Documents, the Company's right or the bidder's obligations under the contract, and the rectification of which deviation or reservation would affect unfairly the competitive position of other bidders presenting substantial responsive bids. The Company's determination of Bid's responsiveness is to be based on the contents of the Bid itself without recourse to extrinsic evidence.

19.7 A Bid determined as not substantially responsive will be rejected by the Company and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

19.8 The Company may waive minor informality or nonconformity or irregularity in a Bid, which does not constitute a material deviation, provided such waiver, does not prejudice or affect the relative ranking of any Bidder.

20.0 <u>Opening of priced bids</u>:

20.1 Company will open the Priced Bids of the techno-commercially qualified Bidders on a specific date in presence of representatives of the qualified bidders. The techno-commercially qualified Bidders will be intimated about the Priced Bid Opening Date & Time in advance. In case of any unscheduled holiday or Bandh on the Priced Bid Opening Date, the Bids will be opened on the next working day.

20.2 The Company will examine the Price quoted by Bidders to determine whether they are complete, any computational errors have been made, the documents have been properly signed, and the bids are generally in order.

20.3 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price (that is obtained by

multiplying the unit price and quantity) the unit price shall prevail and the total price shall be corrected accordingly. If there is a discrepancy between words, and figures, the amount in words will prevail. If any Bidder does not accept the correction of the errors, their Bid will be rejected.

21.0 Conversion to single currency:

While evaluating the bids, the closing rate (B.C. Selling Rate) of exchange declared by State Bank of India on the day prior to price bid opening will be taken into account for conversion of foreign currency into Indian Rupees.

22.0 Evaluation and comparison of bids:

The Company will evaluate and compare the bids as per BID EVALUATION CRITERIA (BEC), PART-2 of the Bid Documents.

22.1 Discounts / rebates

22.1.1 Unconditional discounts/rebates, if any, given in the bid will be considered for evaluation.

22.1.2 Post bid or conditional discounts/rebates offered by any bidder shall not be considered for evaluation of bids. However, if the lowest bidder happens to be the final acceptable bidder for award of contract, and if they have offered any discounts/rebates, the contract shall be awarded after taking into account such discounts/rebates.

22.2 Loading of foreign exchange

There would be no loading of foreign exchange for deciding the inter-se-ranking of domestic bidders.

22.3 Exchange rate risk

Company will not compensate for any exchange rate fluctuations in respect of the services.

22.4 Repatriation of rupee cost

In respect of foreign parties rupee payments made on the basis of the accepted rupee component of their bid, would not be repatriable by them. A condition to this effect would be incorporated by the Company in the contract.

23.0 Contacting the company:

23.1 Except as otherwise provided in Clause 19.0 above, no Bidder shall contact Company on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded except as required by Company vide sub-clause 19.5.

23.2 An effort by a Bidder to influence the Company in the Company's bid evaluation, bid comparison or Contract award decisions may result in the rejection of their bid.

24.0 Award of contract:

The Company will award the Contract to the successful Bidder(s) whose bid has been determined to be substantially responsive and has been determined as the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.

25.0 Company's right to accept or reject any bid:

Company reserves the right to accept or reject any or all bids and to annul the bidding process and reject all bids, at any time prior to award of contract, without thereby incurring any liability to the affected bidder, or bidders or any obligation to inform the affected bidder of the grounds for Company's action.

26.0 Notification of award:

26.1 Prior to the expiry of the period of bid validity or extended validity, Company will notify the successful Bidder in writing by registered letter or by fax or E-mail (to be confirmed in writing by registered / couriered letter) that its Bid has been accepted.

26.2 The notification of award will constitute the formation of the Contract.

26.3 Upon the successful Bidder's furnishing of Performance Security pursuant to Clause 27.0 below, the Company will promptly notify each un-successful Bidder and will discharge their Bid Security, pursuant to Clause 10.0 hereinabove.

27.0 Performance security:

Successful bidder(s) must strictly submit the Performance Security(ies) (both Part-1 and Part-2) amount as mentioned in Introduction of the tender, within 30 (thirty) days from the date of issue of Letter of Award (LOA).

27.1 a. The Performance Security should be submitted in the form of irrevocable Bank Guarantee (as per **Proforma-F**) issued by Nationalized or Scheduled Bank in favour of M/s Oil India Limited and payable at DULIAJAN. The Bank Guarantee must be on Non-Judicial Stamp Paper of requisite value as per Indian Stamp Act purchased in the name of Banker. Duly filled 'Undertaking' towards details of BG (Format attached as **Proforma-F1**) must be submitted along with original copy of PBG.

b. Alternately, the Performance Security can also be paid through Insurance Surety Bond (format enclosed as **Proforma-PS**)/ Bank Draft/Cashier's Cheque/Banker's Cheque/Fixed Deposit Receipt (Account OIL INDIA LIMITED)/irrevocable Letter of Credit/NEFT/RTGS/Electronic Fund Transfer (subject to credit in OIL's account within prescribed time) to designated account of OIL.

Note: In case of Insurance Surety Bond, a letter from the issuing insurer of the requisite Insurance Surety Bond confirming that said Insurance Surety Bond / all future communication relating to the Insurance Surety Bond shall be forwarded to the Purchaser to the following address:

CGM-Contracts

Contracts Department, Oil India Limited, Duliajan,
Assam-786602
e-mail ID: contracts@oilindia.in;

i. If the Performance Security is submitted in the form of Bank Draft, Banker's Cheque, Cashier's Cheque, Fixed Deposit Receipt or Letter of Credit, the same should be in favour of "Oil India Limited" payable at Duliajan.

ii. Performance Security amount through NEFT or RTGS mode may be deposited on or before bid closing date and time to the following designated OIL's bank account:

	Bank Details of Beneficiary: OIL INDIA LIMITED	
a	Bank Name	STATE BANK OF INDIA
b	Branch Name	Duliajan
c	Branch Address	Duliajan, Dist-Dibrugarh
d	Bank Account No.	**10494832599**
e	Type of Account	Current Account
f	IFSC Code	**SBIN0002053**
g	MICR Code	786002302
h	SWIFT Code	SBININBB479

If the Performance security is submitted through NEFT or RTGS mode, the bidder shall submit details such as **UTR No., Contract No., Bidder's name & Deposited Amount etc.**

iii. Submission of Performance Security in the form of Electronic Bank Guarantee (e-BG) is also acceptable:

Sl. No.	**Bank Name**	**Sl. No.**	**Bank Name**
1	AU Small Finance Bank	18	Indian Bank
2	Axis Bank limited	19	Indian Overseas Bank
3	Bank of Baroda	20	IndusInd Bank
4	Bank of India	21	Karnataka Bank
5	Bank of Maharashtra	22	Karur Vysya Bank
6	Canara Bank	23	Kotak Mahindra Bank
7	Central Bank of India	24	Punjab and Sind Bank
8	City Union Bank	25	Punjab National Bank
9	DBS Bank	26	RBL Bank
10	DCB Bank	27	Standard Chartered
11	Dhanlaxmi Bank	28	State Bank of India

12	Federal Bank	29	South Indian Bank
13	HDFC Limited	30	Tamilnad Mercantile Bank Ltd
14	HSBC Bank	31	UCO Bank
15	ICICI Bank	32	Union Bank of India
16	IDBI Bank	33	Yes Bank
17	IDFC First Bank		
Any other bank as updated by NeSL from time to time.			

Beneficiary details for issue of e-BG are:

Sl. No.	Particulars	Details
1	NAME	OIL INDIA LIMITED
2	PAN	AAACO2352C
3	Date of Incorporation	18-02-1959
4	Email ID	contract-global@oilindia.in
5	Mobile No	+91-8638144647
6	Local Address	Duliajan, Dibrugarh, Assam- 786602
7	Registered Address	Duliajan, Dibrugarh, Assam- 786602

c. In case of Bidders submitting Performance Security in the form of Bank Guarantee/Bank Draft/Cashier's Cheque/Banker's Cheque/Fixed Deposit Receipt/Letter of Credit, the original hard copy of Performance Security shall be submitted within the time frame as stipulated in the LOA.

d. No other mode of payment other than the mode covered under point nos. a & b will be accepted by the Company.

27.2 Performance Security shall not accrue any interest during its period of validity or extended validity.

27.3 The Bank Guarantee issuing bank branch must ensure the following:

The Bank Guarantee issued by the bank must be routed through SFMS platform as per the following details:

(i) MT 760/MT 760 COV for issuance of bank guarantee.

(ii) MT 760/MT 767 COV for amendment of bank guarantee.

[Contract Number should reflect in the SFMS text under MT 760/MT 760 COV]

The above message/intimation shall be sent through SFMS by the BG issuing Bank branch to ICICI Bank, Duliajan Branch, IFSC Code – ICIC0000213; SWIFT Code - ICICINBBXXX. Branch Address: ICICI Bank Limited, Duliajan Branch, Kunja Bhavan, Daily Bazaar, Duliajan, Dibrugarh, Assam-786602. The Bank details are as under:

	Bank Details of Beneficiary	
A	Bank Name	ICICI BANK LTD.
B	Branch Name	Duliajan
C	Branch Address	Kunja Bhavan, Daily Bazaar, Duliajan, Dibrugarh, Assam-786602
D	IFSC Code	**ICIC0000213**
E	Unique Identifier Code (Field 7037)	OIL503988890
F	Company name	Oil India Limited
G	SWIFT Code	ICICINBBXXX

27.4 In case performance security is submitted in the form of Fixed Deposit, the following details must be attached in the form of declaration by the vendor/party for confirmation of Fixed Deposit from the issuing bank.

Full address of the issuing bank
Branch Code
Authorised signatory with full name and designation
Phone (Mobile) Numbers of the branch
Email address of the branch
Such fixed/term deposit must be pledged in favour of OIL and it must in the printed form on the physical original FDR in words "Pledged in favour of Oil India Limited"

27.5 To avoid delay in confirmation of Fixed deposit from the issuing bank and consequent delay in processing of bills and payment, party shall arrange the confirmation mail regarding issue of fixed deposit with the following details directly from bank's official email id to Oil India's following e-mail id (FD_PS@OILINDIA.IN):

FD NO.	**Issue Date**	**Maturity Date**	**FD Amount**	**Beneficiary/ Contractor Name**	**Whether above FD is pledged in favour**	**FD amount pledged (in ₹) as per bank's**	**Mode of FD Renewal (Auto Renewal/Auto closure)**	**Remarks (if any) of the issuing Bank**

					of 'Oil India Limited' (Yes/No)	**books of accounts**		
A	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**I**

27.6 This Performance Security must be valid for 90 (Ninety) days after the date of expiry of the contract period/defect liability period (if any). In the event of contract being extended within the provisions of the contract agreement, the contractor will have to extend suitably the validity of the "Security Deposit" for the extended period.

27.7 The Performance Security Deposit will be refunded to the Contractor after 90 (Ninety) days of satisfactory completion of works/defect liability period (if any) under the contract (including extension, if any), but a part or whole of which shall be used by the Company in realization of liquidated damages or claims, if any or for adjustment of compensation or loss due to the Company for any reason.

28.0 Signing of contract:

28.1 At the same time as the Company notifies the successful Bidder that its Bid has been accepted, the Company will either call the successful Bidder for signing of the agreement or send the Contract Form provided in the Bid Documents, along with the General & Special Conditions of Contract, Technical Specifications, Schedule of Rates incorporating all agreements agreed between the two parties.

28.2 The successful Bidder shall sign and date the contract and return it to the Company after receipt of LOA. Till the contract is signed, the LOA issued to the successful bidder shall remain binding amongst the two parties.

28.3 In the event of failure on the part of the successful Bidder to sign the contract, OIL reserves the right to terminate the LOA issued to the successful Bidder and invoke the Bid Security or the Performance Security if submitted by the successful Bidder. The party shall also be debarred for a period of 2(two) years from the date of default.

(Signing of the Contract may be done at the place of award in presence of both parties)

29.0 Credit facility:

Bidders should indicate clearly in the Bid about availability of any credit facility inclusive of Government to Government credits indicating the applicable terms and conditions of such credit.

30.0 Mobilization and advance payment:

30.1 Request for advance payment shall not be normally considered. However, depending on the merit and at the discretion of the Company, advance against

mobilization charge may be given at an interest rate of 1% above the prevailing Bank rate (CC rate) of SBI from the date of payment of the advance till recovery/refund.

30.2 Advance payment agreed to by the Company shall be paid only against submission of an acceptable bank guarantee whose value should be equivalent to the amount of advance plus the amount of interest covering the period of advance. Bank guarantee shall be valid for 2 months beyond completion of mobilization and the same may be invoked in the event of Contractor's failure to mobilize as per agreement.

30.3 In the event of any extension to the mobilization period, Contractor shall have to enhance the value of the bank guarantee to cover the interest for the extended period and also to extend the validity of bank guarantee accordingly.

31.0 Integrity pact:

31.1 OIL shall be entering into an Integrity Pact with the Bidders as per format enclosed vide **Proforma-M** of the Bid Document. The Integrity Pact has been duly signed digitally by OIL's competent signatory and uploaded in the OIL's e-portal. The Integrity Pact shall be returned by the bidder (along with the technical Bid) duly signed by the same signatory who signed the Bid i.e. who is duly authorized to sign the Bid. Uploading the Integrity Pact in the OIL's E-portal with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who has signed the bid. If any bidder refuses to sign Integrity Pact or declines to submit the Integrity Pact, their bid shall be rejected straightway.

31.2 In case of a joint venture, all the partners of the joint venture should sign the Integrity pact.

31.3 In the event of any dispute between the management and the contractor relating to those contracts where Integrity Pact is applicable, in case, both the parties are agreeable, they may try to settle dispute through mediation before the panel of Independent External Monitors (IEMs) in a time bound manner. If required, the organizations may adopt any mediation rules for this purpose. In case, the dispute remains unresolved even after mediation by the panel of IEMs, the organization may take further action as per the terms and conditions of the contract. The fees/expenses on dispute resolution shall be equally shared by both the parties.

31.4 Bidders may contact the Independent External Monitors for any matter relating to the IFB at the following addresses:

a) Shri Ajit Mohan Sharan, IAS (Retd.), Former Secretary, Ministry of Ayush, Govt. of India, E-mail: ams057@gmail.com

b) Dr. Ved Prakash, ITS (Retd.), ved60prakash@gmail.com

32.0 Local conditions:

It is imperative for each Bidder to be fully informed themselves of all Indian as well as local conditions, factors and legislation which may have any effect on the execution of the work covered under the Bidding Document. The bidders shall be deemed, prior to submitting their bids to have satisfied themselves of all the aspects covering the nature of the work as stipulated in the Bidding Document and obtain for themselves all necessary information as to the risks, contingencies and all other circumstances, which may influence or affect the various obligations under the Contract.

No request will be considered for clarifications from the Company (OIL) regarding such conditions, factors and legislation. It is understood and agreed that such conditions, factors and legislation have been properly investigated and considered by the Bidders while submitting the Bids. Failure to do so shall not relieve the Bidders from responsibility to estimate properly the cost of performing the work within the provided timeframe. Company (OIL) will assume no responsibility for any understandings or representations concerning conditions made by any of their officers prior to award of the Contract. Company (OIL) shall not permit any Changes to the time schedule of the Contract or any financial adjustments arising from the Bidder's lack of knowledg**e** and its effect on the cost of execution of the Contract.

33.0 Specifications:

Before submission of Bids, Bidders are requested to make themselves fully conversant with all Conditions of the Bid Document and other relevant information related to the works/services to be executed under the contract.

34.0 Goods & Services Taxes:

34.1 In view of GST Implementation from 1st July 2017, all taxes and duties including Excise Duty, CST / VAT, Service tax, Entry Tax and other indirect taxes and duties have been submerged in GST. Accordingly, reference of Excise Duty, Service Tax, VAT, Sales Tax, Entry Tax or any other form of indirect tax except of GST mentioned in the bidding document shall be ignored.

Bidders are required to submit copy of the GST Registration Certificate while submitting the bids wherever GST (CGST & SGST / UTGST or IGST) is applicable.

34.2 Bidder should also mention the Harmonised System of Nomenclature (HSN) and Service Accounting Codes (SAC) at the designated place in the Price Bid Format.

34.3 Where the OIL is entitled to avail the input tax credit of GST:

OIL will reimburse the GST to the Supplier of Goods / Services (Service Provider) at actual against submission of Invoices as per format specified in rules/ regulation of GST to enable OIL to claim input tax credit of GST paid. In case of any variation in the executed quantities, the amount on which the GST is applicable shall be modified in same proportion. Returns and details required to be filled under GST laws &rules should be timely filed by supplier with requisite details.

The input tax credit of GST quoted shall be considered for evaluation of bids, as per evaluation criteria of tender document.

34.4 Where the OIL is not entitled to avail/take the full input tax credit of GST:

OIL will reimburse GST to the Supplier of Goods / Services (Service Provider) at actual against submission of Invoices as per format specified in rules / regulation of GST subject to the ceiling amount of GST as quoted by the bidder. In case of any variation in the executed quantities (If directed and / or certified by the In-Charge) the ceiling amount on which GST is applicable will be modified on pro-rata basis.

The bids will be evaluated based on total price including GST.

34.5 It is the responsibility of the bidder to quote the correct GST rate. The classification of goods / services as per GST (Goods & Service Tax) Act should be correctly done by the contractor to ensure that input tax credit on GST (Goods & Service Tax) is not lost to the OIL on account of any error on the part of the contractor.

34.6 Further, it is the responsibility of the bidders to make all possible efforts to make their accounting / IT system GST compliant in order to ensure availability of Input Tax Credit (ITC) to Oil India Ltd.

34.7 GST liability, if any, on account of supply of free samples against any tender shall be to bidder's account.

34.8 In case the bidder is covered under Composition Scheme under GST laws, then bidder should quote the price inclusive of the GST (CGST & SGST / UTGST or IGST). Further, such bidder should mention "Cover under composition system" in column for GST (CGST & SGST/UTGST or IGST) of price schedule.

34.9 OIL will prefer to deal with registered supplier of goods / services under GST. Therefore, bidders are requested to get themselves registered under GST, if not registered yet. However, in case any unregistered bidder is submitting their bid, their prices will be loaded with applicable GST while evaluation of bid. Where OIL is entitled for input credit of GST, the same will be considered for evaluation of bid as per evaluation methodology of tender document.

34.10 Procurement of Specific Goods: Earlier, there is no tax incidence in case of import of specified goods (i.e. the goods covered under List-34 of Customs Notification no. 12/2012-Cus dated. 17.03.2012 as amended). Customs duty is not payable as per the policy. However, under GST regime, IGST Plus GST compensation cess (if applicable) would be leviable on such imports. Bidders should quote GST as inclusive considering IGST component for the imported Materials portion while quoting their prices on destination basis. However, GST rate to be specified in the price bid format.

34.11 The Supplier of Goods / Services may note the Anti-profiteering Clause (Clause No. 12.5) of Part-I GCC and quote their prices accordingly.

34.12 In case the GST rating of bidder on the GST portal / Govt. official website is negative / blacklisted, then the bid may be rejected by OIL.

35.0 **Sustainable Development and Environment, Social & Governance Policy**:

Consequent to the implementation of Sustainable Development (SD) and Environment, Social & Governance (ESG) Policy of OIL, effective from 28.08.2024, the successful bidder shall be required to submit a duly filled ESG Questionnaire in the prescribed format within 15 (fifteen) days from the date of award of contract or issue of purchase order. Failure to submit the completed ESG Questionnaire within the stipulated timeline may be treated as non-compliance with contractual obligations and dealt with accordingly.

The ESG Questionnaire along with Explanatory Note for guidance, is provided as **Appendix-VII** of the tender document.

END OF PART-1

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PART–2
BID EVALUATION CRITERIA (BEC)

1.0 Oil India Limited (OIL) is planning for drilling a few wells which are highly challenging and situated in geologically complex areas of Assam and Arunachal Pradesh. These wells are either vertical with expected well depths up to 6500 Mtrs or highly deviated wells for extended reach with planned displacements more than 2000 to 3000 meters and inclination more than 55°. To meet these challenges, OIL intends to hire **one (01) number** of Diesel Electric Drilling Rig (AC-SCR or AC-VFD) of capacity 3000 HP (Minimum) with top drive system and associated equipment, tools & services for a period of **04 (four) years** through this tender.

2.0 **GENERAL CONFORMITY:** The bid shall conform generally to the specifications and terms & conditions given in this bid document. Bids shall be rejected in case the services offered do not conform to the required parameters stipulated in the technical specifications. Notwithstanding the general conformity of the bids to the stipulated specifications, the following requirements will have to be particularly met by the bidders, without which the same will be considered as non-responsive and rejected.

3.0 TECHNICAL EVALUATION CRITERIA:

3.1 EXPERIENCE:

3.1.1 EXECUTION OF CONTRACT AND JOB:

The Bidder must have the following experience during last 07 (Seven) years reckoned from the Original Bid Closing date:

(a) EXECUTION OF CONTRACT:

Bidders must have experience of providing drilling services in offshore or onshore with at least **01 (One) no. of Rig** of minimum **3000 HP capacity** on charter hire basis for a period of **minimum 01 year** under **a single Contract**.

DOCUMENTARY EVIDENCE TO BE SUBMITTED FOR CLAUSE (a) ABOVE:

Contract (Agreement) copy/Master consultancy (service) agreement copy/ Letter of Intent (LOI)/Letter of Award (LOA)/ Work Order (WO)/ Purchase Order (PO) mentioning the Contract/PO no**.** along with the relevant scope of work.

AND

Completion certificate / performance report issued by the client(s) / **payment certificate(s)** or any other document(s); clearly mentioning the Contract (Agreement) No./ PO No. with the date of completion that can substantiate the satisfactory execution and period of the contract as mentioned in the above clause.

(b) EXECUTION OF JOB:

Bidders must have experience in execution of the following:

(i) Drilling of minimum of **05 (Five) nos. oil/gas wells** (offshore or onshore) with drilling rig of minimum **3000 HP capacity**.

(ii) Out of five wells as indicated in clause (b) (i) above, the bidder must have the experience of execution of any one of the following:

x. At least **01 (One) well** should be of minimum **5500 meters** (Measuring Well Depth) **depth**.

OR

y. At least **01 (One) well** should be of minimum **4500 meters** (Measuring Well Depth) **depth** with a minimum **displacement** of **2000 meters**.

OR

z. At least **02 (two) wells** should be of minimum **4500 meters** (Measuring Well Depth) **depth**.

Note to b. (ii) above: The measuring well depth shall be considered excluding the water depth in case of offshore well.

DOCUMENTARY EVIDENCE TO BE SUBMITTED FOR CLAUSE (b) ABOVE:

Contract (Agreement) copy/ **Letter of Intent (LOI)/Letter of Award (LOA)/ Work Order** along with satisfactory completion/performance report issued by the client(s) / End of well report/ payment certificate(s) or any other document(s) that can substantiate the satisfactory execution of the job as mentioned in the above clause.

3.1.2 Notes to BEC Clause no. 3.1.1 above:

(i) A job executed by a Bidder for its own organization will not be considered as experience for the purpose of meeting the requirements of the BEC.

However, jobs executed for Parent/Holding/Subsidiary Company shall be considered as experience for the purpose of meeting the BEC, subject to submission of the following additional documents:

(a) Copy of Contracts/Work-Order/Job assignment Order received from their Parent/Holding/Subsidiary Company.

(b) Tax Paid Invoice(s) duly certified by Statutory Auditor of the Bidder or Consolidated Statement issued by Statutory Auditor of the Bidder towards payments of statutory tax in support of the job executed for Parent/Holding/Subsidiary Company.

(c) Statutory document(s) establishing legal relationship between the bidder and Parent/Holding/Subsidiary Company.

Notes:

(x) In case referred Project falls under "No Tax Area" (like SEZ), Bidder can submit certificate from their Statutory Auditor to this effect in place of Tax paid invoice.

(y) Chartered Accountant (CA) (in place of Statutory Auditor) is acceptable where audited accounts are not mandatory as per law for latest financial year. Also, CA shall not be an employee/Director and not having any interest in the Bidder's Company/Firm.

(ii) Oil India Limited (OIL) reserves the right to contact the Client(s) referred by the Bidder for authentication of the documents submitted by the bidder. OIL may contact the clients/operators under intimation/copy to the respective bidder. OIL will not be responsible for Client(s) not conforming or not replying to OIL's request for information. If OIL does not get an affirmative response within the stipulated time, then such Bidder's technical bid will be considered as non-responsive. It will be the responsibility of the Bidder to take up the matter with his client(s) and arrange for the confirmation as desired by OIL.

(iii) All Certificates and documentary evidence required to be submitted in support of Para 3.1 above should be clearly legible and in English language. If any certificate is submitted in a language other than English language, the same should be translated to English, duly authenticated by local chamber of Commerce of bidder's / Supporting Company's/ Joint Venture partner's country, in which case, for purposes of interpretation of the bid, the English translation shall prevail.

3.1.3 Bids of those bidders who themselves do not meet the experience criteria as stipulated in **BEC Clause No. 3.1.1** of the tender, can also quote under the categories listed below:

A. ELIGIBILITY CRITERIA IN CASE BIDS ARE SUBMITTED ON THE BASIS OF TECHNICAL EXPERIENCE OF THE PARENT/SUBSIDIARY COMPANY:

Offers of those bidders (other than JV) who themselves do not meet the experience criteria as stipulated in clause no. 3.1.1 above can also be considered provided the bidder is a subsidiary company of the parent company [supporting company, which holds **more than fifty percent** of the paid-up equity share capital of the bidder] who fulfils the experience criteria. Similarly, bid from parent company can also be considered on the strength of requisite experience of its subsidiary [supporting company, in which the bidder holds **more than fifty percent** of the paid-up equity share capital]. However, the parent/subsidiary company (as the case may be) of the bidder should on its own meet the experience as stipulated in the BEC and should not rely for meeting the experience criteria on its sister subsidiary/co-subsidiary company or through any other arrangement like Technical Collaboration agreement.

In case of bidder who is a subsidiary company dependent upon the experience of the parent company or vice-versa with a view to ensure commitment and involvement of the parent/subsidiary company (Supporting Company) for

successful execution of the contract, the participating bidder should enclose a Parent/Subsidiary Agreement (as per **PROFORMA-N**) between the parent and the subsidiary company or vice-versa and Parent/Subsidiary Guarantee (as per as **PROFORMA-O)** from the parent/subsidiary company to OIL for fulfilling the obligation under the Agreement, along with the technical bid.

B. ELIGIBILITY CRITERIA IN CASE BID IS SUBMITTED ON THE BASIS OF TECHNICAL EXPERIENCE OF SISTER-SUBSIDIARY/CO-SUBSIDIARY COMPANY:

Offers of those bidders (other than JV) who themselves do not meet the technical experience criteria stipulated in 3.1.1 above can also be considered based on the experience of their Sister Subsidiary/Co-Subsidiary company within the ultimate parent/holding company subject to meeting the following conditions:

(a) Provided that the sister subsidiary/co-subsidiary company and the bidding company are both wholly owned subsidiaries of an ultimate parent/holding company either directly or through intermediate wholly owned subsidiaries of the ultimate parent/holding company or through any other wholly owned subsidiary company within the ultimate parent/holding company. Documentary evidence to this effect to be submitted by the ultimate parent/holding company along with the technical bid.

(b) Provided that the sister subsidiary/co-subsidiary company on its own meets the technical experience criteria laid down in Clause 3.1.1 above and not through any other arrangement like technical collaboration etc.

(c) Provided that with a view to ensure commitment and involvement of the ultimate parent/holding company for successful execution of the contract, the participating bidder must submit an agreement, as per format furnished vide **Proforma-Q**, between them & their ultimate parent/holding company, along with the technical bid.

C. In the situations mentioned in Clause No. 3.1.3. A. and 3.1.3 B. above, following conditions are required to be fulfilled/documents to be submitted:

(i) A certificate from the statutory Auditor of the bidding company to establish the relationship and equity percentage holding between bidding company and the supporting company. The certificate should be duly concurred/endorsed by the Company Secretary or one of the Directors of the company concerned.

Note: The above certificate should not be more than 30 days old as on the original bid closing date.

(ii) The supporting company shall not be allowed to submit their separate/independent bid against the tender. In such case, all such bids shall be rejected. Also, bids having technical support from the same entity shall be rejected.

D. BID FROM INDIAN JOINT VENTURE (INCORPORATED):

(a) In case the bidder is Joint Venture, they must be registered in India and incorporated under the Companies Act 1956/Companies Act 2013/ Limited Liability Partnership Act 2008 and any amendment thereunder. They should meet the technical qualification requirements as under:

(i) The JV on its own shall meet the experience criteria as per **Clause No. 3.1.1** above.

or

(ii) Any member of the JV having a stake of at least 26% in the JV, on its own shall meet experience requirement as per **Clause No. 3.1.1. above.**

Note:

A. In case of (ii) above, an undertaking from the Joint Venture partner, based on whose experience the JV seek qualification, shall be submitted with the techno commercial bid stating that they shall maintain minimum 26% shareholding in the JV during entire duration of the contract and extension, if any, thereof, failing which bid will be liable for rejection. Similarly, under such a situation the contract shall be liable for termination, if already awarded.

B. Experience of the JV or its member (as the case may be) relying on the experience of its supporting company/subsidiary/co-subsidiary/ sister subsidiary /parent/ holding/affiliating/ associate company or through any other arrangement like technical collaborator for meeting the technical criteria shall not be considered for evaluation.

C. The documents establishing experience of the JV or its member (as the case may be) shall be submitted as per **BEC Clause No. 3.1.1 above**.

D. The documents showing the existing shareholdings of the JV Partners must be submitted.

(b) **Constitution of Joint Venture**: The members of the JV should not be more than three. If after submission of bid, a JV leader effects any alterations/changes in the constitution or replacement or inclusion or expulsion of any partner(s)/member(s) of the Joint Venture which had originally submitted the bid, the bid of such a JV shall be liable for rejection. Similarly, under such a situation the contract shall be liable for termination, if already awarded.

(c) Indian bidders whose proposal for Joint Venture involves foreign equity participation or payment of royalty and / or lump sum for technical know-how and wherever Govt. approval is necessary, **are required to submit their application submitted to SIA/RBI along with the bid** and copy of Govt. approval prior to the date of price bid opening. Confirmation to this effect and declaration on the same should be provided as part of their technical offer.

(d) Members of the JV are not allowed to quote separately/independently / or through any other arrangement like part of any other JV/Consortium or Subsidiary/ Parent company/ co subsidiary against this tender. All the bids received in such a case shall be summarily rejected. Further, all bids from parties with technical support from the same Principal shall be rejected.

E. In case of Clause nos. **3.1.3 A, B or D above**, bidders should comply the following in addition to the conditions mentioned above:

a. Undertaking should be submitted by the supporting Company/JV Partner [on whose strength/support the bidder is bidding] (as per Clause no. 3.1.3 A. or 3.1.3. B. or 3.1.1. D. above) to provide additional Performance Security (as per **Proforma-XIX**) equivalent to 50% of the value of the Performance Security which is to be submitted by the bidding company in case the bidding company is the successful bidder. In cases where supporting company do not have Permanent Establishment in India, the bidding company can furnish Performance Security equivalent to 150% of the value of the Performance Security which is to be submitted by the bidding company. In such case the bidding company shall furnish an undertaking that their supporting company/JV partner is not having any Permanent Establishment in India in terms of Income Tax Act of India.

b. Undertaking from the supporting company/JV partner to the effect that in addition to invoking the performance security submitted by the contractor, the performance security provided by supporting company/JV partner shall be invoked by OIL due to non-performance of the contractor.

c. In case the contract is awarded based on the bid submitted as per Clause no. 3.1.3(A), 3.1.3 (B) or 3.1.3 (D) above, in order to meet the commitment from the supporting firm based on whose technical experience the bidder has been qualified, the identified key personnel as mentioned in "ANNEXURE- IDENTIFIED KEY PERSONNEL" (enclosed below) shall be from the supporting company/JV partner for the entire duration of the contract. A declaration as per Proforma-XX in this respect to be submitted as part of the technical bid.

3.2 CURRENT WORK IN HAND AND OTHER CONTRACTUAL COMMITMENTS:

Bidder shall submit details of current work in hand and other contractual commitments of the bidder (indicating areas and clients) along with the Techno-commercial (Un-priced) Bid **(Annexure: Current Work**)

3.3 DRILLING RIG:

The Bidder must be in possession of the rig(s) offered (with Top Drive System) either owned/leased (Sub-leased rig and rigs proposed to be leased will not be accepted).

3.3.1 IDENTIFICATION OF RIG:

Bidders are required to identify the Rig(s) at the time of submission of bids with documentary proof thereof, confirming availability of the rig for this contract.

(i) BID WITH OWN RIG

a) In case, bidder is the owner of the offered Rig, the certificate confirming availability of the rig for this contract shall be furnished by the bidder along with legally enforceable proof of purchase of the rig(s).

b) **FOR BRAND-NEW RIG PACKAGE UNDER FIRM PURCHASE:**

If the bidder offers a Brand-New Rig Package, they shall submit following documents along with Techno-commercial Bid:

(i) Valid proof of placement of Firm Purchase Order/Document on the purchase of the brand-new rig package. Copy of the Firm Purchase Order/Document placed by the bidder must be submitted along with the bid.

(ii) Acceptance letter from the seller on the Firm Purchase Order/ Document (placed by the bidder).

(iii) The bidder shall also submit a certificate from the Rig Manufacturer cum Aggregator (Seller) certifying the current status of the purchase order and the committed date of readiness of the complete rig package for shipment after due inspection.

(iv) Undertaking from the bidder that the complete Rig package as per Scope of Work shall be mobilized and made available to undertake operations within 310 days from the date of issuance of Mobilization Notice issued by OIL. Bidder must submit a realistic mobilization schedule along with their bid demonstrating adherence to the stipulated mobilization period mentioned in the tender to commence operation.

(ii) **BID WITHOUT OWN RIG**

Bidders who do not own rig(s), can offer leased rig (Sub Leased Rig will not be accepted) and the bidder to identify the Rig(s) at the time of submission of bids with documentary proof thereof, confirming availability of the rig for this contract. Bidder **must not quote for any such rig which is not readily available.**

DOCUMENTARY EVIDENCE TO BE SUBMITTED FOR CLAUSE (3.3.1(ii)) ABOVE

To submit copy of the Lease Agreement/Lease Deed along with the un-priced bid, i.e., technical bid, executed with the owner of the rig, with documentary proof of ownership of the rig from the owner. The Lease Deed/Lease Agreement should be either **Registered or Notarised or duly certified/apostilled by the concerned Embassy/Consulate.** In case of leased rig, the successful bidder shall be required to keep the aforesaid Deed valid for the entire period of contract and any extension thereof.

3.3.2 LIMITATION ON NUMBERS OF OFFER:

Bidder may identify maximum upto 03 (Three) rigs which they feel best suitable) against this tender requirement, giving complete technical details for evaluation along with copy of Registered or Notarised or Duly certified/apostilled Lease

Agreement/ Lease Deed, if applicable. Bidders will have to mobilize any 01 of the offered rigs that are found to be techno-commercially acceptable by OIL in the event of award of contract. Rig without top drive will not be considered for evaluation

3.3.3 ACTIVE IN OPERATION:

The offered Rig should be in operation in the **last 05 (Five) years** reckoned from the original bid closing date. However, in case of rigs offered with **less than 05 (Five) years of vintage**, this clause will not be applicable.

DOCUMENTARY EVIDENCE TO BE SUBMITTED FOR CLAUSE 3.3.3 ABOVE:

Contract agreement and Completion Certificate, DPR (Drilling Progress Report) as per IADC or equivalent Format/ End of Well Report, duly accepted and signed by the client organization.

3.3.4 RESTRICTION ON SUBSTITUTION ON OFFER:

Bidder would not be allowed to substitute the rig(s) once offered by them in their bid. If more than one rig is offered by a bidder, all the rigs would be techno-commercially evaluated. The bidder can mobilize the rig(s) that is found to be techno-commercially acceptable by OIL, but the name of the rig(s) to be mobilized by the bidder would have to be furnished by them within 15 days of issue of Letter of Award.

3.3.5 **Subject to Availability**: Offers with identified Rig offered under "Subject to Availability" basis may be considered for techno-commercial evaluation. In such case, the bidders must categorically mention the rig (s) which are offered on "Subject to Availability" basis in their technical bid. If the bidder does not mention about this condition in their technical bid, it will be construed that the bidder has offered the rig(s) on unconditional availability/firm basis. Out of the acceptable Rigs offered on "Subject to Availability" basis, the bidders must confirm the unconditional availability of their offered Rig(s) at least one day prior to price bid opening. The date of the price bid opening will be intimated to the bidder in due course. In case the bidder is unable to confirm unconditional availability of any of the offered Rigs, their bid will not be considered for the price bid opening/award of contract, without any further correspondence. The Bidders will have to ensure deployment of Drilling Rig(s) out of acceptable Rig(s) only.

3.3.6 **Bidders must confirm compliance of deployment of the rig package as per the technical specifications spelled out in the Scope of Work under this tender**. The details of the rig package as envisaged for the requirement is given in Section–II: Scope of Work in the Bid Document. Spacing between wells at surface on a cluster well plinth is a maximum of 18 meters. Bidders must confirm compliance to the same.

The bidder shall submit the lay-out drawing of the offered rigs in the Technical bid along with the confirmation that foundation design and detailed working drawing and Load Bearing Diagram would be submitted within 15 days from the date of issue of Letter of Award.

3.3.7 The Bidder should confirm that their offered rig(s) is/are installed with suitable top drive system.

3.3.8 VINTAGE:

The vintage of the following rig package items should be as per below:

i) **MAST, SUB-STRUCTURE, CROWN BLOCK AND DRAW WORKS:**

The vintage of Mast, Sub-Structure, Crown Block and Draw Works of the offered rig(s) should not be more than **15 (Fifteen) years as on Original Bid Closing Date**. Documentary Evidence in this regard to be submitted as per BEC clause no. 3.3.8. v) below**.** However, offered rigs with vintage of Mast, Sub-Structure, Crown Block and Draw Works **more than 15 years** shall also be acceptable only if the same is CAT IV inspected as per API RP 4G (latest) and re-certification as per API Spec 4F. The bidder must submit the CAT IV Inspection Report (which must not be more than **03 years old** as on the original bid closing date) and re-certification by TPI (as per the list mentioned in note a) below) along with the technical bid.

ii) **DRILLING EQUIPMENT AND HOISTING EQUIPMENT**:

The vintage of Drilling equipment (Rotary Table and Slush Pump) and Hoisting equipment (Travelling Block) of the offered rig(s) should not be more than **15 (Fifteen) years as on Original Bid Closing Date**. Documentary Evidence in this regard to be submitted as per BEC clause no. 3.3.8. v) below. However, Drilling equipment (Rotary Table, and Slush Pump) and Hoisting equipment (Travelling Block) older **than 15 (Fifteen) years but less than 20 (Twenty) years** shall also be acceptable only if the same is CAT IV inspected as per API RP 7L(latest) & API RP 8B(latest) respectively and re-certified by the TPI (as per the list mentioned in note a) below) to meet the tender requirements prior to mobilization of the same, in case of award of contract.

Note to Clause no. i) & ii) above:

a) In case inspection and re-certification under (i) and (ii) has not been done as per above as on original bid closing date, the bidder must submit an Undertaking addressed to the Company (as per **Proforma-CAT)** along with the technical bid confirming that the Mast and Sub-Structure, Drilling equipment (Rotary Table, Draw Works and Slush Pump) and Hoisting equipment (Crown Block and Travelling Block) shall be CAT IV inspected as per API RP 4G (latest), API RP 7L(latest) & API RP 8B(latest) respectively and re-certified by the TPI (as per the list mentioned below) to meet the tender requirements prior to mobilization of the same, in case of award of contract. Such Re-certification shall remain valid for minimum duration of the Contract i.e., 4 years from the date of completion of mobilization.

List of TPI agencies:

a. M/s Bureau Veritas
b. M/s Det Norske Veritas

c. M/s Lloyd's Inspection Agency Pvt. Ltd. (Parent Company: Lloyds Inspection Agency America LLC)
d. M/s Oil Field Audit Services
e. M/s APAVE (Formerly known as M/s ABS Industrial Verification (I) Pvt. Ltd.).
f. M/s. RITES.
g. M/s. I.R.S (IR Class).
h. M/s. DNV-GL.
i. M/s. Tuboscope Vetco.
j. M/s DNV MES India Private Limited.

b) CAT IV inspection as per API RP 4G (latest) and re-certification as per API Spec 4F by any one of the following:

- OEM
- OEM authorised agencies (Authorization to be submitted along with the bid or as applicable)
- Any other manufacturer of drilling structures.

iii) **RIG ENGINES**: The vintage of Rig Engines of the offered rig(s) should not be more than **15 (Fifteen) years as on Original Bid Closing Date**. Documentary Evidence in this regard to be submitted as per BEC clause no. 3.3.8. v) below. However, Rig Engines older than **15 (Fifteen) years but less than 20 (Twenty) years** may also be offered, subject to submission of a declaration of carrying out Health check up by the OEM/OEM authorized agency prior to mobilization.

(a) The bidder should submit TPI certificate in original from any one of the below mentioned inspection agencies of the tender document along with techno-commercial (un-priced) bid:

a. M/s Bureau Veritas
b. M/s Det Norske Veritas
c. M/s Lloyd's Inspection Agency Pvt. Ltd. (Parent Company: Lloyds Inspection Agency America LLC)
d. M/s Oil Field Audit Services
e. M/s APAVE (Formerly known as M/s ABS Industrial Verification (I) Pvt. Ltd.).
f. M/s. RITES.
g. M/s. I.R.S (IR Class).
h. M/s. DNV-GL.
i. M/s. Tuboscope Vetco.
j. M/s DNV MES India Private Limited

(b) In case of health check -up declaration, the bidder must submit an Undertaking **(as per Proforma- OVERHAUL)** along with the technical bid confirming that the applicable overhauling shall be done as per health check-up report to meet the tender requirements prior to mobilization of the same, in case of award of contract.

iv) **PCRS & TOP DRIVE SYSTEM**:

The Vintage of the PCRs & Top Drive of the offered rig(s) should not be more than **15 (Fifteen) years as on Original Bid Closing Date.**

Relaxation for PCR & Top Drive older than 15 (Fifteen) years:

PCRs & Top Drives older than 15 (Fifteen) years may also be offered, subject to the condition that the PCRs & Top Drive have undergone refurbishment/ up-gradation, which shall be clearly mentioned in the submitted TPI report. The said refurbishment/ up-gradation must be completed within 05 (five) years from the date of issuance of TPI report.

Note to Clause no. iv) above:

In case of refurbishment/ up-gradation under (iv) has not been done as per above as on original bid closing date, the bidder must submit an Undertaking addressed to the Company (as per Proforma-PCR/TDS, enclosed below) along with the technical bid confirming that the PCR & Top Drive shall be refurbishment/ up-gradation and re-certified by the TPI (as per the list mentioned below) to meet the tender requirements prior to mobilization of the same, in case of award of contract.

Documentary Evidence in this regard to be submitted as per BEC clause no. 3.3.8. v) below.

v) **DOCUMENTARY EVIDENCE TO BE SUBMITTED FOR CLAUSE NO. 3.3.8 ABOVE.**

Bidders must submit the Bill of Entry or supply invoice or any other documentary evidence from Rig Manufacturer (or OEM) that can substantiate the date of delivery or satisfactory execution of purchase order/ Certificate of year of manufacture from the rig manufacturer (or OEM)/any other document (Undertaking is not acceptable) as a proof of vintage of the above items along with the technical bid.

NOTES TO CLAUSE NO 3.3.8 ABOVE:

(a) Bidders must submit the certificate of year of manufacture from the rig manufacturer / OEM as documentary evidence for vintage of the Top Drive & PCR along with the technical bid.

(b) A Manufacturer/OEM Certificate must furnish the below mentioned information in any format decided by the issuer:

(i) The certificate must be on the letterhead of the Manufacturer/OEM.

(ii) Year of Manufacturing of the equipment for which the certificate is being provided.

(iii) TPI verification of the document from the agencies mentioned above.

3.3.9 **RESIDUAL LIFE**:

The offered drilling rig, if not brand new, should have a minimum residual life of seven (7) years as on the original bid closing date. The bidder should submit a certificate in original from any one of the inspection agencies mentioned below as per **Form-1 (Annexure-I)** of the tender document along with techno-commercial (un-priced) bid. The last date of inspection by TPI Agency indicated in the TPI Certificate should not be older than 6 months as on original date of bid closing. Bidders failing to provide the certificate as above will not be considered for price bid opening/award of contract.

The inspection and certification of the rig should be done by any of the following inspection agency and the cost of the third-party inspection will be borne by the bidder:

a. M/s Bureau Veritas
b. M/s Det Norske Veritas
c. M/s Lloyd's Inspection Agency Pvt. Ltd. (Parent Company: Lloyds Inspection Agency America LLC)
d. M/s Oil Field Audit Services
e. M/s APAVE (Formerly known as M/s ABS Industrial Verification (I) Pvt. Ltd.).
f. M/s. RITES.
g. M/s. I.R.S (IR Class).
h. M/s. DNV-GL.
i. M/s. Tuboscope Vetco.
j. M/s DNV MES India Private Limited.

NOTE:

The certificate should clearly indicate and confirm without any ambiguity the following:

(a) Name and address of the owner of the rigs after due verification of documents.

(b) **Confirmation** that the rig package meets the technical specification as laid down at Part-3: Section-II: Scope of Work of the Tender Document.

(c) Make, Model, Capacity/Rating, month & year of manufacture and residual life as inspected for each of the component as well as for the overall rigs as per the attached annexure Form-1 **(Annexure-I).**

3.3.10 The Company reserves the right for physical inspection of the rig package at any time during the evaluation of their offered rig package or prior to Mobilization.

3.4 **MOBILIZATION PERIOD:**

Bidder must confirm to mobilize the Drilling Rig within **310 days from the date of issuance of Mobilization notice** after issuance of Letter of Award (LOA). Offers indicating mobilization time more than **310 days** from the date of issuance of Mobilization Notice/ LOA will be rejected (Bidders must submit Proforma-MP

in their technical bid). Bidders are advised to indicate the best mobilization schedule in their bid.

Bidders shall mandatorily submit a mobilization schedule along with an inspection test protocol as a part of the bid which shall be evaluated by OIL and shall be binding on the bidder.

3.5 Bidders shall submit **Proforma-S (Declaration on the status of the Offered rig(s) without any deviation to the provisions mentioned therein** towards the rigs offered by them along with the technical bid, failing which their bid shall be liable for rejection.

4.0 FINANCIAL EVALUATION CRITERIA:

4.1 Annual Financial Turnover from Operations of the Bidder during any of the last three (03) completed financial/accounting years preceding the Original Bid Closing date must be at least **INR 84,03,20,000.00 or US$ 8,853,000.00**

[**Annual Financial Turnover from operations** shall mean: "Aggregate value of the realization of amount made from the sale, supply or distribution of goods or on account of services rendered, or both, by the company (bidder) during a financial year" as per the Companies Act, 2013 Section 2 (91).]

4.2 The **Net worth** of the bidder must be Positive for the financial/accounting year preceding the Original Bid Closing date.

[Net worth shall mean: "Share capital + Reserves created out of profits and securities Premium – Aggregate value of accumulated losses (excluding revaluation reserves) – deferred expenditure – Miscellaneous Expenditure to the extent not written off and carried forward Loss - Reserves created out of write back of depreciation and amalgamation"]

4.3 In case, the bidder is a **subsidiary company** (should be a wholly owned subsidiary of the parent/ultimate parent/holding company), who does not meet financial criteria by itself and submits bid based on the financial strength of its parent/ultimate parent/holding company and the following needs to be complied/submitted:

(i) The parent/ ultimate parent / holding company (supporting company) should meet the Financial Evaluation Criteria stipulated in Clause Nos. **4.1 & 4.2 above.**

(ii) Corporate Guarantee **(as per Proforma-XXI)** on parent / ultimate parent / holding company's (supporting company) letter head signed by an authorized official undertaking that they would financially support their subsidiary company for executing the project / job in case the same is awarded to them, and

(iii) A certificate from the statutory Auditor of the bidding company as well as of the parent/ ultimate/ holding parent company (supporting company) to establish the relationship and equity percentage holding between bidding company and the supporting company. The certificates should be duly certified by the Company Secretary or one of the Directors of the company concerned.

Note: The above certificate should not be more than 30 days old as on the original bid closing date.

4.4 If the Bidder is an Incorporated Joint Venture (JV) and does not meet financial criteria (BEC Clause Nos. 4.1 & 4.2) by itself, it can submit the bid based on the financial strength of its JV member having more than 50% stake in the JV, and the following needs to be complied/submitted:

(i) The JV member having more than 50% stake in the JV should meet the Financial Evaluation Criteria stipulated in Clause Nos. 4.1 & 4.2 above.

(ii) Corporate Guarantee **(PROFORMA-JVCG)** on the letter head of the member having more than 50% stake in the JV signed by an authorized official undertaking that they would financially support their JV for executing the project / job in case the same is awarded to them.

(**iii**) An undertaking from the Joint Venture partner, based on whose experience the JV seek financial qualification, shall be submitted with the techno commercial bid stating that they shall maintain more than 50% shareholding in the JV till execution of the contract is accomplished.

(iv) A certificate from the Statutory Auditor of the JV on the shareholding pattern of JV. The certificate should be duly concurred/ endorsed by the Company Secretary or one of the Directors of the company concerned or Managing/Authorized partner of the LLP.

Note: The above certificate should not be more than 30 days old as on the original bid closing date.

4.5 Notes to BEC Clause 4.0 above:

a. For proof of Annual Turnover from operation & Net worth, any one of the following documents/photocopies must be submitted along with the bid:

(i) Financial Statements (Balance Sheet & Profit & Loss account along with all the schedules/notes forming part of the Balance sheet & Profit and Loss Account) audited by the auditors appointed under the statute like Companies Act etc. wherever applicable. In cases where the bidding/ supporting company (as applicable) are not required to prepare Audited Financial Statements as per the Law of the Land of the country of the bidding/supporting JV partner as applicable, the bidder shall provide documentary evidence for the same along with a certificate from a practicing Chartered Accountant or equivalent to this effect. The bidder must also submit the financial statement as per the accounting standards of the country of the bidding/JV partner as the case may be, duly certified by the practicing-chartered accountant or equivalent.

OR

(ii) A certificate issued by a practicing Chartered/Cost Accountant (with Membership Number and Firm Registration Number), as per format prescribed in **Annexure-J**.

Notes:

A. Mention of UDIN (Unique Document Identification Number) is mandatory for all Certificates issued w.e.f. February 1, 2019 by Chartered Accountant in Practice.

B. In case the Audited Balance sheet and Profit Loss Account submitted along with the bid are in currencies other than Indian Rupees (INR) or US Dollars (US$), the bidder shall have to convert the figures in equivalent INR or US$ considering the prevailing conversion rate on the date on which the Audited Balance Sheet and Profit & Loss Account is signed. A CA Certificate is to be submitted by the bidder regarding converted figures in equivalent INR or US$. Else, the Audited Balance Sheet and Profit & Loss Account shall be evaluated by considering the BC selling rate declared by State Bank of India (on the date on which the Audited Balance Sheet and Profit & Loss Account is signed) for conversion to INR.

b. Considering the time required for preparation of Financial Statements, if the last date of preceding financial/accounting year falls within the preceding six months reckoned from the original bid closing date /within the due date for furnishing of audit report as per Section 139(1) of IT Act, 1961 (read along with latest circulars/notifications issued by CBDT from time to time) and the Financial Statements of the preceding financial/accounting year are not available with the bidder, then the financial turnover of the previous three financial /accounting years excluding the preceding financial/accounting year will be considered. In such cases, the Net worth of the previous financial/accounting year excluding the preceding financial/accounting year will be considered. However, the bidder has to submit an undertaking in support of the same along with their technical bid as per **Proforma-T**.

c. In case the bidder is a Central Govt. Organization/PSU/State Govt. Organization/Semi-State Govt. Organization or any other Central/State Govt. Undertaking, where the auditor is appointed only after the approval of Comptroller and Auditor General of India and the Central Government, their certificates may be accepted even though FRN is not available. However, bidder to provide documentary evidence for the same.

d. In case the bidder is a Government Department, they are exempted from submission of document mentioned under para **a.** and **c.** above.

e. Bid will be rejected if not accompanied with adequate documentary proof in support of Annual turnover and Net worth as mentioned above in Para 4.0.

5.0 COMMERCIAL EVALUATION CRITERIA:

5.1 The bids are to be submitted under single stage Two Bid System i.e. Un-priced Techno-Commercial Bid and Price Bid in their respective fields in E-portal. Only the Price Bid should contain the quoted price.

5.2 Bidder shall offer firm prices. The price quoted by the successful bidder must remain firm during the performance of the contract and not subject to variation on any account except as mentioned in the bid document (if any).

5.3 Bid security shall be furnished as a part of the Techno Commercial Un-priced Bid. The amount and validity of bid security should be as specified in the Forwarding Letter of the tender. Any bid not accompanied by a proper bid security will be rejected.

5.4 Bid Documents/User Id & Password for OIL's E-Tender portal are not transferable. Bid can only be submitted in the name of the bidder in whose name the User ID and Password have been issued. Unsolicited bids will not be considered and will be straightway rejected.

5.5 Bids received through the e-procurement portal shall only be accepted. Bids received in any other form shall not be accepted.

5.6 Bids shall be typed or written in indelible ink. The Bids and all uploaded documents must be digitally signed using “Class 3” digital certificate [e-commerce application (Certificate with personal verification and Organization name)] as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India[except copies of the documents required in physical form] should invariably be submitted in OIL’s e-tender portal, before the scheduled date and time for the tender closing. All the documents uploaded shall be digitally signed by the authorized signatory of the bidder.

5.7 Bids shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by bidder, in which case such corrections shall be initiated by the persons(s) signing (digitally) the bid.

5.8 Any bid containing false statement will be rejected and action will be taken by Company as per the Bid Document.

5.9 Bidders must quote clearly and strictly in accordance with the price schedule outlined in Price Bidding Format attached under "Notes and Attachments" tab in the main bidding engine of OIL's E-Tender portal; otherwise, the bid will be rejected. All other techno-commercial documents other than price details to be submitted with Unpriced Techno-Commercial Bid as per tender requirement under "Technical Attachment" Tab Page only.

5.10 Bidder must accept and comply with the following provisions as given in the Tender Document in toto, failing which offer will be rejected:

(i) Firm price

(ii) Bid Security

(iii) Period of validity of Bid

(iv) Price Schedule

(v) Performance Bank Guarantee / Security deposit

(vi) Delivery / Completion/Mobilization Schedule

(vii) Scope of work

(viii) Guarantee of material / work

(ix) Liquidated Damages clause

(x) Tax liabilities

(xi) Arbitration / Resolution of Dispute Clause

(xii) Force Majeure

(xiii) Applicable Laws

(xiv) Specifications

(xv) Integrity Pact

5.11 There should not be any indication of price in the Un-priced Techno-Commercial Bid. A bid will be straightway rejected if this is given in the Un-priced Techno-Commercial Bid.

5.12 Bid received with validity of offer less than **120 (one hundred twenty) days** from scheduled Bid Opening Date will be rejected.

5.13 The Integrity Pact is applicable against this tender. OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide "**Proforma-M**" of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be returned by the bidder (along with the Un-priced Techno-Commercial Bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid. If any bidder refuses to sign Integrity Pact or declines to submit the Integrity Pact, their bid will be rejected.

5.14 **Land Border Sharing**: Bidders should submit an Undertaking that, their bid is compliant to Order No. F.No. 6/18/2019-PPD dated 23.07.2020 issued by Ministry of Finance, Department of Expenditure, Public Procurement Division, Govt. of India (including subsequent amendments thereto, if any), regarding restrictions on procurement from a bidder of a country which shares land border with India.

5.15 **Document Authenticity Undertaking**: Bidders should note that Company (OIL) may verify authenticity of all the documents /certificates / information submitted by the bidder(s) against the tender. In case at any stage of tendering process or Contract execution etc., if it is established that bidder has submitted forged documents / certificates / information towards fulfilment of any of the tender / contract conditions, Company shall immediately reject the bid of such bidder(s)

or cancel / terminate the contract besides taking action as per OIL's Banning Policy available in the OIL's website. Accordingly, service provider/vendor to submit the Undertaking of authenticity of information/documents submitted as per **Proforma-J**.

5.16 Bidders should not be under liquidation/bankruptcy/undergoing any insolvency resolution process as on Bid Closing date. Bidders shall submit undertaking towards compliance of above as per **Appendix-1** along with the bid. If any bidder declines to submit the above undertaking, their bids shall be liable for rejection.

5.17 The bidder shall submit an undertaking/declaration as per **Appendix-2**. confirming that they have read and understood OIL's Banning Policy and that, neither they nor any of their allied concerns or partners or associates or directors, or proprietors involved in any capacity, are currently on OIL's Holiday/Banning List. Further, the bidder shall confirm that neither they nor any of their aforementioned entities have, during the last three years, been involved in any transgression with any company conforming to the Transparency International (TI) approach or with any Public Sector Enterprise of India that could justify exclusion from the tender process. The bidder shall also disclose details of all such allied entities, if any, as required under the Banning Policy.

6.0 <u>PRICE EVALUATION CRITERIA</u>:

The bids conforming to the technical specifications, terms and conditions stipulated in the bidding document and considered to be responsive after subjecting to Bid Evaluation Criteria mentioned above will be considered for further evaluation as per the Price Evaluation Criteria given below:

6.1 Bidders are required to quote for all the items as per **Proforma-B: Price Bid Format**, otherwise the offer of the bidder will be straightway rejected.

6.2 If there is any discrepancy between the unit price and the total price, the unit price will prevail and the total price shall be corrected. Similarly, if there is any discrepancy between words and figure, the amounts in words shall prevail and will be adopted for evaluation.

6.3 The quantities shown against each item in the "Price Bid Format" shall be considered for the purpose of Bid Evaluation. It is, however, to be clearly understood that the assumptions made in respect of the quantities for various operations are only for the purpose of evaluation of the bid and the Contractor will be paid on the basis of the actual number of days/parameter, as the case may be.

6.4 The bidders are advised not to offer any discount/rebate separately and to offer their prices in the Price Bid Format after considering discount/rebate, if any.

6.5 Conditional and unsolicited discount will not be considered in evaluation. However, if such bidder happens to be the lowest recommended bidder, unsolicited discount without any condition will be considered for computing the contract price.

6.6 In case of identical overall lowest offered rate by more than 1(one) bidder, the selection will be made by draw of lot between the parties offering the same overall lowest price.

6.7 The inter-se-ranking of the techno-commercially qualified bidders will be determined on overall lowest cost basis (L-1 offer) i.e. considering the Total quoted price inclusive of all liabilities and GST.

6.8 While evaluating the bids, the closing rate (B.C. Selling Rate) of exchange declared by State Bank of India on the day prior to price bid opening will be taken into account for conversion of foreign currency into Indian Rupees.

6.9 Price Bids shall be evaluated on overall lowest cost to OIL (L-1 offer) basis i.e. considering total quoted price for all services including quoted GST (CGST & SGST/UTGST or IGST).

6.10 Bidder shall quote same rates for all the Rigs quoted/identified by them. Bidders quoting different rates (either total or individual item rate) would be rejected.

6.11 Price Evaluation of the qualified bids will be done on the basis of rates quoted by the bidder as per PROFORMA-B. However, bidders must comply with the limits indicated against each of the following rates:

(a) Payment towards mobilization charges for each rig package should not exceed **7.5%** of the total estimated Contract value for the Rig package for four (4) years operation. However, mobilization charges if quoted in excess of **7.5%** of the total estimated contract value, the excess amount shall be withheld and paid at the end of the contract.

(b) Payment towards **Standby Day Rate** shall be **90% (ninety percent)** of the Operating Day Rate.

(c) Payment towards **Rig Repair Day Rate** and **Stack Day Rate** shall be **50% (Fifty percent)** of Operating Day Rate.

(d) Payment towards **Force Majeure Day Rate** shall be **50% (Fifty percent)** of Operating Day Rate.

(e) Demobilization Charges for each rig package should not be less than **2% (two percent)** of the total estimated Contract value for the Rig package for four (4) years operation. In case de-mobilization charges is quoted less than 2% of the total estimated Contract value, the differential amount will be kept on hold from the 1st invoice onwards and the same will be paid at the end of the contract along with Demobilization charges.

6.12 Priced Bids shall be evaluated taking into account the rates quoted by the bidders in the PRICE BID FORMAT (Proforma-B) by taking into account the summation of the following:

TOTAL ESTIMATED CONTRACT COST FOR THE RIG FOR 4 YEARS CONTRACT DURATION (including quoted GST and all other Taxes & Duties):

TT = TM + TD + TODR + TILM0+ TILM1 + TILM2 + quoted GST

Where,

(a) Total 'Mobilization Charges (M)' for the Rig, TM = M x 1 LSM

(b) Total 'Demobilization Charge (D)' for the Rig, TD = D x 1 LSM

(c) Total 'Operating Day Rate (ODR)' for the Rig, TODR = ODR x 1336 days

(d) Total Inter-Location Movement charge (Cluster location) for the Rig, TILM0 = ILM0 x 3 LSM

(e) Total 'Inter-location Movement Charges (ILM1)' for the Rig (For movement within a distance of 30 Kms), TILM1 = ILM1 x 5 LSM

(f) Total 'Inter-location Movement Charges on Kilometre Basis (ILM2) (For movement in excess of 30 Kms) for the Rig, TILM2= ILM2 x 420 KM

NOTE: The above items are defined in Schedule of Rates/Price bid format**.**

6.13 OIL will prefer to deal with registered bidder under GST. Therefore, bidders are requested to get themselves registered under GST, if not registered yet.

However, in case any unregistered bidder is submitting their bid, their prices will be loaded with applicable GST while evaluation of bid.

6.14 Price Bid uploaded without giving any of the details of the taxes (Including rates and amounts) will be considered as inclusive of all taxes including GST.

When a bidder mentions taxes as extra without specifying the rates & amount, the offer will be loaded with maximum value towards taxes received against the tender for comparison purposes. If the bidder emerges as lowest bidder after such loading, in the event of order on that bidder, taxes mentioned by OIL on the Purchase Order/Contracts will be binding on the bidder.

6.15 Input Tax Credit on GST (Goods & Service Tax) for this service is NOT available to OIL & the bids will be evaluated based on total price including GST.

6.16 If a bidder quotes Total Charges/Consideration as NIL, the bid shall be treated as unresponsive and will not be considered.

6.17 CUSTOMS DUTY: In terms of Sl. No. 404 of the Customs Notification No.50/2017-Cus dated 30.06.2017, imports of the items specified in List 33 of the Notification are subject to levy of concessional rate of customs duty (BCD Nil & concessional IGST) subject to conditions specified therein (Condition No. 48). However, Condition No. 48 along with List-33 of the said notification has been amended vide Customs Notification No. 30/2024-Customs dated 23.07.2024.

Bidders shall take note of the prevailing customs notifications including the latest amendment vide gazette Notification No. 30/2024-Customs dated 23.07.2024 while quoting their prices. Bidder should consider concessional Customs Duty only for those items appearing in List-33 therein. Items of import other than those

appearing in List-33 of the said gazette notification shall be considered as duty payable on merit basis in their respective bid. OIL shall issue the requisite undertaking/certificate on request from Contractor for availing concessional rate of customs duty only against the items explicitly covered under List-33 of Customs Notification No. 30/2024-Customs dated 23.07.2024 or against any other item(s) subsequently declared by the competent authority during the tenure of the contract to be duty exempted/concessional. However, in the event of refusal/denial by Customs Authority to accord exemption/concession of Customs Duty against import of items which are explicitly covered under List-33 of Notification No. 30/2024-Customs dated 23.07.2024, such applicable customs duty shall be reimbursed at actual by OIL to the Contractor on submission of documentary evidence.

Similarly, the items other than those appearing in List-33 of the said gazette notification, if to be imported by the Contractor for the purpose of execution of contract against this tender, the same shall be considered as duty payable on merit basis and the applicable customs duty thereof must be included by the bidder in their respective bid value. OIL will not issue any Undertaking/Certificate towards customs duty concession/exemption for those items (not included in List-33 of Notification) and the duty payable on merit shall be borne by the Contractor. However, any other item if subsequently notified by the competent authority to be Duty free/concessional during the tenure of the contract, OIL will issue requisite Certificate/Undertaking for Contractor to avail the Customs Duty benefit and the duty benefit must be passed on to OIL. Additionally, for all those items against which the bidder considers the Customs Duty on merit, the list specifying the Customs Duty Rate (percentage) may be furnished, so that subsequent increase/decrease in Customs Duty, if any shall be reimbursed/recovered by OIL as the case may be on documentary evidence.

Bidders should submit the list of items which are to be imported for execution of the contract against this tender as per **Proforma-A** prudently along with their bid. Undertaking/Certificate for availing concessional rate of Customs Duty shall be issued by OIL only for the eligible items, provide the same are included in the Proforma-A submitted by the bidder.

7.0 GENERAL:

7.1 In case bidder takes exception to any clause of bidding document not covered under BEC, then the Company has the discretion to load or reject the offer on account of such exception if the bidder does not withdraw/modify the deviation when/as advised by company. The loading so done by the company will be final and binding on the bidders. No deviation will however be accepted in the clauses covered under BEC.

7.2 To ascertain the substantial responsiveness of the bid, the Company reserves the right to ask the bidder for clarification in respect of clauses covered under BEC also and such clarifications fulfilling the BEC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be liable for rejection. Since pre-bid meeting is provisioned in this tender, Company is not obligated to seek any post-bid clarification. However, clarifications if decided to

be sought at the option of Company, the same shall be limited to the original submissions only and no independent fresh submission shall be called for/permitted. However, mere submission of such clarification shall not make the offer responsive, unless company is satisfied with the substantial responsiveness of the offer.

7.3 If any of the clauses in the BEC contradict with other clauses of bidding document elsewhere, the clauses in the BEC shall prevail.

7.4 Bidder(s) must note that requisite information(s)/financial values etc. as required in the BEC & Tender are clearly understandable from the supporting documents submitted by the Bidder(s); otherwise Bids shall be liable for rejection.

7.5 OIL will not be responsible for delay, loss or non-receipt of applications for participating in the bid sent by mail and will not entertain any correspondence in this regard.

7.6 The originals of such documents [furnished by bidder(s)] shall have to be produced by bidder(s) to OIL as and when asked for.

7.7 Bidders shall submit duly filled checklists on BEC & other relevant technical criteria as prescribed in the tender along with their technical bid. If any bidder fails/declines to submit the same, their bid shall not be considered for further evaluation.

8.0 PURCHASE PREFERENCE CLAUSE:

8.1 **PURCHASE PREFERENCE TO MSE BIDDERS:** Purchase Preference to Micro and Small Enterprises is applicable for this tender.

8.1.1 Provisions such as seeking support (experience, financial strength etc.) from another company (Parent/Subsidiary Company/Sister Subsidiary/Co-Subsidiary/ JV Constituent etc.), wherever allowed in the tender document, shall be available to all interested bidders including MSEs. In those scenarios, MSEs quoting on the strength of supporting company will be eligible for Purchase Preference reserved for MSEs, provided they fulfil the following:

i. If the bidder is bidding on the Technical Strength of the supporting company, the supporting company shall be MSE

ii. If the bidder is bidding on the Financial Strength of the supporting company, the supporting company shall be MSE

iii. If the bidder is bidding on the Technical and Financial Strength of the supporting companies, all the supporting companies shall be MSE.

8.1.2 **Documentation required to be submitted by MSEs:** Categorization and various criteria applicable to MSE bidders shall be guided by the Gazette Notification No. **CG-DL-E-26062020-220191 dated 26.06.2020** and Amendment vide Gazette Notification no. **CG-DL-E-16062021-227649 dated 16.06.2021** and **No. CG-DL-E-19012022-232763 dated 19.01.2022** and **CG-DL-E-06052022-235600**

dated 06.05.2022 issued by MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES, and any amendment thereof.

The bidder claiming the MSE status (MSE-General, MSE-SC/ST, MSE-Woman) against this tender has to submit Udyam Registration Number with Udyam Registration Certificate along with the technical bid for availing the benefits applicable to MSEs.

Note: In case bidding MSE is owned by Schedule Caste or Schedule Tribe or Woman entrepreneur, valid documentary evidence issued by the agency who has registered the bidder as MSE owned by SC/ST/Woman entrepreneur should also be enclosed.

8.1.3 The purchase preference for price matching shall be given to MSEs in the following order of preference:

1. SC/ST Women-owned MSEs
2. SC/ST owned MSEs
3. Women-owned MSEs
4. Other MSEs

All other guidelines issued in respect of benefits to MSEs shall prevail. Bidder claiming above relaxation/ exemption need to submit necessary documentary proof of their eligibility along with their techno-commercial bid. The certificate must be valid as on the bid closing date.

8.2 **PURCHASE PREFERENCE POLICY (MAKE IN INDIA) (PP-MII):** Purchase preference under Public Procurement (Preference to Make in India) Order, 2017 of Department for Promotion of Industry and Internal Trade (DPIIT), Govt. of India as revised vide Order No**. P-45021/2/2017-PP (BE-II)** dated **16th September 2020** (and as amended time to time) with modifications as notified vide MoPNG Order No. **FP-20013/2/2017-FP-PNG-Part (4) (E-41432)** dated **26th April 2022,** shall be applicable in this tender. Bidders to check the provisions of the Order for their eligibility to bid and seek benefits for Purchase preference, accordingly.

8.3 **AWARD OF CONTRACT**: Single contract shall be awarded for the entire scope of work under this tender subject to concurrent application of Public Procurement Policy for MSE Order 2012 and PP(MII) Order 2017 as per Order No. F.1/4/2021-PPD dated 18.05.2023 issued by Public Procurement Division, Department of Expenditure, Ministry of Finance, Govt. of India and any subsequent amendment thereto.

8.4 **Matching of Price**: The matching of the total price with the L1 bidder based on the criteria mentioned above shall be as under

I. In case 'Operating Day Rate (ODR)' of the bidder is higher than the corresponding price quoted by the L1 bidder:

i. The 'Total Price' of the bidder shall be calculated by matching the ODR quoted by the bidder to that of L1 ODR. If the 'Total Price' of the bidder after matching the ODR is found to be higher than the total price of the L1 bidder, the differences in the 'Total Price' after matching as above, shall be reduced proportionately from the remaining line items where their rates/prices are higher than the L1 bidder to match the 'Total Price' of the bidder to the corresponding price of L1 bidder.

ii. In case the 'Total Price' of the bidder after matching the ODR (as stated in Para i. above) is found to be lower than the corresponding L1 price, then ODR shall be reduced in such a way to match 'Total Price' of the bidder with the L1 price.

II. In case the 'Operating Day Rate (ODR)' of the bidder is lower than the corresponding L1 price: The difference in the 'Total Price' of the bidder and L1 price shall be reduced proportionately from all the line items only where their rates/prices are higher than the L1 bidder, to match the 'Total Price' of the bidder to the corresponding L1 price.

Note: The eligibility for MSE & Class-I Local Supplier shall be guided by the PPP-MSE Order & PPP-MII Order respectively as stipulated under Clause Nos. 8.1 & 8.2 above.

9.0 VERIFICATION AND CERTIFICATION OF DOCUMENTS BY INDEPENDENT THIRD-PARTY INSPECTION AGENCIES:

9.1 Oil India Limited (OIL) has engaged the following 17 (Seventeen) Independent Inspection Agencies for a period of 04 (Four) years up to 06.06.2028 to verify and certify various documents required against BEC of the tender:

Sl. No.	Name of Independent Inspection Agency	Contact E-mail ID
i.	M/s. Alfred H Knight India Private Limited	a. rkjain@ahkgroup.com; b. Pradeep.mathur@ahkgroup.com; c. info@ahkgroup.com;
ii.	M/s. TUV India Private Limited	a. noida@tuv-nord.com b. mumbai@tuv-nord.com c. salim@tuv-nord.com
iii.	M/s Conformity India International Private Limited	a. mktg@ciindia.in
iv.	M/s Ravi Energic Private Limited	a. baroda@ravienergic.com b. tpia@ravienergic.com
v.	M/s SGS India Private Limited	a. dhaval.vora@sgs.com b. sgs.india@sgs.com

vi.	M/s Assure Quality Management Certification Services Private Limited	a. aqmcs@aqmcs.com
vii.	M/s. IRCLASS Systems and Solutions Private Limited	a. industrial_services@irclass.org b. Bhavesh.satam@irclass.org
viii.	M/s. TÜV Rheinland (India) Pvt. Ltd.	a. Shailesh.deotale@ind.tuv.com b. Kaushal.gohil@ind.tuv.com c. info@ind.tuv.com d. ravi.kumar@ind.tuv.com
ix.	M/s Gulf Lloyds (India) Limited	a. contact@gulfllloyds.com b. inspection@gulfllloyds.com
x.	M/s Baltic Testing India Pvt. Ltd.	a. office@balticcontrolindia.com
xi.	M/s Sanmarg Engineering Validation & Assessment	a. Amitra@sanmargeva.com
xii.	M/s Meenar Global Consultants LLP	a. sales@mgellp.in
xiii.	M/s Rites Limited	a. nrinspn@rites.com b. info@rites.com c. sbu.ninsp@rites.com
xiv.	M/s Bureau Veritas (India) Private Limited	a. bvindia.corporate@bureauveritas.com
xv.	M/s TUV SUD South Asia Private Limited	a. Hemant.chavan@tuvsud.com b. Jayashree.rane@tuvsud.com
xvi.	M/s Adornment Engineers India Private Limited	a. jks@adornmentengineers.com
xvii.	M/s TCRC Inspections Pvt. Ltd.	a. admin@tereinspections.com b. ashismallick@teregroup.com c. tenders@teregroup.com

9.2 Bidders are required to have their following documents verified and certified by any one of the empanelled Independent Third-party Inspection Agencies listed above:

(i) **Technical Criteria: All documents sought under Clause no. 3.0 of BEC.**

(ii) **Bidder's Certificate of Incorporation, if applicable.**

The Inspection Certificate, duly issued by the selected agency, must be submitted along with the Technical Bid. All costs related to verification and certification by the Third-Party Inspection Agencies shall be borne solely by the respective bidders. Payments in this regard shall be made directly by the bidders to the Inspection Agencies. OIL shall not be held responsible for any payment-related dispute between the bidders and the inspection agencies.

9.3 The verified and certified documents (as mentioned in Para 9.2 above) must be submitted along with the Technical Bid. Any bid submitted with un-verified supporting documents shall not be considered. However, in case a bidder submits its bid along with all relevant supporting documents as per BEC without getting all/some of them verified by the designated Independent Inspection agency, such bid can be provisionally considered, provided it is accompanied by an **Undertaking by the Bidder on their official letterhead towards submission of the duly verified and certified copies/ Inspection Certificate within 07 (Seven) days from the actual date of bid opening**. No reminders or clarifications will be issued by the Company in this regard, and failure to submit the verified/ certified documents within the stipulated time shall result in outright rejection of the bid , at the sole risk and responsibility of the bidder.

9.4 The methodology of verification/certification of documents followed by the agencies is broadly as under, but not limited to:

(a) It is the sole responsibility of the bidders intending to participate in the tender to thoroughly understand the requirements of the tender, particularly the documents required under BEC. The bidders must present all relevant documents to any of the empanelled third-party certifying agencies for verification/certification. Neither OIL nor the Inspection Agencies shall be responsible for the selection or appropriateness of the documents submitted for verification. It is entirely the bidder's responsibility to ensure that the appropriate documents are verified/certified in support of BEC compliance.

(b) The concerned Independent Third-Party Inspection Agencies shall depute their qualified/competent inspector to the Bidder's premises to check the original documents and certify the copies which the bidder shall submit along with their bids.

(c) On issuance of the Inspection Certificate to the bidder, TPI agency should share a copy of the same to the concerned Purchase officer through e-mail directly (Email ID: contract-global@oilindia.in; zoom.das@oilindia.in). OIL will reserve the right to ask the inspection agencies to verify the documents with source, if required at no extra cost to OIL. Verification/Certification of documents by OIL's empanelled third-party inspection agencies shall not automatically make the bidder techno-commercially-acceptable or eligible for award of contract.

Notes:

(i) Bidder's self-declared undertakings, Audited Balance Sheet & Profit-loss statement and/or CA certificate having UDIN are not required to be verified by the TPI agency. If any documents, LOI/LOA/Contracts, etc., submitted towards BEC experience criteria are issued by Oil India Limited, such documents need not be verified by TPI agency.

(ii) Undertaking from TPI Agency as per format (**Proforma-Z**) enclosed should be submitted along with the Bid.

(iii) In case of clarifications sought by OIL against BEC, supporting documents (historical in nature) to those submitted in the original bid will also have to be verified from the same TPI agency which has originally verified their bid

documents. OIL shall categorically mention the documents that are to be submitted with TPI verification in the clarification sought. In case the bidder fails to submit the TPI verified documents, as sought by OIL, as part of their clarification, their offer will be liable for rejection.

10.0 COMPLIANCE OF THE COMPETITION ACT, 2002: The bidder shall strictly comply with the provisions of the Competition Act, 2002, more particularly, Section-3 of the Act. Any violation the provisions of the Act shall attract penal action under the Act.

END OF PART-2

&&&&&

Part-3
GENERAL CONDITIONS OF CONTRACT (GCC)

1.0 APPLICABILITY, DEFINITION & INTERPRETATION:

1.1 Applicability

All clauses in the General Conditions of Contract [GCC] shall apply to all transactions except as otherwise stated in the Special Conditions of Contract [SCC] and/or BEC-BRC. Furthermore, in the event if there is any conflict between the Principal text of the Agreement and the Appendixes, the Principal text will prevail.

1.2 Definition & Interpretation

In the contract (as hereinafter defined) the following words and expressions shall have the meaning hereby assigned to them except where the context otherwise requires:

1.2.1 COMPANY/OIL/Operator:

Shall mean Oil India Limited [OIL] a public sector undertaking, incorporated under COMPANY's Act 1956 having its registered office at Duliajan-786602, Assam, India and includes its successor and permitted assigns.

1.2.2 CONTRACTOR:

Shall mean the person or persons, firm or COMPANY or corporation incorporated in India or abroad, who has been awarded with the contract and includes contractor's legal representatives, his successors and permitted assigns.

1.2.3 Contract:

Shall mean a written agreement between the COMPANY and the CONTRACTOR for execution of the services/works including all contract documents and subsequent amendments, if any.

1.2.4 Site:

Shall mean the place in which the operations/services are to be carried out or places approved by OIL for the purposes of the CONTRACT together with any other places designated in the CONTRACT as forming part of the site.

1.2.5 COMPANY's Site Representative/Engineer:

Shall mean the person or the persons appointed by the COMPANY from time to time to act on its behalf at the site for overall co- ordination, supervision and project management at site.

1.2.6 Sub-Contract:

Shall mean order/ contract placed by the CONTRACTOR for any portion of the CONTRACT or work sublet with necessary written consent of COMPANY on third party. Such sub-letting shall not relieve the CONTRACTOR from any obligation, duty or responsibility under the CONTRACT.

1.2.7 Sub-Contractor:

Shall mean any person or firm or COMPANY (other than CONTRACTOR) to whom any part of the work has been entrusted by CONTRACTOR, with written consent of OIL or the persons appointed by OIL, successors and permitted assigns of such persons, firm or COMPANY**.**

1.2.8 Contractor's Representative:

Shall mean such person/or persons duly appointed representative at the site and base as the CONTRACTOR may designate in writing to the COMPANY as having authority to act for the CONTRACTOR in matters affecting the work and to provide the requisite services.

1.2.9 Contract Price/Value*:*

Shall mean the sum accepted or the sum calculated in accordance with the rates accepted in tender and/or the contract rates as payable to the CONTRACTOR for the entire execution and completion of the services/works, including amendments/modification/change order issued by the COMPANY.

1.2.10 Firm price:

The prices will remain unchanged, except for statutory changes, during currency of the CONTRACT unless specifically agreed to in writing by COMPANY.

1.2.11 Service/Works/Operations:

Shall mean and include all items and things to be supplied/done and all work /Service to be performed by the CONTRACTOR as specified in the Scope of Work under this CONTRACT and shall also include all extra, additional, altered or substituted works/services as required for the purpose of successful execution of the Contract.

1.2.12 Equipment/Materials/Goods:

Shall mean and include any equipment, machinery, instruments, stores, goods which CONTRACTOR is required to provide to the COMPANY for/under the CONTRACT and amendments thereto.

1.2.13 Drawings:

Shall mean and include all Engineering sketches, general arrangements/ layout drawings, sectional plans, all elevations, photographs, etc. related to the CONTRACT together with modification and revision thereto.

1.2.14 Specifications:

Means and includes all technical specifications, provision attached and referred to in the tender/contract document regarding method and manner of performing the services and qualities of the service/materials to be provided under the contract and also as modified by the COMPANY/its site representative during the execution of contract in the best interest of service.

1.2.15 Engineer In-charge (EIC):

Shall mean the person designated from time to time by the COMPANY and shall include those who are expressly authorized by the COMPANY to act for and on its behalf for operation of the contract.

1.2.16 Inspectors:

Shall mean any person or outside Agency nominated by COMPANY to inspect equipment, materials and services, if any, in the CONTRACT (stage wise as well as final) as per the terms of the CONTRACT.

1.2.17 Tests:

Shall mean such process or processes to be carried out by the CONTRACTOR as are prescribed in the CONTRACT, considered necessary by the COMPANY or their representative to ascertain quality, workmanship, performance and efficiency of equipment or services thereof.

1.2.18 Approval:

Shall mean and include the written consent duly signed by COMPANY or their authorized official in respect of all documents, drawings or other particulars in relation to the CONTRACT.

1.2.19 Day:

Shall mean a calendar day of twenty –four (24) consecutive hours beginning at 00:00 hours with reference to local time at the site.

1.2.20 Month:

Shall mean a calendar month as per Gregorian calendar.

1.2.21 Year:

Shall mean calendar year as per Gregorian calendar.

1.2.22 Working day:

Means any day which is not declared to be holiday by the COMPANY.

1.2.23 Bid/offer:

Shall mean the proposal/Offer along with supporting documents submitted by the bidder in response to the tender or enquiry in accordance with the terms of Tender or Enquiry, for consideration by COMPANY, prior to award of contract.

1.2.24 Guarantee:

Shall mean the period and other conditions governing the warranty/guarantee of the services as provided in the CONTRACT.

1.2.25 Mobilization:

Shall mean rendering the equipment fully manned and equipped as per CONTRACT and ready to begin work at site designated by the COMPANY and accepted by the COMPANY after inspection.

1.2.26 De-mobilization:

Shall mean the removal of all items forming part of the Mobilization from the site of the COMPANY and inspection and acceptance thereafter by the COMPANY including compliance of requirement in relation to re-export of imported equipment/materials under concessional duty scheme in accordance with relevant notification from Customs Authorities.

1.2.27 Wilful Misconduct:

Shall mean intentional disregard of good and prudent standards of performance or proper conduct under the Contract with knowledge that it is likely to result in any injury to any person or persons or loss or damage of property of the Company or Third Party.

1.2.28 Gross Negligence:

Shall mean any act or failure to act (whether sole, joint or concurrent) by a person or entity which was intended to cause, or which was in reckless disregard of or unjustifiable indifference to, avoidable and harmful consequences such person or entity knew, or should have known, would result from such act or failure to act. Notwithstanding the foregoing, Gross negligence shall not include any action taken in good faith for the safeguard of life or property.

1.2.29 Criminal Negligence:

Shall mean that the crime happened negligently, there was duty of care upon the Person but inadvertently due to his negligence, the duty was breached, which causes harm to the people in the form of death or serious injury.

1.2.30 GST Legislations:

'GST legislations' means 'any or all of the following legislations as may be applicable to the CONTRACTOR and OIL:

(A) The Central Goods & Services Tax Act, 2017;

(B) The Integrated Goods & Services Act, 2017;
(C) The Union Territory Goods & Services Tax Act, 2017;
(D) The respective State Goods & Service Tax Acts'
(E) The Goods and Services (Compensation to States) Act, 2017
(F) The Customs Act and the Customs Tariff Act.
(G) Any other applicable Act related to GST

2.0 CONTRACT DOCUMENT:

2.1 Governing language: The governing language for the CONTRACT shall be English. All CONTRACT documents and all correspondence and communication to be given and all other documentation to be prepared and supplied under the CONTRACT shall be written in English and the CONTRACT shall be construed and interpreted in accordance with English language.

2.2 Entire Agreement: The CONTRACT constitutes the entire agreement between OIL and the CONTRACTOR with respect to the subject matter of the CONTRACT and supersedes all communication, negotiations and agreement (whether written or oral) of the parties with respect thereto made prior to the date of this agreement, unless such communication(s) expressly forms part of the contract or included by reference.

2.3 Amendment in CONTRACT: No Amendment of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto. OIL shall not be bound by any printed conditions, provisions in the CONTRACTOR's BID, forms of acknowledgement of CONTRACT, invoice and other documents which purport to impose any condition at variance with or supplement to CONTRACT.

3.0 WAIVERS AND AMENDMENTS:

3.1 Waivers: It is fully understood and agreed that none of the terms and conditions of this contract shall be deemed waived by either party unless such waiver is executed in writing only by the duly authorized representatives of both the parties. The failure of either party to execute any right shall not act as a waiver of such right by such party.

3.2 Change Program: It is agreed that CONTRACTOR shall carry out work in accordance with the completion program (e.g. Drilling programme) to be furnished by the COMPANY, which may be changed from time to time by reasonable modifications in the program as COMPANY sees fit. COMPANY's instruction in this regard shall be final and binding.

4.0 CONTRACT TIMELINE:

4.1 Effective Date of Contract: The contract shall become effective as of the date COMPANY notifies the CONTRACTOR in writing that it has been awarded the contract. This date of issuance of Letter of Award (LOA) by the COMPANY will be the Effective Date of Contract. All terms and conditions of the contract shall come into force with the date of issuance of LOA.

4.2 Date of Commencement of Operation:

The date on which the mobilization is completed in all respects and CONTRACTOR is ready to commence operation as per the contract provision [Certified by the COMPANY's representative] will be treated as the date of Commencement of Operation.

4.3 Duration of the contract:

The contract shall be valid for a period as defined in the LOA and Special Conditions of Contract [SCC].

5.0 SCOPE OF WORK/CONTRACT:

Scope of the CONTRACT shall be as defined in the CONTRACT, specifications, drawings and Appendices.

6.0 GENERAL OBLIGATION OF CONTRACTOR:

CONTRACTOR shall, in accordance with and subject to the terms and conditions of this Contract:

6.1 Perform the work described in the Terms of Reference/Scope of Work. The CONTRACTOR shall execute the work with professional competence and in an efficient and workman like manner.

6.2 Except as otherwise provided in the Terms of Reference and the special Conditions of the contract, employ all labours/personnel as required to perform the work.

6.3 Perform all other obligations, work and services which are required by the terms of this contract or which reasonably can be implied from such terms as being necessary for the successful and timely completion of the work.

6.4 Comply with all applicable statutory obligations specified in the contract.

6.5 CONTRACTOR shall be deemed to have satisfied himself before submitting their bid as to the correctness and sufficiency of its bid for the services required and of the rates and prices quoted, which rates and prices shall, except insofar as otherwise provided, cover all its obligations under the contract.

6.6 CONTRACTOR shall be deemed, prior to submitting their bids, to have satisfied themselves about the weather conditions, working culture in the area, socio-political environment, safety & security aspects, law & order situation and law of the land, and obtain for themselves all necessary information as to the risks, contingencies and all other circumstances, which may influence or affect the various obligations under the Contract.

6.7 CONTRACTOR shall give or provide all necessary supervision during the performance of the services and as long thereafter within the warranty period as COMPANY may consider necessary for the proper fulfilling of CONTRACTOR's obligations under the contract.

7.0 GENERAL OBLIGATION OF COMPANY:

COMPANY shall, in accordance with and subject to the terms and conditions of this contract:

7.1 Pay CONTRACTOR in accordance with terms and conditions of the contract.

7.2 Allow CONTRACTOR access, subject to normal security and safety procedures, to all areas as required for orderly performance of the work as specified in the Scope of Works of the contract or work connected therewith.

7.3 Perform all other obligations required of COMPANY by the terms of this contract.

8.0 DUTIES AND POWER /AUTHORITY:

8.1 OIL's site representative/engineer:

The duties and authorities of OIL's site representative/engineer are to act on behalf of OIL for:

i. Overall supervision, co-ordination and Project Management at site

ii. Proper and optimum utilization of equipment and services.

iii. Monitoring of performance and progress

iv. Commenting/ countersigning on reports made by the CONTRACTOR's representative at site in respect of works, receipts, consumption etc. after satisfying himself with the facts of the respective cases.

v. He shall have the authority, but not obligation at all times and any time to inspect/test/examine/ verify any equipment machinery, instruments, tools, materials, personnel, procedures and reports etc. directly or indirectly pertaining to the execution of the work. However this shall not construe to imply an acceptance by the inspector.

Hence, the overall responsibility of quality of work shall rest solely with the CONTRACTOR.

vi. Each and every document emerging from site in support of any claim by the CONTRACTOR has to have the countersignature/ comments of the OIL's representative/engineer without which no claim shall be entertained by the OIL.

8.2 CONTRACTOR's representative:

(a) The CONTRACTOR's representative shall have all the powers requisite for the performance of the Service/Works, subject to holding due authorisation from the CONTRACTOR.

(b) Representative(s) shall liaise with OIL's representative/engineer for the proper co-ordination and timely completion of the works and on any matter pertaining to the works.

(c) Representative(s) shall extend full co-operation to OIL's representative/inspector/engineer in the manner required by them for supervision/inspection/observation of equipment, material, procedures, performance, reports and records pertaining to works.

(d) To have complete charge of CONTRACTOR's personnel engaged in the performance of the work and to ensure compliance of rules and regulations and safety practice.

9.0 Personnel to be deployed by contractor:

CONTRACTOR warrants that it shall provide competent, qualified and sufficiently experienced personnel to perform the work correctly and efficiently.

9.1 The CONTRACTOR should ensure that their personnel observe all statutory safety requirement including those prescribed by the COMPANY. Upon COMPANY's written request, CONTRACTOR, entirely at its own expense, shall remove immediately any personnel of the CONTRACTOR determined by the COMPANY to be unsuitable and shall promptly replace such personnel with personnel acceptable to the COMPANY. Replacement personnel should be mobilized within 15 days from the date of issuance of notice without affecting the operation of the COMPANY.

9.2 The CONTRACTOR shall be solely responsible throughout the period of the contract for providing all requirements of their personnel including but not limited to, their transportation to & fro from Duliajan/field site, enroute/ local boarding, lodging, personal protective gear & medical attention etc. COMPANY shall have no responsibility or liability in this regard.

9.3 However, COMPANY shall provide available medical assistance/facilities to CONTRACTOR's Personnel in case of emergency at its own establishment on chargeable basis.

9.4 CONTRACTOR's key personnel shall be fluent in English language (both writing and speaking).

10.0 <u>PERFORMANCE SECURITY</u>:

10.1 On receipt of notification of award from the COMPANY, the CONTRACTOR shall furnish the Performance Security to COMPANY within **30 (Thirty)** days from the date of issue of LOA for an amount specified in the Forwarding Letter/Introduction and Letter of Award (LOA) as per Proforma enclosed and must be in the form of Insurance Surety Bond or Bank Draft/ Cashier's cheque/Banker's cheque*/NEFT/RTGS/Electronic fund transfer to designated account of OIL# or Fixed Deposit Receipt (account OIL INDIA LIMITED) or irrevocable Bank Guarantee or irrevocable Letter of Credit (LC) from:

a. Any schedule Indian Bank or Any Branch of an International bank situated in India and registered with Reserve Bank of India as scheduled foreign bank in case of domestic CONTRACTOR/service provider.

OR

b. Any scheduled bank in India or from International bank who has its branch in India registered with Reserve Bank of India, in case of foreign CONTRACTOR/service provider.

OR

c. Any foreign Bank which is not a Scheduled Bank in India, provided the Bank Guarantee issued by such Bank is counter-guaranteed by any Branch situated in India of any Scheduled Bank incorporated in India.

Note: Bank Guarantee issued by a Scheduled Bank of India at the request of some other Non-Schedule Bank of India shall not be acceptable.

10.2 Bank Guarantee issued by a Bank, amongst others, must contain the following particulars of such bank:

Full address

Branch Code

Code Nos. of the authorized signatory with full name and designation.

Phone Nos.

Fax Nos.

E-mail address.

10.3 The domestic CONTRACTOR/service provider(s) will have to submit the Bank Guarantee from any of the scheduled banks and on non- judicial stamp paper of requisite value as per the Indian Stamp Act, purchased in the name of the issuing banker.

10.4 The foreign CONTRACTOR/service provider(s) will submit the Bank Guarantee from Banks of Indian origin situated in their country. In case no such bank of Indian origin is situated in their country, the Bank Guarantee may be submitted from the bankers as specified above.

10.5 The Performance Security shall be denominated in the currency of the contract.

10.6 The Performance Security specified above must be valid for the entire duration of the Contract and claim period should be valid for a minimum of 03 (three) months beyond the contract period. The Performance Security will be discharged by COMPANY not later than 30 days following its expiry of claim period. In the event of any extension of the Contract period, Bank Guarantee should be extended by CONTRACTOR by the period equivalent to the extended period.

10.7 The Performance Security shall be encashed by COMPANY on account of CONTRACTOR's failure to fulfil its obligations under the Contract and/or non-performance/un-satisfactory performance of the Contractor. Company shall not be required to proof any loss or damage on account of Contractor's non-performance/un-satisfactory performance.

10.8 The Performance Security will not accrue any interest during its period of validity or extended validity.

10.9 Failure of the successful Bidder to comply with the requirements of clause 10.0 shall constitute sufficient grounds for annulment of the award. In such an eventuality, action will be initiated as per the Banning Policy of OIL in vogue.

Subject to credit in OIL's account within prescribed time

* The validity of Bank Draft/Cashier's/Banker's cheque (as applicable) should not be less than 3 months.

In the event CONTRACTOR fails to honour any of the commitments entered into under this agreement, and /or in the event of termination of the contract under provisions of Integrity Pact and /or in respect of any amount due from the CONTRACTOR to OIL, OIL shall have unconditional option under the guarantee to invoke the above bank guarantee and claim the amount from the bank. The bank shall be obliged to pay the amount to OIL on demand.

11.0 SIGNING OF CONTRACT:

11.1 The successful bidder is required to sign a formal detailed contract with OIL within a maximum period of 60 days of date of LOA. Until the contract is signed, the LOA **as well as GCC & SCC as prescribed in the Tender**, shall remain binding amongst the two parties. In the event of failure on the part of the successful Bidder to sign the contract, OIL reserves the right to terminate the LOA issued to the successful Bidder and invoke the Performance Security if submitted by the successful Bidder. Such CONTRACTOR shall be put on holiday as per the Banning Policy of OIL [available at www.oil-india.in].

12.0 CLAIMS, TAXES & DUTIES:

12.1 Claims: CONTRACTOR agrees to pay all claims, taxes and fees for equipment, labour, materials, services and supplies to be furnished by it hereunder and agrees to allow no lien or charge resulting from such claims to be fixed upon any property of COMPANY. COMPANY may, at its option, pay and discharge any liens or overdue charges for CONTRACTOR's equipment, labour, materials, services and supplies under this CONTRACT and may thereupon deduct the amount or amounts so paid from any sum due, or thereafter become due, to CONTRACTOR hereunder.

12.2 Notice of claims: CONTRACTOR or COMPANY, as the case may be, shall promptly give the other, notice in writing of any claim made or proceeding commenced for which that party is entitled to indemnification under the CONTRACT. Each party shall confer with the other concerning the defense of any such claims or proceeding, shall permit the other to be represented by counsel in defense thereof, and shall not affect settlement of or compromise any such claim or proceeding without the other's written consent.

12.3 Taxes:

12.3.1 CONTRACTOR, unless specified otherwise in the CONTRACT, shall bear all tax liabilities, duties, Govt. levies etc. including GST and customs duty, Corporate and personnel taxes levied or imposed on the CONTRACTOR on account of payments received by it from the COMPNAY for the work done under this CONTRACT. It shall be the responsibility of CONTRACTOR to submit to the concerned Indian authorities, the returns and all other concerned documents required for this purpose and to comply in all respects with the requirements of the laws in this regard, in time.

12.3.2 Tax levied on CONTRACTOR as per the provisions of Indian Income Tax Act and any other enactment/rules on income derived/payments received under the contract will be on CONTRACTOR's account.

12.3.3 CONTRACTOR shall be responsible for payment of personal taxes, if any, for all the personnel deployed in India by CONTRACTOR.

12.3.4 The CONTRACTOR shall furnish to the COMPANY, if and when called upon to do so, relevant statement of accounts or any other information pertaining to work done under the contract for submitting the same to the Tax authorities, on specific request from them in accordance with provisions under the law. CONTRACTOR shall be responsible for preparing and filing the return of income etc. within the prescribed time limit to the appropriate authority.

12.3.5 Prior to start of operations under the contract, the CONTRACTOR shall furnish the COMPANY with the necessary documents, as asked for by the COMPANY and/ or any other information pertaining to the contract, which may be required to be submitted to the Income Tax authorities at the time of obtaining "No Objection Certificate" for releasing payments to the CONTRACTOR.

12.3.6 Corporate income tax will be deducted at source from the invoice at the specified rate of income tax as per the provisions of Indian Income Tax Act as may be in force from time to time and COMPANY will issue TDS Certificate to the CONTRACTOR as per the provisions of Income Tax Act.

12.3.7 Corporate and personnel taxes on CONTRACTOR shall be the liability of the CONTRACTOR and the COMPANY shall not assume any responsibility on this account.

12.3.8 All local taxes, levies and duties, sales tax, octroi, etc. on purchases and sales made by CONTRACTOR shall be borne by the CONTRACTOR.

12.3.9 CONTRACTOR shall provide all the necessary compliances/ invoice/documents for enabling OIL to avail Input tax credit benefits in respect of the payments of GST which are payable against the CONTRACT. The CONTRACTOR should provide tax invoice issued under GST legislations for the goods and Services (indicating GST). Payment towards the components of GST shall be released by OIL only against appropriate documents i.e.: Tax Invoice/Bill of entry for availing input tax credit (as applicable).

12.3.10 The tax invoices as per above provisions should contain all the particulars as required under the invoicing rules under the GST legislations, including, but

not limited to the following:

i. Name, Address and the GST Registration Number (under the relevant Tax Rules) of the Service Provider (CONTRACTOR)
ii. Name and Address and GST Registration Number of the Service Receiver (Address of OIL)
iii. Description, Classification and Value of taxable service/goods and the amount of applicable tax (CGST, SGST, IGST, UTGST and cess).

12.3.11 In case of imported goods, CONTRACTOR/supplier is required to provide original Bill of Entry or copy of Bill of Entry duly attested by Custom authority.

12.3.12 The CONTRACTOR should mention the Place of supply in the invoice raised under GST Law.

12.3.13 OIL would not accept any invoice without its GSTIN mentioned on the invoice

Note: CONTRACTOR who is under composition levy of the GST legislation would raise Bill of supply instead of Tax invoice, which will have GSTIN of supplier as well as OIL.

12.4 Goods and Services Tax:

12.4.1 "GST" shall mean Goods and Services Tax charged on the supply of material(s) and services. The term "GST" shall be construed to include the Integrated Goods and Services Tax (hereinafter referred to as "IGST") or Central Goods and Services Tax (hereinafter referred to as "CGST") or State Goods and Services Tax (hereinafter referred to as "SGST") or Union Territory Goods and Services Tax (hereinafter referred to as "UTGST") depending upon the import/interstate or intrastate supplies, as the case may be. It shall also mean GST compensation Cess, if applicable.

12.4.2 Where the OIL is entitled to avail the input tax credit of GST:

OIL will reimburse the GST to the Supplier of Goods/Services (Service Provider) at actual against submission of Invoices as per format specified in rules/ regulation of GST to enable OIL to claim input tax credit of GST paid. In case of any variation in the executed quantities, the amount on which the GST is applicable shall be modified in same proportion. Returns and details required to be filled under GST laws &rules should be timely filed by supplier with requisite details.

12.4.3 Where the OIL is not entitled to avail/take the full input tax credit of GST:

OIL will reimburse GST to the Supplier of Goods/Services (Service Provider) at actual against submission of Invoices as per format specified in rules/ regulation of GST subject to the ceiling amount of GST as quoted by the bidder. In case of any variation in the executed quantities (If directed and/or certified by the In-Charge) the ceiling amount on which GST is applicable will be modified on pro-rata basis.

12.4.4 The CONTRACTOR will be under obligation for charging correct rate of tax as prescribed under the respective tax laws. Further the CONTRACTOR shall avail and pass on benefits of all exemptions/concessions available under tax laws. Any error of interpretation of applicability of taxes/ duties by the CONTRACTOR shall be to CONTRACTOR's account.

12.4.5 In case of statutory variation in GST, other than due to change in turnover, payable on the contract value during contract period, the Supplier of Goods/ Services (Service Provider) shall submit a copy of the 'Government Notification' to evidence the rate as applicable on the Bid due date and on the date of revision.

12.4.6 Beyond the contract period, in case OIL is not entitled for input tax credit of GST, then any increase in the rate of GST beyond the contractual delivery period shall be to Service provider's account whereas any decrease in the rate GST shall be passed on to the OIL.

12.4.7 Beyond the contract period, in case OIL is entitled for input tax credit of GST, then statutory variation in applicable GST on supply and on incidental services, shall be to OIL's account.

12.4.8 Claim for payment of GST/ Statutory variation, should be raised within two [02] months from the date of issue of 'Government Notification' for payment of differential (in %) GST, otherwise claim in respect of above shall not be entertained for payment of arrears.

12.4.9 The base date for the purpose of applying statutory variation shall be the Bid Opening Date.

12.4.10 The CONTRACTOR will be liable to ensure to have registered with the respective tax authorities, wherever applicable and to submit self- attested copy of such registration certificate(s) and the CONTRACTOR will be responsible for procurement of material in its own registration (GSTIN) and also to issue its own Road Permit/ E-way Bill, if applicable etc.

12.5 Anti-profiteering clause

12.5.1 As per Clause 171 of GST Act it is mandatory to pass on the benefit due to reduction in rate of tax or from input tax credit to the consumer by way of commensurate reduction in prices.

12.5.2 In case rating of Contractor is negative/blacklisted after award of work for supply of goods/services, then OIL shall not be obligated or liable to pay or reimburse GST to such vendor/Contractor and shall also be entitled to deduct/recover such GST along with all penalties/interest, if any, incurred by OIL.

13.0 CUSTOMS DUTY, IF APPLICABLE:

13.1.1 CONTRACTOR shall be responsible to import the equipment/tools/spares/ consumables etc. required for execution of the contract. The CONTRACTOR shall undertake to complete all the formalities as required under the Customs

Act/Foreign Trade Policy (FTP) and indemnify OIL from all the liabilities of Customs in this regard.

13.1.2 CONTRACTOR will be solely responsible for payment of all applicable Customs Duty and to comply all Rules and Regulations. Total Contract Price/Value is inclusive of all Customs Duty, if not mentioned otherwise elsewhere in the Contract.

13.1.3 Above clause is to be read with Customs Duty Clause in SCC, if any.

14.0 INSURANCE:

14.1 The Contractor shall at its own expense arrange secure and maintain insurance with reputed insurance companies to the satisfaction of the Company as follows:

a) The Contractor shall, at his own expense, arrange appropriate comprehensive insurance (All-risks insurance cover with suitable limit as per International Standard) to cover all risks assumed by the Contractor under this Contract in respect of its equipment, tools including but not limited to well equipment & tools, any other belongings and personnel during the entire period of this Contract including extensions thereof.

b) The Contractor shall also carry adequate insurance cover against damage/loss to third party/person/property.

c) The Contractor at his cost shall arrange, secure and maintain insurance as may be necessary and to its full value for all such amounts to protect the works-in-progress from time to time and the interest of Company against all risks as detailed herein subject to the satisfaction of the Company and irrespective of acceptance of the Work.

d) The responsibility to maintain adequate insurance coverage at all times during the period of the Contract shall be that of the Contractor alone and OIL will have no liability on this account. The Contractor's failure in this regard shall not relieve him of any of his responsibilities & obligations under the Contract.

e) All costs on account of insurance liabilities covered under the Contract will be to the Contractor's account.

14.2 Deductible:

The Contractor shall take policy with minimum deductible as per IRDA prescribed for the policy(ies) that portion of any loss not covered by the insurance provided for in this article solely by reason of a deductible provision in such insurance policies that shall be the account of the Contractor.

14.3 The Contractor shall require all of its sub-Contractor to provide such of the foregoing insurance coverage as Contractor is obliged to provide under this Contract and inform the Company about the coverage prior to the commencement of agreements with its sub-Contractors.

14.4 All insurance taken out by Contractor or their sub-contractor shall be endorsed to provide that the underwriters waive their rights of recourse on the Company and to the extent of the liabilities assumed by Contractor under this Contract.

14.5 Waiver of subrogation:

All insurance policies of the Contractor and its Sub-Contractor with respect to the operations conducted hereunder as set forth in clauses hereof, shall be endorsed by the underwriter in accordance with the following policy wording:
"The insurers hereby waive their rights of subrogation against Oil India Limited or any of their employees or their affiliates and assignees."

14.6 Loss Payee Clause:

The Insurance Policies should mention the following in Loss Payee Clause:

"In respect of Insurance claims in which OIL's interest is involved, written consent of OIL will be required".

14.7 Additional Assured:

"Oil India Limited" is to be included as Additional Assured in the Insurance Policies (except in case of Workmen's Compensation/Employer's Liability insurance).

14.8 Certificate of Insurance:

Before commencing performance of the CONTRACT, CONTRACTOR shall furnish OIL with certificates of insurance indicating:

a) Kinds and amounts of insurance as required herein.
b) Details of coverage
c) Insurance corporation or companies carrying the aforesaid coverage
d) Effective and expiry dates of policies
e) That OIL shall be given thirty (30) days written advance notice of any material change in the policy
f) Waiver of subrogation endorsement has been attached to all policies.

Note: An undertaking by the service provider has to be mandatorily provided during the Mobilisation time that they have taken all the Insurance provisions as per the contract and as the Law and Insurance Regulation.

14.9 If any of the above policy expire or/are cancelled during the term of this CONTRACT and CONTRACTOR fails for any reason to renew such policies, OIL in no case shall be liable for any loss/damage occurred during the term when the policy is not effective. Furthermore, a penal interest @ 1% of the Total contract value shall be charged towards not fulfilling of the contractual obligations. Notwithstanding above, should there be a lapse in any insurance required to be taken by the Contractor for any reason whatsoever, loss/damage

claims resulting therefrom shall be to the sole account of Contractor.

14.10 The Contractor on demand from the Company shall furnish the Insurance Policy having detail terms and conditions, with respect to any Certificate of Insurance submitted to the Company.

14.11 On account payment to OIL in case of claim

In case any loss or damage happen and where Company's interest is involved, The Company reserves the right to recover the loss amount from the Contractor prior to final settlement of the claim.

14.12 The CONTRACTOR shall at all time during the currency of the contract provide, pay for and maintain the following insurance amongst others:

~~i)~~ **Employees Compensation (EC) Policy or Employer's Liability Policy insurance** as required by the laws of the country of origin of the employee.

ii) **Commercial General Liability Insurance:** Commercial General Public Liability Insurance covering liabilities including contractual liability for bodily injury, including death of persons, and liabilities for damage of property. This insurance must cover all operations of CONTRACTOR required to fulfil the provisions under this Contract.

iii) **Comprehensive General Automotive Liability:** Automobile Public Liability Insurance covering owned, non-owned and hired automobiles used in the performance of the work hereunder, with bodily injury limits and property damage limits shall be governed by Indian Insurance Regulations.

iv) **Carrier's Legal Liability Insurance:** Carrier's Legal Liability Insurance in respect of **all CONTRACTOR's items** to be transported by the CONTRACTOR to the site of work, for physical loss or destruction of or damage to goods or merchandise, while in transit.

v) **Public Liability Act Policy:** Public Liability Act Policy, if applicable, covering the statutory liability arising out of accidents occurring during the currency of the contract due to handling hazardous substances as provided in the Public Liability Insurance Act 1991 and the Rules framed there under. In case there is no usage of hazardous substance, the Contractor should provide an undertaking during mobilization as per format enclosed below regarding non-inclusion of hazardous substances within the ambit of the contract.

vi) **Pradhan Mantri Suraksha Bima Yojana (PMSBY) and Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY):** CONTRACTOR shall, ensure that all his/its personnel deployed under this contract have obtained additional insurance coverage under the Pradhan Mantri Suraksha Bima Yojana (PMSBY) and Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY) through the participating banks and submit the proof of such insurance coverage to the satisfaction of OIL.

Note: This will be applicable for only Indian citizens and within the prescribed age group defined under the scheme for the insurance coverage.

vii) Any other insurance policy set forth in the SCC

15.0 LIABILITY:

15.1 Except as otherwise expressly provided herein, neither COMPANY nor its servants, agents, nominees, CONTRACTORs, or sub- CONTRACTORs shall have any liability or responsibility whatsoever to whomsoever for loss of or damage to the equipment and/or loss of or damage to the property of the CONTRACTOR and/or their CONTRACTORs or sub-CONTRACTORs, irrespective of how such loss or damage is caused and even if caused by the negligence of COMPANY and/or its servants, agent, nominees, assignees, CONTRACTORs and sub-CONTRACTORs.

15.2 The CONTRACTOR shall protect, defend, indemnify and hold harmless COMPANY from and against such loss or damage and any suit, claim or expense resulting there from. Neither COMPANY nor its servants, agents, nominees, assignees, CONTRACTORs, sub-CONTRACTORs shall have any liability or responsibility whatsoever for injury to, illness, or death of any employee of the CONTRACTOR and/or of its CONTRACTORs or sub-CONTRACTOR irrespective of how such injury, illness or death is caused and even if caused by the negligence of COMPANY and/or its servants, agents nominees, assignees, CONTRACTORs and sub-CONTRACTORs. CONTRACTOR shall protect, defend, indemnify and hold harmless COMPANY from and against such liabilities and any suit, claim or expense resulting there from.

15.3 The CONTRACTOR hereby agrees to waive its right of recourse and further agrees to cause its underwriters to waive their right of subrogation against COMPANY and/or its underwriters, servants, agents, nominees, assignees, CONTRACTORs and sub- CONTRACTORs for loss or damage to the equipment of the CONTRACTOR and/or its sub-CONTRACTORs and/or their employees when such loss or damage or liabilities arises out of or in connection with the performance of the contract limited to the CONTRACTOR's liabilities agreed to under this Contract.

15.4 The CONTRACTOR hereby further agrees to waive its right of recourse and agrees to cause its underwriters to waive their right of subrogation against COMPANY and/or its underwriters, servants, agents, nominees, assignees, CONTRACTORs and sub-CONTRACTORs for injury to, illness or death of any employee of the CONTRACTOR and of its CONTRACTORs, sub-CONTRACTORs and/or their employees when such injury, illness or death arises out of or in connection with the performance of the contract limited to the CONTRACTOR's liabilities agreed to under this Contract.

15.5 Except as otherwise expressly provided herein, neither CONTRACTOR nor its servants, agents, nominees, CONTRACTORs or sub- CONTRACTORs shall have any liability or responsibility whatsoever to whomsoever for loss of or damage to the equipment and/or loss or damage to the property of the COMPANY and/or

their CONTRACTORs or sub-CONTRACTORs, irrespective of how such loss or damage is caused and even if caused by the negligence of CONTRACTOR and/or its servants, agents, nominees, assignees, CONTRACTORs and sub-CONTRACTORs. The COMPANY shall protect, defend, indemnify and hold harmless CONTRACTOR from and against such loss or damage and any suit, claim or expense resulting there from.

15.6 Except as otherwise expressly provided herein, neither CONTRACTOR nor its servants, agents, nominees, assignees, CONTRACTORs, sub- CONTRACTORs shall have any liability or responsibility whatsoever to whomsoever for injury or illness, or death of any employee of the COMPANY and/or of its CONTRACTORs or sub-CONTRACTORs irrespective of how such injury, illness or death is caused and even if caused by the negligence of CONTRACTOR and/or its servants, agents, nominees, assignees, CONTRACTORs and sub-CONTRACTORs. COMPANY shall protect, defend indemnify and hold harmless CONTRACTOR from and against such liabilities and any suit, claim or expense resulting there from.

15.7 The COMPANY agrees to waive its right of recourse and further agrees to cause its underwriters to waive their right of subrogation against CONTRACTOR and/or its underwriters, servants, agents, nominees, assignees, CONTRACTORs and sub-CONTRACTORs for loss or damage to the equipment of COMPANY and/or its CONTRACTORs or sub-CONTRACTORs when such loss or damage or liabilities arises out of or in connection with the performance of the contract.

15.8 The COMPANY hereby further agrees to waive its right of recourse and agrees to cause it underwriters to waive their right of subrogation against CONTRACTOR and/or its underwriters, servants, agents, nominees, assignees, CONTRACTORs and sub- CONTRACTORs for injury to, illness or death of any employee of the COMPANY and of its CONTRACTORs, sub-CONTRACTORs and/or their employees when such injury, illness or death arises out of or in connection with the performance of the Contract.

16.0 <u>LIMITATION OF LIABILITY</u>:

a) Notwithstanding any other provisions herein to the contrary, except only in cases of Wilful misconduct and/or criminal acts and/or criminal negligence, neither the CONTRACTOR nor the COMPANY (OIL) shall be liable to the other, whether in Contract, tort, or otherwise, for any consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided however that this exclusion shall not apply to any obligation of the CONTRACTOR to pay Liquidated Damages to the COMPANY and/or COMPANY's right to forfeit the Performance Bank Guarantee(s) in terms of the contract.

b) Notwithstanding any other provisions incorporated elsewhere in the contract, the aggregate liability of the CONTRACTOR in respect of this contract, whether under Contract, in tort or otherwise, shall not exceed 100% of the Contract Price (if not specified otherwise in SCC), provided however that this limitation shall not apply to the cost of repairing or replacing defective equipment by the

CONTRACTOR, or to any obligation of the CONTRACTOR to indemnify the COMPANY with respect to Intellectual Property Rights.

c) COMPANY shall indemnify and keep indemnified CONTRACTOR harmless from and against any and all claims, costs, losses and liabilities in excess of the aggregate liability amount in terms of clause (b) above.

17.0 LIABILITY OF UNION GOVERNMENT OF INDIA:

It is expressly understood and agreed upon by and between CONTRACTOR and OIL INDIA LIMITED, and that OIL INDIA LIMITED is entering into this agreement solely on its own behalf and not on behalf of any other person or entity. In particular, it is expressly understood and agreed that Union of India is not a party to this agreement and has no liabilities, obligations or rights, whatsoever hereunder. It is expressly understood and agreed that OIL INDIA LIMITED is an independent legal entity with power and authority to enter into contracts solely on its own behalf under the applicable laws of India and general principles of the Contract law. The bidder/ CONTRACTOR expressly agrees, acknowledges and understands that OIL INDIA LIMITED is not an agent, representative or delegate of the Union of India. It is further understood and agreed that Union of India is not and shall not be liable for any acts, omissions, commissions, breaches or other wrongs arising out of the contract. Accordingly, bidder/ CONTRACTOR hereby expressly waives, releases and foregoes any and all actions or claims, including cross claims, impleader claims or counter claims against the Union of India arising out of this contract and covenants not to sue the Union of India as to any manner, claim, cause of action or thing whatsoever arising of or under this agreement.

18.0 CONSEQUENTIAL DAMAGE:

Except as otherwise expressly provided, neither party shall be liable to the other for special, indirect or consequential damages resulting from or arising out of the contract, including but without limitation, to loss or profit or business interruptions, howsoever caused and regardless of whether such loss or damage was caused by the negligence (either sole or concurrent) of either party, its employees, agents or sub- CONTRACTORs.

19.0 RISK PURCHASE:

In the event, CONTRACTOR's failure to provide the services as per the Contractual scope, terms and conditions, COMPANY (OIL) reserves the right to hire the services from any other source at the CONTRACTOR's risk & cost and the difference in cost shall be borne by the CONTRACTOR. Further, OIL shall retain the right of forfeiture of Performance Bank Guarantee and any other action as deemed fit. In certain operational situations OIL reserves the right to take over the site including the service equipment at the risk and cost of the CONTRACTOR.

20.0 INDEMNITY AGREEMENT:

20.1 Except as provided hereof CONTRACTOR agrees to protect, defend, indemnify

and hold COMPANY harmless from and against all claims, suits, demands and causes of action, liabilities, expenses, cost, liens and judgments of every kind and character, without limit, which may arise in favour of CONTRACTOR's employees, agents, CONTRACTORs and sub-CONTRACTORs or their employees or in favour of any third party(is) on account of bodily injury or death, or damage to personnel/property as a result of the operations contemplated hereby, regardless of whether or not said claims, demands or causes of action arise out of the negligence or otherwise, in whole or in part or other faults.

20.2 Except as provided hereof COMPANY agrees to protect, defend, indemnify and hold CONTRACTOR harmless from and against all claims, suits, demands and causes of action, liabilities, expenses, cost, liens and judgments of every kind and character, without limit, which may arise in favour of COMPANY's employees, agents, CONTRACTORs and sub-CONTRACTORs or their employees or in favour of any third party(is) on account of bodily injury or death, or damage to personnel/property as a result of the operations contemplated hereby, regardless of whether or not said claims, demands or causes of action arise out of the negligence or otherwise, in whole or in part or other faults.

21.0 INDEMNITY APPLICATION:

The indemnities given herein above, whether given by COMPANY or CONTRACTOR shall be without regard to fault or to the negligence of either party even though said loss, damage, liability, claim, demand, expense, cost or cause of action may be caused, occasioned by or contributed to by the negligence, either sole or concurrent of either party.

22.0 ROYALTY PATENTS:

Each party shall hold harmless and indemnify the other from and against all claim and proceedings for or on account of any patent rights, design, trade mark or other protected rights arising from any use of materials, equipment, processes, inventions and methods, which have not been imposed on the attending party by the terms of the contract or the specifications forming part thereof.

23.0 WARRANTY AND REMEDY OF DEFECTS:

23.1 CONTRACTOR warrants that they shall perform the work in a first class, workmanlike, and professional manner and in accordance with their highest degree of quality, efficiency and current state of the art technology/industry practices and in conformity with all specifications, standards and drawings set forth or referred to in the Terms of Reference and with instructions and guidance, which COMPANY may, from time to time, furnish to the CONTRACTOR.

23.2 Should COMPANY discover at any time during the tenure of the Contract or till the Unit/equipment/tools are demobilised from site or base camp (if applicable) that the work does not conform to the foregoing warranty, CONTRACTOR shall after receipt of notice from COMPANY, promptly perform any and all corrective

work required to make the services conform to the Warranty. Such corrective Work shall be performed entirely at CONTRACTOR's own expenses. If such corrective Work is not performed within a reasonable time, the COMPANY, at its option may have such remedial Work performed by others and charge the cost thereof to CONTRACTOR subject to a maximum of the contract value payable for the defective work which needs corrective action which the CONTRACTOR must pay promptly. In case CONTRACTOR fails to perform remedial work, or pay promptly in respect thereof, the performance security shall be forfeited.

24.0 SUBCONTRACTING/ASSIGNMENT:

24.1 CONTRACTOR shall not subcontract, transfer or assign the contract, or any part under this contract, to any third party(ies). Except for the main services under this contract, CONTRACTOR may sub-contract the petty support services subject to COMPANY's prior written approval. However, CONTRACTOR shall be fully responsible for complete execution and performance of the services under the Contract.

24.2 Consequent upon of placement of contract, if successful bidder(s)(other than Micro/Small Enterprise) is procuring materials/services from their sub-vendor, who is a Micro or Small Enterprise registered with District Industry Centers or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts and Handloom or any other body specified by Ministry of MSME with prior consent in writing of the purchasing authority/Engineer in Charge the details like Name, Registration No., Address, Contact No., details of material and value of procurement made, etc. of such enterprises shall be furnished by the CONTRACTOR at the time of submission of invoice/bill.

25.0 RECORDS, REPORTS AND INSPECTION:

The CONTRACTOR shall, at all times during the currency of the contract, permit the COMPANY and its authorized employees and representatives to inspect all the Work performed and to witness and check all the measurements and tests made in connection with the said work. The CONTRACTOR shall keep an authentic, accurate history and logs including safety records of each service item with major items consumed, which shall be open at all reasonable times for inspection by the COMPANY's designated representatives and its authorized employees. The CONTRACTOR shall provide the COMPANY's designated representatives with a daily written report, on form prescribed by the COMPANY showing details of operations during the preceding 24 hours and any other information related to the said services requested by the COMPANY whenever so requested. The CONTRACTOR shall not, without COMPANY's written consent allow any third person(s) access to the said information or give out to any third person information in connection therewith.

26.0 CONFIDENTIALITY, USE OF CONTRACT DOCUMENTS AND INFORMATION:

26.1 CONTRACTOR shall not, without COMPANY's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing

pattern, sample or information furnished by or on behalf of COMPANY in connection therewith, to any person other than a person employed by CONTRACTOR in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only, as may be necessary for purposes of such performance with prior permission from COMPANY. However, nothing hereinabove contained shall deprive the CONTRACTOR of the right to use or disclose any information which is:

a) possessed by the CONTRACTOR, as evidenced by the CONTRACTOR's written records, before receipt thereof from the COMPANY which however the CONTRACTOR shall immediately inform to COMPANY; or

b) required to be disclosed by the CONTRACTOR pursuant to an order of a court of competent jurisdiction or other governmental agency having the power to order such disclosure, provided the CONTRACTOR uses its best efforts to provide timely notice to COMPANY of such order to permit COMPANY an opportunity to contest such order subject to prior permission from COMPANY.

26.2 CONTRACTOR shall not, without COMPANY's prior written consent, make use of any document or information except for purposes of performing the contract.

26.3 Any document supplied to the CONTRACTOR in relation to the contract other than the Contract itself remain the property of COMPANY and shall be returned (in all copies) to COMPANY on completion of CONTRACTOR's performance under the Contract if so required by COMPANY.

26.4 During the currency of the Contract, COMPANY and its employees, agents, other CONTRACTORs, sub-CONTRACTORs (of any tier) and their employees etc. may be exposed to certain confidential information and data of the CONTRACTOR. Such information and data held by the COMPANY, its employees, agents, other CONTRACTORs, sub-CONTRACTORs (of any tier) and their employees in the strictest Confidence and shall not be disclosed to any other party except on a need to know basis.

However, the above obligation shall not extend to information which:

i) is, at the time of disclosure, known to the public which CONTRACTOR shall immediately inform COMPANY;

ii) is lawfully becomes at a later date known to the public through no fault of CONTRACTOR subject to CONTRACTOR's undertaking that no information has been divulged by them to the public;

iii) is lawfully possessed by CONTRACTOR before receipt thereof from COMPANY which should be immediately informed to COMPANY;

iv) is developed by CONTRACTOR independently of the information disclosed by COMPANY which should be shared with the COMPANY;

v) CONTRACTOR is required to produce before competent authorities or by court order subject to prior permission from COMPANY;

27.0 REMUNERATION AND TERMS OF PAYMENT:

27.1 COMPANY shall pay to the CONTRACTOR during the term of the Contract the amount due from time to time calculated according to the rates of payment set and in accordance with other provisions hereof. No other payments shall be due from COMPANY unless specifically provided for in the Contract. All payments will be made in accordance with the terms hereinafter described.

27.2 Request for payment/part payment to third party i.e. other than the party on whom the contract has been awarded will not be entertained by OIL under any circumstances.

27.3 MANNER OF PAYMENT: All payments due by COMPANY to CONTRACTOR hereunder shall be made at CONTRACTOR's designated bank. Bank charges, if any will be on account of the CONTRACTOR.

27.4 Payment of any invoices shall not prejudice the right of COMPANY to question the validity of any charges therein, provided COMPANY within one year after the date of payment shall make and deliver to CONTRACTOR written notice of objection to any item or items the validity of which COMPANY questions.

27.5 INVOICES: Mobilization charges will be invoiced only upon completion of mobilization as certified by COMPANY representative and CONTRACTOR is ready at site for starting the services/ operation. Payment of mobilization charges shall be made within 45 days following the date of receipt of undisputed invoices by COMPANY.

27.6 CONTRACTOR shall send invoice to COMPANY on the day following the end of each month for all daily or monthly charges due to the CONTRACTOR.

27.7 CONTRACTOR will submit 02 (Two) sets of all invoices duly super scribed `Original' and `copy' as applicable to the COMPANY for processing payment. Separate invoices for the charges payable under the contract shall be submitted by the CONTRACTOR for foreign currency and Indian currency.

27.8 Payment of monthly invoices, if undisputed, shall be made within 30 days following the date of receipt of invoice by COMPANY.

27.9 COMPANY shall within 30 days of receipt of the invoice notify the CONTRACTOR of any item under dispute, specifying the reasons thereof, in which event, payment of the disputed amount may be withheld until settlement of the dispute, but payment shall be made of any undisputed portion on or before the due date. This will not prejudice the COMPANY's right to question the validity of the payment at a later date as envisaged in clause no. **27.4** above.

27.10 The acceptance by CONTRACTOR of part payment on any billing not paid on or before the due date shall not be deemed a waiver of CONTRACTOR's rights in any other billing, the payment of which may then or thereafter be due.

27.11 Payment of Final demobilization charges shall be made if applicable within 45 days on receipt of invoice by COMPANY accompanied by the following

documents from the CONTRACTOR:

a) Audited account up to completion of the Contract.

b) Tax audit report for the above period as required under the Indian Tax Laws.

c) Documentary evidence regarding the submission of returns and payment to taxes for the expatriate personnel engaged by the CONTRACTOR or by its sub-CONTRACTOR.

d) Proof of re-export of all items including the unutilized spares and consumables (excepting consumables consumed during the contract period) and also cancellation of re-export bond if any.

e) Any other documents as required by applicable Indian Laws.

In case, no demobilization charges are payable, the documents mentioned above will have to be submitted by the CONTRACTOR before release of the final payment by the COMPANY. A certificate from Chartered Accountant on (a), (b) & (c) above will suffice

27.12 CONTRACTOR shall maintain complete and correct records of all information on which CONTRACTOR's invoice are based upto 02 (two) years from the date of last invoice. Such records shall be required for making appropriate adjustments or payments by either party in case of subsequent audit query/objection.

28.0 PAYMENT OF COMMISSION/FEE/REMUNERATION OF INDIAN AGENT/CONSULTANT/REPRESENTATIVE/RETAINER/ASSOCIATE OF FOREIGN PRINCIPAL (APPLICABLE IN ICB TENDERS ONLY):

The Commission/Fee/remuneration of the Indian agent/consultant/associate/ representative/retainer, if any, will be paid within 30 days of the payment of invoice made to the CONTRACTOR, The amount of commission/fee/remuneration as a percentage of invoice value as per contract provisions will be deducted by COMPANY/OIL from the monthly invoices of the CONTRACTOR and paid to the Indian agent/consultant/representative/ retainer/associate.

29.0 DETAILS OF STATUTORY PAYMENTS LIKE EPF AND ESI, ETC:

Wherever applicable, the CONTRACTOR (including those engaging 'International Workers') shall have itself registered under Employees' Provident Fund and Miscellaneous Provisions Act, 1952 and Employees' State Insurance Act, 1948 and follow the relevant statutory provisions including Rules made there-under concerning contractual workers.

The CONTRACTOR shall be required to submit the following documents/details to the Corporation:

(i) Copy of PF-ECR duly stamped by the designated Bank, alongwith a print of the

digitally signed PDF data sheet of the ECR, as proof of payment, each month, details of this PDF data sheet shall be verified by the appropriate authority (i.e. Payment Making Authority) in the COMPANY from the official website of EPFO (http://www.epfindia.gov.in).

(ii) (a) Copy of the online challan endorsed/stamped by the designated bank as proof of receipt of payment towards monthly contribution of ESI contribution.

(b) Copy of Return of contribution in respect of ESI for each contribution period of the six months i.e. for the contribution period ended 30th Sept and the contribution period ended 31st March.

(iii) As an Annexure to each EPF-ECR and ESI Challan(s), CONTRACTOR shall also furnish the following Certificates:

1) The furnished information is correct to the best of his knowledge.

2) In case any discrepancies or irregularities is /are noticed in this undertaking, then OIL is free to inform the PF/ESIC Authorities.

3) Before the completion of contract, CONTRACTOR shall serve one-month notice to all his contractual workers, informing that their services will be terminated.

4) Within one month on completion/expiry of the contract, CONTRACTOR shall pay all the dues/ terminal dues such as leave with wages, bonus (if applicable), Gratuity (if applicable), to all his contractual workmen, failing which CONTRACTOR's Bank Guarantee/ Security Deposit may be withheld by OIL.

COMPANY may verify the deposit of statutory contribution made by the CONTRACTORs with the EPFO/ESI authorities, where deemed necessary. However, before making payment of the last bill/invoice of the CONTRACTOR, the COMPANY may verify the details/status of the payment towards EPF/ESI made by the CONTRACTOR from the authorities/official website of EPF/ESI (i.e. http://www.epfindia.gov.in and http://www.esic.in). In case the information furnished by the CONTRACTOR is found to be incorrect the COMPANY shall take appropriate action against the CONTRACTOR in accordance with law.

The CONTRACTOR agrees and undertakes to indemnify OIL for any liabilities arising out of declarations made by him in future on violation or provisions of the EPF Act 1952 and ESI Act 1948.

30.0 TIMELY MOBILIZATION AND LIQUIDATED DAMAGES:

a) Time is the essence of this Contract. If the CONTRACTOR fails to mobilize and deploy the required manpower/equipment and/or fails to commence the operation within the period specified as specified under mobilization clause under SCC, OIL shall have, without prejudice to any other right or remedy in law or contract including sub clause (b) below, the right to terminate the contract.

b) If the contractor is unable to mobilize/deploy and commence the operation within the period specified in sub clause (a) above, it may request OIL for extension of the time with unconditionally agreeing for levy and recovery of LD. Upon receipt of such a request, OIL may at its discretion, extend the period of mobilization and shall recover from the CONTRACTOR, as an ascertained and agreed Liquidated Damages, a sum equivalent to @ 0.5% of contract value including mobilization cost, per week or part thereof of delay subject to maximum of 7.5% of the Contract Price.

c) The parties agree that the sum specified above is not a penalty but a genuine pre-estimate of the loss/damage which will be suffered by OIL on account of delay on the part of the CONTRACTOR and the said amount will be payable without proof of actual loss or damage caused by such delay.

d) LD will be calculated on the basis of Total Contract value [(if not specified otherwise in SCC] excluding duties and taxes, where such duties/taxes have been shown separately in the contract. However, the applicable GST on the LD shall have to be borne by the CONTRACTOR. Accordingly, the liquidated damages shall be recovered from the CONTRACTOR along with applicable GST.

31.0 FORCE MAJEURE:

In the event of either party being rendered unable by `Force Majeure' to perform any obligation required to be performed by them under the contract, the relative obligation of the party affected by such `Force Majeure' will stand suspended as provided herein. The term force majeure as employed herein shall mean Acts of God such as earthquake, hurricane, typhoon, flood, volcanic activity etc.; war (declared /undeclared); riot, revolts, rebellion, terrorism, sabotage by persons other than the CONTRACTOR's Personnel; fires, explosions, ionising radiation or contamination by radio-activity or noxious gas, if not caused by CONTRACTOR's fault; declared epidemic or disaster; acts and regulations of respective Govt. of the two parties, namely the COMPANY and the CONTRACTOR and civil commotions, lockout not attributable to the CONTRACTOR.

Upon occurrence of such cause, the party claiming that it has been rendered unable as aforesaid thereby, shall notify the other party in writing within 72 (Seventy Two) hours of the alleged beginning and ending thereof, giving full particulars and satisfactory evidence in support of its claim.

Should 'force majeure' condition as stated above occurs and should the same be notified within 72 (Seventy two) hours after its occurrence the `force majeure' rate (if specified in the SCC of the Contract) shall apply for the first 15 (fifteen) days for each such occasion.

Either party shall have the right to terminate the Contract if such `force majeure' conditions continue beyond successive 60 (Sixty) days [or exclusively mentioned in the SCC of the Contract] with prior written notice of 15 days, provided termination of the Contract does not result into safety hazard to the life and

property on account of withdrawal of operations or the operation is at critical stage. COMPANY shall have the absolute right to decide whether any safety hazard exists or operation is at critical position and decision of the COMPANY shall binding upon the CONTRACTOR.

Should either party decide not to terminate the Contract even under such condition, no payment would apply after expiry of fifteen (15) days force majeure period**.** [or exclusively mentioned in the SCC of the Contract]

Time for performance of the relative obligation suspended by Force Majeure shall then stand extended by the period for which such cause lasts.

If however, relative obligation of the party affected by such 'Force Majeure' is limited to part of the obligation(s), the contract shall not be terminated and the parties shall continue to perform their respective obligations, which are not affected by the 'force majeure' condition, provided the obligations affected by the 'force majeure' do not preclude the parties in performing the obligations not affected by such conditions.

32.0 SET-OFF:

Any sum of money due and payable to the CONTRACTOR (including Performance Security refundable to them) under this or any other Contract, whether in progress or in future, may be appropriated by OIL and set-off against any claim of OIL (or such other person or persons contracting through OIL) for payment of a sum of money arising out of this contract or under any other contract made by the CONTRACTOR with OIL (or such other person or persons contracting through OIL).

33.0 WITHHOLDING:

COMPANY may withhold or nullify the whole or any part of the amount due to CONTRACTOR, after informing the CONTRACTOR of the reasons in writing, on account of subsequently discovered evidence in order to protect COMPANY from loss on account of:

33.1 For non-completion of jobs assigned as per Scope of Work/Terms of Reference.

33.2 Defective work not remedied by CONTRACTOR.

33.3 Claims by COMPANY's recognized sub-CONTRACTOR of CONTRACTOR or others filed or on the basis of reasonable evidence indicating probable filing of such claims against CONTRACTOR.

33.4 Failure of CONTRACTOR to pay or provide for the payment of salaries/ wages, contributions, taxes or enforced savings with-held from wages etc with respect to personnel engaged by the CONTRACTOR.

33.5 Failure of CONTRACTOR to pay the cost of removal of unnecessary debris, materials, tools, or machinery.

33.6 Any failure by CONTRACTOR to fully reimburse COMPANY under any of the

indemnification provisions of this Contract. If, during the progress of the work CONTRACTOR shall allow any indebtedness to accrue for which CONTRACTOR, under any circumstances in the opinion of COMPANY, may be primarily or contingently liable or ultimately responsible and CONTRACTOR shall, within five days after demand is made by COMPANY, fail to pay and discharge such indebtedness, then COMPANY may during the period for which such indebtedness shall remain unpaid, with-hold from the amounts due to CONTRACTOR, a sum equal to the amount of such unpaid indebtedness.

33.7 Withholding will also be effected on account of the following:

i) Order issued by a Court of Law or statutory authority in India.

ii) Income-tax deductible at source according to law prevalent from time to time in the country.

iii) Any obligation of CONTRACTOR which by any law prevalent from time to time to be discharged by COMPANY in the event of CONTRACTOR's failure to adhere to such laws.

iv) Any payment due from CONTRACTOR in respect of unauthorised imports.

When all the above grounds for withholding payments are removed, payment shall thereafter be made for amounts so with-held.

33.8 COMPANY reserves the right to disburse or deposit the amount so withheld to the concerned person(s) or agency or government authority, as the case may be, besides nullifying such amount on account of loss suffered by the COMPANY against **33.2, 33.3, 33.6** & **33.7** above.

34.0 APPLICABLE LAWS:

The Contract shall be deemed to be a Contract made under, governed by and construed in accordance with the laws of India for the time being in force and shall be subject to the sole and exclusive jurisdiction of Courts situated in Dibrugarh (or the Place where the contract is executed) and Principal Bench of Gauhati High Court (or the High Court under whose territorial jurisdiction, the place of execution of contract falls).

This Agreement including all matter connected with this Agreement, shall be governed by the laws of India (both substantive and procedural) for the time being in force and shall be subject to exclusive jurisdiction of Courts, mentioned hereinabove. Foreign companies, operating in India or entering into Joint ventures in India, shall also be governed by the laws of India and shall be subject to sole and exclusive jurisdiction of above Courts.

The CONTRACTOR shall ensure full compliance of various Indian Laws and Statutory Regulations, as stated below, to the extent applicable, as stated below, but not limited to, in force from time to time and obtain necessary permits/ licenses etc. from appropriate authorities for conducting operations under the Contract:

a) The Mines Act 1952
b) The Oil Mines Regulations, 1984
c) The Employees' Compensation Act, 1923
d) The Code of Wages, 2019
e) The Contract Labour (Regulation & Abolition) Act, 1970 and the rules framed there under
f) The Employees Pension Scheme, 1995
g) The Interstate Migrant Workmen Act., 1979 (Regulation of employment and conditions of service).
h) The Employees Provident Fund and Miscellaneous Provisions Act, 1952
i) Goods and Service Tax Act
j) Customs & Excise Act & Rules
k) Factories Act, 1948
l) Industrial Disputes Act, 1947
m) Payment of Gratuity Act, 1972
n) Environmental Protection Act, 1986 & other pollution control Acts.

Note: The above Acts are only indicative and not exhaustive. The Acts shall include the rules and regulations framed thereunder.

35.0 <u>LABOUR LAWS</u>:

i) CONTRACTOR shall comply with the provisions of various labour related laws, including but not limited to the Code of Wages, 2019, Employee Provident Fund and Miscellaneous Provisions Act 1952, COMPANY's Liability Act 1938, Employees' Compensation Act 1923, Industrial Disputes Act 1947, the Maternity Benefit Act 1961 and Contract Labour (Regulation and Abolition) Act 1970, Employment of Children Act 1938, Employees' State Insurance Act, 1948 or any modifications/amendment thereof or any other law relating thereto and rules made there under from time to time.

ii) No Labour below the age of eighteen [18] years shall be employed on the work.

iii) CONTRACTOR shall not pay less than what is provided under law to labourers engaged by him on the work.

iv) CONTRACTOR shall at his expense comply with all labour laws and keep the COMPANY indemnified in respect thereof.

v) CONTRACTOR shall pay equal wages for men and women in accordance with applicable Labour laws.

vi) If the CONTRACTOR is covered under the Contract Labour (Regulation and Abolition) Act, he shall obtain a license from licensing authority [i.e. office of the Labour Commissioner] by payment of necessary prescribed fee and the deposit, if any, before starting the work under the Contract. Such fee/deposit shall be borne by the CONTRACTOR.

vii) CONTRACTOR must obtain the PF Code from the concerned PF Authority under Employees Provident Fund and Miscellaneous Provisions Act, 1952. Similarly,

CONTRACTOR must obtain ESI Code under Employees State Insurance Act.

viii) CONTRACTOR being the employer of the labours/personnel to be engaged under the contract shall be liable to pay gratuity to the labours/personnel as per the provision of the Payment of Gratuity Act, 1972 and accordingly, shall keep the COMPANY indemnified in respect thereof. If however, COMPANY requires to pay gratuity to such labour(s) as per the direction of the competent authority under the Act, COMPANY shall recover such amount from the outstanding dues payable to the CONTRACTOR under the contract or any other contract(s).

ix) CONTRACTOR shall furnish to Engineer in Charge the distribution return of the number & description, by trades of the work people employed on the works. CONTRACTOR shall also submit on the 4th& 19th of every month to Engineer in Charge a true statement showing in respect of the 2nd half of the preceding month & the 1st half of the current month (1) the accidents that occurred during the said fortnight showing the circumstances under which they happened and the extent of damage and injury caused by them and (2) the number of female workers who have been allowed Maternity Benefit as provided in the Maternity Benefit Act 1961 on Rules made there under and the amount paid to them.

x) Engineer in Charge shall on a report having been made by an inspecting officer as defined in Contract Labour (Regulation and Abolition) Act 1970 have the power to deduct from the money due to the CONTRACTOR any sum required or estimated to be required for making good the loss suffered by a worker or workers by reason of non-fulfilment of the conditions of the Contract for the benefit of workers, non-payment of wages or of deductions made from his or their wages which are not justified by the terms of the Contract or non-observance of the said regulations.

xi) The CONTRACTOR shall indemnify the COMPANY against any payments to be made under and for the observance of the provisions of the aforesaid acts without prejudice to his right to obtain indemnity from his sub-CONTRACTOR.

36.0 STATUTORY REQUIREMENTS:

During the tenure of this CONTRACT nothing shall be done by the CONTRACTOR in contravention of any law, act and/or rules/regulations, thereunder or any amendment

37.0 GENERAL HEALTH, SAFETY & ENVIRONMENT (HSE) GUIDELINES:

37.1 It will be solely the CONTRACTOR's responsibility to fulfil all the legal formalities with respect to the Health, Safety and Environmental aspects of the entire job (namely; the person employed by him, the equipment, the environment, etc.) under the jurisdiction of the district of that state where it is operating. Ensure that all sub-CONTRACTORs hired by CONTRACTOR comply with the same requirement as the CONTRACTOR himself and shall be liable for ensuring compliance all HSE laws.

37.2 It will be entirely the responsibility of the Contractor/his

Supervisor/representative to ensure strict adherence to all HSE measures and statutory rules during operation in OIL's installations and safety of workers engaged by him. The crew members will not refuse to follow any instruction given by company's Installation Manager/Safety Officer/Engineer/Official/ Supervisor/Junior Engineer for safe operation.

37.3 Any compensation arising out of the job carried out by the Contractor whether related to pollution, Safety or Health will be paid by the contractor only.

37.4 Any compensation arising due to accident of the Contractor's personnel while carrying out the job, will be payable by the contractor.

37.5 When there is a significant risk to health, environment or safety of a person or place arising because of a non-compliance of HSE Measures Company shall have the right to direct the contractor to cease work until the non-compliance is corrected.

38.0 POLLUTION AND CONTAMINATION:

The CONTRACTOR shall be liable for all surface and sub-surface pollution to the extent caused by CONTRACTOR and resulting from CONTRACTOR's operation/service or spillage or dumping of solvents/additive substances or pollutants, which the CONTRACTOR brings to the Site for use in connection with Work to be performed under this Contract.

Notwithstanding anything to the contrary contained herein, it is agreed that except on the ground of willful misconduct or criminal misconduct, COMPANY shall release, indemnify and hold CONTRACTOR and its sub-CONTRACTORs harmless from any and all claims, judgments, losses, expenses and any costs related thereto (including but not limited to Court costs and "Attorney's fees") for:

a) Damage to or loss of any reservoir or producing formation; and/ or

b) Damage to or loss of any well; and/ or

c) Any other subsurface damage or loss; and/ or

d) Any property damage or loss or personal injury or death arising out of or in connection with a blowout, fire explosion and loss of well control regardless of cause.

39.0 STATUTORY VARIATION/ NEWLY ENACTED LAW:

39.1 All duties, taxes except otherwise specified in the Contract as applicable on the closing date of bid submission as per relevant acts and rules shall be in CONTRACTOR's account. Variation in case of custom duty on CIF value declared by the bidder shall be to COMPANY account.

39.2 In the event of introduction of any new legislation or any amendment or enforcement of any Act or Law, rules or regulations of Government of India or State Government(s) or Public Body, which becomes effective after the date of

submission of Price Bid or revised price bid, if any, for this CONTRACT and which results in increased/decreased cost of the works under the CONTRACT through increased/decreased liability of taxes and/or duties, required to be paid by the CONTRACTOR, (other than personnel and Corporate taxes), the Parties shall agree to a revision in pricing to reflect such change subject to the production of documentary proof to the satisfaction of the COMPANY/CONTRACTOR as applicable to the extent which directly is attributable to such introduction of new legislation or change or amendment as mentioned above and adjudication by the competent authority (applicable when disputed by COMPANY) & the courts wherever levy of such taxes/duties are disputed by COMPANY/CONTRACTOR.

39.3 Any increase in net amount of the duties and taxes (i.e. the amount of taxes/duties payable minus eligible credit of taxes/duties paid on input services/inputs) after the contractual completion/mobilization date during the extended period will be to the CONTRACTOR's account, where delay in completion /mobilization period is attributable to the CONTRACTOR. However, any decrease in net amount of the duties and taxes (i.e. the amount of taxes/duties payable minus eligible credit of taxes/duties paid on input services/inputs) after the contractual completion/mobilization date will be to COMPANY's account.

39.4 The Contract Price and other prices given in the Schedule of Prices are based on the applicable tariff as indicated by the CONTRACTOR in the Schedule of Prices. In case this information subsequently proves to be wrong, incorrect or misleading, COMPANY will have no liability to reimburse/pay to the CONTRACTOR the excess duties, taxes, fees, if any finally levied/imposed by the concerned authorities. However, in such an event, COMPANY will have the right to recover the difference in case the rate of duty/tax finally assessed is on the lower side.

39.5 Notwithstanding the provision contained in Clause-39.1 to 39.4 above, the COMPANY shall not bear any liability in respect of:

i. Personal taxes on the personnel deployed by CONTRACTOR, his sub-CONTRACTOR/sub-sub-CONTRACTORs and Agents etc.

ii. Corporate taxes and Fringe benefit tax in respect of CONTRACTOR and all of their sub-CONTRACTORs, agents etc.

iii. Other taxes & duties including Customs Duty and GST in addition to new taxes etc. in respect of sub-CONTRACTORs, vendors, agents etc. of the CONTRACTOR.

iv. Any liability on the CONTRACTOR, which was accrued under the old law or contract, which the CONTRACTOR is obligated to pay either to the COMPANY or to the Government Authority.

39.6 In order to ascertain the net impact of the amendment/ revisions/enactment of various provisions of taxes/duties, the CONTRACTOR is liable to provide

following disclosure to COMPANY:

i. Details of each of the input services used in relation to providing service to COMPANY including estimated monthly value of input service and GST tax amount.

ii. Details of Inputs (material/consumable) used/required for providing service to COMPANY including estimated monthly value of input and GST paid/payable on purchase of inputs.

39.7 The above provisions would be applicable only in case of variation in rate of taxes and duties on supply of services to OIL and not applicable on taxes and duties on input (goods and services) towards such services.

39.8 Any claim or reduction on account of change in law shall be accompanied with undertaking that the provisions of anti- profiteering clause under GST Act have been complied with.

40.0 SEVERABILITY:

Should any provision of this agreement be found to be invalid, illegal or otherwise not enforceable by any court of law, such finding shall not affect the remaining provisions hereto and they shall remain binding on the parties hereto.

41.0 COMMISSION OF MISCONDUCT/SUBMISSION OF FRAUDULENT DOCUMENT BY THE BIDDER/CONTRACTOR AND BANNING THEREOF:

The information and documents furnished by the bidder/CONTRACTOR in respect of the tender/contract are accepted by COMPANY to be true and genuine. However, if it comes to the notice of the COMPANY anytime either during the pendency of the tender or after award of the contract or after completion the contract that a Bidder/CONTRACTOR furnished fraudulent document/false information in relation to the subject tender/contract or committed any misconduct, appropriate action shall be taken against the Bidder/CONTRACTOR for debarment/banning of the bidder/CONTRACTOR from participating in any future tender of the COMPANY in terms of the COMPANY's Banning Policy, 2017 besides making the CONTRACTOR liable for other penal action including termination of ongoing contract(s) at his/her risk and peril. In such event, the Performance Security in respect of ongoing contract(s) shall be forfeited by the COMPANY.

42.0 SETTLEMENT OF DISPUTES:

42.1 If dispute of any kind whatsoever shall arise between the company and the contractor in connection with or arising out of the contract, including without prejudice to the generality of the foregoing, any question regarding its existence, validity or termination, or the execution of the facilities, whether during the progress of the facilities or after their completion and whether before or after the termination, abandonment or breach of the contract, the parties shall seek to resolve any such dispute or difference by mutual consultation. If the parties fail to resolve any such dispute or difference by mutual consultation, then the dispute may be settled through Settlement Advisory Committee (SAC). In the

event, a dispute remains unsettled then Arbitration/ other remedies available under the applicable laws may be availed by the Contractor.

42.2 Resolution of Dispute through SAC:

a) OIL has framed the Conciliation Rules 2020 in conformity with Part III of the Arbitration and Conciliation Act 1996 as amended from time to time for speedier, cost effective and amicable settlement of disputes through conciliation.

b) If the parties fail to resolve such a dispute or difference by mutual consultation as per clause no. 42.1, the dispute, if the parties agree, may be referred to conciliation in accordance with OIL Conciliation Rules 2020 as amended from time to time. A copy of the said Rules has been made available on OIL's Website i.e. www.oil-india.com

c) Where the invitation for conciliation has been accepted by the other party, the parties shall attempt to settle such dispute(s) amicably under OIL conciliation Rules 2020.

d) Parties shall invoke arbitration clauses only after exhausting the option of conciliation as an Alternative Dispute Resolution Mechanism. For the purpose of this clause, the option of conciliation shall be deemed to have been exhausted, even in case of rejection of conciliation by any of the parties.

42.3 Arbitration (Applicable for Suppliers/Contractors other than PSU and MSME):

1. Except as otherwise provided elsewhere in the contract, if any dispute, difference, question or disagreement arises between the parties hereto or their respective representatives or assignees, in connection with construction, meaning, operation, effect, interpretation of the contract or breach thereof which parties are unable to settle mutually through Conciliation/Mediation, the same shall be referred to Arbitration.

2. A party wishing to commence arbitration proceeding shall invoke an Arbitration Clause by giving 30 days' notice to the other party. The notice invoking arbitration shall specify all the points of dispute with details of the amount claimed to be referred to arbitration at the time of invocation of arbitration and not thereafter. If the claim is in foreign currency, the claimant shall indicate its value in Indian Rupee for the purpose of constitution of the arbitral tribunal.

3. The number of arbitrators and the appointing authority will be as under: Claim amount (excluding claim for interest and counter claim, if any)

Claim amount. {excluding claim for interest and counter claim, if any)	**Number of Arbitrator**	**Appointing Authority**
Up to Rs. 25.00 Lakh	Not applicable	Not applicable

Above Rs. 25.00 Lakh Up to Rs. 5 Crore	Sole Arbitrator from the panel of Arbitrators' List maintained by OIL	Mutually to be decided by the Parties.

4. The Parties agree that dispute involving claims below Rs. 25 lakhs and above Rs. 5 crores shall not be subject matter of Arbitration but subject to the exclusive jurisdiction of the Court(s) situated at New Delhi.

5. The parties agree that they shall appoint only those persons as arbitrators who accept the conditions of the arbitration clause. No person shall be appointed as Arbitrator or Presiding Arbitrator who does not accept the conditions of the arbitration clause.

6. If any of the Arbitrators so appointed dies, resigns, becomes incapacitated or withdraws for any reason from the proceedings, it shall be lawful for the concerned party/arbitrators to appoint another person in his place in the same manner as aforesaid. Such person shall proceed with the reference from the stage where his predecessor had left if both parties consent for the same; otherwise, he shall proceed de novo.

7. Parties agree and undertake that neither shall be entitled for any pre- reference or pendente-lite interest on its claims. Parties agree that any claim for such interest made by any party shall be void. Parties agree that a claim for any such interest shall not be considered and shall be void. The Arbitrator or Tribunal shall have no right to award pre-reference or pendent-lite interest in the matter.

8. The arbitral tribunal shall complete the proceedings, make and publish the award within time stipulated in the Arbitration and Conciliation Act, 1996(as amended from time to time)

9. If after commencement of the arbitration proceedings, the parties agree to settle the dispute mutually or refer the dispute to conciliation, the arbitrators shall put the proceedings in abeyance until such period as requested by the parties. Where the proceedings are put in abeyance or terminated on account of mutual settlement of dispute by the parties, the fees payable to the arbitrators shall be determined as under:

   a) 20% of the fees if the claimant has not submitted a statement of claim.
   b) 40% of the fees if the pleadings are complete.
   c) 60% of the fees if the hearing has commenced.
   d) 80% of the fees if the hearing is concluded but the award is yet to be passed.

10. Each party shall be responsible to make arrangements for the travel and stay etc. of the arbitrator appointed by it. Claimant shall also be responsible for making arrangements for travel and stay of the Presiding Arbitrator and the expenses incurred shall be shared equally by the parties. In the case of sole arbitrator, both parties shall equally share all expenditures that may be required to be incurred.

11. The fees and other administrative/secretarial expenses of the arbitrator(s) shall not exceed the model fee as stipulated in the Schedule of the Act and such

expenses shall be equally borne by the parties.

12. The seat and venue of the arbitration proceeding shall be New Delhi.

42.4 Arbitration (applicable in case of Contract awarded on Public Sector Enterprise):

1. If the Parties fail to resolve such a dispute or differences by Mutual Consultation/Good Faith Discussions, such disputes or difference shall be taken up by either party for resolution through Administrative Mechanism for Resolution of CPSEs Disputes (AMRCD) as mentioned in DPE Office Memorandum No. 05/0003/2019-FTS-10937 dated 14.12.2022 issued by Department of Public Enterprises, Ministry of Heavy Industries and Public Enterprises, Government of India and its further clarifications, modifications and amendments, issued from time to time.

2. A party wishing to commence arbitration proceedings shall invoke Arbitration Clause and refer the dispute(s) to AMRCD with a copy to the other party. The notice invoking arbitration shall specify all the points of dispute with details of the amount claimed to be referred to arbitration at the time of invocation of arbitration and not thereafter.

3. Upon such reference, the dispute shall be decided by the Competent Authority appointed under the AMRCD, whose decision shall bind the parties finally and conclusively. The parties in the dispute will share equally the cost of the arbitration as intimated by the Arbitrator.

42.5 Arbitration (Applicable to Micro, Small and Medium Enterprise)

In the event of any dispute or difference relating to, arising from, or connected with the Contract, efforts shall be made to resolve the dispute(s) amicably by mutual consultation and in case such dispute(s) cannot be resolved through mutual consultation, then same shall be resolved through the procedure as prescribed in Section-18 of the Micro, Small and Medium Enterprises Development Act, 2006.

42.6 Exclusions

Parties agree that following matters shall not be referred to conciliation or arbitration:

a) Any claim, difference or dispute relating to, connected with or arising out of OIL's decision to initiate any proceedings for suspension or debarment or banning, or decision to suspend or to ban or to debar business dealings with the bidder/CONTRACTOR and/or with any other person involved or connected or dealing with bid/contract/bidder/CONTRACTOR.

b) Any claim, difference or dispute relating to, connected with or arising out of OIL's decision under the provisions of Integrity Pact executed between OIL and the Bidder/CONTRACTOR.

c) Any claim, difference or dispute relating to, connected with or arising out of OIL's decision to comply with any order or directive of any statutory or government authority.

43.0 COMPLETION OF CONTRACT:

Unless otherwise terminated under the provisions of any other relevant Clause or extended through written communication, this Contract shall be deemed to have been completed at the expiry of the Period specified in the contract or period of defect liability, as provided for under the Contract, whichever is later.

44.0 TERMINATION:

44.1 Termination on expiry of the contract: This Agreement shall be deemed to have been automatically terminated on the expiry of the contract period unless OIL has exercised its option to extend this contract in accordance with the provisions, if any, of this contract.

44.2 Termination of contract for death: If the CONTRACTOR is an individual or a proprietary concern and the individual or the proprietor dies or if the CONTRACTOR is a partnership concern and one of the partners dies then unless, the COMPANY is satisfied that the legal heir of the individual or the proprietary concern or the surviving partners are capable of carrying out and completing Contract, the COMPANY is entitled to cancel the Contract for the uncompleted part without being in any way liable for any compensation payment to the estate of the deceased CONTRACTOR and/or to the surviving partners of the CONTRACTOR's firm on account of the cancellation of Contract. The decision of the COMPANY in such assessment shall be final & binding on the parties. In the event of such cancellation, the COMPANY shall not hold the estate of the deceased CONTRACTOR and/or the surviving partners of CONTRACTOR's firm liable for any damages for non-completion of the Contract.

44.3 Termination on account of Force Majeure: Unless the contract provides otherwise, either party shall have the right to terminate this Contract on account of Force Majeure as set forth in Article-31.0 above.

44.4 Termination on account of insolvency: In the event that the CONTRACTOR or its collaborator or its guarantor at any time during the term of the Contract, becomes insolvent or makes a voluntary assignment of its assets for the benefit of creditors or is adjudged bankrupt or under the process of insolvency or liquidation, then the COMPANY shall, by a notice in writing have the right to terminate the Contract and all the CONTRACTOR's rights and privileges hereunder, shall stand terminated forthwith.

However, COMPANY shall be at liberty to give the Receiver or Liquidator or Insolvency Professional Manager, as appointed by the Competent Court/Tribunal, the option of carrying out the Contract subject to its technical & financial competence and his providing a guarantee for due and faithful performance of the Contract.

44.5 Termination for Unsatisfactory Performance: If the COMPANY considers that, the performance of the CONTRACTOR is unsatisfactory, or not as per the provision of the Contract, the COMPANY shall notify the CONTRACTOR in writing and specify in details the cause of dissatisfaction. The COMPANY shall

have the option to terminate the Contract by giving 15 days notice in writing to the CONTRACTOR, if CONTRACTOR fails to comply with the requisitions contained in the said written notice issued by the COMPANY. In the event CONTRACTOR rectifies its non-performance to the satisfaction of the COMPANY, the option of termination may not be exercised by the COMPANY. If however CONTRACTOR repeats non-performance subsequently, COMPANY shall exercise the option to terminate contract by giving 07 days notice. Such CONTRACTOR shall be put on holiday as per the Banning Policy of OIL [available at www.oil-india.in].

44.6 **Termination due to change of ownership and Assignment:** In case the CONTRACTOR's rights and /or obligations under this Contract and/or the CONTRACTOR's rights, title and interest to the equipment/ material, are transferred or assigned without the COMPANY's written consent, the COMPANY may at its option, terminate this Contract. COMPANY shall not be however under any obligation to accord consent to the CONTRACTOR for change of ownership & assignment of the contract.

44.7 If at any time during the term of this Contract, breakdown of CONTRACTOR's equipment results in CONTRACTORs being unable to perform their obligations hereunder for a period of 15 successive days, COMPANY at its option, may terminate this Contract in its entirely or partially to the extent non-performance, without any further right or obligation on the part of the COMPANY, except for the payment of money then due. No notice shall be served by the COMPANY under the condition stated above.

44.8 **Termination for delay in mobilization:** CONTRACTOR is required to mobilize complete equipment alongwith crew for commencement of services at the specified site within the maximum allowed number of days from the date of LOA/Notice for Mobilization as specified in the special conditions of contract. If the CONTRACTOR (successful bidder) fails to complete the mobilization as above, OIL shall have, without prejudice to any other clause of the CONTRACT, the right to terminate the contract.

44.9 DELETED

44.10 **Consequence of Termination:** In all cases of termination herein set forth, the relative obligations of the parties to the Contract shall be limited to the period up to the date of termination. Notwithstanding the termination of this Contract, the parties shall continue to be bound by the provisions of this Contract that reasonably require some action or forbearance after such termination.

Upon termination of this Contract, CONTRACTOR shall return to COMPANY all of COMPANY's properties, which are at the time in CONTRACTOR's possession.

In the event of termination of contract, COMPANY will issue Notice of termination of the contract with date or event after which the contract will be terminated. The contract shall then stand terminated and the CONTRACTOR shall demobilize their personnel & materials.

Demobilization charges shall not be payable by COMPANY in case of Article from **44.4 to 44.7**

45.0 TO DETERMINE THE CONTRACT:

In such an event (i.e. termination under Article No. 44.4 to 44.8 above), the contract shall stand terminated and shall cease to be in force from the date of such notification by the COMPANY. Thereafter the CONTRACTOR shall stop forthwith any of the work then in progress, except those work which the COMPANY may, in writing, require to be done to safeguard any property or work, or installations from damages, and the COMPANY may take over the remaining unfinished work of the CONTRACTOR and complete the same through a fresh CONTRACTOR or by other means, at the risk and cost of the CONTRACTOR, and any of its sureties if any, shall be liable to the COMPANY for any excess cost occasioned by such work having to be so taken over and completed by the COMPANY over and above the cost at the rate/cost specified in the schedule of quantities and rates/prices.

46.0 WITHOUT DETERMINING THE CONTRACT: In such an event (i.e. termination under Article No. 44.4 to 44.8 above), the COMPANY may take over the work of the CONTRACTOR or any part thereof and complete the same through a fresh CONTRACTOR or by other means, at the risk and cost of the CONTRACTOR. The CONTRACTOR and any of its sureties are liable to the COMPANY for any excess cost over and above the cost at the rates specified in the schedule of quantities and rates/prices, occasioned by such work having been taken over and completed by the COMPANY.

47.0 ERRING/DEFAULTING AGENCIES:

Erring and defaulting agencies like bidder, CONTRACTOR, supplier, vendor, service provider will be dealt as per OIL's Banning Policy dated 6th January, 2017 available in OIL's website: www.oil- india.com. Moreover, OIL reserves the right to take legal or any other action on the basis of merit of the case.

48.0 MISCELLANEOUS PROVISIONS:

CONTRACTOR shall give notices and pay all fees at their own cost required to be given or paid by any National or State Statute, Ordinance, or other Law or any regulation, or bye-law of any local or other duly constituted authority as may be in force from time to time in India, in relation to the performance of the services and by the rules & regulations of all public bodies and companies whose property or rights are affected or may be affected in any way by the services.

CONTRACTOR shall conform in all respects with the provisions of any Statute, Ordinance of Law as aforesaid and the regulations or bye-law of any local or other duly constituted authority which may be applicable to the services and with such rules and regulation, public bodies and Companies as aforesaid and shall keep COMPANY indemnified against all penalties and liability of every kind for breach of any such Statute, Ordinance or Law, regulation or bye-law.

During the tenure of the Contract, CONTRACTOR shall keep the site where the services are being performed reasonably free from all unnecessary obstruction and shall store or dispose of any equipment and surplus materials and clear away and remove from the site any wreckage, rubbish or temporary works no longer required. On the completion of the services, CONTRACTOR shall clear away and remove from the site any surplus materials; rubbish or temporary works of every kind and leave the whole of the site clean and in workmanlike condition to the satisfaction of the COMPANY.

Key personnel cannot be changed during the tenure of the Contract except due to sickness/death/resignation of the personnel or any other justified situation in which case the replaced person should have equal experience and qualification, which will be again subject to prior approval, by the COMPANY.

Format for Undertaking

UNDERTAKING REGARDING NON-INCLUSION OF HAZARDOUS SUBSTANCES

[as per GCC Clause No. 14.12 (v)]

[On Bidder's Letter Head]

To,

M/s OIL INDIA LIMITED,
CONTRACTS DEPARTMENT,
DULIAJAN, ASSAM, INDIA, PIN-786602

Dear Sir,

This has reference to your Tender No. ..... Dated ..... 20___ on the subject .....

We.....(Name of the Company) confirm that no hazardous substance as stipulated in the Public Liability Insurance Act 1991 and the Rules framed thereunder will be handled during the performance of the aforesaid Tender/Contract.

It is hereby also confirmed that we will hold OIL harmless in case of any claim on us under the Public Liability Act Policy covering the statutory liability arising out of accidents occurring during the currency of the contract due to handling hazardous substances as provided in the Public Liability Insurance Act 1991 and the Rules framed thereunder.

Signature

(Name & Designation of Authorized person)

END OF PART-3, SECTION-I: GCC

&&&&&

Part-3
SECTION-II
SCOPE OF WORK (SOW) / TERMS OF REFERENCE AND TECHNICAL SPECIFICATIONS OF EQUIPMENT

1.0 INTRODUCTION:

This section establishes the scope and schedule for the work to be performed by the Contractor and describes the specifications, instructions, standards and other documents including the specifications for any materials, tools or equipment, which the Contractor shall satisfy or adhere to in the performance of the work.

2.0 DEFINITION OF WORK:

To drill highly challenging onshore wells in geologically complex areas through hiring of 01 (one) No. of Diesel Electric Drilling Rig (ACSCR or AC-VFD) of capacity 3000 HP (Minimum) with top drive system and associated equipment, tools & services for a period of 04 (four) years. The wells will be vertical or highly deviated for extended reach. The expected displacement is more than 2000 to 3000 meters with MWD nearing to 5000 meter and angle of 50-70 degree. Similarly, the well depths are expected to be up to 6500 Mtrs. Depths of the wells may somewhat increase or decrease at the discretion of the Company within the rated capacity of the rig.

3.0 AREA OF OPERATION:

3.1. The area of the operation will be primarily in the states of Assam & Arunachal Pradesh. The first mobilization will be mostly in the districts of Dibrugarh, Tinsukia, Sibsagar & Charaideo - Assam or Changlang - Arunachal Pradesh. However, if the rig is required to be mobilized in the areas other than Assam & AP, the mobilization charges will be paid on mutually agreed terms and conditions.

3.2. The following information are for general guidelines to the bidders. Company is not responsible for any deviation of figures being spelt out or met with for reason beyond their control.

a) Minimum width of the well site approach road = 3.66 m.

b) Turning Radius = 15m (Generally), 12 m (exceptionally)

c) Minimum overhead clearance = 4.25 m

d) Highest recorded wind velocity in Assam = 80 km/hour

e) Max. Recorded ambient temp = 45 deg. Celsius

f) Min. recorded ambient temp. = 5 deg. Celsius

g) Weather Pattern: Frequent rains from April/May to September/ October with Moderate to Heavy rain and Occasional during the remaining period.

h) Nature of topsoil: Usually clay/Alluvium/ Unconsolidated.

i) Source of water - Through shallow bore wells usually available at well Site. Otherwise from bore well situated at convenient Locations. Depth of bore well in the range of 15 to 50m (normally).

j) Average annual rainfall: 250 / 300 cm.

k) Humidity - max. 98%.

l) Maximum allowable unit load inclusive of fare weight for class AA loading of 50 tons.

4.0 SCOPE OF RIG'S SERVICE:

4.1 The Service provider(s) shall provide the services of one (01) No. of Diesel Electric Rig Package (AC-SCR or AC-VFD) along with all necessary equipment and personnel as listed and carryout drilling operations including but not limited to coring, round tripping, lowering & setting of casings, completion, abandonment, Production testing, etc. as and when required, and all other associated operations including, rig up, rig down, inter-location movement etc. in accordance with the well drilling, and completion programme to be furnished by the Company before commencement of the operation, which may be amended from time to time by reasonable modification as deemed fit by the Company or under any statutory provisions.

The Contractor shall provide mobile waste management services with the Rig package for effluent management (solid and liquid) generated during operation, suitable for meeting the requirements in line with the guidelines of the State Pollution Control Board (SPCB), Ministry of Environment and Forests (MoEF) etc. and also safe disposal of the effluents.

Apart from this, the Service provider shall also provide spares for the entire rig package, tools and equipment, fuel (HSD) for running the operations, Lubricant, Water (potable & drill water) and shall carry out drilling with tools & expert supplied by the Service provider. The Service provider shall keep adequate stock of spares at all time for uninterrupted progress of work and make available all items listed in this document ready for use. OIL shall provide suggestion on technical matters on request from contractor. However, the contractor shall be wholly responsible for rendering services as per scope of work.

Note: Bit programme, mud programme, casing policy, well programme will be approved by the Company.

4.2 DRILLING PROGRAM:

Drilling program will include details of operations related to drilling and testing of vertical and/or deviated wells. The program will be provided to the contractor nearer the time of actual operations. All wells are designated as Exploratory or Development with depths up to 6500 m (approx.)

4.3 TENTATIVE CASING PROGRAM (SUBJECT TO CHANGE):

Most of the wells to be drilled with the rig are planned with minimum 4-1/2" or more casing sizes, depending upon the depths and geological requirements which includes casing and liners in different combinations, i.e., 20" (Surface casing in 26" holes), 13$^{5/8"}$,13⅜" (Isolation casing in 17½" hole), 10¾", 10" & 9⅝" (Intermediate Isolation casing in 12¼" and 13⅝" hole) and 7⅝", 7", 5½" and 4½" (Production casing in 9½", 8½" and 6" hole). The tentative casing sizes are mentioned in Table No: 1 below. Based on well requirements casing sizes and grades may change, in such cases company will arrange for handling gears, if not mentioned as above or in **Table no: 1**. However, the Rig should be capable to handle any size of the casing as per well requirement.

NOTE ON CLAUSE 4.3 ABOVE FOR CONTINGENCY CASING:

In case of any unforeseen circumstances with problem in completing the well with 5½" Production/oil string casing then the well will be completed by running 7" (29 ppf x N-80 / P-110 x BTC) liner in 8½" hole (hanged to 9⅝" casing) & 5" (15 ppf x P-110 x FL4S) liner in 6" hole (hanged to 7" liner) or (6" x 7⅞") expandable liner.

TABLE NO. 1: CASINGS TO BE LOWERED

Sl No.	Hole section	Description (Casing)	Weight, (ppf)	Grade
1.	26"	20"	94	K-55/X-56
2.	24"	20"	133	L-80
3.	17½"	13⅝"	88.2	125 ksi (HC*)
4.	17½"	13-3/8"	68	N-80
5.	12¼" x 13½" (Hole Enlargement)	10¾"	60.7	P-110
6.	12¼"	10"	73.9	140 ksi (CY**)
7.	9½"	7⅝"	29.7	P-110
8.	8½"	7"	35	Q125
9.	6" x 7⅞" (Hole Enlargement)	6" (Expandable liner)	20.1	E-80
10.	6"	4½"	12.6	N-80
11.	5⅞"	4½"	15.1	Q125

4.4 PRESENCE OF CO2 & H2S:

Presence of CO2 is expected in the wells. Presence H2S is not yet recorded at the proposed areas. However, provision of requisite quantity of SCBA (Self-contained breathing apparatus) units with trained personnel for dealing with any H2S/or, any other toxic gas situation to be kept handy.

5.0 SPECIFICATIONS OF DRILLING RIG

The technical specifications of the drilling rig package to be provided by the Contractor under this tender/contract are given below:

5.1 GROUP – I

A) MAST AND SUBSTRUCTURE:

1. "Swing lift" cantilever type self-elevating mast or Bootstrap & substructure with clear height in the range of 152 ft. to 158 ft. and having static hook load capacity of minimum 1,500,000 lbs. (680 MT) with 14 lines strung on traveling block, designed as per API Specifications 4F. **Mast should be designed for 85 mph wind load capacity with a full rack of pipe and 100 mph on a bare mast**. The Sub-structure accommodating the cantilever type mast should have minimum setback load capacity of 800,000 lbs. (362 MT) simultaneously with hook load &/or rotary

load capacity of minimum 1,500,000 lbs. (680 MT). OIL shall have the discretion to accept/reject Rigs with minor deviations in specifications.

2. Self-elevating or Box-on-Box type sub-structure should have a minimum floor height of **35 ft. (10.6 m)** from ground level with at least **30 ft. (9.144 m)** clear height under rotary beams. Substructure should be suitable to accommodate a 3000HP (minimum) electrically powered draw-works and 37.1/2" rotary table **with independent drive unit. The beams and substructure must be capable of accommodating the MPD equipment**.
3. Mast should be complete with all raising lines, lifting lugs for raising, levelling shims, snubber units and hydraulic jacks. Mast and substructure should be complete with levelling equipment for front and rear shoes and with all required accessories for the operation and erection of the mast and substructure.
4. Heavy duty Racking Platform with a Capacity for racking in combination of at least 240 stands 5½" drill pipe, 20 stands of HWDP and 10 stands of 3½" to 9½", drill collars and 2 stands of 11" drill collars. The length of each single will be in the range 9.14 M to 9.44 M (30 ft to 31 ft) & hence the thribbles length will be 27.43 M to 28.35 M (90 ft to 93 ft)
5. The Racking board (Monkey board / tribbles board) shall be adjustable type and complete with suitable & effective twin seater Emergency Escape Device (EED) (from racking board to ground). Emergency escape device shall conform to relevant BIS/ISO/OISD/Internationally accepted standards.
6. The mast shall be complete with tubing support frame (belly board-optional), air hoist sheave units (2 Nos.), sheave units for rig tongs (2 Nos.), power tong / pipe spinner, tong counterweights (incl. guides & snatch block), etc as per OEM design for carrying out safe drilling, tripping & casing running in operation.
7. The mast shall be complete with 04 (four) sets of dual standpipe clamp for 4 inch or 5-inch OD Standpipes.
8. The mast shall be complete with one pneumatically or hydraulically or electrically powered counter balanced adjustable casing stabbing board for running casings in length range 2 &/or 3 respectively. Additionally, casing stabbing arms shall also be accepted.
9. The Sub-structure shall be complete with tong back-up posts for rig tongs.
10. The Sub-structure shall be complete with minimum two flight stairways one at driller's side and other at off driller's side.
11. Safety climb equipment for climbing up mast ladder up to crown block shall be provided (i.e., the riding ladder to crown block shall be caged (ladder rungs) or as per rig's design and there must be 02 (two) DGMS approved FPD (Fall Protection Device) system.
12. The Mast shall be complete with suitably rated crown block assembly (the rated capacity of crown block assembly should not be less than the static hook load capacity of the mast) having working cluster of at least 7 (seven) sheaves of around 60" (1524 mm) diameter, 1 (one) fast line sheave of around 60"(1524 mm) diameter suitable **for 1¾" or 1⅝" or 1½" or as per OEM designed** drilling line and all required pedestals with appropriate sheave units for different lines but not limited to such as cat line, outline, air hoist line, tong lines, survey line etc. The crown block assembly should be complete with one 50 MT or as per OEM design capacity hanging pad eye for hanging the traveling block and TDS (during slipping the drill/casing line) with suitable wire line, shackles, etc. of appropriate length.

13. The mast & sub-structure should be complete with combination ramp (v- door) & stairs, catwalk (preferably two sections) with sufficient quantities of pipe racks for racking casing and other tubular.

14. The mast & sub-structure shall be complete with grasshopper type cable rack or other suitable design as per OEM for elevating with rear floor.

15. **The sub-structure should be complete with One (1) escape slide constructed in steel designed to suit the floor height and to move personnel from the rig floor in an emergency to be provided on driller's side.**

16. The derrick floor, racking board, belly board & crown platform shall be complete in all respects and provided with suitable toe boards and safety railings.

17. The mast should be complete with provisions for installation of 750 Ton rated capacity portable Electric Top Drive System.

18. The sub-structure should be complete with mounting pedestals for air winches, openings for rat and mouse hole assemblies.

19. The sub-structure should be complete with suitable capacity deadline anchor designed as per API Spec. 8C & suitable for use with **1¾" or 1⅝" or 1½" or as per OEM designed** casing / drilling line.

20. Mast and substructure shall be complete in all respects to start operation without any hold up.

21. **Doghouse/Driller's operating cabin**

A well-designed comfortable doghouse or driller cabin shall be provided with following conformity:

(i) All electrical equipment used inside Driller's cabin (if applicable) shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standard. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110]

(ii) Properly designed Driller's console should be suitably located incorporating all required functions to carryout drilling operations safely and with ease. Pressurized type driller's console and foot throttle (if any) should be used in the rig. Air purging system should be provided for the above

(iii) Electrical driller's console panel should be suitably located in order to provide driller to operate the rig in ease.

(iv) It should be able to manage, control and monitor rig floor equipment independently and activity-based operations.

(v) It should be designed to allow easy of operations during Drilling, Tripping and Casing tripping in by providing an efficient and intuitive rig floor command centre.

(vi) It should allow the Driller to supervise and control all drilling-related functions.

22. **BOP TROLLEY BEAMS & BOP HANDLING SYSTEM**

One (1) set of BOP trolley beams designed to pin under the substructure floor allowing for front entry of BOP stack with 50 Ton capacity BOP handling system

i.e., two (2) Hoists (hydraulic) each of capacity not less than 25 Ton to handle 15 M BOP stack and MPD equipment to be placed on BOP stack **(For necessary certification kindly refer to HSE Specification.)**

23. The mast shall be painted strictly as per Aviation/Indian Air Force Standards on deployment and later on whenever necessary. The same shall be specified in the contract. Every alternate mast section shall be painted with red and white paint. The paint may be enamel paint or equivalent. The paint should be freshly made and should be noticeable. Painting may be repeated if required.

24. All Lighting fittings & junction boxes used in the rig mast shall be FLP (Ex-d) type. The light fittings shall be energy efficient, preferably LED type.Two (02) numbers FLP (Ex-d) type night aviation warning lights are to be fitted at the top of the mast. These lights shall be operational at all times from the moment the mast is raised and till the mast is finally lowered irrespective of well operation. As per IAF requirements, specifications for the above lights are:–

Colour of light: Red (~~Fixed~~ flashing), Light intensity: 10cd.

Additionally, one daylight flasher type aviation warning light is to be fitted at the top of the mast in addition to red aviation warning lights. This light is to be used during daytime when the drilling location is situated within flying zone near IAF airfields. As per IAF requirements, specifications for the above light are:

Colour of light: White (Flashing), Light intensity: 20000cd, Flashes per minute: 20-60 flashes per minute.

25. The mast shall be provided with **lightening arrestor**. The lightening arrestor shall be grounded with continuous cable, of appropriate insulation, at two separate & distinct points.

B) <u>DRAW-WORKS</u>:

1. Input horsepower rating should not be less than 3000 HP.

2. Draw-works to be operated by 2/3 nos. of electric motors of suitable capacity either AC or DC. The motors shall be complete with suitable blowers and ducting. The power rating of the Draw Works motor(s) shall match the mechanical power rating of the offered Draw Works. **Bidder shall provide details of all such drilling motors while quoting**.

Note: All auxiliary motors viz. Blower, Lube oil etc. and other electrical equipment used with Draw-works shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN:60079 standard. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110.

3. The Draw-works to be complete with minimum two braking systems i.e., one suitable auxiliary brake (electro-magnetic type or pneumatic disc/hydraulic calliper or as per OEM design in case of AC-SCR & in case of AC-VFD rig, braking is to be performed with AC motors by generating power in to braking resistors. The motor and frequency drive should be capable of holding full load at zero speed indefinitely). One suitable primary / dynamic / parking cum emergency brake multi calliper type for AC-SCR rig or equivalent design as per OEM and pneumatically operated multi disc type for AC-VFD rig or as per compatible OEM design. The brake should be complete with all controls, fail safe system, dedicated cooling system, alarm, etc.

Note: Draw-works with friction type band brake (mechanical band brake) as primary braking is not acceptable.

4. The grooving on Draw-works drum should preferably be Lebus type suitable for either **1⅜", 1⅝" or 1½" wire line or as per OEM design.**

5. Draw-works should have forward and reverse speed options.

6. Draw-works should be equipped with One (1) pneumatically or electronically activated Twin-stop Device – Crown Saver to prevent collision between traveling block assembly and the crown block assembly, Floor Saver to prevent collision between the traveling block assembly and the drill floor. The device should be complete with override & resets buttons.

7. Suitable pneumatically or hydraulically operated/actuated make up and break-out catheads for making & breaking joints in the drill string & mouse hole. The minimum operating line pull should be 11.8 MT @ 2000 psi to 14.7 MT @ 2500 psi. The unit should be complete with suitable power unit, remote control panel (for selecting cathead 1 or 2) & all required lines, accessories, fittings, etc.

Note:

Draw-works may also be without cathead. In this case separate facility for making up & breaking-up of tubular like hydraulic cathead / iron rough neck or similar facility shall be available in the rig.

8. The draw-works should be compatible with the mast & sub-structure as indicated above and other drilling equipment mentioned in this section.

9. Draw-work shall be complete with Suitable in-built lubricating system & provision for manual lubricating point (wherever applicable).

10. All accessories for draw-works should confirm to API specifications wherever applicable.

11. Draw-works controls should have the following features:

(a) It should be able to manage, control and monitor rig floor equipment in independent and activity-based operations.

(b) It should be designed to allow operators to focus on Drilling, Tripping and Casing processes by providing an efficient and intuitive rig floor command centre.

(c) It should allow the Driller to supervise and control all drilling-related functions.

C) ROTARY TABLE AND ACCESSORIES:

1. Rotary table as per API Spec. 7K with minimum 37½" opening and static load capacity of 590 MT, complete with the following. All required accessories shall be provided by the Contractor. The rotary table shall be equipped with an independent rotary drive unit, powered by either an electric motor or hydraulic pump, in accordance with the OEM's standard design. The rotary table shall be capable of delivering sufficient torque and rotational speed to perform all drilling operations effectively. The torque handling capacity and speed shall be not less than the maximum working torque rating specified for the offered rotary table model All designs shall fully comply with OEM specifications and API 7K requirements.

2. All auxiliary motors viz. Blower, Lube oil etc. and other electrical equipment used with rotary drive motor (if any) shall be suitable for use in oilfield hazardous area,

Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN:60079 standard. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110].

The rotary drive system should have forward & reverse speed options.

3. The power rating of the Rotary Drive motor (if applicable) shall match the mechanical power rating of the offered Rotary Drive.

4. The Rotary Drive motor (if applicable) shall be complete with suitable blowers and ducting.

5. Master bushing (1 no. each of solid and split type) to suit the Rotary table.

6. Suitable API insert bowls Nos. 1, 2 & 3 respectively.

7. Complete bushing arrangement for handling all sizes of casing and tubulars as per Table No. 1 of Clause 4.3 above and any other tubular specified elsewhere in this section.

8. Bit breakers & adapter plates to suit above master bushing / Rotary table for the sizes as mentioned in Table No. 1 under clause 4.3 above.

9. All sizes of lifters and handling tools for bushings & inserts.

10. False Rotary table to run over 26" & 20" casing for 5½" D/P.

11. ANTI-SKID SAFETY PAD:

Anti-skid safety pads to be provided on Rotary Table and its surroundings to cover tong swing areas **(For details kindly refer to HSE specification)**.

D) TOP DRIVE SYSTEM (ELECTRICAL / HYDRAULIC TOP DRIVE):

1. One (1) 750 Short Ton (680 MT or 1,500,000 lbs) rated Portable Electric Top Drive Unit complete with all required accessories, tools, controls (TDS drillers console & TDS Control house), cables, connectors, fittings, etc. The top drive unit should be compatible with the Rig package. The top drive unit shall include but not limited to Motor Housing, Motor Housing Guard, Hydraulic Power Unit, Roller-style Carriage, Bail, Pipe Handler, Integral Swivel with Gooseneck & 7500 psi "S-Pipe" assembly and a Shipping/Storage Skid. Drilling Fluids path pressure limit to be around 7,500 psi (517 bar). The unit should be equipped with a 7,500 psi Wash Pipe assembly, forced air cooled AC Drilling Motors, Hydraulic Disc Brakes, Powered Rotating Head, Bail, and Counterbalance with Stand Jump.
2. Motor should have the Cooling System to operate with ambient temperature up to 50 degrees centigrade.
3. Torque Requirement: - Maximum Continuous drilling torque- Not less than 35,000 ft-lbs at 100 RPM.
4. Maximum Torque at maximum speed- Not less than 17,000 ft-lbs.
5. RPM range: 0 – 190 (Minimum).
6. Breakout Torque: 50000 ft-lbs (Minimum).
7. Top Drive System control panel shall be housed in Driller's Cabin including RPM & Torque controls. Pressurized type Top Drive System control panel should be used in the rig. Air purging system should be provided for the above.
8. All auxiliary motors viz. Blower, Lube oil etc. and other electrical equipment used with Top Drive System shall be suitable for use in oilfield hazardous area, Zone-I

or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN:60079 standard. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110]

9. **ACCESSORIES FOR TDS:**

(a) Pair(s) of weldless links of required capacity, size & length suitable for all types of elevators / spiders mentioned in this section.

(b) One (1) set of Master bushing wear guide & adapter ring for wear guide for 2⅞" to 5½" OD drill pipes.

(c) Any other item for running the top drive unit.

Notes:

(a) Electrical power required to run the top drive unit should be made available from rig's electrical power system.

(b) Top drive to be equipped with soft torque system to dampen drill string torsional vibrations & provide constant rotational velocity at the drill bit.

(c) Top drive unit should be of either of the following makes:

i) AKER MARITINE

ii) CAN RIG

iii) NATIONAL OILWELL VARCO

iv) TESCO

Note:

Bidder must submit a notarized '**Memorandum of Understanding (MOU)**' between the manufacturer (OEM) and the bidder for maintenance support including supply of spares of the Top Drive System for the entire contract period.

Bidder must submit the said MOU/Agreement prior to acceptance of mobilization of the rig by OIL.

E) PIPE CONNECTION HANDLING SYSTEM:

One (1) pipe connection handling system (i.e., ST-100 Iron Roughneck or similar equivalent) for tubulars described in this section.

F) TRAVELING BLOCK (AS PER API SPEC. 8C): The traveling block shall meet, but not limited to the following minimum specification:

1. Minimum API working load rating = 750 Ton (680 MT).

2. Number of sheaves = 7 (seven) Nos. of around 60" diameter and grooved for **1⅜", 1⅝" or 1½" wire line or as per OEM design.**

G) SLUSH PUMPS:

1. 03 (Three) nos. 2200 HP (minimum) each, 7500 psi rated Slush pumps, complete with replaceable cylinder Liners of various sizes of diameter to achieve desired discharge (i.e., combined two pump output) and pressure at rated SPM to meet operational requirements with matching motors. The pumps should be suitable for continuous heavy-duty application.

2. Maximum discharge pressure of 7500 psi. (Discharge 375 GPM (US) minimum at 7500 psi and 950GPM(US) at 3376 psi).

3. Apart from standard accessories, each pump shall be equipped with 7500 PSI WP strainer cross, 7500 psi pulsation dampeners, reset relief valve, pressure gauge, bleed valves, inline suction stabilizer.

   Notes: Valid hydraulic test /calibration certificates to be provided wherever applicable.

   Detailed technical specification of slush pump motor should be provided in technical bid.

4. Drive media must be specified by the bidder.

5. **PARALLEL PUMPING**:

   The high-pressure mud delivery pipe network should facilitate operation of any two pumps (parallel pumping) at any given point of time.

6. Nature of pumping job should include, but not be limited to, pumping of drilling fluids, completion fluids, pre-flushes, water – both treated and plain.

7. The slush Pumps shall be provided with Mud Pump Console located near the Slush Pumps. Each of the slush Pump can be operated from the Mud Pump Console, if required.

8. ELECTRICAL COMPLIANCE:

(i) The motors for slush pump shall be complete with suitable blowers and ducting. The slush pumps should have minimum 01 no. of motor each per slush pump at their respective rated capacity. The power rating of the Slush Pump motor(s) shall match the mechanical power rating of the offered Slush Pump. Bidder shall provide details of all such drilling motors along with the bid.

(ii) Individual electrical panel for each Slush Pump (03 nos.) for simultaneous operation and Draw-Works shall be available and all drilling motors shall always be connected to PCR. The system should facilitate for running any two Slush Pumps parallelly in any combination at any point of time. Also, facility to assign/control each of the three (03) Slush Pumps shall be available at D'Console.

(iii) All auxiliary motors viz. Blower, Lube oil etc. and other electrical equipment used with slush Pump shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification/ test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110].

(iv) Light fittings (if any) fitted near the slush pump shall be FLP (Ex-d) type.

(v) Super charger motors and other auxiliaries viz. junction boxes etc. shall be FLP (Ex-d) type. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110].

H) SUCTION AND DELIVERY SYSTEM: Each item shall be at-least 7500 psi WP rating (wherever, details of pressure are not given)

1. All suction & delivery lines and hoses along-with fittings must be able to handle the maximum required pressure & volume of drilling fluid. All delivery lines & hoses with fittings must have relevant API certificates (e.g. API 5L for mud line, API 7K for vib. Hoses etc.) which are to be submitted for evaluation. Suitable suction line provision should be there between water tanks and slush pumps manifold.
2. Cameron or equivalent 5" or 4" NPS x 7500 psi WP dual stand pipe of suitable length with "H-manifold" to match the operating conditions with range 2 drill pipes complete with pressure gauge of 7500 psi, gooseneck bend, hammer union or uni-bolt couplings for making up rotary hose with safety clamp attached.
3. Two (2) rotary hoses of approximately 3.1/2" ID, 7500 psi working pressure with suitable connection to make up on to the standpipe and rotary swivel /top drive unit as per API spec. 7K with Safety Clamps. The length of Rotary hose should suit the rig for drilling operations.
4. There shall be 7500 Psi working pressure gate valve on each mud delivery manifold for isolating each slush pump.
5. Pressure bleed offline with valve from each HP mud pump shall be provided and the bleed discharge shall be to the active mud system without any bends and change in diameter in between. The HP bleed line to be anchored properly to avoid vibration and prevent accident.
6. H-manifold shall have arrangements for hole fill-up line and kill line connections of suitable sizes with Gate valves.
7. Necessary anchoring arrangement of all high-pressure delivery lines to be provided.
8. The HP mud pump safety valve shall discharge to the active mud system. The HP pipe downstream from the safety valve shall always be self-drained. The downstream pipe shall be anchored properly.
9. 03 (three) nos. of motor driven centrifugal pumps to be provided for supercharging the mud pumps. Each pump must be compatible to handle Mud having weight up to 20 ppg with appropriate independent suction & delivery manifold mounted on an oil field skid and bidder must categorically confirm the same. Each Supercharger pump must be able to take suction from any of the suction/active tank through a common suction manifold with proper valve system & deliver mud to any of the Slush pump at any point of time with the help of a suitable delivery manifold with proper valve system.
10. Sufficient no. of additional intermediate 7500 psi WP pipes (conforming to API 5L) & 7500 PSI WP vibratory hoses (Grade -E, API 7K), to facilitate extension of the delivery pipe for drilling a minimum of 1 (one) +3 Nos. of cluster wells. [i.e. Total length of additional lines/hoses= (3 x Spacing between two consecutive wells) x 2] Bidder to specify the minimum spacing between two consecutive cluster wells.
11. **GROUND JUNCTION MANIFOLD**: 7500 psi rating ground junction manifold with compatible isolation valves shall be provided to facilitate operation of any single slush pump or any combination of pumps at any given point of time for un-interrupted drilling operation. Ground manifold should be equipped with a 2" inch bleed of point with gate valve of suitable rating.
12. All delivery lines and fittings shall be NDT inspected as per API standard &/or OISD standards every 6 months of drilling. The Contractor shall also provide documentary evidence of API standard &/or OISD standards inspection carried out on delivery lines and fittings at the time of mobilization.

13. Contractor shall submit Calibration/Pressure Test certificates as per standard guidelines for all the Pressure gauges & Reset Relief Valves during mobilization. (111. Apparatus under pressure. - (8), OMR,2017).

14. Contractor shall colour code all the surface lines like Mud lines, water lines, rig air lines, ring line etc as per IS 2379 (1990): Colour code for identification of pipelines.

15. <u>ELECTRICAL COMPLIANCE:</u>

Supercharger pump motor and other auxiliaries viz. junction boxes etc. shall be FLP (Exd) type. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110].

I) POWER PACK: Diesel electric AC-SCR or AC-VFD system complete with the following:

I.1) ENGINES

Minimum 5 (Five) Nos. diesel fuel driven Oilfield engines each having minimum 1000 HP rating to meet the maximum power requirements of the Rig at the maximum possible load (Well depths (TVD) are expected to be up to 6500 Mtrs and extended reach upto 3000 meters. Each power pack should be complete with matching alternator. The alternators (with the engines) shall be suitable for parallel operation. The fuel for the engines should be freely and easily available in India.

The power packs should have acoustic enclosures conforming to latest CPCB/MoEF norms (applicable Indian Noise Pollution & Emission norms).

The exhaust Stack height of each Power pack shall conform to latest CPCB guidelines for DG sets of above 800KW (as per Environment Protection Act 1986). Engine shall be equipped with spark arrestor in exhaust muffler.

Documentary evidence in support of above (i.e., acoustic enclosures & Stack height) should be offered during mobilization of the Rig package.

1. The number of control panels, for the alternators, inside the PCR shall exactly match the number of Rig Power-Packs offered.

2. All the five alternators should be able to synchronize to same bus and share load equally.

3. The above power pack shall conform to the following:

(i) Power pack and SCR House or AC-VFD system control room to be place outside hazardous area, i.e. at a distance of 30 meters (Minimum) from the well centre. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110].

(ii) All components shall be suitable for following ambient conditions:

Temperature: Max. 45° C & Min. 05° C

Humidity: Max. 95% & Min. 60%

Altitude: 100 to 300 M AMSL.

(iii) Suitable de-rating factor shall be taken into account while choosing electrical / electronic components for high ambient temperature condition.

(iv) Engine cooling system shall be designed to withstand above temperature condition and the radiators shall be suitable for maximum 45 deg C ambient temperature.

(v) Adequate air cleaning system and filters shall be provided on all engines to protect these from dust.

(vi) Power pack and electrical controls of the rig shall be complete in all respect to carry out drilling operations to the objective depth. The system shall meet the detailed technical specifications of rig electric system furnished in this document.

(vii) Fixing arrangements of outdoor luminaries (if any) shall be such that this can be installed and dismantled quickly and easily for transportation during the inter-location moves.

(viii) All the power packs shall have minimum 01 no of **Automatic fire detection and suppression system** as per OISD.

I.2) AUXILIARY GENSETS:

1. Offer shall include smaller genset(s) fitted with PESO approved spark arrestor(s) having CPCP approved Acoustic enclosure & exhaust stack height (conforming to latest CPCB norms) suitable for producing and supplying AC power as and when required.

2. Bidder shall provide details of such gensets in their offer.

3. All the IC engines shall be equipped with min 01 no of **Automatic fire detection and suppression system** as per OISD.

J) POWER CONTROL ROOM (PCR):

The PCR should be suitable for diesel electric AC-SCR or AC-VFD system.

1. Rig package shall be complete with all electrical power & control system including drive control cubicles, generator control cubicle, Auxiliary control cubicles/panels to match the auxiliary loads of mud system, water system, fuel system and air system mentioned in this section. Bidder may also quote for one single PCR, if the rig design permits. However, bidder should provide physical dimensions and weight of all the PCRs offered, along with the bid.

2. SCR / VFD System - Suitable SCR / VFD system should be of reputed make. Bidder should indicate detailed technical specifications in techno- commercial bid.

3. Bidder to submit the layout diagram of rig along with their offer showing the placement of power pack at a minimum distance of 30 m from well head.

4. Individual electrical panel for each Slush Pump (03 nos.) for simultaneous operation and Draw-Works shall be available and all drilling motors shall always be connected to PCR. The system should facilitate for running any two slush pumps parallelly in any combination at any point of time. Also, facility to assign/control each of the three (03) Slush pumps shall be available at D'Console.

5. **SMOKE DETECTION SYSTEM**: All the PCRs shall have Smoke detection System, with applicable alarm and indication as per requirement of OISD Std. No: 216 (7.1(xxiv)) for Electrical Safety

K) EMERGENCY HOOTER: The rig should be equipped with one emergency hooter.

L) EMERGENCY SHUT OFF SYSTEM: A pneumatically operated emergency shut off device shall be located in driller's panel and at suitable strategic location. Separate emergency shutdown system shall be provided for generator shut down and drive system shut down.

M) EMERGENCY ALARM: An electrically operated emergency alarm with provision for operating the same from driller's console should be provided.

N) CAGED LADDER, RIDING BELT, FALL ARRESTOR AND EMERGENCY ESCAPE DEVICE ETC.: The riding ladder to crown block shall be equipped with fall arrestor/device. The fall prevention device should meet all applicable Indian or international standard to prevent persons from falling. The ladder shall be equipped with landing platform as per statutory guidelines.

A suitable riding belt to be provided to meet any emergency or to carry out repairs above derrick floor. Suitable & effective emergency escape device from racking board to ground shall be provided. All safety guidelines will be guided by OMR'2017.

O) A flame proof intercom complete system shall be provided between doghouse, PCR room, mud pump, mud attendant's cabin, geologist's cabin, company representative's office and OIL's service provider's operational room.

P) CELLAR PUMPS: Cellar pump should be able to transfer/evacuate Drilling fluid/ cuttings/slurry from bottom of the cellar pit (cellar depth=7 ft approx.) to the height of possum belly/ mud nullah without cellar being overflown

The pump to be driven by explosion proof electric motor or other means (e.g., pneumatic etc.) complete with all suction and delivery lines, for cellar evacuation.

Pump should be suitable for class I, division 2 hazardous areas (as per OSHA) or Zone-I (as per DGMS guideline) and gas group I, IIA & IIB and with Flexible coupling. Alternately, a suitable cellar ejection system is also acceptable.

Cellar pump motor and other auxiliaries viz. junction boxes etc. shall be FLP (Ex-d) type. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110].

Remote PBS placed in hazardous area should have intrinsically safe circuits with a maximum of 30 Volts. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 102(iv)].

Note for Group - I:

Contractor shall provide maintenance schedules as per OEM of all the critical items like Draw-works, TDS, mud pumps, IC engines etc. prior to completion of mobilization.

Q) HYDRAULIC POWER SLIP:

SL NO	**SPECIFICATION**	
1	The slip shall be used for casing, drill pipes, drill collars and tubing of different sizes with single body and suitable size slip inserts/bushings	
2	The product shall be conforming to API-7K and API monogrammed.	
3	Hydraulic Power requirement shall be met from the centralised Hydraulic Power Unit (HPU)	
4	Power slip shall be integrated with driller's control system (Driller's cabin)	
5	The slip shall be supplied with bushings/inserts for tubular range as mentioned below.	
6	**Technical Specification:**	
7	Rotary size	37-1/2"
8	Load Rating	500 Short Ton

9	Torque	45,000 ft. lbs
10	Range of tubular	
11	Drill pipe	2-3/8", 2-7/8", 3 ½", 5.1/2" 6-5/8"
12	Drill collar	3.1/2",4-3/4", 6.3/4",6 ½", 8", 9 ½"
13	Casing	4.1/2, 5", 5 ½", 7", 7.5/8", 9-5/8", 10, 10.3/4", 13-3/8", 20" and 26"
14	Tubing	2 -7/8", 3-1/2"

R) AUTOMATED CATWALK/HYDRAULIC CATWALK:

Power Catwalk consisting of Catwalk, Pipe rack, Carrier, V-door rack, fully automated control system with additional Remote-control unit(s), Hydraulic unit for power catwalk system and other associated items.

Sl. No.	**HYDRAULIC CATWALK: FEATURES**	
1	One (1) Hydraulic Catwalk suitable for Rig floor height (minimum 35 Ft)	
2	It should be capable of handling pipes (Drill pipes, Drill Collars, Casing and Tubing) of diameter 2 3/8" to 24" including 10" drill collars. Bidder to indicate Cycle speed of hydraulic catwalk.	
3	Remotely operated hydraulic Gull wings shall be provided on both sides for aiding in the process of handling tubular from both sides.	
4	The unit complete with Pipe Indexers, hydraulic levelling jack, Tubular lay down shovel, emergency stop button strategically placed shall be provided	
5	V-door ramp functionality shall be maintained if Hydraulic catwalk control system is not working.	
6	**Technical Specification:**	
7	Lifting capacity	10,000 lbs
8	Tubular range:	
	Drill Pipe	2 3/8" thru 6 5/8" OD
	Drill Collars	Upto 10" OD
	Casing size	Upto 24" OD
9	Hydraulic Catwalk Controls	
10	The unit shall also have provision for wireless remote operation control as well as from the unit	
11	Catwalk should have an inbuilt system to automatically measure pipe lengths and input to drilling control system for making pipe tally automatically.	
12	The hydraulic catwalk should be designed to facilitate ease of transportation so that the overall dimensions of individual components after disassembly for inter location rig movement are within the limit of overall dimensions for transportation with and without skid respectively, irrespective of total length of the hydraulic catwalk in assembled condition.	

Note:

1. Pipe Racks with indexers to transfer tubular to and from either side of the catwalk.
2. Tubular Handling capabilities of hydraulic carrier: Carrier to allow presentation of tubular to drill floor at correct angle and height to facilitate a safe and efficient transfer to and from the elevator. Carrier to have safety pins that engage automatically to prevent inadvertently rolling off of tubular from carrier with separate hydraulic power unit.
3. Fully automated control system with safety features and additional remote-control unit to be operable from a safe distance.
4. Catwalk, pipe rack system and V-Door ramp to be usable as conventional system for handling bigger/ heavier tubular.

Note:

Bidder must submit a notarized 'Memorandum of understanding (MOU)' between the manufacturer and the bidder for support in the maintenance of the **Automated Catwalk/Hydraulic Catwalk** system during mobilisation. Bidder must submit an undertaking in this regard along with their technical bid.

S) HYDRAULIC CASING RUNNING TOOL:

Hydraulic Casing Running Tool (CRT) that can be attached to TDS with torque-turn capability integrated into the drillers console and rig control system. Hydraulic lines for operation of CRT shall be integrated in the TDS to minimize rig up and down time. The CRT shall be capable of handling 4½" upto 13-3/8" casings sizes both API and Premium types.

1.0	**CASING RUNNING TOOL (CRT):** One (1) Casing Running Tool (Preferred Make: National Oilwell Varco, Baker Hughes, Tesco or Weatherford or Canrig), for lowering casing of sizes 4-½" to 13.3/8" by connecting to the Top Drive System main shaft. The casing running tool (CST) should be able to hoist, lower, spin out and make up the casing connection. It should also have the ability to fill up and rotate the casing string while circulating.
SYSTEM COMPONENTS:	
1.1	Hoist and Torque Tool.
1.2	Adjustable Link-Tilt Frame.
1.3	Pipe Weight Compensator.
1.4	Pipe Sensor.
1.5	Single Joint handling assembly (Hydraulically operated single joint elevator, cylinder assembly for link tilt / Link tilt assembly, frame for housing the components).
1.6	Hydraulic / Air Swivel
1.7	Fill up and Circulating Tool
1.8	CRT Monitor.
1.9	Hydraulic Controls and Hydraulic Power Unit
1.10	Hoist and Torque Tool.

SPECIFICATION:		
1.11	Hoist Rating (API 8C)	500 short ton
1.12	Casing Size	4.1/2, 5", 5 ½", 7", 7.5/8", 9-5/8", 10, 10.3/4", 13.5/8",13-3/8", 20"
1.13	Fill Up and Circulation	4.1/2" to 9-7/8" Fill up & circulation
1.14	Maximum Circulation Pressure	5000 psi
1.15	Rotational Speed	0 – 20 RPM
1.16	Maximum Push down Force	5,000 psi / 34,500 kPa 5,000 psi for 4-½" to 5-½" casing 4,000 psi for 7" casing 2,000 – 2,500 psi for 9-⅝" to 9-⅞" casing
1.17	Maximum Torque	35,000 ft-lbs.
1.18	Compensator Capacity @ 90 psi air supply	8,500 lbs (3,900 Kg)
1.19	Link Tilt out distance	15 FT (4.5m)
1.20	Shaft Connection	NC50 (4-½" IF) API RH Box Or 6-⅝" Reg API RH Box with cross over to 4-½" IF API RH Box

Note:

Bidder must submit a notarized 'Memorandum of understanding (MOU)' between the manufacturer and the bidder for support in the maintenance of the **Hydraulic Casing Running Tool** during mobilisation. Bidder must submit an undertaking in this regard along with their technical bid.

5.2. GROUP – II

5.2.1. BOP STACK AND WELL CONTROL EQUIPMENT (As per applicable API specifications): All items including but not limited to those mentioned below shall be supplied by the contractor.

A) BOP STACKS / SPOOLS:

1. One no 21.¼" x 2M OR 20.¾" x 3M Annular BOP (Cameron/Cameron Schlumberger/ Shaffer/Shaffer – NOV /Hydril/Hydril- GE/ WOM) make only with bottom flange/ adopter flange to fit with 20.¾" x 3M working pressure, drilling spool.

2. *One no. 21.¼"x2M OR 20.¾"x3M Drilling Diverter spool of 1000 psi rating complete with all necessary fittings and 2 (two) nos. of suitable side outlets not less than 7.1/16" OD and 30" overall length to be used with 21.¼"x2M OR 20.¾"x3M Ann BOP. This item must be compatible with item no (i) above and to be installed on top of Company provided 20. ¾"x3M Casing Head Housing.*

Note*: In case of 21.1/4" x 2M Drilling Diverter system, a suitable double studded cross-over flange or cross-over spool i.e. 20.3/4" x 3M to 21.1/4" x 2M complete with all required studs, nuts, ring joint gaskets, etc. should be provided for installation of 21.1/4" x 2M Drilling Diverter over the 20.3/4" x 3M Casing Head Housing.*

3. 01 (one) Single RAM BOP (Cameron/Cameron- Schlumberger/ Shaffer/Shaffer – NOV /Hydril/Hydril- GE/ WOM only) 20.3/4" x 3M or 21.1/4" x 2M with sets of blind rams, 13.3/8" & 5.5" pipe ram.

Note:

a) In case of 21.1/4" x 2M a suitable double studded cross-over flange or cross-over spool i.e. 20.3/4" x 3M to 21.1/4" x 2M complete with all required studs, nuts, ring joint gaskets, etc. should be provided for installation of 21.1/4" x 2M Single Ram BOP over the 20.3/4" x 3M Casing Head Housing.)

b) Both Annular BOP as well as Single Ram BOP should be of same size and rating i.e. either these should be 21.1/4" x 2M or 20.3/4" x 3M.

4. 01 (One) minimum ***13.⅝" x 10000 psi Annular/Spherical BOP*** with bottom flange of 13.⅝" x 15 M Working Pressure (BOPs (Cameron/Cameron Schlumberger/ Shaffer/Shaffer – NOV /Hydril/Hydril- GE/ WOM) make only.

5. 01 (One) double ram BOP, 13.5/8" x 15000 psi (Cameron/Cameron-Schlumberger/ Shaffer/Shaffer – NOV /Hydril/Hydril- GE/ WOM only) having top & bottom flange of 13.⅝" x 15 M Working Pressure with blind Shear ram of minimum capacity to shear 21.9 PPF 5.1/2" OD D/P S grade, with Rams of 10¾", 10", 9⅝", 7⅝", 7", 5½", 5", 4½", 3½" and 2⅞" rams and 4½" to 10¾" variable pipe ram. The BOP shall be complete with at least 2 (two) $3^{1}/_{16}$" x 15 M flanged side outlets (i.e., one beneath each set of rams), ring joint gaskets, blind flanges and required stud & nuts.

6. 01 (One) single ram BOP, 13.5/8" x 15000psi (Cameron/Cameron- Schlumberger/ Shaffer/Shaffer – NOV /Hydril/Hydril- GE/ WOM only) having top & bottom flange of 13.5/8" x 15 M Working Pressure with 10¾", 10", 9⅝", 7⅝", 7", 5½", 4½", 3½" and 2⅞" rams and 4½" to 10¾" variable pipe ram. The BOP shall be complete with at least 1 (one) 3.1/16" x 15M flanged side outlets (i.e. beneath the set of ram), ring joint gaskets, blind flange and required stud & nuts.

7. Adapter Spool of 13.5/8" x 15M (BOP side) to 11" x 15M – 01(One) number

Following accessories shall be supplied with:

(a) Changeover flange of 2.1/16"x 15 M with 2" x 1502 hammer union
(b) Cross-over flanges, 2.1/16" x 15M to 3.1/16" x 15M (for connecting to 3.1/16" x 15M choke & 2.1/16" x 15 M kill manifold).
(c) API gate valve, 2.1/16", flanged end, 15000 psi WP.
(d) Double studded crossover flange, 11", 15M to 10M as well as 15 M to 5 M.
(e) Adapter Spool 13.5/8' x 15M to 11" x 15M.
(f) DSAF of 11" x 15M to 11" x 10M and 11" x 15M to 7.1/16 15M
All required ring joint gaskets, studs & nuts as required.

8. Drilling Spool, Spacer spool, Change Spool with all accessories for nipple- up of above BOPs to be provided.

9. One set of suitable Top seal plus front packer elements and 1 set of blind rams should be supplied with the above BOP's.

10. BOP's should have crossover / Adapter flange to match 5000psi & 10000 psi well head i.e., 13.⅝" x 5000Psi, 13.5/8" x 10000 psi, 11" x 10000Psi.

11. The Contractor shall provide the following:

a) New and unused Ring joint gaskets for all flanges with sufficient quantity as spares.

b) Adequate no. of studs & nuts for all flanges and wrenches to suit all nuts.

c) Operational spares for contractor's BOPs both annular and ram, including ram sub-assemblies of sizes to suit various tubular sizes including blind ram.

d) Annular BOP sealing element.

e) Maintenance / overhauling / repair services for above BOPs.

12. DRILLING SPOOL

a) 20.¾" x 3000 psi: 1 No.: (30" - 36" high).

b) 13.⅝" x 15,000 psi: 1 No. (18" - 20" high).

Notes:

(i) With facility for hooking up choke / kill lines having flanged side outlet of 3.1/16" in the same plane but in opposite directions.

(ii) 21.1/4" x 2000 psi drilling spool is also acceptable in case the annular & and single ram BOP offered are of 21.1/4" x 2000 psi rating.

13. Cross-over/adapter spool with bottom flange of 20.¾" x 3000 psi and top flange of 21.1/4" x 2000 PSI – 01 No.

14. One no. adapter spool of either 18.3/4" x 5K (Bottom Flange) – 20.3/4"x3K (Top Flange) if offered Annular BOP is 20.3/4"x3K **OR** 18.3/4"x5K (Bottom Flange) – 21.1/4"x2K (Top Flange) if offered Annular BOP is 21.1/4"x2K. Accordingly, Bidder has to supply required spacer or drilling spool for height adjustment.

15. Companion flanges of appropriate sizes and numbers and suitable for all BOP outlets, kill, choke, check valves and lines etc.

16. All BOPs shall be complete with sufficient numbers of studs with nuts & ring joint gaskets.

17. Suitable risers with provision for hole filling line.

18. Poor boy swivel and d/pipe shut-in valve 15000 PSI WP with compatible R/hose & D/pipe connections.

19. The contractor shall bring adequate quantity of studs, and ring joint gaskets and wrenches for hooking up all the above sizes of stacks and also for replacement of damaged ones.

20. The ultimate responsibility of making the well head complete lies with the contractor. Contractor shall identify and bring all other items, which are not mentioned above but required to carry out drilling operation. (Well head stack-up drawing can be provided to the Contractor prior to mobilization).

21. Bidder should provide a schematic diagram with the dimensions of BOP stacks for different sizes and stages of completion.

22. All above BOPs should be hydraulically operated with hydraulic/ manual locking arrangement.

23. BOPs to be installed, tested & operated as per API RP53.

24. All Adapter flanges, spools, DSAs, flanges, etc. shall be as per API Spec 16A, Latest Edition.

Notes:

a) BOPs should be either brand new or re-certified.

b) In case of Brand new BOPs, the make should be as enlisted above in the **Clause No- A.**

c) In case of recertified BOPs, recertification should be done as per **OISD STD 174 (latest edition).** As a proof of recertification, the bidder should submit the certificate of conformance (COC). Name plate clearly mentioning SL No must be available on all BOPs.

d) All pressure gauges and safety valves on the BOP control unit and remote panel should be calibrated at least once in every six months as per OMR 2017.

e) BOP control lines from control unit to BOP stack should be pressure tested at maximum operating pressure on installation as per OISD STD 174 (latest edition).

f) The Certificate of conformance (COC) should not be more than 01(One) year old or the certificate should be valid covering the primary contract period including extension, if any from the completion of mobilization of the Rig package. However, if recertification is older than 01 year and validity of recertification does not cover the contract period, then Contractor should arrange to recertify the BOP during the execution of contract by providing replacement & acceptable BOP (having valid recertification in case of old BOP). If Contractor fails to provide replacement BOP while sending it for recertification but Company decides to continue normal operation, then it will be considered as short supply item and applicable penalty shall be levied on Contractor as per contractual T&C.

B) CHOKE & KILL MANIFOLD (As per API Spec. 16 C)

1. One set of 3.1/16" x 15,000 psi choke and 2.1/16" x 15 m kill manifold rigidly supported, with two each of manually and hydraulically operated chokes. As per API Spec. 16C, Latest Edition, including control console mounted at derrick floor showing all necessary parameters.

2. In case of recertified Choke manifold, recertification should be done as per OISD STD 174 (latest edition), following API 16 C (latest edition) guidelines by an API 16C approved facility having API 16C/API Q1 certification for the specific type of choke manifold. As a proof of recertification bidder should submit the certificate of conformance (COC) and API 16C/API Q1 certification of the facility where it is recertified. The Certificate of conformance (COC) should not be more than 01(One) year old or the certificate should be valid covering the primary contract period including extension, if any from the completion of mobilization of the Rig package.

Notes:

(a) Kill lines should be minimum 2" nominal size and choke line should be minimum 3" nominal size.

(b) Size of choke line and choke manifold should be same. Minimum nominal inside ID for downstream chokes shall be equal to or greater than the nominal connection size of the choke inlet and outlet.

3. The drilling spool should have side valves consisting of two each of manually operated and hydraulically operated gate valves, on two sides, size - 3.1/16" x

15,000 psi along with one number of check valves on kill line Or The drilling spool should have side valves consisting of two each of manually operated and hydraulically operated gate valves, on two sides, with one size - 3.1/16" x 15,000 psi (For Choke line) and 2.1/16" x 15,000 psi (For Kill line) along with one number of check valves on kill line.

4. BOP/Drilling Spool side valves should consist of two each of manually operated and hydraulically operated gate valves, on two sides, with size - 3.1/16" x 15,000 psi (For Choke line) and 2.1/16" x 15,000 psi (For Kill line) along with one number of check valves on kill line.

5. Kill lines and choke lines, articulated or flexible (Co-flexi preferred) of sufficient lengths to match drilling spool side outlet connections and kill/choke manifold connections.

NOTE:

Kill pump will be placed at least 150 ft away from well bore).

6. 15000 Psi WP rigidly supported kill manifold with provision for connection onto slush pumps and high-pressure killing pump by means of 2" ID x 15000 Psi chicksan hoses.

7. Adequate number of 2" ID x 15000 Psi chicksan hoses for hooking up well killing pump, test lines, emergency kill line etc.

8. Choke & kill manifolds shall be complete with all necessary studs & nuts, ring joint gaskets & fittings etc.

C) BOP CONTROL UNIT (As per API Spec. 16 D)

i) One (1) No. Koomey or internationally fields proven reputed make skid mounted accumulator & Control Unit for BOP, 3000 Psi WP to suit BOP and choke & kill manifold configuration with two remote controls, adequate reservoir capacity to meet all the requirements & complete with skid mounted pipe racks to keep the control unit at about 150 ft. away from the well. The unit shall consist of adequate number of accumulators of 11/15 gallon capacity each, & complete with necessary pressure actuator switches to make unit both automatic & manual. Bidder to forward the work sheet indicating the reservoir capacity & accumulator capacity along with the techno-commercial bid.

ii) Arrangements for charging the accumulators with nitrogen, as and when required.

iii) BOP control unit shall be complete with at least two pump systems, each having independent dedicated power sources, electrical and/or air operated pressurizing system, capable of pressurizing up to 3000 psi. as per API Spec 16D guidelines.

iv) In case of recertified BOPCU, recertification should be done as per OISD STD 174 (latest edition). The Certificate of conformance (COC) should not be more than 01(One) year old, or the certificate should be valid covering the primary contract period including extension, if any from the completion of mobilization of the Rig package.

v) Adequate number of hydraulic accumulators, adequate capacity reserve tanks and all necessary fittings for safe operation of the BOP stack as specified earlier. OIL reserves the right to increase/decrease the reservoir / accumulator sizes.

vi) BOP remote control unit with graphic visual display, one on the derrick floor and another on the opposite side, at least 150' feet (46 Mtrs.) away from the well bore.

vii) BOP motor and other electrical equipment viz. starter, junction box, PBS etc. used with BOP system shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110].

viii) **There shall be an automatic Ex-certified emergency lighting system at the BOP control unit**.

ix) Sufficient number of high-pressure control lines shall be made available in pipe rack for connection between BOP & control Unit placed 150' away. Also, adequate length of air hose bundles for connection of both remote-control panels.

x) The pre charge pressure of Nitrogen in accumulator control unit bottles should be adjusted within 100 psi of the recommended precharge pressure during installation and at start of drilling (interval not to exceed 60 days) as per OISD-STD -174(Latest Edition)

xi) All pressure gauges on the BOP control unit and remote panel should be calibrated at least once in every six months as per OMR 2017.

xii) BOP control lines from control unit to BOP stack should be pressure tested at maximum operating pressure on installation as per OISD-STD-174.(Latest Edition)

D) WELL CONTROL ACCESSORIES & TESTING UNIT

i) One no. of FOSV suitable for 5½", 3½", 2⅞" drill pipe connection having pressure ratings to suit BOP stack rating.

ii) IBOP suitable for 5½", 3½", 2⅞" drill pipe connections having pressure ratings to suit BOP stack rating.

iii) One (1) set of Portable High-Pressure Testing Unit having a nominal working pressure of 22,500 psi. should be provided by the contractor for pressure testing of BOPs & various equipment as & when required. The unit should consist of the following:

Suitable pneumatic or electric pump(s), High pressure testing manifold complete with 0- 20,000 psi gauge, high pressure test stump for testing BOPs, all required valves (incl. safety & bypass), high pressure fittings, etc., fluid reservoir, 0-20000 psi recorder with charts, 20,000 psi rated test hoses with all required fittings, etc.

iv) Cup Testers for all sizes of casing as per Table no.- 1 of Clause 4.3 above with facility of interchange ability of cup to suit different weight of casings, shall be provided by the Contractor.

Note:

All wellhead equipment / accessories viz. BOPs, spools, choke and kill manifolds, BOP Control Units etc. should be pressure tested to its rated capacity as per API RP53, OISD & OMR norms and test reports made available to the Company Representative.

E) HIGH PRESSURE WELL KILLING PUMP:

i) One Engine Driven (equipped with speed reduction Gear Box / Transmission Box) OPI 500AWS (15,000PSI) or equivalent High-pressure Low discharge plunger pump having plunger size of 2¾" or 3½" or 4" or 4½" of minimum 15,000 PSI working pressure with Stroke length upto 8".

ii) The kill pump is to be equipped and supplied with suitable Engine Driven supercharger pump mounted on the skid itself, all the safety features and control mechanism, minimum 300 feet or 90 mtrs. of 2" delivery line (flexible pipe at both ends) of 15,000 PSI rating to connect with well head / Stand-pipe manifold, suitable suction line(s), necessary connections / fittings along with a 60 bbl. (approx.) capacity Suction Tank to be connected with the pump. There should be arrangement of supply of drilling fluid / water etc. to the tank as and when required.

5.2.2 TUBULARS- [New/ Premium Grade- (API (NDT) inspection report)]

A) DRILL PIPE / PUP JOINT (AS PER API SPECIFICATION 5DP):

Contractor shall provide new/unused Drill pipes and Pup joints. Supporting document in the form of manufacturer's certificate to this effect should be forwarded prior to mobilization. However, Premium grade drill pipes & drill pipe pup joints with recent NDT inspection as per **API standard /DS 1 Level 5 Inspection from the OEM or the OEM authorised agency.** Necessary documents to be provided including authorization from OEM.

But OIL reserves the right to inspect at random and verify through independent NDT inspectors for acceptance. In case of non-acceptance of the drill pipes & drill pipe pup joints due to any discrepancy, contractor shall have to re-inspect the whole drill pipes and drill pipe pup joints in presence of OIL's representative at their own cost.

1. Minimum 6400 meter of 5½" OD, 24.7 ppf, Grade 'S135' Drill pipes, Internal External upset in range 2 length having Double Shoulder Tool Joint (DSTJ) or XT54 or XT57 or 5.1/2 FH Connection (Tool Joint OD 7" & ID 4" or 4½" ID) with ARNCO 350XT hard banding on box ends.
2. Minimum 2000 m of 3½" OD, 15.5 ppf, Grade 'S135' Drill pipes Internal External upset in range 2 length having XT-38 or NC-38 or 3 1/2″ IF Tool Joint Connection (Tool Joint OD 4⅞" & ID 2.9/16" ID) with hard banding on box ends.
3. Minimum 600 m of 2-7/8" or 2-3/8" OD, 10.4 ppf, Grade 'S135' or XD-105 Drill pipes, External upset in range 2 length having SLH90 or NC 26 or HT-PAC or 2.7/8" IF Tool Tool Joint Connection (Tool Joint OD 3⅞" & ID 2" ID) without hard banding.
4. 3 Nos. each of 5½", 3½" & 2⅞" /2.3/8" OD (Same as 2.7/8 or 2.3/8 Drill pipe offer), drill pipe pup joints of 5 ft.,10 ft. and 15 ft. length with identical specifications as above but without hard banding.
5. Rubber protector(s) are deleted, if any, appearing anywhere in the tender document.

B) DRILL COLLARS & HEAVY WEIGHT DRILL PIPE:

Contractor shall provide new/unused or used (NDT certified) drill collars and heavy weight drill pipes. For new/unused drill collars and heavy weight drill pipes supporting documents in the form of manufacturer's certificate to this effect should be forwarded prior to mobilization. For used drill collars and heavy weight

drill pipes NDT inspection (as per TH Hill, DS-I, category-5) certificates to be furnished in this regard prior to mobilization.

1. Nine (09) nos. 9½" OD, 3" ID, spiral drill collars, 30-31 ft long, with 7⅝" API Regular connections, having bore-back box and stress relief pin.
2. Twelve (12) nos. 8" OD, 3" or 2-13/16" ID, spiral drill collars, 30-31 ft long, with 6-5/8 API Regular connections, having bore-back box and stress relief pin.
3. Eighteen (18) nos. 6¾" OD, 2-13/16" ID, spiral drill collars, 30-31 ft. long, with 4½" API IF connections, having bore-back box and stress relief pin.
4. Twelve (12) nos. 4¾" OD, 2¼" ID, spiral drill collars, 30-31 ft. long, with 3½" API IF connections, having bore-back box and stress relief pin.
5. Six (6) nos. 3-1/2" OD, 1-1/2" ID, spiral / slick drill collars, 30-31 ft. long, with 2-3/8 API IF connections, having bore-back box and stress relief pin.
6. Thirty (30) nos. 5-1/2" OD, 3-1/4" ID, approx. 60 PPF, 30-31 ft. long having 7" OD x 3- 1/4" ID Tool Joints "Conventional heavy-weight (thick wall)" drill pipes with Double Shoulder Tool Joint (DSTJ) , XT57 or XT54 box-up & pin down connection. However, bidder should provide the requisite cross over /adaptor subs compatible with the drill string.
7. Sixty (60) nos. 3.1/2" OD, 2-9/16" ID, approx. 28 PPF, 30-31 ft. long, 4- 7/8" OD x 2- 9/16" ID Tool Joints "Conventional heavy-weight (thick wall)" drill pipes with XT38 or NC38 box up & pin down connection.
8. Nine (9) nos. 2-7/8" or 2-3/8" OD, 1-1/2" ID, approx. 16 PPF, 30-31 ft long, 3.3/8" OD x 1-1/2" ID Tool Joints "Spiral heavy-weight (thick wall)" drill pipes with SLH90 or NC 26 or HT-PAC box-up & pin down connection with stress relief grooves.
9. Minor variation in dimension for drill collars and heavy weight drill pipes shall be acceptable subject to fulfilling of technical specs. But Contractor shall be responsible for all the required change subs for completing the combination drill string in various sections.

Note:

Bidder should provide the requisite cross over /adaptor subs Compatible with the OIL's drill string as mentioned.

C) <u>ONE LOT OF NECESSARY SUBSTITUTES, STABILIZERS, REQUIRED FOR DRILL STRING AS WELL AS FOR COMBINATION STRING</u>:

All items including but not limited to those mentioned below shall be supplied by the contractor. Should be supported by API (NDT) inspection report Should be supported by API (NDT) inspection report (to be furnished prior to mobilization).

C.1. <u>BIT SUBS /FLOAT SUBS/CROSS OVER SUBS: (As per API Spec 7-1)</u>

1. 1 No. 9.1/2" OD x 7.⅝" API regular double box bit subs with recess for Baker back pressure valve insert.

2. 2 Nos. 6.1/2" OD x 4.1/2" API regular box down x 6.1/2" OD x 4" IF (NC 46) box up bit subs.

3. 2 Nos. 9.1/2" OD x 7.⅝" API regular box down x 8" OD x 6.⅝" API regular box up bit sub with provision for back pressure valve insert.

4. 2 Nos. 8" OD x 6.⅝" API regular double box bit sub with provision for back pressure valve insert.

5. 2 Nos. 4.¾" OD (3.1/2" Regular Box – NC-35 Regular Box) bit sub.

6. 2 Nos. 3.1/2" OD DC

7. 2 Nos 6¾ OD DC

C.2. CROSS OVER SUB

1. 1 No. 6½" OD x 4" IF box up, 9½" OD x 7⅝" API regular pin down cross over subs.

2. 2 Nos. 4" IF box up x 6⅝" API Regular pin down crossover bottle neck subs.

3. 3 Nos. of 6½" OD cross over sub with 4½" API IF Box up x 4" API IF Pin down connection.

4. 1 No. 6½" OD cross over subs with 4½" API regular pin down and 4½" IF box up connections.

5. 1 No. 8" OD x 6⅝" API regular box up and 9½" OD x 7⅝" API regular pin down cross over sub.

6. 2 Nos. of 4½" IF Box up x 6.⅝" API Reg. Pin down bottle neck sub.

7. 2 Nos. of NC35 Box up x 4.1/2" Pin down bottle neck sub.

8. 2 Nos Cross over sub compatible with connections XT-57(5½" grade "S" Drill pipe) and XT-39(3½" grade "S" Drill pipe).

9. Double pin sub of undernoted connection with appropriate OD x ID

a) 4" IF x 4½" API Reg.: 1 No.

b) 6⅝" R - 6⅝" R: 1 No.

c) 6⅝" R -7⅝" R: 1 No.

Note: Bit Sub with NC 35 / NC 38 & Cross Over Sub with NC 35 / NC 38 connection in line with thread connection of 4 ¾" OD drill collar offered against **clause B (4)** above.

Note to C.1. and C.2.: The Contractor shall provide sufficient numbers (along with backups for uninterrupted operations) of all necessary Bit subs/Float subs/Cross over subs suitable for completing the various combination of drill strings required for different hole sections. All the subs provided herewith shall have to meet the technical specs of the string. The connections (i.e. DSTJ or XT as mentioned above) of cross over subs must match with offered tubulars as mentioned above. Company shall inspect the subs during mobilization to confirm compatibility. In this respect Contractor shall submit a detail list of the subs with justification.

C.3. STABILIZERS

1. One set 26" in-string integral blade / replaceable sleeve type stabilizers having 7⅝" API regular connection for 26" hole.

2. One set 17½" sleeve type or Integral blade type stabilizers with mandrel size 9½" OD & 7⅝" API regular connections and with adequate nos. of replaceable sleeves.

3. One set 12¼" sleeve type or Integral blade type stabilizers with mandrel 8" OD, 6⅝" API Reg. Connection. This stabilizer shall be used in conjunction with 12¼" sleeve. Adequate number of replaceable sleeves shall be available as backup.

4. One set 9½" sleeve type or Integral blade type stabilizers having 4" IF box up x 4½" regular box down connection respectively, and with adequate numbers of replaceable sleeves.

5. One set 8½" sleeve type or Integral blade type stabilizers having 4" IF box up x 4½" regular box down connection respectively, and with adequate numbers of replaceable sleeves.

6. One set 6" sleeve type or Integral blade type stabilizers having 3½" Regular Box – NC-35 Regular Box down connection respectively, and with adequate numbers of replaceable sleeves.

NOTE:

a) One set means 01 number of near bit (Double box) & 03 nos. of string (PIN-BOX) stabilizers with easily replaceable or integral blade type.

b) It will be the responsibility of the contractor to ensure that Stabilizers should be in perfect working condition with required gauges and at any point of time operation should not be hampered due to its schedule/preventive maintenance or breakdown or non-availability. Contractor may keep additional quantities for un-interrupted operations.

C.4. OTHER SUBS

All rotary substitutes and other substitutes (with matching technical specs) necessary in drill string / fishing string / pressure lines etc. required to carry out drilling and all other rig operations shall be supplied by the contractor in sufficient quantity, and it will be contractor's responsibility to find out the requirement. The contractor shall also provide the necessary substitutes required to use 3½" or 2⅞" OD EUE and/or 3½" or 2⅞" OD NUE premium connection tubing.

D) NDT TESTING:

All tubular, rotary substitutes shall be NDT inspected as per API standard after completion of every 6 months of drilling. Contractor shall also provide documentary evidence of API standard inspection carried out on tubular and rotary substitute at the time of mobilization.

NOTE to A, B, C & D: Contractor shall keep sufficient backup of the above-mentioned tubulars/tools and replenish the same from time to time to cater any shortfall arising out of NDT rejection, damaged or lost in hole situation. It is the contractor's responsibility to maintain sufficient stock and ensure uninterrupted services at all time. Company at its discretion may provide item/equipment/accessories /tools to the contractor in exceptional cases only on rental basis subject to availability and will be guided as per the clause 2.4.2 of SCC.

E) HANDLING TOOL

All items, including but not limited to those mentioned below shall be supplied by the contractor. Please note that the ultimate responsibility lies with the contractor for supply of all handling tools as per their inventory of items.

E.1 ELEVATORS

1. 1 Set consisting of total two nos. 500 tons capacity, 13⅜" spider dressed as elevator and slip complete with all accessories and slip assemblies to handle 4½", 5½", 7", 7⅝", 9⅝", 10", 10¾", 13⅜" casing.
2. Two (2) Nos. each of 150 Ton capacity side door elevators suitable for 26" Casings.
3. Two (2) Nos. each of 150 Ton capacity side door elevators suitable for 20" Casings.
4. Two (2) Nos. each of 250 Ton capacity side door elevators suitable for 13.3/8", 10", 10¾", 9.⅝", 7⅝", 7", 5½", 5" & 4½" Casings.
5. One (1) No. each of 4 Ton or 5 Ton capacity Single joint elevators complete with swivel and sling assembly suitable for 26", 20",13.5/8", 13⅜", 10", 10¾", 9⅝", 7⅝", 7", 5½", 5" & 4½" Casings.

6. 2 Nos. each centre latch elevator, capacity 150 ton, for 9½", 8", 6½" & 4¾" drill collars (for use in conjunction with lift plug only).
7. Two (2) Nos. Centre latch elevator, capacity 500 ton, for 5½" OD drill pipes. Elevator should match type of shoulder of pipe offered by contractor.
8. Deleted
9. Two (2) Nos. centre latch elevator, 250 tons capacity for 3½" OD drill pipe. Elevator should match type of shoulder of pipe offered by contractor.
10. 2 Nos. centre latch elevator, 150 tons capacity for 3½" OD SLH90 drill pipe (tool joint OD 3⅞").
11. Two (2) Nos. centre latch elevator, 150 tons capacity for 2⅞" OD SLH-90 drill pipe. Elevator should match type of shoulder of pipe offered by contractor.
12. 2 Nos. each of centre latch elevators, capacity 150 ton, for 2⅞" OD EUE tubing and 2⅞" OD NUE premium tubing.
13. 2 nos of elevators for all sizes of drill collars.
14. Any other handling tool as felt necessary by the contractor. Supply of elevators for all sizes of tubular with replaceable spares shall be the responsibility of the contractor.
15. Lift plugs in sufficient quantity for all sizes & nos. of drill collars.

E.2 ROTARY SLIPS (BACK UP EQUIPMENTS]

1. One (01) No. of PS-21 or equivalent power slips with rated capacity of 500 Ton with all required accessories and suitable for 37½" rotary table for handling following tubular:
   a) 20", 13⅜", 10", 10¾", 9⅝", 7⅝", 7", 5½" and 4½" OD casings
   b) 9½", 8", 6¾", 4¾" and 3½" OD drill collars.
   c) 5½", 3½" and 2⅞" OD drill pipes.
   d) 3½" and 2⅞" OD Tubing.
2. One (1) No. each Casing hand slips each suitable for use with 37½" rotary table for handling: 26" (OPTIONAL) and 20" OD casings.
3. 1 No. Casing hand slips each for 37½" rotary table for handling: 13.5/8" (OPTIONAL),13⅜", 10¾" (OPTIONAL), 10" (OPTIONAL), 9⅝", 7.5/8" (OPTIONAL) 7", 5½" & 4½" casings.
4. Two (2) Nos. rotary hand slips suitable for use with 37½" rotary table for handling 3½" OD drill collars.
5. Any other handling tools as felt necessary by the contractor. Supply of slips for all sizes of tubular with replaceable spares shall be the responsibility of the contractor.

E.3 SAFETY CLAMPS: Safety clamps to handle all sizes of drill collars.

E.4 CASING FILL UP AND CIRCULATING TOOL

Casing fill-up and circulating tool for 26", 20", 13.5/8",13⅜", 10¾", 10", 9⅝", 7⅝", 7", 5½" and 4½" OD casings with adequate pressure rating and pressure tested or any other arrangement as per CRT design

E.5 RIG TONGS:

Complete sets of Rotary tongs in pairs with 2 sets of extra jaws and replaceable spares of required capacities & sizes to handle the following tubular:

1. Type BV-100 or equivalent for handling following tubular:
   (i) 5½" and 3½" OD drill pipes / heavy weight drill pipes.
   (ii) 9½", 8", 6¾", 4¾" & 3½" OD drill collars.
   (iii) 26",20", 13⅜", 9⅝", 7.5/8",7", 5½" & 4½" OD casings.
2. Type BV-35 or equivalent for handling following tubular:
   i) 2⅞" OD drill pipes / heavy weight drill pipes.
   ii) 3½" OD drill collars. Questionnaire
3. Tubing tongs for 3½" & 2⅞" OD tubing (i.e., both for EUE & NUE premium tubing) including coupling tong.

Note: In case the rig is equipped with Iron Rough neck with part range /complete range of tubulars, same is also acceptable.

E.6 HYDRAULIC / PNEUMATIC TUBULAR HANDLING TOOLS

1. Hydraulic power casing tongs (with sufficient back-up) complete with all accessories and hydraulic power unit with suitable prime mover (electric motor or diesel engine), standard accessories and pivot head for: 26", 20",13.5/8", 13.3/8", 10¾", 10", 9⅝", 7⅝", 7", 5½", 5" & 4½". The tongs should be rated for a torque of minimum 35000 ft-lbs casing: 2 Nos.
2. Hydraulic Power Tubing Tong (with sufficient back-up) complete with all accessories including back-up assembly and hydraulic power unit with suitable prime mover for handling 2⅞" & 3½" OD (EUE / NUE Premium tubing) with torque capacity of around 8000 ft-lbs.
3. The operator(s) for power casing tong shall be provided by the contractor at their own cost.
4. Any other tongs as felt necessary by the contractor to facilitate handling of specified casings / tubings. Supply of tongs for all the above specified tubular jobs shall be the responsibility of the contractor.
5. Electrical motor and other electrical equipment viz. starter, junction box, PBS etc. used with tubular handling tools shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110].

E.7 ELEVATOR LINKS:

Weld-less links of suitable length & capacity to match the hoisting equipment.

F) BIT BREAKER / THREAD PROTECTORS / NOZZLES GAUGE / STABILIZER GAUGE

1. Atleast one (1) No. each bit breakers for all hole size as described in this document (compatible with master bushing), i.e., 26",24", 17½", 12¼", 9½", 8½", 6",5.7/8" for TCR bits/Milled Toothed bits but not limited.
2. 1 set consisting of 2 nos. each size clamp-on or equivalent casing thread protectors for 20", 13⅜", 10¾", 10", 9⅝", 7", 7⅝", 5½", 5" & 4½" sizes.
3. Stabilizer gauges and bit gauges of 20", 17½", 13¾", 12¼", 9½", 8½" sizes.
4. Nozzle gauges for various sizes of nozzles.

G) AIR WINCH:

1. **For drilling use**:

Two (2) Nos. of Air winches mounted on derrick floor (one on drillers side & other on off drillers side) having pulley at crown block suitable for 3/4",5/8" or as per OEM design soft wire line. Each air winch should be capable of handling at least 10,000 lbs (4.54 MT). The air winch lines should be fitted with cat swivels of load capacity of minimum 10,000 lbs.

2. **Man-rider**:

One (1) No. of Air winch for use as man-rider of minimum capacity of 330 lbs (150 kgs.) mounted on derrick floor (at suitable place) complete with ½" soft wire line and full body harness.

H) FISHING TOOLS: The types of fishing tools for various sizes of open hole as per Table no 1 of Clause 4.3 above.

All items mentioned below shall be provided by the contractor. Supply of all fishing items and recovery of all fishes in every size of hole shall be the responsibility of contractor. Contractor shall arrange and supply all necessary fishing tools for all the downhole tubulars supplied by them.

a) **Overshot:** Releasing and circulating overshot of Bowen Series 150 or Equivalent suitable for operation in 26", 24", 17½", 12¼", 9½", 8½", 7⅞" ,6",5.7/8" OD open hole and for operation in 26", 20", 13.5/8",13⅜", 10¾", 10", 9⅝", 7.5/8",7",6" expandable liner of OD **6.813**,6" 5½"and 4½" OD casings to catch all sizes of drill collars, heavy weight drill pipes, drill pipes, tubings and substitutes as provided by the Contractors, with various sizes of spiral grapple, basket grapple, grapple control, mill control packers, lock rings, suitable extension sub and standard & oversized lipped guide. Contractor, in some cases TP fishing services may be deployed and contractor provide all necessary support in this regard.

b) **Safety Joints**: One (1) No. each of Bowen or equivalent for operating in hole as mentioned in Table no 1 of clause 4.3 above.

c) **OTHER FISHING TOOLS** :

i) **REVERSE CIRCULATING JUNK BASKET**: One (1) No. each Bowen or equivalent R.C.J.B complete with accessories like top sub, catcher assembly, mill shoe, magnet insert for the various sizes of open hole as per Table no 1 of Clause 4.3 above

ii) **JUNK SUBS**: 1 No. each Bowen or equivalent Junk subs for operating in the various hole sizes..

iii) **FISHING MAGNET:** 1 No. fishing magnet with standard fishing neck for operating in the various hole sizes.

iv) **DITCH MAGNET:** One (1) No. of ditch magnet suitable for placement in mud ditch for collection of ferrous materials in mud.

v) **IMPRESSION BLOCK:** 1 No. impression block with standard fishing neck. (Note: Provisions should be kept for redressing the impression block at well site).

vi) **JUNK MILL:** 1 No. each junk mill with standard fishing. All materials required for re-dressing of mills shall be provided by the contractor. Re-dressing of mill, if any, shall be carried out by the contractor.

vii) **FULL CIRCLE RELEASING SPEAR**: One (1) each for handling various sizes of casing as mentioned in the Table 1 of Clause 4.3 above. The spear should be complete with all accessories including the guide. Suitable cross-over sub for connecting the same to tubing & / or drill pipe string should be provided.

viii) **SUPER FISHING JAR**: Straight pull, capable of transmitting full torqueing either direction, ability to deliver rapid series of blows when desired, easy closing or resetting, complete with circulation hole & cone type piston assembly of the following sizes:

a) OD=8", 6⅝" API Regular top sub box connection, - One (1) No. connection & bottom pin

b) OD=6½", 4½" API IF top sub box connection, - One (1) No. connection & bottom pin

c) OD=4¾", 3½" API IF top sub box connection, - One (1) No.

I) HYDRAULIC DRILLNG JAR :

Hydraulic drilling jar to provide upward and downward jarring blows, consisting of two separate sections –Up& Down Jar sections:

1. OD: 6½"/ 6$^{3/4}$", ID: 2¾", 4½" API IF: One (1) No. with accessories

2. OD: 8", ID: 3", 6⅝" API Regular: One (1) No. with accessories

3. OD: 4¾"/ 4¼" (connection: 3½" API IF top sub box) Jar: 01 (one) No. with accessories.

d) Jar Intensifier: Jar intensifier matching with above drilling jar of following sizes.

J) CASING SCRAPPER / ROTOVERT: 01 no. each Casing Scrapper (min. 540° contact area) for 20",13.5/8",13.3/8",10¾", 10", 9⅝", 7⅝", 7",6.813",5½", 5" and 4½" OD casings.

K) RING LINE AND FIRE FIGHTING SYSTEM: Contractor shall provide all Fire Fighting equipment as required under the service as per the provisions of OISD STD 189 & Mines Act of India.

1. Contractor shall provide suitable Fire Fighting equipment as required for oil well drilling as per the provisions of OISD STD 189 & Mines Act (including new amendments, if any) of India. i) Contractor shall provide atleast one (1) no. of Trailer mounted or skid mounted Engine driven fire pump having minimum discharge of 1800 L/min at 7 kg/cm2 along with two nos. of storage tanks each having minimum 53 KL capacity and 03 (three) nos. of monitors and 02 (two) nos. of hydrant for fire emergencies with all accessories (suction hose, delivery hose, nozzle, tools etc.) to be provided by Contractor at Well-site along with personnel having firefighting training and certificate.

2. Independent source water supply along with motor/engine driven pump must be made available for filling up of the firefighting water storage tanks.

3. Additionally, one fixed water-cum-form monitor shall be installed on water line in centre of two hydrants.

4. Contractor shall provide portable fire extinguishers which should be located at convenient locations, clearly visible and easily accessible.

5. Following firefighting accessories shall be readily available at site:

a) Additional Fire Hose: 02 nos.

b) Multipurpose Nozzle: 02 nos.

c) For foam system

- Inline foam educator: 02 nos.
- Foam branch pipe: 02 nos
- Foam compound: minimum 200 ltrs.

d) Weather-proof facility for storing above items.

6. A fire bell of non-smoking material/Fire siren/ Manual, Electrical siren Fire Siren shall be provided.

7. Windsock, intrinsically safe torch, SCBA (Self Contained Breathing Apparatus) set (30 minutes capacity)-02 nos. should be provided.

8. The Contractor shall comply with any / all other regulation(s) of OISD (India) & DGMS (India) that comes into effect from time to time in this regard. Regular fire drills should be conducted. Mock fire drill should be conducted at least once in a month & records of all such drills should be maintained properly.

9. The above is a mandatory requirement for firefighting purposes. In case of non-conformance, the company reserves the right to stop further operations till the time the above-mentioned standard is met.

10. The fire pump should be permanently hooked up with the water tank and fire water line.

11. The fire water line shall be designed and properly supported to withstand pressure/reaction force at 7kg/cm2 and shall have two independent connections with NRV to hook up fire water pump and fire water tender.

12. The hydrant and monitors shall be mounted on 4" size stand post and situated 1.2m above ground level. xiii) Hose box at each hydrant point shall be provided and equipped with two fire hoses and one multipurpose nozzle. Alternatively, group of hydrants to be provided with hose hut with sufficient number of standard fire hoses and multi-purpose foam cum water, spray nozzle. Hose hut should be quick and easily accessible from hydrants.

13. Smoke detectors should be available in all office bunk and accommodation bunk houses. This should be periodically maintained as per schedule and should fit for use at all time.

14. The contractor shall lay a 4" dia. firefighting ring line with adequate number of fire hydrants and monitors located at strategic points.

L) TRANSPORTATION SERVICES

M.1) OIL'S RESPONSIBILITY

1. Transportation of company's personnel and materials/Equipment (those not attached with the rig) will be company's responsibility. Contractor will however be responsible for providing all facilities including use of their crane and personnel for unloading/loading and proper stacking/storing of company's materials at drilling site/camp site.

2. Chemicals required for preparation of mud and completion fluid, and Cement shall be supplied by OIL. To & fro collection, transportation, loading/unloading, stacking etc of these chemicals /cement shall be carried out by OIL, as and when required.

3. In case of well emergency, it is the responsibility of OIL to supply/ transport Chemicals, Cement etc. to well site.

4. Well consumables like casing, tubing, well head etc. shall be supplied by OIL. To & fro' collection, transportation will be provided by OIL and loading/unloading, stacking etc. at well site of these consumables shall be carried out by the contractor, as and when required, with the help of Contractor's crane.

5. Readiness of approach road to forward location and plinth shall be the responsibility of OIL. Initial ground clearance of Electrical overhead lines, before

ILM, belonging to state Electricity board, tea gardens etc. shall be the responsibility of OIL.

M.2) CONTRACTOR'S RESPONSIBILITY

1. Transportation of contractor's personnel & their material from camp site to drill site and between drilling sites shall be the responsibility of the contractor. All vehicles deployed for this purpose should be in prime condition.

2. All requirements of transport fleet including but not limited to crane(s), trailer(s), truck(s), manpower/crews, etc. during rig up/rig down, during various requirements pertaining to well operations & during inter-location movements (ILM) are to be provided by the Contractor. Any specific requirements for day-to-day operation, contractor has to provide the transport fleet for the same.

3. Bits required for drilling of wells shall be supplied by OIL. However, it is the responsibility of Contractor for loading/offloading and to transport the same from Company's yard/Go-down or as advised by OIL. The pickup load need not be more than 10 Tons.

4. The contractor must provide at their cost, equipment & services of the following minimum number:

(a) Sufficient numbers of Diesel Hydraulic, Truck mounted Telescoping Boom mobile crane during rig up /rig down & inter-location movements of Rig package.

(b) Sufficient number of load carrying vehicles and cranes along with crew, so that the inter-location movement is completed within stipulated time.

(c) Minimum 1 no. of Diesel Hydraulic Telescoping Boom Truck Crane with integrated chassis (without sub frame) of capacity not less than 40 MT (40,000 Kg) or more if required by contractor for their rig along with crew should be made available at all times at well site.

(d) Minimum 1 no. of Fork Lift of 5 MT (5,000 Kg) minimum capacity along with crew should be made available round the clock at well site.

(e) During Inter-location Movement, any leftover Company’s items / equipment including but not limited to well head, casing, tubing or any kind of tubular, bits, etc. shall be collected, loaded, unloaded, stored, handled, transported between locations by the Contractor or as directed by OIL.

(f) During inter location movements, the contractor shall arrange for shutdown/ ground clearance/ temporary lifting of Service Lead-in/ wires/ cables (if required) of Electrical overhead lines belonging to third parties viz. state electricity board (APDCL, Arunachal Pradesh Power Dept. etc.), tea gardens etc.

(g) The contractor is solely responsible for any damage to existing Electrical infrastructure belonging to third parties viz. state electricity board (APDCL), Arunachal Pradesh Power Dept. etc.), tea gardens etc. resulting from the movement of the contractor’s vehicle during ILM. In case of such damage, contractor is fully responsible for repairing of the damaged Electrical infrastructure.

5. Loading & offloading of Company’s and Company’s third party’s equipment and materials at rig site shall be carried out by the Contractor at respective well site with the help of Contractor’s personnel & crane.

6. Handling & proper stacking / placement, etc. of Company’s and Company’s third party’s equipment/material shall be carried out by the Contractor at respective well site with the help of Contractor’s personnel & crane.

7. Rig down/Rig up/transportation/maintenance of Company's materials/ items (if any) attached to the rig shall be done by the contractor. Company's number of loads will be limited to 06 (maximum).
8. Load testing certificate of crane used at wellsite shall be available Health certificate, valid pollution certificate of all the transport vehicle shall be available.
9. Safe Operating Practices (SOPs) of all rig operations should be available at rig site.

M) MISCELLANEOUS TOOLS & EQUIPMENT

1. 1 No. each of circulating head with hammer union connection for 20", 13.5/8",13⅜", 10¾", 10", 9⅝", 7", 7⅝", 5½", 5" & 4½" BTC/Hunting Lock premium casings, 2⅞" IF & 2⅜" IF drill pipes.

   Note: (Note: In case the connection is different than suitable cross- over sub of minimum length should be provided, like Crossover for 10¾", 10", 7⅝", 7", and 4½" Hunting Lock premium casing to BTC casings but not limited)
2. One (1) No. of poor boy swivel with suitable cross-over subs for connecting to 5.1/2" OD drill pipes.
3. **Circulation Heads**:

   Circulation Heads (minimum 5M) for drill pipes & tubing fitted with quick opening gate valve and suitable Chicksan hose connection (for connecting to rotary hose).

   i) One (1) No. for 5½" OD drill pipes.

   ii) One (1) No. each for 3½" and 2⅞" OD EUE tubing.

   iii) One (1) No. each for 3½" and 2⅞" OD NUE Premium tubing.

   iv) (Note: In case the connection is different than suitable cross-over sub of minimum length should be provided).
4. **FOSV (full opening safety valve) (15M) for following drill strings**.

   i) One (1) No. each for 5½", 3½" & 2⅞" OD drill pipes.

   ii) One (1) No. each for 3½" and 2⅞" OD EUE tubing.

   iii) One (1) No. each for 3½" and 2⅞" OD NUE Premium tubing.
5. Mud basket for use during round trips with Drill Pipes and other tubulars.
6. Adequate number of appropriate sizes back pressure / float valves for installation on bit / float subs during different stages of drilling (complete with installation tool).
7. One No. of additional spool of unused full-length drilling / casing line (1⅝" or 1½" or size as per OEM design as applicable) as per specification of the rig).
8. Appropriate riser for all stages of drilling.
9. Complete sets of tools/wrenches.
10. Suitable size & number of mud tray (drilling fluid containment), bell nipples and flow nipples for making up at the well head.
11. Drill Pipe Screen (for 5½" Drill Pipe)
12. Suitable capacity (i.e., discharge = 60 kl per hour minimum & 150m head min., engine or electrically driven reciprocating/centrifugal pump) for pumping gauging water to cementing hoppers.
13. One (1) each of 5½", 3½" & 2⅞" OD Drill pipes & 2⅞" OD tubing rubber wiper as applicable with all required accessories. Replacement rubbers should be stocked at well site & is contractor's responsibility.

14. **WELDING MACHINE AND CUTTING SET:**

WELDING MACHINE

Diesel Engine / Electric transformer powered welding set having capacity of minimum 400 Amps with Constant Current characteristics with all associated welding accessories/apparatus. In case of Diesel Engine powered welding set, it should be fitted with PESO approved spark arrestor and should Meet CPCB (Central Pollution Control Board) - II compliance for Exhaust Emission and Noise within 75 dba at 1 mtr.

CUTTING SET

Oxy acetylene cutting set shall comprise of the following item

1. Regulators
2. Cutting Blowpipe
3. Flashback arrestors for cylinders
4. Torch mounted Flashback arrestors (i.e. Flash back arrestor at both ends of cutter as well as cylinder end shall be fitted as per Gas cylinder rule, 2004, amendment 2016)
5. Cutting Nozzles 6. Hoses with Connectors
6. Oxygen and acetylene cylinder with Protective Gas cylinder cap.
7. All consumables shall be supplied by the Contractor.
8. All consumables shall be supplied by the Contractor. Proper carrier and storage system need to be provided for the oxy-acetylene cylinders (as per gas cylinder role 2004, amended in 2016).

N) BUG BLOWER:

One (1) bug blower for use at rig floor.

O) OTHER PROVISIONS TO BE PROVIDED BY CONTRACTOR

1. The Contractor shall provide, at his cost a Barytes loading platform with shed to facilitate storing and mixing of mud chemicals at well site. The size of the platform should be 700- 800 sq. ft. to accommodate around 80MT of Barites and 20MT of Bentonite. The loading and unloading of materials in the shed and in the Barytes and Bentonite mixing hopper shall be done by the Contractor. The contractor shall also provide adequate storage facility for other mud chemicals and liquid jar chemicals.
2. Contractor shall make, maintain and use drilling mud as per drilling policy with water loss, weight, viscosity in accordance with mud programme as OIL may decide as per good oilfield practices. Diligence in keeping the hole and all strings of casing and space between casing filled with drilling mud shall be exercised. Contractor shall maintain and test drilling mud in appropriate frequency and shall record the result of such tests and use of mud chemicals in its daily drilling/Mud report. Contractor will also be required to keep hourly record of mud weight, viscosity (in and out), active tank volume etc. while making and maintaining the drilling fluid. The detailed mud testing is to be carried out at the well site laboratory twice everyday by the Contractor.

3. DURING WELL TESTING (PRODUCTION TESTING)

(a) SCHEDULE - 1

1. Making & breaking including stacking and running in of production tubing (both 2⅞", 3½" OD EUE and/or 2⅞", 3½" OD NUE premium connection) as per the standard practice.
2. Installation of Tubing Head Spool, packing of secondary seal and testing of the same as per the rating.
3. Testing of X-Mass tree and installation of the same.
4. Making necessary tubing/ casing connections to the well head set up.
5. Hooking up of the production equipment or assist the production testing service provider as advised by OIL such as namely Tanks, Separator, Steam jacket, ground X-Mas tree etc and test the same before commissioning as per the requirement but not limited.
6. To make the gas flare line to the flare pit.
7. To measure the flow rate and to analyze the produced fluid as and when required or as advised.
8. To maintain the tubing tally including any down hole production equipment run.
9. Hooking up of the steam lines to production tanks and steam jacket.
10. Assist in Hooking up of the steam lines to production tanks and steam jacket. 10. To assist the Production Testing service provider in making & breaking of the downhole tool string including stacking and running in / out of hole the production string.
11. All necessary surface connections to be made by the contractor for enlivening of the wells using nitrogen pumping unit.

(b) SCHEDULE -2

1. All production equipment namely X-Mas tree, Tubing head spool, Hanger flange / Tubing hanger, Separators with all accessories, Tanks, Steam jacket, Ground X-Mas tree, Tubings (both EUE N80 and/or P-110 NUE premium connection), Pipes for surface fittings and flare line etc. will be provided by OIL/third party.
2. All tools required for making up of the above equipment are to be supplied by the Contractor i.e. Elevators, slips, Tubing tong, Coupling tong, Hydraulic pumps and other necessary equipment for packing of secondary seal and hydraulic testing of the separators, tubing head spool, X-Mas tree, Ground X-Mas tree, Steam Jacket etc. to be provided by the Contractor.
3. Consumables such as thread dopes to be provided by the Contractor.
4. OIL reserves the right for inspection and verification of the rigs and associated ancillaries during any time after bid closing date. Bidder should confirm acceptance of this clause in their bid
5. Mud testing laboratory inclusive of all well site testing equipment as per following list to be provided by the Contractor:
   i) Mud Balance # 2 nos. (1 for Mud cabin for Attendant & 1 for Mud testing Laboratory).
   ii) Pressurized Mud Balance # 01
   iii) Marsh Funnel Viscometer with cup# 1 no.
   iv) Multi Viscometer (OFITE/Fann 35 SA) - 01
   v) API Filtrate test cell -1
   vi) Mud Retort Kit - 1

vii) Sand Content Kit-1

viii) pH meter-1

ix) Lubricity tester -1

x) Portable Laboratory Centrifuge (Electric) with centrifuge tube -1

xi) Hamilton beach mixture with cu -1

xii) Pan Balance/ Digital Weighing Balance -1

xiii) Glass thermometer 00C to 150 0C -1

xiv) Handheld Refractometer -1

xv) HP-HT fluid loss apparatus -1

xvi) Magnetic Stirrer with Hot Plate -1

NOTE:

OIL reserves the right for inspection and verification of the rigs and associated ancillaries during any time after bid closing date. Bidder should confirm acceptance of this clause in their bid The testing facility for mud shall be capable of testing mud parameters but not limited to the following:

a)	Mud Density	b)	Funnel Viscosity
c)	Plastic Viscosity.	d)	Yield Point.
e)	Gel Strength.	f)	RPM (3, 6, 100, 200, 300, 600)
g)	API Filtration Loss	h)	Oil content
i)	Solid Content	j)	Sand %
k)	pH	l)	Salinity
m)	MBC	n)	HPHT Filtrate Loss @150 ^{0}C/ 500 PSI.
o)	Potassium ion test	p)	Metal Concentration, if applicable.
q) Total Hardness as Ca^{2+} and Mg^{2+}		r) Mud Alkalinity (Pf/Mf)	
s) Lubricity Co-efficient		t) Test for PHPA and Polyamine	

Bidder shall keep sufficient quantity and volume measurement of reagents and chemicals, types for glass wares which includes but not limits to graduated cylinder (10ml/25ml/ 50ml/250ml), conical flasks (50ml/ 250ml), beaker (200ml/100ml), round bottom flask (250ml), volumetric pipette (10ml), graduated pipette (1ml/ 2ml/ 10ml), burette, pipette stand, burette stand, glass thermometer, stirring rod etc, for trouble free and smooth testing of mud parameters as per API standards.

5.3. GROUP - III

(MUD /AIR/WATER/FUEL SYSTEM)

A) MUD SYSTEM

1. A mud system having an active capacity of minimum 2000 BBLS (US) with reserve capacity of minimum 1000 BBLS (US) (i.e., gross capacity of minimum 3000 BBLS (US), complete with all required valves & fitting with but not limited to the following tanks / tanks compartments:

- Shale shaker tank
- Settling tank - degasser tank
- Desander tank
- Suction tank

- One trip tank (80 bbl. minimum, with 2" x 3" x 13" centrifugal pump and 25HP explosion proof electric motor) with calibration of 0.5 bbl. sensitivity

- One mixing tank

- Suitable Nos. of reserve tanks to accommodate the above reserve capacity.

- One separate pre-flush tank

- One slug tank (tank should be a part of suction tank with capacity around 80 bbl.)

NOTE:

(i) Provision of suction of mud from any of the reserve tanks with any of the mud pumps and with suitable facilities for transfer of mud from active to reserve tank or vice versa. Also, suction from intermediate tanks to mud pumps to be possible.

(ii) The mud tanks should be either new or in prime condition with internal protective coating. Tanks with leakage or corrosion will not be acceptable.

(iii) Bottom drain valves of all tanks to drain the mud during cleaning/evacuation of mud should have provision to connect a central system like mud nulluh to enable the discard mud to reach a designated pit provided by company.

(iv) At least one of the reserve tanks should be equipped with a partition (two compartments) with independent mud pump suction and independent mud mixing hopper suction and delivery facility.

2. The mud system should include the following:

i) Minimum Three (3) units of minimum 7G High force Speed Linear Motion Shale Shakers [LMSS] with suitable flow divider (Shaker with scalping deck will be preferred). Each unit of LMSS should be capable of handling at least 700 GPM [with screen API 120 with 12 PPG polymer mud for one each basket]. The Contractor should maintain adequate stock of screens of various applicable sizes ranging from but not limited to API 40, 60, 80, 100, 120, 140, 170, 200, 230, 270 etc. for drilling various hole sections. OEM to certify High G performance.

ii) One (1) unit of Linear Motion Mud Cleaner, capable of handling at least 1500 GPM [up to115 pcf water-based mud], having screen size up to API 325 ~~mesh~~ size with Desander & Desilter installed over it (Underflow of Desander& Desilter diverted over the shaker screen) having the following capacities:

a) Desander (Hydro cyclone type) capacity at least 1500 GPM, (With min.2 cones or more as per design requirement).

b) Desilter (Hydro cyclone type), capacity at least 1500 GPM, (With 16-20 cones or more as per design requirement arranged in 2 rows or circular arrangement as per OEM design).

iii) One (1) Vacuum Degasser (vertical or horizontal type) having degassing capacity at least 1000 GPM, complete with suitable vacuum pump, electric motor, suction & discharge piping, jet nozzles, etc. compressor, motor and proper gas disposal system with poor boy degasser chamber for disposing gas beyond hazardous area / zone.

iv) Three (3) Nos. skid mounted centrifugal pump to be provided, each of the pump should be able to discharge 1500 US GPM at 75 FT Head for feeding the Desander, Desilter & Vacuum Degasser unit. The Make, Model, Discharge rate & head of each pump shall be offered with relevant documents.

v) One (1) Poor Boy degasser / mud gas separator (MGS) of approx. 48" diameter capable of handling minimum 1000 GPM of fluid and complete within let from flow line and choke manifold, one outlet, one drain, one 8" vent and one 20" man way.

vi) Suitable mud agitators with gear box along with gun jets in each tank should be provided. HP of the agitator should be to suit the mud weight. Agitators should have sufficient turnover rate to avoid settling of mud.

vii) **Mud mixing system**, consisting of low-pressure hoppers and electric motor driven centrifugal pumps. The System should be capable of mixing mud upto 19 PPG, approx. The system should contain at least two hoppers & two 100 HP centrifugal charging pumps. All line connections are to be made in such a way that all the hoppers can be operated simultaneously if situation arises. 02 (two)nos. skid mounted suitable motor driven centrifugal pumps as Mud Mixing/Charging Pump having discharge of minimum 1200 US GPM each and minimum 30 mtr head. Make, Model, Discharge rate & head of each pump shall be offered with relevant documents.

viii) Jet shearing device: 01 (one) no.

ix) The active mud system should have one platform adjoining the tank with approx. dimensions of 30' x 20' for keeping Bentonite, barites & other materials for mixing purposes. Alternatively, Contractor should have adequate provision for keeping Bentonite, Barites and other chemicals a t s i t e .

x) The reserve tank should have independent suction & delivery lines with mixing arrangement through the hopper. x. Electric motor driven centrifugal pumps for above mud cleaning and degassing equipment. Throughout the tank system the following lines shall be installed as required complete with all necessary valves fittings & unions:

- suction lines
- mud roll
- discharge line
- water line
- Mix line

xi) **CENTRIFUGE:**

Brandt's HS-3400 or equivalent High G-force capacity and with long clarification area to process approx. 170 GPM with feed density of 82 pcfmud [approx.] at more than 2000 G's. The functions of solids sedimentation, separation and draining are all to be combined in the centrifuge. The unit should be complete with charging pump, Main Drive Motor [FLP type], hydraulic drive, and torque control assembly for centrifuge.

[Note: All safety measures are to be adopted in placement as well as operation period.].

xii) In case of stuck pipe situations, the Contactor must provide HSD for spotting on chargeable basis which shall be provided by the contractor in sufficient quantity and as many times as needed. In case, LWC is used while combating stuck pipe situations; LWC shall be provided by OIL free of cost to the contractor. The contractor's responsibility shall be to collect LWC from Tanker(s) to contractor's storage facility, to provide storage facility for minimum 140 US bbls LWC and infrastructure to utilize the LWC at any moment for releasing stuckpipe, if the situation so demands.

xiii) One pre-flush tank of 70 US bbl. capacity, one slug tank within the suction tank of approx. capacity 70 US bbl. with all necessary fittings, valves, connection etc. shall be provided by the Contractor.

xiv) Moreover the following shall also be provided by the contractor:

(a) a suitable number of stairways from ground to top of tanks, from ground to choke manifold level, from choke manifold level to top of tank.

(b) One crossover platform from mud tank to substructure complete with stairs.

(c) Tank shall be covered with bar grating.

(d) Handrails and toe guard shall be provided on all the outer boundaries of the tanks.

(e) The mud tanks and all other accessories are to be mounted on rugged oilfield skids. Mud tanks should be in good working condition and rugged enough to last the entire duration of contract including an extension if any, without having to undergo repairs irrespective of their movement.

(f) One pneumatically operated screen washer (high pressure-low volume type) completes with all accessories for cleaning the screens of shale shaker & mud cleaner

xv) Mud agitator motors, desander motor, Desilter motor, centrifuge motor, supercharger motor, degasser motor (if any), shale shaker motor, trip tank motor, mud mix motors, starter, push button station, junction boxes and all other electrical equipment used with mud system shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification/ test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.110].

xvi) All light fittings used in the mud tank area shall be FLP (Ex-d) type. Adequate lighting shall be provided in the mud tank area. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.110].

xvii) Remote PBS placed in hazardous area should have intrinsically safe circuits with a maximum of 30 Volts. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 102(iv).]

3. CABIN FOR MUD ATTENDANT: A cabin of dimension 5' L x 5' W x 8' height mounted on a skid with one sliding door, 3 safety glass windows (on 3- sides), one knowledge box and one tool box for mud attendant. The inside walls of the cabin are to be provided with thermal insulation and laminated boards.

All electrical fittings used inside mud attendant cabin shall be flameproof type (Ex.'d').

4. TOOLS & SPARE PARTS:

Contractor has to provide all spares, tools and sufficient quantities of consumables of required sizes/ranges (e.g., screens of LMSS, LMMC, desander / Desilter cones, etc.) of all the tank systems and solid control equipment.

B) RIG AIR SYSTEM: Rig air compressor package complete with utility hut consisting of the following.

1. Two Nos. electric motor driven reciprocating / centrifugal /screw type air compressors each having a capacity of min. 120 CFM FAD at 125 psig working pressure, complete with all accessories.

2. One number cold start compressor capacity of minimum 90 CFM FAD at 150 psig rated working pressure, driven by diesel engine.

3. 2 nos. air receiver hydraulically tested within last three years with documentary evidence (to be submitted at the time of mobilization). These receivers should be as per rig design and deployment of the equipment and should be of enough capacity to cater the need of air requirement for smooth operations and complete with air dryer, safety relief valve, condensate drain trap etc.

C) WATER SYSTEM: The water system should conform to the minimum requirements as given below for guidance.

1. Three Nos. water tanks: (also to be used as gauging water tank) Total storage capacity: 170 M3 (approx.). Fitted with two centrifugal pumps (as water booster) having capacity minimum 80 m3 per hour and 26 m head and complete with suction and discharge lines for operation of either or both pumps. At least two (02) tanks should be fitted with 02(Two) no. of agitator each along with hopper arrangement for mixing chemicals One set piping: Std. size & complete with suitable valves for supply of water to mud system from the above 3 tanks. At least one of the water tanks should have partition with 02 (two) equal compartments having independent suction and delivery facility with mixing hopper.

2. Water Supply: The contractor shall be responsible for arranging suitable capacity pump for drawing source water from minimum 15 m water source below ground level with all necessary piping, and other set-up. The Contractor shall be responsible for procuring, transporting and storing/supplying adequate quantity of both drill / potable water to well site / campsite at their cost. The company shall in no way be responsible for any water arrangement whatsoever at well site / campsite.

D) FUEL SYSTEM: Suitable fuel system, capable of storing at least 80 KL HSD (but, limited to 2 (two) Nos. tanks for storage of 80KL HSD) with fuel pre-filters fuel transfer pumps driven by electric motor.

Calibration of HSD tank and dip stick shall as per HSE specification (Refer to HSE specification clause No 4)

1. Fuel Pump motors and other auxiliaries viz. junction boxes, PBS etc. shall be FLP (Ex-d) type.

2. There shall be a provision to earth the HSD tanker/bowser at two distinct points during unloading/ loading to/ from the fuel tanks at drilling site. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 41 & OISD 216].

3. Dyke wall of adequate height around HSD tanks shall be provided.

NOTE:

i) In case, the rig remains idle for want of a minimum required quantity of acceptable quality water, then 'NIL' day rate shall be applicable for the entire period of shutdown.

ii) In case of total mud loss into the formation while drilling or in case of firefighting, if the whole water stock is consumed, then 'nil' day rate will not

be applicable. However, the contractor has to take urgent & all-out effort to replenish the stock immediately in order to tackle the water problem.

iii) If source water cannot be located within the plinth areas, because of subsurface formation reason, the contractor shall have to set up water supply station at the nearest available source.

iv) To cater the need of all emergencies an alternate adequate water source should be identified & arrangement should be kept ready to provide water to camp / well-site to meet the emergencies.

v) Flow meter shall be provided with the ground water drawing system and records to be maintained at well site. Contractor shall be responsible for keeping records for water consumption at wellsite.

E) ELECTRICITY

1. Generation and supply of electrical power for running the entire operation and for various uses in the camp and well site shall be done by the contractor. Provision shall be made for standby generators both at camp & well site to ensure uninterrupted supply of electricity. Adequate lighting shall be provided in the camp, campsite, and drill site by the Contractor. Supply of electricity to company's mud logging unit and other equipment which operate on 220/415V - 50 Hz shall also be the contractor's responsibility at their cost. The contractor must provide facility for running all electrical equipment of OIL & their own both at 50Hz - AC and 60 Hz AC capacity wherever they are applicable. Rig lighting system shall conform to API standard and be connected to the main rig power system. Standby provision should be kept meeting the requirement as and when necessary.

2. **Lighting Transformer**: The voltage for lighting system inside the mine shall not exceed 250V (between phases) if neutral is connected to earth as per CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 102.

3. The neutral system should be such that, the earth faults current shall not be more than 750mA in installations of voltage exceeding 250V and up to 1100V system for oil fields. The magnitude of the earth fault current shall be limited to the above value by employing suitable designed restricted neutral system (NGR) of power supply as per CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 100(1).

4. **Earth leakage protective device**: All the outgoing feeder for auxiliary motors, lighting, bunk houses and outgoing feeders from standby generator shall be provided with earth leakage protective device so as to disconnect the supply instantly at the occurrence of earth fault or leakage of current. The maximum earth leakage threshold for tripping shall not exceed 100mA under any circumstances as per CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 42.

5. All the electrical equipment, PCR, Diesel tanks, Mud tanks should be double earthed. The body and neutral earthing shall be separate and the neutral earthing shall be covered always. The earthing system shall be in accordance with CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 41 & 101.

6. All metallic body having electrical equipment shall be earthed properly by two separate and distinct connections with suitable earthing strips. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 41(xii) & OISD 216].

7. There shall be a provision to earth the HSD tanker/bowser at two distinct points during unloading/ loading to/from the fuel tanks at drilling site. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 41(xii) & OISD 216].

8. The mast shall be provided with lightening arrestor. The lightening arrestor shall be grounded with continuous cable, of appropriate insulation, at two separate & distinct points.

9. All auxiliary motors, lighting, plug/socket, junction box, starter, push button not placed at safe distance (outside 30meters radius from well-centre) shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.110].

10. AC/DC Electric Motors: Adequate numbers of AC/DC motors with adequate continuous HP rating shall be provided for operation of draw-works, top drive, rotary drive and slush pump at their respective rated capacity. The motors shall be complete with suitable blowers and ducting.

11. AC-SCR or AC-VFD System- Suitable AC-SCR or AC-VFD systems of reputed make shall be provided.

12. Rig package shall be complete with all electrical control room, SCR cubicles or VFD & Rectifier Cubicles, DC/AC power control room, AC power control room to match the auxiliary loads of mud system, water system, fuel system, air system, lighting system etc. mentioned in this section.

13. Power pack and SCR system control rooms or AC-VFD system control rooms to be placed at safe distance, i.e., at a distance of 30 meters (minimum) from the well centre. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110]

14. All DC motors or AC VFD motors shall have blowers with suitable ducting & filter System.

15. All light fittings in the rig shall be energy efficient preferably LED type. Lights not placed at safe distance (outside 30meters radius from well-centre) shall be FLP (Ex-d) type.

Two (02) numbers FLP (Ex-d) type night aviation warning lights are to be fitted at the top of the mast. These lights shall be operational at all times from the moment the mast is raised and till the mast is finally lowered irrespective of well operation. As per IAF requirements, specifications for the above lights are – **Color of light: Red (Flashing), Light intensity: 10cd.**

Additionally, one daylight flasher type aviation warning light is to be fitted at the top of the mast in addition to red aviation warning lights. This light is to be used during day time when the drilling location is situated within flying zone near IAF airfields. As per IAF requirements, specifications for the above light are

– **Color of light: White (Flashing), Light intensity: 20000cd, Flashes per minute: 20-60 flashes per minute.**

16. Electrical system shall be provided with all necessary cables and cable trays with grasshopper (Z-trays) arrangement to the derrick floor. Cable trays shall be grounded adequately.

17. Adequate lighting shall be provided but not limited to the following i.e. lighting the mast and substructure, rig floor, power packs, power control room, plinth area, mud pumps, generators shades mud system, water system, fuel system, air system, BOP control unit, dog house, mud storage house, well site offices, chemical storage & lab. Areas, camp etc.

18. Emergency lighting system shall be provided at the PCR(s) (minimum 2 Nos. in a PCR) and BOP control unit.

19. The bidder must obtain and furnish the following documents which are statutory requirement. These must be provided before mobilization of the rig. Mobilization shall not be considered complete unless these documents are submitted.

(i) Test Reports confirming to IS/IEC/EN:60079 for all the electrical equipment/ components/ accessories which are to be used in hazardous area [Zone 1 or Zone 2, Gas groups IIA and IIB] of the drilling well. The bidders shall submit test reports conforming to the above relevant standards from an Indian Government Laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body, which is not a part of manufacturer's facility.

(ii) Single line power flow diagram of the rig. Also to be submitted along with the technical bid.

(iii) A Plan layout of electrical equipment used in the rig. Also to be submitted along with the technical bid.

(iv) Details of all electrical motors, control gear, other electrical equipment and accessories used in the classified hazardous area.

(v) Details of alternators, electrical motors, control gear, all cables, other electrical equipment and accessories used in non-classified area.

(vi) A layout of the complete earthing system including earthing of diesel tanks, PCRs, AC & DC motors, starters, alternators & any other electrical equipment used for the purpose. Also to be submitted along with the technical bid.

20. Pressurized type driller's console and foot throttle (if used) should be used in the rig. Air purging system should be provided for the above.

21. The entire electrical installation job should be carried out as specified in the latest version of CEA (Measures relating to safety and electric supply) Regulations, 2010 and other relevant standards and precaution should be adopted in the Oil field as specified in the CEA (Measures relating to safety and electric supply) Regulations, 2010.

22. The power cables used for VFD Drilling motors (if applicable) shall be copper cables of min 2000V grade. The cable insulation and sheath material should be Type-P as per IEEE-1580. The cable shall be suitable for use in oilfield hazardous area, Zone-1 & Zone-2 and Gas group II-A & II-B of oil mines and the cables shall conform to the provisions stipulated in line with IEEE-1580 Type-P with the latest amendments. The cables for DC motors and alternators shall be single core flexible copper cables of minimum 1000 volts grade, EPR insulated, CSP/NBR sheathed. All other Electrical Cables used in the Drilling Rig should be multi core flexible copper cables of minimum 1000 volts grade, EPR insulated, CSP/NBR sheathed. All electrical cables shall conform to the provisions stipulated in line with IS-9968-1 read with the latest BHEL specifications (OR12003, OR12002 & OR12005) as the case may be. If the standard of a particular type of cable is not available in India, the cables must comply relevant International standards (IEC 502) with latest amendments. Ref. to DGMS Tech. Circular (Electrical), (Approval) No. 17 dated 25/05/2015.

23. For all hand-held portable apparatus voltage shall not exceed 125 V as per CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 102 (i).

24. Tri-lingual notices shall be exhibited forbidding unauthorized operation, cautioning the presence of electrical apparatus as per CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 109 (7(i)).

25. Schedule – XIII shall be present and filled as per CEA (Measures relating to safety and electric supply) Regulations, 2010, clause 110 (9) & regulation no. 115(5).

26. The switchgear and protective system shall be kept effective, maintained and checked and result shall be recorded as per CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 100(3).

27. Electrical isolation / Energization permits shall be maintained as per Oil Mines Regulation, 2017 regulation no. 99 and OISD 216.

28. Remote PBS placed in hazardous area should have intrinsically safe circuits with a maximum of 30 Volts. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 102(iv).].

29. Following tools shall be maintained for electrical jobs –

(i) FLP torch

(ii) Intrinsically safe Insulation Tester

(iii) Multimeter

(iv) Clamp meter

(v) Earth Tester

(vi) Safety belt

(vii) Rubber insulated gloves (of appropriate voltage grade) for electrical purpose. It shall be ensured that hand gloves are used every time an authorized personal works on electrical panel/ equipment.

(viii) Discharge sticks & lamp tester

(ix) Electrician's Tool Kit

(x) Lux meter

(xi) Ladders

30. Shock treatment chart should be displayed in the PCR. This should contain telephone number of fire service and other emergency services. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.28 (1) and OISD 216 (Annexure-2&4)].

31. Smoke detection system: All the PCRs shall have smoke detection system as per requirement of OISD Std. No: 216 (7.1(xxiv)).

32. All electrical equipment (motors, alternators, Starters, PBS etc.) shall have Danger notices/ caution boards of appropriate voltage. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.18 and OISD 216(Annexure-4)]

33. Valid calibration records of all the measuring instruments shall be available at site [Ref. OMR 109 (6) & OISD 137 (6.2.9)].

34. All electrical panels shall be painted with the description of its identification at front and at the rear. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.19(6)]

35. Insulation mats of appropriate voltage shall be available in all electrical PCRs, stand by alternators and all distribution boards. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.19 (5)].

36. All connections to the motors/PBS/junction boxes should be through double compression glands. All the FLP double compression glands are correctly installed and the cable entry is tight. The cable size should match with the gland. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.106 (vi) & OISD 216].

37. Busbar connections / terminations shall be insulated with appropriate insulating tape; naked joints shall be avoided. Terminal blocks of cable entry shall be covered with hylam or transparent insulating plastic sheet. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.17 & OISD 216 (7.1(vi))].

38. The following registers/documentation files (minimum) shall be maintained at site:

- **(i)** Electrical Log Book Register to maintain records of operational parameters and energy consumption data (every shift)
- **(ii)** Daily Progress Report.
- **(iii)** Electrical Equipment Maintenance Register
- **(iv)** Breakdown Maintenance Register
- **(v)** Well Site Inventory Register
- **(vi)** Schedule-XIII [of CEA (Measures relating to safety and electric supply) Regulation, 2020]
- **(vii)** By-pass register viii. Register for management of change
- **(viii)** Earthing resistance value record register
- **(ix)** RCBO test record register
- **(x)** Filled up tool box talk record file
- **(xi)** Closed electrical isolation permit record file
- **(xii)** Commissioning record file

39. **INSPECTION OF RIG BY AUTHORITIES:** Bidder should agree to make the electrical facilities of the rig available for inspection by statutory authorities / Company as and when required, and arrange to provide all documents, records, and facilities required by such authorities/Company. Bidder should also agree to implement any requirement / modification / additions as suggested by the authorities, whether during such inspections, or otherwise, in a time bound manner.

40. **PROVIDING POWER TO PRODUCTION SETUP AT DRILLING LOCATION:** It shall be the responsibility of the Contractor to supply power to production setup if required (Power Supply should be 50 Hz, 415 V, 3 Phase without neutral), as long as "rig-down" is not declared. The Contractor can stop power supply to such production facilities after rig-down is declared.

41. All electrical motors, light fitting and other electrical equipment used with Effluent Treatment Plant (ETP)/ VCD package (if any) shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and

CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110].

42. The Electrical Supervisor engaged by the Contractor shall have the responsibility of operation, maintenance and support of the electrical equipment of the ETP plant.

43. All electrical records of the ETP plant should be maintained by the Electrical Supervisor. These records should be presented for scrutiny as and when required by statutory authority / Company.

NOTE: All the electrical clauses which refers to CEA (Measures relating to Safety and Electric Supply) Regulation, 2010 shall be treated in line with relevant amended clauses in CEA (Measures related to Safety and Electric Supply) Regulation, 2023.

F) DRILLING INSTRUMENTATION & COMMUNICATION SYSTEM:

Rig Instrumentation and communication system shall consist of, but not limited to the minimum following systems. [Make: Martin Decker or equivalent make]

1) WEIGHT INDICATOR:

Martin Decker type E/EB or equivalent wt. indicator complete with accessories and suitable wire line anchor for appropriate number of lines strung at Driller's console.

2) DRILLER'S CONSOLE:

Driller's console [Martin Decker or equivalent make] shall consists of, but not limited to the following –

- 1 No. of suitable Mud pressure gauge (additionally one on standpipe manifold & one on each mud pump)
- Tong torque gauge
- Rotary torque gauge
- Rotary RPM meter
- Individual pump SPM counter for each rig pump.

3) ADVANCED INSTRUMENTATION SYSTEM:

(a) NOV MD Totco Drill watch or equivalent system (latest version) to be provided inside Driller's Console for monitoring critical drilling parameters such as hook load and bit weight, standpipe pressure, RPM and torque, depth of hole, total active mud volume, gain/loss, individual and totalized SPM from pumps, return flow on Rig floor and for recording in the Workstation at company representative's office.

(b) The system shall be equipped with corresponding server system for data acquisition and storage of these critical parameters. Daily report of these parameters shall be generated and hard copies along with the soft copies of the same shall be submitted to the concerned Company Representative. Upon completion of a well, entire well data should be available and also to be submitted to the concerned company representative in soft form in a transferrable storage device like Pen drive, DVDs or external Hard disk Drives so that the data can be accessed in future for reference. The system shall support WITSML 1.3.1 / 1.4.1 format to export all its drilling parameters to third party data aggregation server at the rig site

(c) Audio visual alarm shall be provided for the following minimum parameters:

a) Active Pit Level

b) Mud Return Flow Rate High/Low

c) Rate of Penetration High

d) Pump Pressure High/Low

e) Block Proximity Crown & Floor

4) ONLINE GAS MONITORING SYSTEM:

Online Gas Monitoring System shall be capable of continuous monitoring of two gases particularly Hydrogen Sulphide (H2S) and Methane (CH4). The system shall consist of Multi-Gas detectors/Single Gas detectors for detection of these two gases. The system shall also consist of a control unit for continuous monitoring, measurement and generation of audio-visual warning alarm. There are two gas detection locations in the Rig, one is at Well Head and another is at the Shale Shaker. The system shall be capable of monitoring all the two gases in these two locations. Gas detected shall be measured and displayed in the common controller/display unit to be located at Doghouse/Rig-superintendent's office. But the explosion proof Hooter & Flasher shall be mounted at rig- floor. Calibration Kit & Accessories shall be provided along with the system for periodic calibration and maintenance of the system, the record of which shall be maintained as per norms.

5) RIG INTERCOM SYSTEM:

Suitable flame proof, explosion proof & intrinsically safe Rig Intercom cum Public addressing system complete with hand set / speaker / amplifier for communication between Dog house, mud attendant's cabin, PCR, mud pump area, geologist's cabin, tool pusher's office and company representative's office, on mast and Rig Floor.

4 nos. of intrinsically safe Walkie talky should be provided for communication between Doghouse, mud attendant's cabin, PCR, mud pump area, geologist's cabin, tool pusher's office and company representative's office, on mast and Rig Floor. It is needed that 02 way communication system should be available at all times for proper communication to base, 02 nos. of WLL phone/Fixed GSM wireless phone with external antenna should be provided.

6) PORTABLE GAS DETECTORS:

Minimum 3 nos. of Digital Portable Multiple Gas Meter (gas detectors) to be provided. The gas detector should have certification of DGMS, CMRI/CCOE or equivalent for Zone 1, Class IIA, IIB, IIC area., (suitable for H2S, CO & CH_4 gas shall also be available).

7) SELF-CONTAINED BREATHING APPARATUS:

2 nos. of Protective Self-Contained Breathing Apparatus (SCBA), 8 nos. of Gas Mask Respirator with sufficient filters for H2S environment.

8) Electrical measuring/testing instruments.

9) Noise and Illumination level measuring instruments.

10) VIDEO CONFERENCING

Audio-visual system for high resolution video conferencing between the location and Drilling Services office 24 x 7 with two side by side display screen in both side of sizes not lesser than 65" (well site and drilling office)

11) CCTV SURVEILLANCE SYSTEM

The rig shall be equipped with effective CCTV surveillance system to monitor all operations closely as per DGMS guidelines [vide DGMS Technical Circular No. 01

of 2019 dated 30.10.2019]. If video monitoring system/CCTV system is used for drilling operation in the rig, then the system should have certification for use in Hazardous Areas Zone 1.

CCTV coverage with emphasis of adequate coverage of minimum 08 operational areas – (i) Derrick Floor, (ii) Mud Tank Area, (iii) Thribbles Board, (iv) below derrick floor (cellar pit), (v) Mud Pump, (vi) Shale Shaker, (vii) PCR & (viii) Entry Gate (ix) Rear side of the plinth along with fuel tank and rig engine and (x) waste management system area with recording facility availability for minimum 30 Days.

Note (1):

(a) Contractor's deployed personnel should have the required competency to install, deinstall & maintain all the Instrumentation system / packages connected with the drilling rig for safe operation of the Rig.

(b) All the above systems, Advanced Drilling Instrumentation system (Drill watch system), Control System of Rig Equipment, Gas Monitoring system, Intercom/PA system & CCTV system shall comply all the statutory norms. For this purpose, all approvals and necessary clearances (including statutory DGMS approval required if any), shall be provided by the supplier.

(c) The supplier shall provide all systems along with field instruments/sensors suitable for use in Zone1/ Zone 2, Class-I, Division-1 & 2, Group C&D with SIL 2/3 hazardous area as applicable for On-land drilling rigs. The certification for each unit and sensors to be used at classified hazardous area shall be from test facilities as mentioned in OMR 2017.

(d) All test certificates, calibration certificates and approvals (if required) shall be submitted, and periodic calibration certificates of all instruments shall be properly maintained.

(e) Regulation 107 of OMR-2017. Use of electrical equipment in hazardous area. - (1) No person shall use electrical appliance, equipment or machinery including lighting apparatus in zone "0" hazardous area. (2) The owner, agent and manager of every mine shall ensure that the electrical appliance, equipment, machinery or other material that are used or may be used in zone "1" or zone "2" hazardous area of the mine is of a type and specification conforming to an Indian standard or an international standard adopted by the Bureau of Indian Standards through harmonization, specified by the Chief Inspector of Mines by a general order notified in the Official Gazette:

Note (2):

(a) All the electrical/electronic instruments/sensors required to be installed shall be of explosion proof (Type Ex-d) suitable for use in oilfield hazardous area, Zone-I & Zone-2, and Gas group IIA & II B of oil mines and shall conform to clause no.107 of OMR-2017 and subsequent notifications from DGMS. Test reports conforming to the above relevant standards from an Indian Government Laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body, which is not a part of manufacturer's facility; shall be submitted with the quotation as well as with during the mobilization of Rig. In case of such Test Reports are not available at the time of submitting the offer, the same shall be submitted prior to commencement of operation. The bidder shall categorically confirm the same in their offer.

(b) Contractor's deployed personnel should have the required competency to Rig-up, Rig Down, maintain, calibrate & operate the Advanced Instrumentation

System connected to the drilling rig in a safe and efficient manner for operation of the Rig.

(c) DOCUMENTS REQUIRED:

The bidder should furnish the following along with their techno-commercial bid.

i) Details of all Instrumentation systems.

ii) Copies of valid approvals of CIMFR/ recognized laboratory of country of origin related to electrical/electronic instruments for use in Oilfields hazardous areas, zone 1 and zone 2, Gas Groups 2A and 2B.

iii) Also copies IS/ IEC standards as specified by DGMS as per clause no. 107 of OMR2017 of electrical/electronic instruments for use in Zone 1 and Zone 2 hazardous areas. Also, all the electrical/electronic instruments for using in Zone 1 and Zone 2 hazardous area of the mine shall conform to IS/ IEC standards as specified by DGMS as per clause no. 107 of OMR- 2017.

G) WASTE MANAGEMENT FOR SOLID AND LIQUID EFFLUENT TRATMENT Contractor to provide waste management services as per **Annexure-Waste Management Services.**

H) MISCELLANEOUS ITEMS

1) Doghouse

2) **Two sections catwalk and pipe racks of sufficient capacity and length as back up of automatic catwalk**.

3) Storage and tool house.

4) Pipe and casing rack of suitable height and adequate capacity.

5) Suitable arrangement at the end of flow nipples of well head for fixing gas monitoring equipment, with a suitable shed for the gas logger at that location.

I) SECURITY SERVICES: The Contractor shall be wholly responsible for complete Security of their personnel, their Rig package, Well Sites, Camp, etc. during ILM, operations, transit etc. and arrange suitable, complete and best Security Services accordingly on round the clock basis for their personnel and equipment as well as the personnel, equipment & other materials of the Company & Company's third party service providers at well sites throughout the tenure of the contract. All security related issues shall be dealt with by the Contractor on their own including dealing with Government agencies. Suitable fencing with security gate & proper area lighting at well site as well as at camp sites will be the sole responsibility of the Contractor. The Company will in no case be involved in security related issues. The Contractor shall also be responsible for safety and security of the Company's & Company's third party personnel / equipment / tools / materials etc. at the well site and at camp site and shall provide best security services to them during the tenure of the contract.

Note: Contractor should deploy at least 12 nos. of armed personnel for well site security. All the expenses related to security service shall be borne by the Contractor.

J) EFFLUENT PIT BUNDS:

1) Regular checks are to be made to ensure that there are no leakage/seepage/ overflow of effluents from the pit into the surrounding areas.

2) The bunds/walls of the effluent pit are to be checked for any breaches during the operation and the same are to be informed to the Company and repaired immediately.

K) COLLECTION OF USED/ BURNT LUBE OIL:

The used lube oils are to be collected separately in drums. Floating burnt oil, if any, in the effluent pit has to be lifted and collected into drums immediately.

L) <u>GENERAL NOTES:</u>

1. Minor variation in size and specification of tools and equipment quoted with the rig should be acceptable provided these are fully compatible with the offered rig.
2. The total number of rig loads required for rig movement should be clearly spelt out in the bid giving details of each load.
3. Approximate transportable dimension of one rig load should be preferably within 9 M (L) x 3.5 M (W) x 3 M (H).
4. Supply, storage, consumption / regulation of water & fuel at the well sites as well as at the camp site shall be the contractor's responsibility. Any shut down of operation due to non-availability of water and fuel shall be on the contractor's account.
5. The Bidder shall submit the layout drawing of the offered rig package indicating loading pattern of soil / foundation under the following conditions:
   (i) While raising / lowering mast.
   (ii) With rated hook load + set back load.
   (iii) With casing and set back load. The above shall be furnished with the bid.
6. The digging of deep tube wells at the respective sites and installation is Company's responsibility however Supplying all equipment/materials for sinking of the tube well, operation of water pumps, extraction of water from deep tube wells for rigs as well as camp shall be the contractor's responsibility. For the sake of the Contractor's knowledge the depth of deep tube well in the region will be approximately 15-50 m (with double filter installed). Supply of water from alternate sources shall be the responsibility of the Contractor, if no water is found at the exact camp or well site.
7. Supply of LDO/LWC for mud preparation and for meeting other downhole eventualities will be the company's responsibility. The Contractor shall also provide fuel for all of their vehicles and other stationary engines.
8. All sorts of lubricants for day-to-day operation of various rig equipment's shall be supplied by the Contractor. Also, various spares for rig components shall be stocked / supplied by the Contractor.
9. All sizes of drilling bits as required separately under different casing / hole policy shall be provided by OIL. **Contractor will supply on request, bits selected by OIL at actual cost + 5% handling charge**.
10. **Well killing:** The primary responsibility of well killing and all related operations shall lie with OIL. OIL shall provide man, material and fire service for this purpose. OIL shall render help in civil administration when such a situation arises. Competence of the Contractor's well killing operation shall be decided by OIL. Based on this, OIL reserves the right to bring in external experts. The resultant cost thereof shall be borne by the contractor, in the event that the blow out occurred due to negligence of the Contractor.

11. It is Contractor's responsibility to provide One (1) no. of Diesel Engine Driven Reciprocating type, Duplex, Double acting horizontal piston type pump flow rate of minimum 45 KL per hour at 570 psi completed with all the piping and fittings for pit evacuation to be used in case of emergency.

12. Separate Mobilization Notice will be issued for the OPTIONAL items mentioned in the tender.

M. CIVIL ENGINEERING WORKS

1) The approximate well plinth preparation for a similar drilling rig as available with the Company is broadly as follows:

(i) Approx. plinth area: 9215 Sq. m.

(ii) Concrete volume: 700 to 750 cum (for foundations of slush pumps, drilling rig, rig engines, ETP foundation etc.).

(iii) Hard standing area: 5640 Sq.m.

(iv) Effluent pit volume: a. 8,00,000 gallons for Development well. b. 10,00,000 gallons for Exploratory well.

(v) Safe Bearing Capacity: 8.00 Kg/Sq.cm.

The Contractor may use the above information as a guideline only. The Contractor's and OIL's responsibilities in this regard are defined below.

2) All Civil Engineering jobs associated with preparation of approach road, well site plinth, well site toilets as per OIL standard, rig foundation (with cellar) etc. will be the Company's sole responsibility. However, the Contractor shall submit the following within 15 days from the date of issue of LOA in order to assess the quantum of civil engineering works required –

(i) Rig layout drawing clearly indicating areas where RCC and hard standing is required.

(ii) Substructure foundation design and detailed working drawing.

(iii) Cellar foundation design and detailed working drawing. Also, indicate maximum allowable cellar foundation size.

(iv) Structural configuration and load distribution of the rig package / equipment.

(v) Detailed design and working drawing of any other equipment requiring cement/concrete foundation.

(vi) All approach roads to well site and hard standing of well sits will be made from gravel locally available without any black toping what so over as per prevailing practice.

(vii) The foundation for substructure, mud pumps, engines, PCR, HSD tank etc. shall be constructed by company as per the working drawing submitted by the contractor at one go. Any addition or alteration of foundation at the later stage or during rig up operation shall be done by the Contractor at his own cost and additional time required for such kind of alteration shall be attributed to the Contractor.

(viii) In case of delay in submission of rig layout diagram by the Contractor results in delay of preparation of plinth and subsequently delay in mobilization shall be attributed to the Contractor.

3) Construction of all types of sheds/ ramps (if required by the contractor) over equipment's, tanks, chemical storage, telephone etc or construction any temporary

hut required for operation and also subsequent dismantling of the same after completion of well will be the responsibilities of the company (OIL). CGI sheets for such jobs are to be provided by the contractor and all other materials will be provided by OIL.

4) Fabrication including necessary sizing / adjustment in length of false conductor with available cut pieces is Contractor's responsibility. The raw materials for fabrication of false conductor will be supplied by the Company but fabrication to be done by the Contractor at well site including grouting of the same landing/placement of same. Grouting of false conductor will be done by company.

5) Grouting of the false conductor including supply of the false conductor (may be in cut pieces) & civil-materials will be responsibility of OIL. However, Sizing/ fabrication work or any other associated job is to be done by the Contractor.

6) All grouting required for anchoring guy post/any wire line (if required), delivery/other lines etc. including supply of civil materials for such jobs will be responsibility of OIL.

7) Maintenance of Well plinth, Approach roads to well sites, shall be the Company's responsibility including supply of materials.

N. CAMP

1. Setting up of camp is the sole responsibility of the Contractor. However, Company may provide land for setting up camp at well site subject to availability of sufficient land. In case the available land is found inadequate then the contractor at his own cost shall arrange additional land for setting up the camp. For the camp, the Contractor shall take all responsibilities for preparation of site, making foundation as per their requirement etc. etc.

   Note: Company will built septic tank / soak pit for the camp.

2. The day to day maintenance and housekeeping of the plinth including drainage of effluent, drainage of rain / accumulated water, removal and disposal of drill cuttings & other waste, repairing & maintaining road over plinth during the entire drilling operation shall be the Contractor's responsibility.

3. The Civil materials required for camp maintenance shall be supplied & arranged by the Contractor.

   Note: Contractor should provide necessary lay-out, drawings and other details required for preparation of drill site and base camp site by OIL along with the techno-commercial bid.

O. PANEL FENCING

1. Erection and dismantling of Panel fencing in well site in the Company's responsibility. The required number of Panel fencings for the same shall be supplied by the Contractor and specifications regarding panel fencing should conform to OIL's standard drawing.

   Note: 1. Civil Materials mentioned in above clauses are cement, sand, aggregate, brick/ brickbats, gravels, boulders, broken stone etc. 2. All the civil ancillary jobs are under OIL's responsibility and intimation from Contractor for getting the jobs done in time should be received by OIL well in advance so that drilling operation is not hampered.

2. Erection and dismantling of Panel fencing in well site as per OIL's standard drawing. The required Panel fencings as per OIL's drawing will be supplied by the Contractor.

   Note:

1. Civil Materials mentioned in above clauses are cement, sand, aggregate, brick/ brickbats, gravels, boulders, broken stone etc.
2. All the civil ancillary jobs are under OIL's responsibility and intimation from Contractor for getting the jobs done in time should be received by OIL well in advance so that drilling operation is not hampered.
3. Contractor should have sufficient numbers of panel fencing to cater two locations simultaneously during ILM phase.

P. ASSOCIATED SERVICES: The Contractor should coordinate with Company / Company's third-party service providers & extend all required help / guidance in consultation with Company's representative for proper coordination, functioning & uninterrupted operations. In case any of the services are provided by the Company's in-house facility then the Contractor should also provide necessary help for its smooth operation.

1) MUD ENGINEERING SERVICES

i) Standard Mud testing laboratory with the requisite mud testing equipment including but not limited to Fan Viscometer, API & HP-HT fluid loss apparatus, lubricity testing equipment etc. along with the laboratory & necessary mud testing equipment/ apparatus etc. shall be provided by the contractor.

ii) OIL shall submit a detailed stage wise mud programme based on the depth data/casing policy as indicated in this document including their recommended dosage for mud additives and optimum range of mud parameters which need to be maintained by Contractor at the well site for achieving trouble free drilling operations.

iii) Shift wise mud report in detail (as per standard IADC Proforma) indicating all mud properties like mud weight, viscosity, API fluid loss, HP-HT fluid loss, 'O' gel/15' gel, mud stock, details of chemicals/additives mixed during the shift, the operating condition of solid control equipment, Mud hydraulics etc. shall be prepared and submitted to the company representative by the Contractor's Mud engineers.

iv) The Contractor must ensure proper maintenance of mud parameters to avoid damage to producing formations and maintain a good bore hole. He should also ensure the availability of mud chemicals at well site by submitting his requirement to the company's representative well ahead of time.

Note: In case of any difference of opinion at any stage, with regard to mud policy, OIL's mud programme shall prevail and the Contractor must use OIL's mud policy at that point of time.

2) CEMENTING SERVICES

The Company / cementing service provider (if engaged by the Company) shall perform the cementation jobs at the wells planned to be drilled. The Rig Contractor shall render all necessary help as described below for smooth operations & to carryout job successfully. Boarding & Lodging facility at site for three Cementing personnel free of charge shall have to be provided by the Contractor during the call out period.

(i) OIL shall perform the cementation jobs at the wells planned to be drilled. The Contractor shall provide the following tools, equipment and services to enable OIL to carry out the jobs successfully.

(ii) Suitable Compressor/compressed air for loading/off-loading of oil well cement at well site storage facilities. The requisite spares for compressor are to be maintained by contractor.

(iii) Both slush pumps shall be used (individually or in conjunction) to pump cement slurry. Expected parameters are 3500 psi, (max.) 400 GPM.

(iv) Unloading of OIL's cement from transport silos to field silos & vice - versa at well site under supervision of OIL.

(v) OIL's Field storage silos if attached to the rig shall be rigged up / down, maintained and transported by the Contractor to forward location.

(vi) OIL shall provide a platform with a set of hoppers, bucket tank (4'x4'x2') to the Contractor/which shall be operated and maintained by the contractor. All necessary lines & fitting for above arrangement will be provided by OIL.

(vii) The Contractor shall provide suitable air connection with suitable air and lube oil regulator to tap air pressure from main air supply of the rig or its branches for hooking upto cementing silos for pneumatic loading/unloading of cement to the cement hoppers/field silos.

(viii) Contractor shall assist to deploy all other cementing services/contract which may be provided by company in future.

(ix) Contractor shall provide Two (2) Electric motor driven horizontal multistage centrifugal pumps set complete with piping/ Dresser type couplings and butterfly valves with hopper arrangement and should be mounted on an independent three runner oilfield skid. These pump sets will be used to load chemicals through hoppers to water tanks, to agitate the mixture by jet gun/ and to feed chemical-mixed (gauging) water in the cement hopper for preparation of cement slurry. Each horizontal multi stage centrifugal pump should be capable of developing minimum 150 m. of head and the discharge of each pump should be minimum 60.0 m3 / hr at 1450 rpm.

(x) The Contractor shall be required to assist OIL in performing all cementation jobs at all the wells.

(xi) OIL may at any time decide to utilize a cementing unit for carrying out the cementation job. Further the Contractor will carry out cleaning / flushing of cementing unit and associated surface lines after completion of the cementing jobs.

(xii) Slush pumps shall be used for pumping of cement slurry displacing fluid.

(xiii) The size of field silos to be provided by OIL shall be 8.06 m(H) x 2.75 m (W) x 2.75 m (W) = 03 Nos. or as available.

(xiv) **OTHER FUNCTIONS:**

A cementation job includes all primary, secondary and plug cementation of a well. The mode and schedule of cementation of the well where the Contractor's rig is deployed shall be fixed by OIL. The Contractor shall render all personnel, machinery, infrastructure [except the items which will be provided by OIL as mentioned above], water, air, etc. to carry out the jobs successfully.

(2) Fixing of cementing accessories and equipment.

Following specific facilities are essential in order to utilize cementing units besides rig pumps for executing primary cementation jobs.

i) One additional high-pressure (7500 psi) discharge line (minimum 3" dia) other than standard mud pump delivery line is necessary. This particular line, connecting both the rig-pumps with stand pipe

junction manifold at Derrick floor should be provided with adequate valve arrangements (for isolation) wherever required for the purpose of flexibility during cementing operation. We should have the option of utilizing both rig pumps as well as cementing units for carrying out cementation jobs. Once again we repeat that the 3" dia. HP line must have provision for receiving delivery from both rig pumps with adequate isolating facilities.

ii) 2" hammer union T-type outlets from the rig pump pressure gauge points should be provided for connecting pressure recorder assembly during cementing operation. The said facility should have the provision of interconnecting both the pumps through 2" high pressure line having adequate isolating facilities. These facilities must ensure recording of relevant data even while carrying out parallel pumping.

Note: A common suction line of 8" NB for both the slush pumps from the cementing hoppers and pre flush tank must be provided with necessary fittings, valves etc.

(3) **Pre cementation equipment readiness**: The contractor shall thoroughly clean-up and make all cementing suction and delivery lines from slurry mixing/pre-flush tanks etc. to slush pump and slush pump to standpipe junction manifold point at Derrick floor, all mud lines, air & water lines perfectly ready to the satisfaction of OIL's Cementing Engineer.

One remote electrical control panel to operate the rig slush pumps should be installed at a suitable place near slush pumps for operation and control of the pumps by the Cementing Engineer, if advised by OIL.

(4) **During cementation readiness**: The Contractor shall, during the cementing job, attend to all problems, render help and rectify all defects to the satisfaction of OIL's cementing Engineer. These shall include equipment and accessories supplied by OIL also.

(5) **Post cementations follow up action**: The Contractor shall carry out cleaning and flushing to remove all traces of cement from unwanted locations. They shall also disassemble and remove/load all OIL's equipment, which are required to be removed after the mandatory period.

3) CORING SERVICES: The Contractor shall be required to take cores through coring service provider (engaged by the Company) during drilling at different stages whenever desired by the Company. The Contractor shall render all necessary help for smooth operations of coring services.

4) LINER HANGER SERVICES: The Company / Liner Hanger Service Provider (engaged by the company) shall perform the required jobs at the wells planned to be drilled. The Rig Contractor shall render all necessary help for smooth operations of liner hanger services. Boarding & Lodging facility at site for one Liner Hanger Engineers free of charge shall have to be provided by the Contractor during the call out period.

5) DIRECTIONAL DRILLING SERVICES: The Company or Directional Drilling Service Provider (if engaged by the company) shall perform the required jobs at the wells planned to be drilled. The Contractor shall render all necessary help for smooth operations of vertical / Directional drilling services. Boarding & Lodging facility at site for four deviation personnel free of charge shall have to be provided by the Contractor.

6) WIRELINE LOGGING SERVICES: The Company / Wireline Logging Service Provider (engaged by the Company) shall perform the required jobs at the wells planned to be drilled. The Rig Contractor shall render all necessary help for smooth operations of wireline logging services.

7) MUD LOGGING SERVICES: The Company / Mud Logging Service Provider (engaged by the Company) shall perform the required jobs at the wells planned to be drilled. The Rig Contractor shall render all necessary help for smooth operations of mud logging services.

8) PRODUCTION TESTING SERVICES: The Company / Production Testing Service Provider (engaged by the Company) shall perform the required jobs at the wells planned to be drilled. The Rig Contractor shall render all necessary help for smooth operations of production testing services.

9) CASING CUTTING SERVICES: Contractor shall provide casing cutting services, if necessary, to cut casing at well head after setting slip seal assembly.

10) TORQUE AND TURN SERVICE: Company may engage Torque and Turn Service as and when desired by the Company through hired service for proper make up torque and record of the same during lowering of various sizes of casings, liners and production tubing at the wells planned to be drilled. The Rig Contractor shall render all necessary help for smooth operations of torque and turn services.

11) MANAGED PRESSURE DRILLING (MPD) SERVICES: The Company may engage Managed Pressure Drilling (MPD) Service through service provider in 01 or 02 wells as per requirements with this rig. The Rig Contractor shall render all necessary support/help in accommodating MPD service for smooth operations.

12) CATERING SERVICES

1. An industry standard catering & housekeeping service serving Indian and continental food to all the Contractor's personnel and at least 15 (Fifteen) personnel to be designated by Company (OIL) per day shall be made available during the entire contractual period by the Contractor without any extra charge to Company. However, the service provider may have to accommodate additional OIL's personnel as per prior intimation as per requirement.

   Personnel of all third-party Contractors (engaged by the Company) for drilling associated services like Mud Logging, Mud Engineering and Cementing, coring, liner hanger services etc. to be on chargeable basis on prior intimation.in para 4.9 above.

2. **KITCHEN:** State of the art skid mounted modular hygienic kitchen having four burner stoves, fridge, oven, cutting table, Atta mixer, exhaust, serving window, washing area, storage, etc. should be used for cooking.
3. Catering Services include bed tea, breakfast, lunch, evening tea with snacks and dinner.
4. Cooking in temporary sheds will not be allowed.

13) MEDICAL SERVICES: Suitable first aid medical services shall be provided by the Contractor on round the clock basis with an attending Doctor on call 24 Hrs. a day. The Doctor shall be available at site at all times during the entire contractual period with sufficient quantity of First-Aid equipment & medicines to meet any emergency.

14) CAMP AND OTHER ESTABLISHMENT: Industry standard camp facilities for the Contractor's personnel (inclusive of third-party Contractor's personnel) including camp site dispensary, catering, sanitation & laundry services shall be provided by the Contractor. Additionally, fully furnished air- conditioner bunk house type

accommodation should be provided by Contractor for at least 15 (Fifteen) numbers of Company's personnel or any third-party representatives to be designated by Company. The camp should be well maintained with normal recreational facilities including LCD/LED TV with DTH, etc. at the Contractor's cost. The camp facilities to be provided by the Contractor to the Company should include but not be limited to the following:

a) 3 (Three) 1-seater unit accommodations with attached bath and toilet.

b) 3 (Three) 2-seater unit accommodation with attached bath & toilet.

c) 4 (Four) 4-seater accommodation with attached bath & toilets.

d) 1 (One) office cum living unit for Company's Representative at site. The unit should be equipped with refrigerator, computer, internet with e-mail, printer, scanner, fax machine & other communication equipment. This unit should be near to rig superintendent's office and should have inter-connection.

e) 1 (One) unit with all facilities (i.e., conference table, chairs, projector, screen, computer, etc.) for conducting meetings at well site.

f) All bunk houses shall be air-conditioned and fully furnished.

g) The Company would avail catering services at well site with fixed menu.

h) At least one spacious air-conditioned bunk house containing all recreational cum sitting facilities.

i) 1 (One) laundry unit with attendant service.

j) 1 (One) air-conditioned bunk house type first aid disbursement room to meet any emergency with doctor and attendant.

k) Two (2) Spacious dining halls shall be provided by the Contractor, one exclusively for workmen (of Contractor's / Company's third party / Company's) & one exclusively for officers (of Contractor's / Company's third party / Company's). Modular Kitchen, store bunk house etc. shall be provided as per convenience & requirement of the Contractor.

NOTE:

i) The Contractor should bring light and easily transportable dwelling units for camp establishment nearer to the drilling locations.

ii) All units including those to be used as office/lab should be fully furnished and air conditioned with proper lighting arrangements. The dimensional sketches of all units are to be provided with the bid. Waste management & Safe disposal of effluents from camp toilets/kitchen and rig site toilet, etc. (using septic tank & soak pit) will be the responsibility of the Contractor. The Contractor shall be solely responsible for keeping the entire camp area and well site neat, clean and hygienic.

iii) A separate area is to be demarcated for placement of above living bunk houses at campsite for Company's personnel. The area is to be properly levelled with suitable drainage system, fenced (with XPM / barbed wire fencing) and well protected.

15) SAFETY EQUIPMENT / SERVICES: (Please refer to HSE specification)

16) MAINTENANCE OF COMPANY'S EQUIPMENT

i) In case of any non-conformity in the connections/sizes between various equipment and tools to be provided by the Contractor, which depart from the generally adopted procedure followed for a particular equipment / tool of the rig package, the company reserves the right to ask the contractor to provide

all necessary accessories to use such items without any obligations on the part of the company. This clause shall not however, be unduly exercised without consultation/ agreement with the Contractor.

ii) The Contractor shall erect, commission, dismantle the cementing field silos along with platform with sets of hopper, bucket tank & fitting which shall be handed over to the contractor at the first well for cementation. The contractor shall draw or tap required air supply from the auxiliary lines from the contractor's rig compressor for its operation. After completion of the well the same should be transferred to the next forward location by the contractor as part of the rig package.

iii) Loading of Barites shall have to be carried out by the Contractor.

iv) The Contractor shall provide one no. chemical godown with floor space of approx. 660 Sq.ft. of appropriate dimensions for storing of chemicals, LCM etc.

v) The Contractor should ensure that AVIATION WARNING LIGHTS on the crown of the mast should be provided as per Aviation Standards.

vi) Contractor shall assemble, dismantle, move all OIL's designated items- if any attached with the rig without any obligation to OIL.

Q. END OF WELL REPORT

After completion of each well an end of well report to be submitted in three copies and one soft copy. Sample of the format shall be provided by OIL within 15 days after issue of ILM notice as approved format of OIL [**Details are in SCC 14.3 (ix)]**

A penalty of 0.5 % of day rate per week will be levied if not submitted within the stipulated time.

R. PERSONNEL TO BE DEPLOYED

1) The Contractor will have to deploy adequate manpower to carry out the required operations. The deployment pattern will be as per the contractor's discretion for all the required services except for the rig operations during drilling & completion phases for which the deployment pattern per day (12 hours shift, day & night and ON-OFF roster) has to be as per the following norm with the indicated key personnel & other personnel:

Sl.No.	Personnel & Designation	Total Per day	Day shift	Night Shift	Off	Allocated per rig	Category
A	**Key Personnel**						
1	Area Manager/Rig Superintendent / Rig Manager	1	On call 24 Hrs		1	2	N/A
2	Mechanical Engineer	1	On call 24 Hrs		1	2	N/A
3	Electrical Engineer/Chief Electrician	1	On call 24 Hrs		1	2	N/A
4	HSE Officer	1	On call 24 Hrs		1	2	N/A
5	Tool Pusher	1	1	-	1	2	N/A
6	Tour Pusher / Night Tool Pusher	1	-	1	1	2	N/A
7	Driller	2	1	1	2	4	N/A
8	Mud Engineer	2	1	1	2	4	N/A

9	Assistant Driller	2	1	1	2	4	Highly Skilled
10	Mechanic	2	1	1	2	4	Skilled
11	Rig Electrician	2	1	1	2	4	Skilled
12	Asstt. Electrician	2	1	1	2	4	Semi-Skilled
13	Derrick Man / Top man	4	2	2	4	8	Skilled
14	Floor Man	6	3	3	6	12	Semi-Skilled
Sub Total						**56**	
B	**Other Personnel**						
1	Roustabout	4	2	2	4	8	Un-skilled
2	Gas logger cum sample washer	2	1	1	2	4	Semi-Skilled
3	Welder	1	On call 24 Hrs		1	2	Skilled
4	Heavy Crane Operator	2	1	1	2	4	Highly Skilled
5	Medico	1	On call 24 hours		1	2	
Sub Total						**20**	
10	Waste Management Services (C)	**As per Annexure: Waste Management Services**				**18**	
11	Catering Personnel & Multipurpose Attendant	As required					
Grand Total including ON & OFF						**96**	

2) The Rig Manager/Rig Superintendent/Area Manager has to be present at site all the times and should report to Drilling Dept.'s office as and when asked for to receive instruction/resolving any issue on contractual obligation.

3) **KEY PERSONNEL:** The qualification, experience and job details of the key personnel are to be as per **Annexure: HR Deployment**

4) On top of the experience of the personnel, they all should be conversant with BOP drill as per standard oilfield practice.

5) In addition to the above personnel, following **additional personnel** are to be made available compulsorily throughout the contract period under Catering Personnel & Multipurpose Attendant like; First Aid Trained personnel, Camp Boss, Cook, Kitchen Helper/Caterer, Laundry attendants, Camp Cleaner, Field administrator etc.

Notes to personnel to be deployed:

a) An undertaking from all the personnel as per **Annexure-IV** should be forwarded after deployment of manpower prior to mobilization.

b) The personnel deployed by the contractor should comply with all the safety norms applicable during operation.

c) **MEDICAL FITNESS**:

i) The Contractor shall unsure that all of the Contractor Personnel shall have had a full medical examination prior to commencement of the Drilling operation.

ii) A qualified and registered doctor shall conduct all such medical examinations in accordance with accepted medical standards.

d) **TRAINING COURSES**:

i) The Contractor shall ensure that all of the Contractor Personnel performing services hereunder shall have attended all safety and operational training courses such as mines vocational training etc. required by applicable law and as is generally consistent with international petroleum industry practice and/or as otherwise required by the Company.

ii) The Contractor shall, if requested, forthwith produce valid and current certificates of completion or attendance for the Company's inspection.

e) Personnel should be well verged in firefighting, BOP control, gas testing and MVT as applicable. The appropriate certificates to this effect, issued by ONGCL/OIL or any other organization, also should be submitted during mobilization. (In case, the above training course for contractor's personnel is to be arranged by OIL, the contractor will be charged accordingly).

f) Area Manager will operate in well site only. He shall operate from places other than well site on specific permission of OIL.

g) Adequate number of experience personnel to run the camp / kitchen / Mess smoothly should be kept. One camp boss on 24 Hrs. basis will be responsible for smooth running of the camp/mess. Kitchen and cooking shall be supervised by a qualified chef.

h) Contractor should deploy other personnel at rig site, which shall include drivers, Rig fitters, carpenters, warehouse personnel, security men (both at well site and camp site), power casing tong operator, services of unskilled labour as and when required for following multiple jobs:

i) Chemical Helper.

ii) Engineering helper (Additional).

iii) Electrical helper (Additional). The entire skilled / semi-skilled workman involved in carrying out electrical jobs should have valid electrical wireman permit issued by state licensing board.

iv) Persons on rack during casing job.

i) Bidder shall furnish biodata of key personnel with all supporting documents, certificates etc. prior to deployment for verification / approval by OIL.

j) Employment of personnel other than key personnel & other personnel as specified in Clause No. 5.3.(**R) PERSONNEL TO BE DEPLOYED** of this section shall be at the discretion of the contractor in line with normal drilling practices. Bidders shall forward a complete list of all the persons with their job descriptions that they shall deploy to run all operations at well site and camp successfully.

k) On/off duty details of rig and associated service personnel should be indicated.

l) The Contractor shall indicate their manpower category-wise clearly in their offer. The qualification/biodata / experience / track record of the personnel proposed to be deployed shall have to be indicated clearly. Any additional manpower deployed by the contractor shall be at the expense of the Contractor. The age of key

personnel except Rig Manager/Rig Superintendent should not be more than 50 (fifty) years. However, OIL reserves the right to accept the personnel of above 50 years with good health conditions.

m) The contractor shall be responsible for arranging relief of personnel during vacation, statutory off days, sickness etc. entirely at their cost. However, the relief personnel also must have the experience as indicated above. Moreover, the contractor will have to obtain prior approval from Company for the relief personnel of the contractor.

n) Company reserves the right to instruct for removal of any Contractor's personnel who in the opinion of company is technically not competent or not rendering the services faithfully, or due to other reasons. The replacement of such personnel will also be fully at cost of the Contractor and the Contractor shall have to replace within Ten (10) days of such instruction.

o) All charges for personnel are included in Day rates. No. separate charges shall be payable for the personnel deployed.

p) Contractor should employ adequate number of authorized supervisors as per regulation 115 of CEA (Measures relating to safety and electric supply) Regulations, 2010 having relevant experience and possessing appropriate license(s).

q) Contractor shall be wholly responsible for complete Security of their personnel, their Rig Packages, Base camp and during ILM, operation, transit etc. and arrange suitable and comprehensive **security services** accordingly on round the clock basis for their personnel and equipment/ material at all drilling sites. All security related issues shall be dealt by the Contractor on their own including dealings with the Government agencies. The Contractor shall provide prefabricated XPM/ Panel re-usable type fencing, gate at drill site, camp site etc. Company in no case will be involved in security related issues relating to Contractor's personnel and equipment/ material. Contractor shall also be responsible for safety and security of Company's personnel, equipment/ material etc. in the well-site and camp site.

S. DETAILS OF JOBS BUT NOT LIMITED TO ARE AS FOLLOWS:

1. Drilling of holes of various sizes ranging.

2. Mixing & conditioning of mud (i) Reaming/hole probing, hole opening and conditioning. (ii) Running in of various sizes of casings and their cementation.

3. Casing retrieving

4. Round Tripping with drilling equipment and tools.

5. Assembling and dis-assembling of BOP, well head items, riser, flow branch, etc.

6. Circulating and conditioning mud.

7. Testing of wellhead hook up at various stages of drilling .

8. Drill stem testing and any other special operation .

9. Drilling deviated hole as per instruction of deviation engineer of the Company. Fishing operations including but not limited to working on stuck pipe and backing off drill pipes/casing string.

10. Operations with casing scrappers, packers and production tools, tubing etc, as and when necessary. Cutting or slipping casing line at intervals as per normal policy.

11. Operate BOP and choke manifold etc. for controlling the well during well kick and kill the well satisfactorily. Carry out various drills as per policy.–Rigging up production equipment swabbing, tripping of production string, etc. Coring by using various sizes and types of coring bits and core barrels.

12. Picking & making up, breaking and laying down of any tubular viz. drill pipe, HWDP, drill collars, tubing, reamers, stabilizers, bits, etc.

13. Changing bit and other drilling tools

14. (Drilling/cleaning out cement, collar, shoe, cement/bridge plug etc.

15. Power tong operation for all sizes casing running in

16. Production testing of well as per the Company's requirement.

17. Well killing & controlling operations.

18. Any other operating pertaining to oilfield operation including but not limited to isolation repair, casing patch, milling, hermetical testing etc., but not mentioned in this Contract, will have to be carried out by the Contractor as per the advice of the Company.

END OF PART-2, SECTION-II: SOW

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Part-3
SECTION-III
SPECIAL CONDITIONS OF CONTRACT (SCC)

The following Special Conditions of Contract (SCC) shall supplement and/or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

1.0 **DEFINITIONS:** Following terms and expression shall have the meaning hereby assigned to them unless the context otherwise requires:

1.1 "**Base camp**" means the camp where the Contractor's personnel, Company's personnel and Company third party personnel shall reside for carrying out the operations as per the contract.

1.2 "**Contractor's representatives**" means such persons duly appointed by the Contractor thereof at site to act on Contractor's behalf and notified in writing to the Company.

1.3 "**Drilling Operation**" means all operations as generally understood for drilling Oil/Gas wells, more particularly all the operations required to be carried out pursuant to this contract.

1.4 "**Drilling Unit''** means drilling rig complete with pumps, power packs, and other accessories and equipment as listed in the Contract.

1.5 "**Inter-location movement**" means transferring of Drilling Unit & complete rig materials from present location after rig release till spud-in of the well at next location.

1.6 "**Operating Area**" means those areas in onshore India in which Company or its affiliated Company may from time to time be entitled to conduct drilling operations.

1.7 "**Operation Base**" means the place or places, onshore, designated as such by Company from time to time.

1.8 "**Spud-in of the well**" means the initiation of drilling of the well and the very first hit on well centre of the new location after alignment and after the rig preparation is complete in all respects subsequent to clearance from safety, audit and the Company representative.

1.9 "**Certificate of Completion**" means certificate issued by the Company to the Contractor stating that the Contractor has successfully completed the jobs/works assigned to him/them and submitted all necessary reports as required by the Company.

1.10 "**Company's items**" means the equipment, materials and services, which are to be provided by company at the expense of company and listed in the Contract.

1.11 "**Contractor's items**" means the equipment; materials and services, which are to be provided by Contractor at the expense of the Contractor, which are listed in section under terms of reference and technical specifications.

1.12 "**Day**" means a calendar day of twenty-four (24) consecutive hours.

1.13 "**Contractor's personnel**" means the personnel as mentioned under section terms of reference and technical specification, to be provided by Contractor from time to time to conduct operations hereunder.

1.14 "**Petty Support Services**" as mentioned in Clause 24.1 under Section-I (General Conditions of Contract) means support services like supply of waste management, chemical & plinth maintenance labourer, transport services required for daily rig operation, security service, camp maintenance and catering services.

1.15 "**Date of Commencement of Operation**" means the date on which the first well under this contract is spudded in.

2.0 MOBILIZATION:

2.1 The mobilization of the 3000HP Drilling Rig Package shall commence on the date of issue of the mobilization notice and continue until the complete Drilling Rig Package along with all equipment, tools, accessories, materials, and manpower is properly positioned at the first drilling location, rig-up operations completed, and the well is actually spudded in.

Note*:*

(i) All documents pertaining to the Rig(s) in connection with the import of the Rig, Block transfer, etc. as applicable under law will have to be submitted / applied prior to mobilization. Mobilization will not be treated as complete by OIL unless all the documents submitted are found to be in order and to the satisfaction of OIL.

(ii) After the receipt of mobilization notice after issuance of the Letter of Award (LOA), Contractor shall submit **fortnightly report or any other report** as desired by Company **showing progress** in each activity of mobilization.

(iii) Company may inspect the rig package before mobilization. Thus, Contractor shall have to offer complete rig package for inspection by Company's representatives prior to mobilization with at least one-month notice. Bidder should indicate their acceptance to this effect in the techno-commercial bid. Time loss in mobilization period due to the inspection process, if any, shall be adjusted accordingly.

(iv) **Mobilization notice will be issued separately after issuance of LOA for the Drilling Rig Package.**

2.2 The Contractor will advise readiness for commencement of mobilization/ shipment to Company, at least 3 days before actual mobilization/ shipment commences.

2.3 Initial mobilization of the Drilling Rig Package should be completed by the Contractor **within 310 (Three hundred and ten) days** from the date of Mobilization Notice issued by the Company.

2.4 Mobilization charges will be payable after the Date of Commencement of Operation of Contract as to be certified by the Company's representative.

2.4.1 Company at its discretion may allow spudding-in and commence operations at its 1st well without complete mobilization provided it does not hamper or affect drilling operation. In such event the mobilization charge shall be withheld till all the short, supplied items are mobilized and Contractor must indicate the tentative date of mobilization of such item(s)/ equipment/accessories/tools. However, **applicable penalty** against the short, supplied items will be deducted from the day one at Company's determined cost (in the event if commencement of operation is allowed before due date of mobilization period without complete in such case short supply penalty will be applicable from the expiry of stipulated mobilization time of 310 days). Following terms & conditions are applicable in this regard:

(i) In the event Contractor fails to mobilize the short, supplied items within the specified period of **three months**, the penalty charges would increase by 1.5 times. For next three months, penalty charges would be 1.5 times the penalty charges of the first three months. Penalty charges in any quarter would be 1.5 times the penalty charges of the previous quarter and will continue/repeat but limited to total cumulative deductions of each individual item to a maximum of 2 times the original price of the short, supplied items. The price of the item will be based on Company's determined cost.

(ii) Penalty charges for short-supplied items will be deducted from Contractor and it will be calculated based on Company's determined cost, which shall be treated as final, basis of which shall be provided to the Contractor. The deductions will be made from Contractors running monthly invoice / bill till the short-supplied items are supplied by the Contractor.

(iii) As penalty, the rental charges for short-supplied items will be deducted from Contractor; it will be calculated based on Company's determined cost, which shall be treated as final, basis of which shall be provided to the Contractor. The deductions will be made from Contractors running monthly invoice / bill till the short-supplied items are supplied by the Contractor.

(iv) Deductions will be calculated after amortizing the cost of the item over a period of five (5) years applying 15% PTRR (Post tax rate of return).

(v) Deduction of rental charges towards short-supplied items will cease once the items are made available by the contractor at well site. However, company will inspect prior to acceptance.

(vi) Contractor shall inform the Company in writing indicating the date of availability of short-supplied items at drill site & in no case the drilling operation should suffer for want of such items.

(vii) In the event any operations at well site suffers for non-availability of Contractor's item / equipment / accessories / tools then nil day rates will become applicable. This clause will be applicable notwithstanding any other provisions in contrary elsewhere in this contract.

(viii) Notwithstanding this provision for partial mobilization, bidder must quote in accordance with relevant clauses for full mobilization. In the event Contractor is allowed to start operation without complete mobilization as per provision of the contract but Contractor fails to mobilize short, supplied item (s) till the end of the contract in such event the withheld mobilization charge will be released at the end of the contract by deducting the amount proportionate to the short supplied item (s) that will be calculated based on Company's determined cost which shall be treated as final.

2.4.2 Company at its discretion may provide item / equipment / accessories / tools to Contractor in exceptional cases only on **rental basis** based on Contractor's written request at least 20 days in advance subject to availability. In the event Company provides any item / equipment / accessories / tools to Contractor on rental basis for / during operation, the following shall be applicable:

(i) Contractor shall deposit the assessed value of the item / equipment / accessories / tools either in cash or may be withheld from the invoice or in the form of a Bank Guarantee to Company in advance before taking delivery of the item / equipment / accessories / tools from Company. However, in case of an emergent situation, OIL may consider to accept the assessed value in Bank Guarantee or in cash within 7(seven) days of issue of the items/equipment.

(ii) Item / equipment / accessories / tools will be rented out to Contractor for a maximum period of 3(three) months and the same should be returned by Contractor to Company within a specific date to be specified by Contractor.

(iii) Contractor will be fully responsible for collecting / returning the item / equipment/ accessories / tools either from OIL's field headquarter, Duliajan, Assam, India or from any OIL's nominated place (within India) including to & fro transportation to respective well site.

(iv) Rental charges (from the date of collection till the date of return) for first three months would be evaluated taking cognizance of the present market trend. Rental will be calculated after amortizing the cost of the item over a period of five (5) years applying 15% PTRR (Post tax rate of return).

(v) In the event the rented item / equipment / accessories / tools are not returned by Contractors within the specified period of three months, the rental charges would increase by 1.5 times. For next three months, rental charges would be 1.5 times the rental charges of the first three months. Rental charges in any quarter would be 1.5 times the rental charges of the previous quarter and will continue/repeat but limited to total

cumulative deductions of each individual item to a maximum of twice the original price of the rented items. The price of the item will be based on Company's determined cost.

(vi) Deductions of rental charges will be made from running monthly invoice /bill & will be calculated based on Company's determined cost, which shall be treated as final, basis of which shall be provided to the Contractor. This will be in addition to the rental charges indicated under clause 2.4.1 (ii, iii & iv).

(vii) **Mobilization Completion Certificate**: Mobilization Completion Certificate shall be issued by Oil India Limited upon successful completion of mobilization in cases where provision of mobilization requirement is specified under the contract.

2.6 Notwithstanding anything in the Banning Policy of OIL, in the event of termination due to the CONTRACTOR's failure to mobilize within the stipulated period, the CONTRACTOR shall, in addition to termination of the Contract, be liable to immediate suspension from participating in any tendering process or entering into any contractual engagement with OIL for a period of three (3) months from the effective date of termination, without prejudice to any other rights or remedies available to OIL under the Contract or applicable law.

3.0 DURATION OF CONTRACT: The contract shall be for a **period of 04 years from the Date of Commencement of Operation**. The rates, terms and conditions shall continue until the completion/ abandonment of the last well being drilled at the time of the end of the Contract.

4.0 DELETED

5.0 PERFORMANCE SECURITY: The Contractor shall furnish to Company a Performance Security amounting to 5% of total contract value with validity of 3(three) months beyond the contract period. The performance security shall be payable to Company as compensation for any loss resulting from Contractor's failure to fulfil their obligations under the Contract.

6.0 TERMS OF PAYMENT:

6.1 On account payment may be made, not often than monthly, up to the amount of **100%** of the value of work done. Final payment will be made only after satisfactory completion of the work. Such final payment shall be based on the work actually done allowing for deviations and any deductions and the measurement shall be checked and certified correct by the Company's Engineer before any such final payment is made.

7.0 SUBMISSION OF INVOICES:

7.1 Mobilization charges will be invoiced only upon completion of mobilization (after commencement of operation at the first well), submission /production of appropriate inventory documents, and physical verification by Company representative.

7.2 Contractor shall submit monthly invoices to Company only after the end of each calendar month for all daily or monthly charges due to the Contractor.

7.3 Billings for daily charges/day rates will reflect details of time spent (calculated to the nearest quarter of an hour) and the rates charged for that time. This should be in the form of monthly time analysis chart(s). Monthly invoices will be raised only after spudding-in of the first well.

7.4 Invoice for reimbursable charges, if any, related to the Contract will be accompanied by documents supporting the cost incurred and duly certified by Company representative.

7.5 All invoices are to be uploaded through Vendor Invoice Management (VIM) portal only via the following link https://vim.oilindia.in/velocious-portal-app/.

7.6 Payment of monthly invoices, if undisputed, shall be made within 30 days following the date of receipt of invoice by Company excepting for the first two (2) months and last monthly invoices where some delay (up to two months) may occur.

7.7 Company shall within 30 days of receipt of the invoice notify the Contractor of any item under dispute, specifying the reasons thereof, in which event, payment of the disputed amount may be withheld until settlement of the dispute, but payment shall be made of any undisputed portion on or before the due date. This will not prejudice OIL's right to question the validity of the payment at a later date as envisaged in Clause no. 27.4 of GCC.

7.8 The acceptance by Contractor of part payment on any billing not paid on or before the due date shall not be deemed a waiver of Contractor's rights in any other billing, the payment of which may then or thereafter be due.

7.9 Payment of other invoices (i.e. for reimbursable items) shall be made within 60 days following the date of receipt of the invoices by Company.

7.10 Payment of Mobilization Charges shall be made within 45 days following the date of receipt of undisputed invoices by Company. Mobilization should be complete in all respect before raising invoice.

7.11 Payment of Demobilization charges shall be made when applicable within 45 days following receipt of invoice by Company accompanied by the following documents from the Contractor:

a) Audited account up to completion of the Contract.
b) Tax audit report for the above period as required under the Indian Tax Laws.
c) Documentary evidence regarding the submission of returns and payment of taxes for the personnel engaged by the Contractor or by its sub-contractor.
d) Proof of re-export of all items including the unutilized spares and consumables (excepting consumables consumed during the contract period) and also cancellation of re-export bond if any.
e) Any other documents as required by applicable Indian Laws. In case, no de mobilization charges are payable, the documents mentioned above will have to be submitted by the Contractor before release of the final payment by OIL.

7.12 Contractor shall maintain complete and correct records of all information on which Contractor's invoice are based up to 2 (two) years from the date of last invoice. Such records shall be required for making appropriate adjustments or payments by either party in case of subsequent audit query / objection. Any audit conducted by Company of Contractor's records, as provided herein, shall be limited to Company's verification (i) of the accuracy of all charges made by Contractor to Company and (ii) that Contractor is otherwise in compliance with the terms and conditions of this Contract.

7.13 At the time of de-hiring of the Rig, Contractor shall dismantle the Rig and all other equipment and vacate the drill site within 60 days from date of de-hiring of the rig and remove litter and debris created by the contractor or it's sub-contractor in connection with the work otherwise ground rent will be charged @1% of ODR per day till the drill site is cleared, as handed over at the time of drilling. This amount will be recovered from the Final invoices.

8.0 AGENT COMMISSION: As per GCC.

9.0 CONTRACTOR'S PERSONNEL:

9.1 Except as otherwise hereinafter provided, Contractor shall be responsible for the selection, replacement, and determining remuneration of Contractor's personnel. Such employees shall be employees solely of the Contractor. Contractor shall ensure that its personnel will be competent and efficient. However, the Contractor shall provide details of experience, qualification and other relevant data of the personnel to be deployed for scrutiny and clearance by the Company before actual deployment. The Contractor shall not deploy its personnel unless cleared by the Company.

9.2 The Contractor shall authorize the rig manager / superintendent to liaise with Company's representative & Company's third-party service providers for all day to day operational requirements. Additionally, the rig manager / superintendent should also resolve other day to day matters which may arise at site.

9.3 The Contractor shall be responsible for arranging relief of personnel during vacation, statutory off days, sickness etc. entirely at their cost. However, such relievers must also have the qualification/experience as indicated in Section-II, 'Scope of Work' and Contractor should submit qualification/ bio-data / experience / track record of the personnel. Moreover, the Contractor will have to obtain prior permission/approval from Company for the relief personnel of the Contractor.

9.4 The Contractor shall provide all manpower for necessary supervision and execution of all work under this contract to Company's satisfaction except wherever otherwise stated. The minimum number of key personnel to be deployed is mentioned in this document.

9.5 The Contractor shall indicate their manpower category-wise clearly in their offer. The qualification/bio-data / experience / track record of the personnel proposed to be deployed shall have to be indicated clearly. Any additional

manpower deployed by the Contractor shall be at the expense of the Contractor.

9.6 **Replacement of Contractor's Personnel:** The Contractor will immediately remove and replace any of their personnel, who in the opinion of the Company is incompetent or negligent or of unacceptable behaviour or whose employment is otherwise considered by Company to be undesirable. The replacement personnel must also have the qualification/experience as indicated in **Annexure: HR Deployment**. The Contractor shall submit qualification/bio-data/experience/track record of the replacement personnel and shall obtain prior permission/approval from Company for the replacement personnel. The replacement of such personnel will be fully at the cost of the Contractor and shall be made within ten (10) days of such instruction from the Company.

9.7 Contractor shall deploy on regular basis, all category of their employees required for economic and efficient drilling and other related operations.

10.0 SUB-CONTRACTING:

CONTRACTOR shall not subcontract, transfer or assign the contract or any part under this contract to any third party/parties other than the services mentioned below:

(i) Contractor may deploy "Other Personnel" as specified under clause (R) above (i.e., personnel to be deployed) by outsourcing to a third party/Sub-contractor, but Key Personnel as specified cannot be outsourced and must be in the pay roll of the CONTRACTOR.

(ii) All other additional personnel required for Catering, Camp Management, Laundry, Security etc. as specified in Clause No. 5.3. R of SoW under Section-II may be outsourced.

(iii) Waste Management Service with manpower may be outsourced.

(iv) Crane Service with manpower may be outsourced.

Notes to Subcontracting:

a) Written prior approval for sub-contracting the above-mentioned services must be obtained from the competent authority of COMPANY.

b) CONTRACTOR shall be fully responsible for complete execution and performance of the services under the Contract even though the above-mentioned services are hired by outsourcing to third party/parties.

c) It is CONTRACTOR's responsibility to ensure that its Sub contractors shall at all times during the currency of the contract period provide, pay for and maintain the insurance coverage as specified in Clause No. 14.12 of GCC under Part-3, Section-I.

d) The "APPLICABLE LAWS" as mentioned in Clause No. 34.0 of GCC under Part-3, Section-I is equally applicable and effective to its Sub-contractors.

e) It is CONTRACTOR's responsibility to ensure that when its Sub-contractors deploy their personnel it must follow and comply the guidelines of "Labour Laws" as specified in Clause No. 35.0 of GCC under Part-3, Section-I.

11.0 FOOD, ACCOMMODATION AND TRANSPORTATION FACILITY AT WILL SITE:

11.1 The Contractor shall provide catering services, sanitation, laundry services & accommodation for their employees as well **for 25 (Twenty Five)** nos. of Company's employees, employees of Company's third-party service provider(s) engaged by the Company and for any other Company designated personnel. Catering Services should include bed tea, breakfast, lunch, evening tea with snacks and dinner.

11.2 Transportation of Contractor's personnel will be arranged by Contractor whilst that of Company's staying at base camp will be arranged by Company.

12.0 CONTRACTOR'S ITEMS:

12.1 Contractor shall provide Contractor's items to perform the services under the contract as specified in this document. Contractor shall be liable to obtain any permits or licenses required for the use of Contractor's Items.

12.2 The Contractor shall be responsible for maintaining at his cost adequate stock levels of Contractor's items including spares and replenishing them as necessary.

12.3 Contractor shall be responsible for the maintenance and repair of all Contractors' items and will provide all spare parts, materials, consumables etc. during the entire period of the contract.

12.4 Contractor will provide full water requirement at rig site and campsite. The camp should have proper water filtration plant or provide bottled drinking water.

12.5 The Contractor shall provide all fuel & lubricants for operation of Contractor's equipment both at well site and camp site at Contractor's cost. There shall be no escalation in day rates throughout the duration of the Contract on account of any price increase in fuel/lubricants etc.

12.6 Contractor will provide electricity at both drill-site and campsite for meeting both Contractors' as well as Company's & Company's third-party requirement.

12.7 Contractor shall manage their inventories in pro-active manner so that supply of critical items for operations remains uninterrupted.

12.8 Nil Day Rates (NDR) will be applicable in case the operation is to be suspended and rig remains idle for want of Contractor's personnel, items or on account of non-compliance by the Contractor to any of their obligation under this contract.

13.0 CONDUCTING DRILLING OPERATIONS:

13.1 The Contractor shall carry out all operations mentioned hereunder with due diligence in a safe and workman like manner and in accordance with accepted international oilfield practices.

13.2 Wells shall be drilled to a depth as specified in the drilling programme but subject to the condition that Company may revise the well depth either lesser or deeper than originally planned. However, it shall be within the capacity of the drilling rig.

13.3 The Drilling Unit and all other equipment and materials to be provided by the Contractor shall be in good working condition.

13.4 The drilling programme to be provided by Company shall primarily include but not limited to the following:

a) Well structure & deviation plan (if any).

b) Casing / Liner programme.

c) Well head assembly, blow out prevention system.

d) Expected formation details.

e) Mud rheology and physico-chemical parameters.

f) Coring programme (if any).

g) Cementing programme.

h) Drill stem testing programme (if any).

i) Wireline logging programme.

j) Mud hydraulics programme.

13.5 The Well testing programme to be provided by Company shall primarily include but not limited to the following:

a) Well testing programme.

b) Well head assembly, blow out prevention system.

c) Details of well testing string.

d) Mud hydraulic programme.

e) Cement repair programme (if any).

f) Wire line logging programme.

g) Drill out plug and packers (if any).

h) Casing repair job.

i) Gas and water injection programme.

j) Wire line operation including perforation.

13.6 Completion of drilling shall occur when the well is drilled to the required depth with casings lowered, cemented, logged satisfactorily, hermetically tested, and drill pipes broken off in singles, initial production testing carried out & well plinth cleared from all debris/pollutants unless otherwise advised by the Company.

13.7 **OPERATION OF DRILLING UNIT:** Contractor shall be solely responsible for the operation of the Drilling Unit including but not limited to supervising rig move operations and positioning and rigging up at drilling location as required by Company as well as such operations at drilling locations as may be necessary or desirable for the safety of the Drilling Unit.

13.8 **SAFETY & ENVIRONMENT:** Contractor shall observe such safety & environment regulations in accordance with acceptable oilfield practice and applicable Indian Laws such as Mines Act, Oil Mines Regulation Act 2017, guidelines of OISD, CPCB, SPCB, & MoEF & CC and CEA Regulations (2010) safety rules etc. Contractor shall take all measures necessary to provide safe working conditions and shall exercise due care & caution in preventing pollution, fire, explosion and blow out, and maintain firefighting and well control equipment in sound condition at all times. Contractor shall conduct such safety drills; BOP tests etc. as may be required by Company at prescribed intervals.

13.9 **CORING:** Contractor shall have to take either rat-hole or full-hole, conventional cores between such depths as specified by Company and in the manner requested by Company in consultation with Coring Service Expert, to be provided separately by Company along with relevant coring equipment.

13.10 **CUTTINGS:** Contractor shall save and collect cuttings samples according to company's instructions and place them duly labelled in containers furnished by company.

13.11 **HOLE INCLINATION:** Contractor shall do his best in accordance with good oil field drilling practices to maintain the deviation of the hole within the limit specified by the company in the drilling programme.

13.12 **DEVIATION DRILLING:** Contractor shall do his best in accordance with good oilfield drilling practices to assist the directional drilling expert & services if provided by the Company to maintain deviation of the hole within the limit to be specified by the Company.

13.13 Contractor shall assist in performing any tests to determine the productivity of any Formation encountered as may be directed by Company. Such tests and services may include, but not limited to electric logging, drill stem tests, surface production testing, perforation of casing, acidizing, swabbing, fracturing and acid fracturing. Specialized Tools and personnel for these operations will be provided by the Company.

13.14 **DEPTH MEASUREMENT:** Contractor shall at all times be responsible for keeping accurate record of the depth of the hole including the various components of drill string, fishing string, tubular, casing, etc. or any other tool run into the hole and record such depth on the daily drilling report and tally books. OIL shall have the right at any time to check measurements of the depth of the hole in any manner.

13.15 **PLUG BACK AND SIDE-TRACK:** Upon being requested to do so by the Company, the Contractor shall cease drilling and carryout side tracking of the hole after plugging-back (if required, to be done by Company or Company's engaged third party Cementing Services). All required help for plugging-back operation should be extended by the Contractor.

13.16 **CASING AND CEMENTING:** Lowering and / or pulling out (if required) of casing / liner are Contractor's responsibility. Contractor shall use best international oilfield practices for handling, running and setting the supplied casing / liner to the required depths as instructed by the Company. In case the casing / liner are required to be retrieved, the Contractor shall take full precautions for safely retrieving & keeping the same segregated at a suitable place. (**Note:** – Liner Hanger Services whenever required will be hired separately/provided by Company).

The cementation of casing / liner will be carried out by the Company/ Company's third-party cementing service provider. However, the Contractor shall extend all required assistance for the entire cementing operations. Contractor shall allow cement to set for a length of time as specified by the Company. During such time, Contractor shall assemble blowout prevention equipment and test the same in a manner satisfactory to Company and otherwise make preparation for subsequent work. After cement has set, casing job shall be tested in a manner satisfactory to Company, and Contractor shall continue such testing until results satisfactory to Company are secured. Any re-cementing or repairs to casing will be done at Company's discretion.

13.17 The Contractor is required to provide all necessary assistance as per standard international drilling practice to Mud Engineering Service Provider if any is hired separately by Company for effective maintenance of drilling fluid parameters in accordance with specifications and/or formulations set forth by the Company.

13.18 In the event of any fire or blowout, Contractor shall use all reasonable means at his disposal to protect the hole and bring the said fire or blowout under Control.

13.19 **ADVERSE WEATHER:** Contractor, in consultation with Company, shall decide when, in the face of impending adverse weather conditions, to institute precautionary measures in order to safeguard the well, the well equipment, the Drilling Unit and personnel to the fullest possible extent. Contractor and Company shall each ensure that their representatives for the time being at well site will not act unreasonably in exercising this clause.

13.20 AMENDMENTS OF DRILLING AND COMPLETION PROGRAMME: It is agreed that Contractor shall carry out drilling, testing, completions, abandonment, if any and all other operations, in accordance with the well drilling and completion programme to be furnished by Company, which may be amended from time to time by reasonable modification as Company deems fit, in accordance with good oilfield practices.

13.21 WELL POLICY: The drilling policy given in this document is tentative only. The depth, nature, area or all other factor may vary depending on the actual requirement at and during the time of commencement of the contract. The Contractor shall be bound to honour those changes made by Company from time to time, if any.

13.22 WELL COMPLETION/WELL ABANDONMENT: After completion of a well successfully, Contractor will provide the completion report of the well with all information and events including above-mentioned information. In case of abandonment of a well, abandonment report, in addition to above, will be provided by the Contractor in Company's prescribed format or as per requirement.

14.0 CONTRACTOR'S SPECIAL OBLIGATIONS:

14.1 It is expressly understood that Contractor is an independent Contractor and that neither it nor its employees and its sub-contractors are employees or agents of Company, provided however, Company is authorized to designate its representative, who shall at all times have access to the Drilling Unit, related equipment and materials and all records, for the purposes of observing, inspecting and designating the work to be performed hereunder by Contractor. The Contractor may treat Company's representative at well site as being in-charge of all Company's designated personnel at well Site. Company representative may, amongst other duties, observe, test, check and control implementation of drilling, casing, mud and testing programs, equipment and stock, examine cuttings and inspect works performed by Contractor or examine records kept at well site by Contractor.

14.2 COMPLIANCE WITH COMPANY'S INSTRUCTIONS: Contractor shall comply with all instructions of Company consistent with the provision of this Contract, including but not limited to drilling, well control, safety instructions, confidential nature of information, etc. Such instructions shall, if Contractor request, be confirmed in writing by Company's representative.

14.3 WELL RECORDS: Contractor shall keep an authentic log and history of each well on the daily drilling report prescribed by Company and upon completion or abandonment of the well, deliver to Company, the original history and log, book, properly signed and all other data and records of every nature, relating to the drilling, casing and completion of the well. Such reports shall include the depth drilled, formations encountered and penetrated, depth cored and footage of cores recovered, during the preceding twenty four (24) hours, details of BHA in hole , details of drilling parameters maintained and any other pertinent information relating to the well.

CONTRACTOR SHALL ALSO PROVIDE OIL:

i) Daily drilling report on IADC pro-forma duly certified by Company's representative along with daily record-o-graph or drill-o-meter chart. Hardcopies along with softcopies of Daily report of all critical parameters from the Drill watch system shall be generated in a prescribed soft format and send to concerned Company Representative.

ii) Daily mud report on IADC pro-form including mud stock, daily consumption and stock position of chemicals and daily mud hydraulics.

iii) Daily report on POL (Petroleum, Oil & Lubricants) consumption.

iv) Daily report on effluent management with chemical analysis report of the output samples.

v) Deviation charts/records on daily basis, whenever applicable.

vi) Casing tally/Tubular tally details: After each job.

vii) Bit performance record: After completion of each well

viii) Any other report as asked for by the Company.

ix) **WELL COMPLETION/WELL ABANDONMENT REPORT:** After completion of a well successfully, Contractor will provide drilling and completion report of the well with all information and events including above-mentioned information. In case of abandonment of a well, abandonment report, in addition to above, will be provided by the Contractor in Company's prescribed format or as per requirement. Entire Drilling Data for a particular well from the Drill watch system shall be given to the Company Representative in soft form in a transferrable storage device like Pen drive, DVDs or external Hard Drives so that the data can be accessed in future for reference.

Well completion report shall primarily include but not limited to the following for all stages of drilling:

- Well head diagrams
- BHA used
- Depth vs Mud Parameters
- Depth vs Drilling Parameters
- Depth vs Lithology
- Drill bit performance
- Different survey reports
- Casing Running in
- Cementing reports
- Testing including well head testing, LOT, Hermetical etc.
- Drilling Complication and Remedies
- Time break ups for all drilling activities.

x) Daily roster of Contractor's personnel.

xi) The Contractor shall maintain inventory of rig equipment & accessories at site, indicating their respective models, serial nos., vintage, specifications etc. The Contractor shall provide inventory list endorsed by Company representative and any addition & deletion of items will be intimated to Company representative.

xii) All items including consumables if imported against Essentiality Certificate (EC) under 'concessional' (Nil) Customs Duty shall be recorded in the proper format, indicating date of receipt, type, consumption, date of replacement etc.

xiii) The Contractor shall complete re-export formalities upon completion/ termination of this contract against all such items which were brought into India on re-exportable basis and provide the list of the items, equipment, consumables etc. to Company along with all relevant export documents. It will also be the sole responsibility of the Contractor to ensure cancellation & discharge of all undertakings/bonds from Customs authorities which were provided by Company at the time of import against this contract.

14.4 **CONFIDENTIALITY OF INFORMATION:** All information obtained by Contractor in the conduct of Drilling Operations hereunder, including but not limited to, depth, formations penetrated, coring, testing, surveying etc. shall be considered confidential and shall not be divulged by Contractor or its employees to anyone other than Company's representative. This obligation of Contractor shall be in force even after the termination of this Contract.

14.5 Contractor shall carryout normal maintenance of Company's items at well site excepting for those items which Contractor is not qualified to, or cannot maintain or repair, with its normal complement of personnel and equipment.

14.6 Contractor should furnish the list of items, which are required to be imported by Contractor for execution of this contract, in the format specified in **Proforma–A**, towards which the EC would be issued subsequently by Company on request for clearance of goods from Indian customs by Contractor at concessional (nil) rate of customs duty.

14.7 Contractor shall arrange for inland transportation of all equipment, etc. from the port to the place of work and back at the end of the work at their own expense. Arrangement of Road Permits and payment of Entry Tax for bringing Contractor's equipment/materials to Workplace shall be Contractor's responsibility.

Electrical overhead line / electrical obstructions clearance shall have to be arranged by the Contractor. This covers all movements of the rig, including initial deployment to designated well-site, and from there to subsequent well-sites as required.

14.8 In case the Contractor imports the equipment etc. on re-exportable basis, the Contractor shall ensure for re-export of the equipment and all consumables and spares (except those consumed during the contract period) and complete all documentation required. Company will issue necessary certificates etc. as required. The Contractor should arrange for re-export of equipment within sixty (60) days of notice of de-mobilization issued by Company. If the re-export is not completed within the specified period, customs duty, penalty etc. levied by customs authorities for such delay shall be to Contractor's account and same will be deducted by the Company from Contractor's bills and Performance Security.

14.9 INSPECTIONS:

(a) **PRE-MOVE INSPECTION:**

(i) The Contractor shall engage an independent third-party inspection agency acceptable to Company as listed under Clause no. 3.3.8 under Part-2: BEC of the tender. Additionally, all tubular, fishing tools, drill string, and handling Equipment to be provided by the Contractor as specified must be inspected/tested (NDT) as per relevant API & OISD Standards by an independent third-party inspection agency prior to the Mobilisation/Commencement Date.

(ii) Contractor shall ensure that its drill string and all other down hole tools furnished by Contractor are inspected according to **TH Hill DS-1, Level 5 standards.**

(iii) Copies of all inspection's reports are to be sent to Company along with an explanation of the standards used for the inspection procedures. All inspection reports shall be legibly signed by an identified person.

(iv) If new tubular and handling equipment are used, with mill / manufacturer's certification, no inspection will be required.

(v) Pre-move inspection reports related to all tubular, drill string, and handling Equipment must be submitted to the company at least one month prior to completion of mobilization.

(vi) OIL INDIA LIMITED may get the drilling unit and the equipment inspected as per the tender specification by engaging a reputed third-party inspection agency which may take upto 10 days and bidder to consider the same. The cost of the third-party inspection will be borne by OIL.

(b) **INSPECTION DURING DRILLING:**

(i) The Drilling Unit and Equipment shall be made available for inspection by Company promptly upon request and as often as Company requests.

(ii) During the execution of the Work Program, Contractor will frequently inspect the drill string and all down hole tools furnished by Contractor as specified below:

- The Contractor shall carry out inspections of down hole tubulars, equipment and tools regularly in use, at reasonable interval to the standard of TH HILL DS1-Level 3 at contractor's cost.

- The Contractor shall carry out non-destructive test (NDT) / inspection of Mast & Sub-structure at reasonable interval at Contractor's cost.

(iii) Hoisting and handling equipment shall be inspected in accordance with the intervals as per Contractor's inspection and maintenance standards which should be submitted to the company.

(c) **BLOWOUT PREVENTER:**

Contractor shall inspect, install, and pressure test all Blowout Preventer equipment. All documentation of certification, pressure testing, and BOP drills will be made available to the Company. Any discrepancies to the Contractors or Companies safety policy will be corrected prior to continuation of operations. All related documentation will be made available to the Company. BOPs to be installed tested & operated as per API RP53 and STD 174 (latest edition).

(d) **LIFTING EQUIPMENT**:

(i) All lifting equipment, except brand new equipment (where current certification is available) including but not limited to shackles, slings, pad eyes, crane, man riding equipment, elevators, bails, pulleys etc. must be inspected to and at a frequency directed by current manufacturer's guidelines and relevant API Recommended Practices.

(ii) As a minimum, all lifting equipment will be fully inspected on an annual basis by an independent third party, NDT inspectors who are fully qualified as per international standard.

(iii) Full visual inspection shall be carried out by every 6 (six) months by Contractor and inspection report should be made available to the Company for review as & when required.

(iv) Dye Penetration Test will only be done to the hook of the crane. Load test of the crane at different loads will be carried out by the contractor.

14.10 MAINTENANCE:

i) Contractor shall have in place and carry out the manufacturer's recommended preventive maintenance program for all equipment.

ii) All replacement parts must be manufactured by the original equipment manufacturer (OEM)/ or as recommended by OEM/OEM authorise agency/API/OISD wherever applicable.

iii) Fasteners and seal elements for BOP equipment must also be manufactured by the original equipment manufacturer (OEM))or as recommended by OEM/OEM authorise agency/API/OISD wherever applicable.

iv) All BOP seal elements are to be stored per manufacturer's recommendations, but not limited to the following:
   (a) Sunlight exposure
   (b) Temperature and moisture control
   (c) Dust and other contamination protection

15.0 COMPANY'S SPECIAL OBLIGATIONS:

15.1 The Company shall at its cost, provide items and services as shown in this document.

15.2 The Company shall be responsible at its cost, for maintaining adequate stock levels of its items and replenishing the same as deemed necessary, unless specified to the contrary elsewhere in the contract.

15.3 INGRESS AND EGRESS AT LOCATION: Company shall provide Contractor requisite certificates for obtaining rights of ingress to egress from the locations, where wells are to be drilled, including any certificate required for permits or licenses for the movement of Contractor's personnel. Should such permits / licenses be delayed because of objections of appropriate authorities in respect of specific Contractor's personnel, such personnel should be promptly removed from the list by the Contractor and replaced by acceptable personnel. For any stoppage of operations for such delays, no day rate will be applicable.

16.0 LIABILITY FOR THE WELL:

The Company shall be liable for the cost of regaining control of any wild Well as well as the cost of removal of debris, and shall indemnify Contractor for any such cost, regardless of the cause thereof except in the case of negligence of the Contractor, its Agents, Employees or sub-contractors, the Company shall be responsible for and shall indemnify and hold harmless Contractor from any claims in respect of loss or damage to the hole or Well. In the event the hole is lost or damaged because of the negligence of Contractor, Contractor's sole responsibility thereafter shall be the obligation to repair such damage within the limits of Contractor's normal complement of equipment and personnel or re-drill the hole in the same well or an alternate well to the depth at which, such hole was lost at a rate equal to fifty (50) percent of the applicable operating day rate only by deploying the drilling unit and personnel provided. However, that in the case of any relief well, Operator shall be solely responsible for all other costs or damage with respect to such loss or damage, regardless of the cause of such loss or damage.

16.1 LOSS OR DAMAGE OF CONTRACTOR'S DRILLING UNIT OR SUB-SURFACE EQUIPMENT

a) The Contractor shall at all times be solely responsible for any damage to or loss or destruction of the Drilling Unit and its other property irrespective of how such loss, damage or destruction is caused, and even if caused by the Gross Negligence of the Company and/or his servants, agents, nominees, assignees, Contractors and subcontractor, and Contractor shall hold harmless and indemnify the Company from and against any expenses, loss or claim related to or resulting from such loss, damages or destruction.

b) If the Drilling Unit is declared to be a total loss and/or construed to be total loss, as determined by the applicable insurance coverage, this

Contract shall stand terminated in respect of the Drilling Unit(s) as of the occurrence of the event causing such loss and each party shall thereupon be released of all further obligations hereunder in respect of that Drilling Unit(s), except for its payment of money then due or liabilities to be charged in respect of the Work already done under this Contract in respect of that Drilling Unit(s).

c) Except as otherwise specifically provided in the Contract, any damage to or loss, of the Drilling Unit and/or subsurface tools/equipment regardless of the cause or reason for said loss, shall be the loss of the Contractor, its underwriters or insurers. Contractor indemnifies OIL, its Co-licensees and its and their affiliates, agents, employees, invitees, servants, their underwriters or insurers (other than Contractor's) and their employees, agent from any claim whatsoever or responsibility for any damage to or loss of the Drilling Unit or any other equipment or property of Contractor or Contractor's sub- contractors furnished or intended for use in the operations herein undertaken.

d) If the Drilling Unit or any part thereof or sub-surface tools/equipment is lost or damaged beyond repair or becomes an actual or constructive compromised, arranged loss or is otherwise abandoned, the Contractor shall, if required by OIL or by the laws, regulation or order of Governmental Authorities or Agency remove the Drilling Unit from operating areas to the satisfaction of Company. If the Contractor unreasonably delays in removing the Drilling Unit or any part thereof, Company may remove it and the Contractor shall indemnify and reimburse Company for all cost and expenses incurred by OIL in connection therewith. Any expense incurred by Company in connection with or for locating the area/price of such loss/damage and/or ascertain whether such loss/ damage has resulted in any pollution or not, shall also be reimbursed by the Contractor to Company.

e) **LOST IN HOLE (LIH):**

i. Notwithstanding any provision under this contract to the contrary, Company shall assume liability except in the event of Wilful Misconduct or Gross Negligence on the part of the contractor for loss to the contractor's equipment/ tool in hole below rotary table, subject to conditions prescribed herein below. Company shall reimburse the contractor for the value of lost equipment/ tool as declared in the import invoices at the time of import (for foreign items)/ purchase invoice (for indigenous items)or CIF value declared in the contract in the list of imported items (for foreign items) whichever is lower for any such loss, less depreciation @ 3% per month or part thereof from the date of import invoice/indigenous invoice up to a maximum depreciation equivalent to 50% of CIF/Ex-works value as indicated by the contractor.

ii. All such cost shall be payable by Company only after contractor submits the self-declaration form as per the sample format attached (**Proforma-LIH**). For any such loss / damage, the contractor shall notify the Company within one month. The inspection of recovered from downhole need to be made by Company's representative before submission of the invoice by contractor.

iii. The claim on account of Loss / Damage should be claimed within six months of the incident or before expiry of the Contract, whichever is earlier. OIL shall certify the Loss / Damage in Hole immediately upon receiving the intimation from the contract, so that replacement and claiming of Loss / Damage can be done within stipulated time.

Note:

i) No Mobilization cost would be payable towards replacement of LIH tools/equipment

ii) GST, if applicable on LIH, will be reimbursed by OIL.

DOCUMENTATION OF LOSS:

Whenever any loss, damage or destruction to any of the contractor's equipment occurs, as stated in Clause above, the Contractor shall immediately notify the same to OIL describing the loss / damage. Whenever the contractor makes any claim pursuant to the provisions under the above clause, the contractor shall furnish in support thereof as noted below:

a) List of the equipment lost or damaged.
b) Extent of the damage.
c) Particulars of import, customs assessed bill of entry & invoices.
d) Vouchers, invoices or any other documents indicating the date of first use of the equipment in India.
e) Costs of repairs, if any, supported by evidence of the same.
f) Documentary evidence or self-declaration as per format provided that the particular tool(s) / equipment in question is / are not covered by Contractor's insurance.
g) Approval from Contractor's competent authority for writing off the LIH item in the books of contractor.

16.2 **COMPANY'S EQUIPMENT:** Contractor shall assume the risk of and shall be solely responsible for, damage to and loss or destruction of materials and equipment or supplies furnished by Company. In case there is a loss or damage to Company's equipment for causes attributable to Contractor, the Contractor shall compensate Company.

16.3 **BLOWOUT OR CRATER:** In the event any well being drilled hereunder shall blowout or crater due to negligence of the Contractor, Contractor shall bear the entire cost and expenses of killing the well or otherwise bringing the well under control upto US Dollar One Million for each incident and in this regard Operator shall indemnify and hold Contractor harmless in excess of US Dollar One Million for each incident. This applies only to the cost of bringing the well under control and is not to be interpreted as an assumption by Operator of any liability for injuries, to Contractor's personnel and or damage to the Drilling Unit, caused by such blowout to the Contractor, except as otherwise provided under the terms and conditions of this Agreement.

16.4 **USE OF CONTRACTOR'S EQUIPMENT:** The Company shall have the right to use the Drilling Unit and the entire Contractor's equipment provided under the Contract during such times as Company or both Company and the Contractor are engaged in bringing the well under control.

16.5 **POLLUTION AND CONTAMINATION:** Notwithstanding anything to the contrary contained herein, it is agreed that the responsibility and liability for pollution or contamination shall be as follows:

a) Contractor shall assume all responsibility and liability for cleaning up and removal of pollution or contamination which originates above the surface from spills of fuels, lubricants, motor oils, drilling fluid and cuttings, pipe dope, paints, solvents, ballast, bilge and garbage wholly in Contractor's possession and control and/or directly associated with Contractor's equipment and facilities, caused and that originating from drilling fluid, cuttings and any other operations, provided, however, Contractor's liability shall be limited to US Dollars One Million (US$ 1 Million) where after the Operator shall indemnify and hold harmless Contractor for amounts in excess.

b) Except as otherwise provided in article 10.5(a), Operator shall assume all responsibility for (including control and removal of the pollutant involved) and shall protect, defend and save the Contractor harmless from and against all claims, demands, and causes of action of every kind and character arising from all pollution or contamination, other than that described in sub-clause (a) above, which may occur due to fire, blowout, cratering, seepage of any other uncontrolled flow of oils, gas, water or other substances, as well as the use or disposition of oil emulsion, oil base or chemically treated drilling fluids, contaminated cuttings or caving, lost circulation and fish recovery materials and fluids provided however, Contractor's sole liability under this sub-clause is to reimburse Operator US Dollars One Million (US$ 1 Million) of cost paid/incurred by Operator in control of the pollutant, cleanup costs, or damage to a third party, provided said pollution results from contractor's sole negligence.

c) In the event a third party commits an act of omission which results in pollution or contamination for which either the Contractor or Company, by whom such party is performing work is held to be legally liable, the responsibility shall be considered as between Contractor and Company, regardless of the party for whom the job was performed and liability as set forth in (a) and (b) above would be specifically applied.

d) In the event effluent / waste pit provided by the Company within wellsite getting filled up in the normal course which can be prevented by Contractor, the same shall be emptied completely or partially by the Contractor using disposal pumps, after proper treatment of effluent, to avoid overflow in the neighbouring areas. The Company will provide additional effluent pits at its cost within the wellsite or at a site outside the well plinth. The Company shall provide effluent pit line to the entrance gate of the well plinth, However, connecting to well site pump with the pit line and pumping to the pit as provided by the Company shall be Contractor's responsibility. Company's representative should be informed immediately about any leak on the said pit line during pumping out of effluent. In case pits so constructed have seepage from the walls of the pit

or bund of the pit, Company will take remedial action to prevent the same at its cost.

e) The Contractor shall be responsible for any sound/noise pollution arising out of the Rig package or other items used by the Contractor at well site and should take measures to bring the noise level to applicable level as per Central / State Pollution Control Board Norms. Contractor shall sort out the noise/sound pollution with the third party either by minimizing the sound/noise pollution with technological means or by compensating the affected people practicing the procedure followed by OIL. Contractor must ensure that there is no disruption of operation due to sound / noise pollutions.

f) Contractor shall assume all responsibility and liability for erection/ installation and efficient operation of the mobile Effluent Treatment Plant, dismantling prior to ILM for next location and maintaining the sample analysis report for both solid and liquid output conforming to SPCB Standard (desired output of treated effluent, expected effluent characteristics from various sources & test frequency are given below).

PERMISSIBLE LIMIT OF CONSTITUENTS

IN OUTPUT OF ETP AS PER SPCB

Sl No.	Parameters	Permissible Limit (not to exceed) SPCB
1	pH	5.5 -9.0
2	Temperature	40° C
3	Suspended Solids	100 mg/L
4	Oil & Grease	10 mg/L
5	Phenolics	1.0 mg/L
6	Cyanides	0.2 mg/L
7	Fluorides	1.5 mg/L
8	Sulphides	2.0 mg/L
9	Chromium (Hexa)	0.1 mg/L
10	Chromium (Total)	1.0 mg/L
11	Copper	0.2 mg/L
12	Lead	0.1 mg/L
13	Mercury	0.01 mg/L
14	Nickel	3.0 mg/L
15	Zinc	2.0 mg/L
16	BOD at 27° C for 3 days	30 mg/L
17	COD	100 mg/L
18	Chlorides	600 mg/L
19	Sulphates	1000 mg/L
20	Total Dissolved Solids	2100 mg/L

21	Percent Sodium	60 mg/L

Name of the sample: Composite sample of drilling mud effluents from Hydro cyclones

Sl. No.	Parameters	Units	Result
1	Appearance	-	Greyish pourable mud
2	Total suspended solid	Mg/I	65300
3	Total Solid	Mg/I	66800
4	Total Dissolved Solid	Mg/I	1500
5	M. Value as CaCO3	Mg/I	120
6	Chloride as Cl	Mg/	85
7	Sulphate as SO4	Mg/I	1400
8	Total Iron as Fe	Mg/I	60
9	Total Chromium as Cr	Mg/I	5.6
10	Hexavalent chromium as Cr	Mg/I	< 0.1
11	Vanadium as V	Mg/I	< 0.2
12	Total Heavy Metals as Pb	Mg/I	< 0.2
13	Specific Gravity of Mud		1.03

Physio Chemical Characteristic of drilling mud (Waste Water)

Sl. No.	Parameters	Units	Result
1	Appearance	-	Greyish pourable mud
2	Total suspended solids	Mg/I	12990
3	Total Solids	Mg/I	14490
4	Total Dissolved Solids	Mg/I	1500
5	M. Value as CaCO3	Mg/I	600
6	Chloride as Cl	Mg/I	210
7	Sulphate as SO4	Mg/I	25
8	Total Iron as Fe	Mg/I	-
9	Total Chromium as Cr	Mg/I	< 0.02
10	Hexavalent chromium as Cr	Mg/I	< 0.02
11	Vanadium as V	Mg/I	< 0.1
12	Total Heavy Metals as Pb	Mg/I	< 0.2

13	Specific Gravity of Mud		1.0074
14	Total Oil	% (m/v)	1.0
15	Free Oil	% (m/v)	0.8
17	Emulsified Oil	% (m/v)	0.2
18	BOD at 27^0C for 3 days	mg/l	137
19	COD	mg/l	825

Name of the sample: Sample Collected from vibrating screen

Sl. No.	Parameters	Units	Result
1	Appearance	-	i. Hard Cake having solid consistency 36%. ii. Lower layer Black uplayer-Gray on dissolution with water in ratio 1.1
2	Soil to Emulsified mud ratio	-	82:12
3	Nature of Settling	-	Black mud separates out from emulsified mud in 2 to 4 Hrs.
4	pH of the upper unsettleable layer	-	7.3
5	M. Value as CaCO3	mg/I	148
6	Chloride as Cl	mg/I	95
7	Sulphate as SO4	mg/I	1650
8	Iron as Fe	mg/l	68
9	Total Chromium as Cr	mg/l	6.0
10	Hexavalent Chromium as cr	mg/l	< 0.2
11	Vanadium as V	mg/l	< 1.0
12	Other Heavy Metals as Ph	mg/l	< 1.0

Test Parameters and tentative Frequency of various tests

Sl. No	Parameters	Permissible Limit (not to exceed) SPCB	Daily Testing at Site	Fortnightly Testing offsite by the Contractor
1	pH	5.5 -9.0	Yes	
2	Temperature	40° C	Yes	
3	Suspended Solids	100 mg/L	Yes	
4	Oil & Grease	10 mg/L	Yes	Yes
5	Phenolics	1.2 mg/L	Yes	
6	Cyanides	0.2 mg/L		Yes
7	Fluorides	1.5 mg/L		Yes
8	Sulphides	2.0 mg/L		Yes
9	Chromium (Hexa)	0.1 mg/L	Yes	
10	Chromium (Total)	1.0 mg/L		Yes
11	Copper	0.2 mg/L		Yes
12	Lead	0.1 mg/L		Yes
13	Mercury	0.01 mg/L		Yes
14	Nickel	3.0 mg/L		Yes
15	Zinc	2.0 mg/L		Yes
16	BOD at 27° C for 3 days	30 mg/L		Yes
17	COD	100 mg/L	Yes	
18	Chlorides	600 mg/L	Yes	
19	Sulphates	1000 mg/L	Yes	
20	Total Dissolved Solids	2100 mg/L	Yes	
21	Percent Sodium	60 mg/L		Yes

17.0 WAIVERS AND AMENDMENTS:

It is fully understood and agreed that none of the terms and conditions of the contract shall be deemed waived or amended by either party unless such waiver or amendment is executed in writing by the duly

authorized agents or representatives of such party. The failure of the Company to execute any right of termination shall not act as a waiver or amendment of any right of the Company provided hereunder.

18.0 CUSTOMS DUTY:

18.1 In terms of Sl. No. 404 of the Customs Notification No.50/2017-Cus dated 30.06.2017, imports of the items specified in List 33 of the Notification are subject to levy of concessional rate of customs duty subject to conditions specified therein (Condition No. 48). However, Condition No. 48 along with List-33 of the said notification has been amended vide Customs Notification No. 30/2024-Customs dated 23.07.2024. Similarly, the domestic supply of such goods would attract concessional GST on submission of Essentiality Certificate (EC) issued by DGH in terms of Gazette Notification No. No. 3/2017-Central Tax (Rate) dated 28.06.2017 (and as amended from time to time).

18.2 Bidder should provide the list of items to be imported by them under the Contract in the format specified in **Proforma-A** along with their bid for issuance of requisite undertaking/certificate for availing concessional rate of customs duty only against the items explicitly covered under List-33 of Customs Notification No. 30/2024-Customs dated 23.07.2024 or against any other item(s) subsequently declared by the competent authority during the tenure of the contract to be duty exempted/concessional. Contractor shall make written request to Company immediately after shipment of the goods indicated by them in **Proforma-A**, alongwith the Invoices and all shipping documents (with clear 15 working days' notice) requesting Company for issuance of the Recommendatory Letter/requisite undertaking/certificate. Company shall issue the Recommendatory Letter/ requisite undertaking/certificate provided all the documents submitted by the Contractor are found in order as per contract. Undertaking/Certificate for availing concessional rate of Customs Duty shall be issued by OIL only for the eligible items, provided the same are included in the Proforma-A submitted by the bidder.

18.3 The required certificate/undertaking for availing concessional duty will be issued by OIL only for those items which are either consumed during the execution of work or for those equipment/tools which are undertaken to be re-exported by the bidder. The required certificate/undertaking will not be issued when the bidder imports the equipment/tools on acquisition basis and does not undertake to re-export the same after the completion of the contract.

18.4 The contractor shall be responsible to carry out all the formalities. In case of any mis-declarations or offences committed under the Customs rules and regulations and also allied rules, fine, penalty or any other charges levied by the concerned authorities on OIL shall be borne by the Contractor including the element of interest on OIL's fund blocked under such circumstances. OIL shall be indemnified by the Contractor against all actions by Govt. or any other agency for acts of commission and omission.

18.5 Contractor shall be responsible to import the equipment/tools for execution of the contract. The contractor shall undertake to complete all

the formalities as required under the Customs Act/Foreign Trade Policy (FTP) and indemnify OIL from all the liabilities of Customs in this regard.

18.6 The equipment/tools imported by the Contractor for petroleum operations against the certificate/undertaking provided by OIL shall not be used/deployed by the Contractor for any purpose other than the jobs arising out of the contract awarded by OIL and in the event of equipment/tools being misused or put to use other than specified use, the Contractor shall be liable to pay duty, fine, penalty and other actions taken by the Customs Department and other authorities for violation of the customs rules and regulations and other allied rules.

18.7 OIL will not issue any Undertaking/Certificate towards customs duty concession/exemption for those items (not included in List-33 of Notification) and the duty payable on merit shall be borne by the Contractor. However, any other item if subsequently notified by the competent authority to be Duty free/concessional during the tenure of the contract, OIL will issue requisite Certificate/Undertaking for Contractor to avail the Customs Duty benefit and the duty benefit must be passed on to OIL.

18.8 All costs of imports and import clearances under the contract shall be borne by the contractor and Company shall not provide any assistance in this regard.

18.9 However, in the event customs duty becomes leviable during the course of Contract arising out of a change in the policy of the Government, the Company shall reimburse the customs duties leviable in India on Contractor's items as provided in Proforma-A or the actual whichever is less, on submission of documentary evidence. However, the Contractor should notify about the change in policy with documentary evidence and obtain Company's consent prior to shipment of the items. Company's obligation for Customs Duty payment shall be limited / restricted to the tariff rates as assessed by the Customs on the day of clearance, or as on the last day of the stipulated mobilization period. In case of clearance thereafter, on the CIF value of items in Proforma-A will be frozen and any increase in Customs Duty on account of increase in value on these will be to the Contractor's account. Furthermore, in case the above CIF value is not acceptable to assessing Customs Officer and as a result if any excess Customs Duty becomes payable, it shall be to Contractor's account.

18.10 Contractor shall, however, arrange clearance of such items from Customs and port authorities in India and shall pay all requisite demurrages, if any, clearance fees/charges, port fees, clearing and forwarding agent fees/ charges, inland transport charges etc. Company shall provide all assistance by issuance of necessary letter of authority or other relevant documents and necessary help.

18.11 Contractor must ensure that the spares and consumables imported by them for providing the services under Contract are properly used in executing their job under the Contract in the PEL/ML areas of Company for which EC has been obtained. Contractor shall furnish to Company a certificate as and when the spares and consumables are used/consumed certifying that the spares and the consumables imported by them have

been consumed in those ML/PEL areas under the contract for which ECs were obtained by them. In order to avoid any misuse of the spares and consumables imported by the Contractor for providing the services under the Contract, Contractor shall furnish an Undertaking similar to that being furnished by Company to Customs of suitable amount before issue of the Recommendatory Letter.

19.0 <u>DEMOBILISATION & RE-EXPORT</u>: The Contractor shall arrange for and execute demobilization of the entire Rig package, Tools/Equipment/Spare/ Accessories/Manpower etc. upon receipt of notice for demobilization from Company. Demobilization shall mean completion / termination of the contract and shall include dismantling of the complete Rig package, its accessories/ equipment, including the manpower and re-export of the complete Rig package (if re-exportable), its accessories/equipment, unutilized spares and consumables at the cost of the Contractor. Demobilization shall be completed by Contractor within 60 (sixty) days of issue of demobilization notice by Company. Immediately after re-exporting the Rig package, its accessories, equipment and the unused spares and consumables, Contractor shall submit the detailed re-export documents to Company as documentary proof of re-exporting the complete Rig package, its accessories, equipment and the unused spares and consumables. In case of failure to re-export any of the items as above within the allotted time period of 60 (sixty) days except under circumstances relating to Force Majeure, Company reserves the right to withhold the estimated amount equivalent to the Customs Duty and/or penalty leviable by customs on such default in re-export from Contractor's final settlement of bills and Performance Security.

19.1 In the event all/ part of the equipment etc. are transferred by Contractor within the country to an area where nil Customs Duty is not applicable and/or sold to a third party after obtaining permission from Company and other appropriate government clearances in India, then Contractor shall be fully liable for payment of the Customs Duty.

19.2 Contractor must furnish an undertaking that "the equipment imported and also spares & accessories which remained unutilized after the expiry of the contract, would be re-exported at their own cost as applicable after completion of contractual obligations and observing all the formalities/rules as per Customs Act or any other relevant Act of Govt. of India applicable on the subject". In case of non-observance of formalities of any provisions of the Customs Act or any other Act of Govt. of India, the Contractor shall be held responsible for all the liabilities including the payment of Customs Duty and penalties to the Govt. on each issue. Non-compliance of these provisions will be treated as breach of contract and their Performance Bank Guarantee will be forfeited.

19.3 In the event all / part of the equipment etc. are transferred by Contractor after expiry/termination of the contract within the country to another operator for providing services, and/or sold to a third party, Contractor shall obtain all necessary Govt. of India clearances including the Customs formalities for transferring to another operator and/or sale of the Rig package, its accessories, equipment and the unused spares and consumables to a third party. Company will not be responsible for any non-compliance of these formalities by Contractor. Payment of Customs Duty and penalties (if any) imposed by Govt. of India or Customs authorities for

transferring the items in part or in full to an area where Nil Customs Duty is not applicable, or sale of the items shall be borne by the Contractor and Contractor indemnifies Company from all such liabilities.

20.0 CONFIDENTIALITY:

Contractor agrees to be bound by professional secrecy and undertake to keep confidential any information obtained during the conduct of Drilling Operations, including, but not limited to, formations penetrated, results of coring, testing and surveying of the well. And to take all reasonable steps to ensure the Contractor's personnel likewise keep such information confidential.

20.1 This obligation shall remain in force even after the termination date and until such information will be disclosed by Company.

20.2 Contractor shall handover to Company all Company's documents or drafts concerning operations carried out and which are still in its possession before transferring the Drilling Unit to another sphere.

20.3 Contractor shall forbid access to the Drilling Unit to any people not involved in the drilling operations or not authorized by the Company to have access to the drilling Unit, however, this provision is not applicable to any Government and/or police representative on duty.

21.0 RIGHTS AND PRIVILEGES OF THE COMPANY:

Company shall be entitled:

21.1 To check the Drilling Unit and Contractor's items before the commencement Date. If they are not found in good order or do not meet specifications as per Section - II or in case of non-availability of some of the Contractor's items listed therein, the Contractor may not be allowed for commencement until the Contractor has remedied such default.

21.2 To change the drilling programme, mud programme, well depths to complete or abandon any well at any time.

21.3 To approve the choice of sub-contractors for any essential third-party contract, concerning materials, equipment, personnel and services to be rendered by Contractor. Sub-contract may be entered into by Contractor only after Company's approval.

21.4 To check, at all-times, Contractor's stock level, to inspect Contractor's equipment and request for renovation or replacement thereof, if found in unsatisfactory condition or not conforming to regulations or specifications.

21.5 To order suspension of operations at Nil Day Rate while and whenever:

a) Contractor's personnel are deemed by Company to be not satisfactory.
b) Contractor's equipment does not conform to regulations or to the specifications laid down in the Contract.
c) Contractor's equipment turns into a danger to personnel on or around the rig or to the well.

d) Contractor's insurance in connection with the operations hereunder is found by Company not to conform to the requirements set forth in the contract.
e) Contractor fails to meet any of the provisions in the Contract.
f) Any shortage in key/additional (compulsory) personnel and inadequacy of other personnel.

g) Contractor is found non-compliant to HSE requirements as per Safe Operating Practices or applicable laws.

21.6 To reduce the rates reasonably at which payments shall be made if the Contractor is allowed to continue the operation despite having certain deficiency in meeting the requirements as per provision in the contract.

22.0 EMERGENCY:

22.1 Without prejudice to Clause 16.4 here of Company shall be entitled in emergency (the existence of which shall be determined by Company) at its own discretion, to take over the operations of the Drilling Unit, direct Contractor 's personnel in the event that Company's interest will demand so. In such case, Company will notify Contractor of its action and within three (3) days confirm such notice in writing, setting forth the reasons for its action.

22.2 In such event, Company shall pay Contractor in accordance with the terms of the Contract as if Contractor was carrying out the operations.

22.3 All operations so conducted shall remain at the risk of Contractor to the extent Contractor is covered by insurance. When the well has been completed or when the conduct of the operations has been returned to the Contractor, the equipment shall again be put at Contractor's disposal in the same condition as at the time the operations were taken over by Company, taking into account normal wear and tear and any inherent defects at the time of taking over by OIL.

23.0 HEADINGS: The headings of the clauses of the Contract are for convenience only and shall not be used to interpret the provisions hereof.

24.0 SUSPENSION AT COMPANY'S REQUEST: The Company shall have the right, without cause, at any time to require the Contractor to suspend the work under this Contract on giving notice to the Contractor specifying the estimated duration of the suspension period. The work shall resume at the end of suspension period or such other date as the Company may specify to the Contractor by notice in writing. During the suspension period, Contractor shall be paid as per the provisions of **Clause 8.0 of Section - IV 'Schedule of Rates'**. The Company shall notify the Contractor, whether it requires the Contractor to stack Equipment and/or Personnel at its current location or at a different location.

The total suspension period during the Contract duration shall not exceed 3 (three) months. However, beyond said period, the suspension period may be extended by the parties at mutually agreed rates, terms and conditions. The Company, at its discretion, may add back such suspension period to the original Contract duration at the same rates,

terms and conditions by giving 30 (thirty) days' notice to the Contractor before the expiry of the Contract.

25.0 INTER-LOCATION RIG MOVEMENT (ILM) STANDARD:

25.1 Time allowed for inter-location movement of entire rig package for a distance upto thirty (30) Kms shall be Sixteen (16) days. For more kilo meterage, the time allowed shall be in proportions of one (1) day for each 30 KM or part thereof. In case of cluster location on the same well plinth time allowed for inter-location movement of rig package shall be eight (08) days.

25.2 The time for inter-location movement suspended by Force Majeure, shall be extended by the period for which the Force majeure conditions last. No Day Rate, whatsoever, will be payable for extended period due to force majeure conditions.

25.3 The ILM charge shall be discounted by 5% for each day's delay beyond the standard, as stipulated in 25.1 above of total cost for inter-location movement rate payable for that particular rig movement, when the rig move is delayed beyond the standard.

26.0 PREVENTION OF FIRE AND BLOWOUTS:

26.1 Contractor shall use the BOP equipment as specified in this Agreement, on all strings of casing unless otherwise directed by the Company. Contractor shall maintain all well control equipment in good condition at all times and shall take all possible steps to control and prevent the fire and blowouts to protect the hole. The Contractor shall be responsible for taking all preventive and corrective measures for initial control of kick, inflow, fire and blowouts. After initial control of well, Contractor shall inform OIL's Representative about the well condition and finally well shall be killed after mutual discussion with Company's representative.

26.2 Bridging document & Risk Register to be prepared by the contractor, mentioning Contractor's role in case of fire / uncontrolled release of well fluid or any other such eventualities.

26.3 The Contractor shall conduct testing of the BOPs as per OMR &/or OISD Std. RP174. Contractor shall record results of all such tests in the daily drilling report.

26.4 Contractor shall use all reasonable means to keep the hole and all strings of casing filled with drilling fluid at all times.

27.0 SAFETY:

Contractor shall take all measures necessary or proper to protect the personnel, work and facilities and shall observe all reasonable safety rules and instructions. No smoking shall be permitted outside the living quarters, and welding jobs will be carried out with full safety precautions. Company employee also shall comply with safety procedures/ policy.

28.0 DISCIPLINE:

Contractor shall carry out operations hereunder with due diligence and in a safe and workman like manner according to good international oilfield practices. The Contractor shall maintain strict discipline and good order among their respective employees and their respective Sub-contractors, if any, and shall abide by and conform to all rules and regulations promulgated by the Company and Contractor governing the operations at the assigned worksites. Should the Company feel with just cause that the conduct of any of the Contractor's personnel is detrimental to Company's interests, the Company shall notify Contractor in writing the reasons for requesting removal of such personnel. The Contractor shall remove and replace such employees at their expense within 10 days from the time of such instruction given by the Company. If no replacement has been provided within this time, the Company shall reduce the daily rate by the amount specified for this category under clause 27.0 mentioned below, until such replacement has been provided. The person/s so removed shall not be employed again without the prior written consent of the Company. Contract shall not permit any of its employees, representatives, agents or sub-contractors to engage in any activity which might reasonably be considered to be contrary or detrimental to the interest of the Company.

29.0 WATER MANAGEMENT:

i) The Contractor is solely responsible for making available the required water for well site & campsite use. The sinking of deep tube wells at the respective sites and installation/ operation of water pumps, extraction of water from deep tube wells or collection from natural sources nearby including treatment of same for rigs as well as camp shall be the Contractor's responsibility. Supply of water from any alternate sources shall be the sole responsibility of the Contractor, if no water is found at the exact camp or well site.

ii) Strict control has to be made on the use of water. Wastage of water increases the effluent volume in the pit and may aggravate pollution problems.

iii) The valves, glands, hoses etc. are to be checked for any leakage and the same to be rectified.

iv) Arrangements have to be made for pumping effluents into the nearest dry pit as provided by the Company in case of emergency. Company shall provide effluent pit line to the entrance gate of the well plinth.

NOTE:

i) In case, the rig remains idle for want of acceptable quality water, then 'NIL' Day Rate shall be applicable for the entire period of shut-down.

ii) In case of total mud loss into the formation while drilling or in case of fire-fighting, if the whole water stock is consumed, then 'NIL' Day Rate will not be applicable. However, the Contractor has to take urgent & all effort to replenish the stock immediately in order to tackle the water problem.

iii) To cater the need of all emergencies an alternate adequate water source should be identified & arrangement should be kept ready to provide water to camp / well-site to meet the emergencies.

30.0 CIVIL ENGINEERING WORK: All Civil Engineering jobs associated with preparation of approach road, well site plinth, rig foundation (with cellar) etc. will be the Company's sole responsibility. However, the bidder shall submit the following **along with their bid** in order to assess the quantum of civil engineering works required:

a) Rig layout drawing clearly indicating areas where road / hard standing is required.

b) Substructure foundation design and detailed working drawing.

c) Cellar foundation design and detailed working drawing. Also, indicate maximum allowable cellar foundation size.

d) Structural configuration and load distribution of the rig package/ equipment.

e) Detailed design and working drawing of any other equipment requiring cement concrete/reinforced cement concrete foundation

f) Details dimension of the Dyke Enclosure around HSD tanks. The volume to be contained should be as per OISD-STD-118

g) All approach roads to well site and hard standing of well sites will be made from gravel locally available without any black topping whatsoever as per prevailing practice.

h) Additional civil work involvement, if any.

31.0 <u>PENALTIES:</u>

In the event of the Contractor's failure to strictly adhere in providing the requirements as per Scope of Work, the penalty shall be levied at the following rates:

Sl. No.	Category	Penalty
1	**SAFETY:** Non-compliance of Safety Management System of Drilling Services, Oil India Ltd, violations of HSE specification and statutory requirement will attract penalty (ies).	In such case, operation will be stopped & ZERO RATES will be applicable
2	**DEFICIENCY:** In the event of the Contractor's failure to strictly adhere in providing the minimum requirements of key personnel as set out under **<u>5.3. GROUP - III</u> (R)** of SoW, the penalty shall be levied at the following rates.	

	a) Failure to provide any of the following: • Rig Manager / Rig Superintendent • Tool pusher • Tour Pusher / Night Tool Pusher/ Mechanical Engineer / Electrical Engineer	At the rate of 5% of the operating day rate for each person per day
	b) Failure to provide Driller and/or Asstt. Driller / HSE Officer / Mud Engineer / Mechanic / Electrician / Medico	At the rate of 3% of the operating day rate for each person per day
	c) Failure to provide other key personnel excepting those mentioned in a) & b) above.	At the rate of 2% of the operating day rate for each person per day.
	NOTE: 1. The above penalty rates are applicable for the first seven (07) days. In case more than one key personnel are not available at a time, penalties applicable for such personnel will be levied simultaneously. 2. Beyond seven (07) days, the penalty will be levied at double the rates mentioned above for each day per person for non-availability of any key personnel. 3. NIL Day rate will be applicable if operation is suspended for non-availability of key personnel.	
3	**ILM**	The ILM charge shall be **discounted by 5% for each day's delay beyond the standard**, as stipulated in Clause 21 of SCC.
4	**INOPERATIVE RIG EQUIPMENT:**	
4a	**TOP DRIVE SYSTEM**	During the period of operations being continued with Kelly Drive System due to breakdown of TDS all day rates (i.e., operating, standby, rig repair, force majeure, and stack) will be slashed to 80% (Eighty Percent) of respective day rates

	Note: Nil day rates will be applicable during the entire period of change over from top drive system to Kelly drive system or vice-versa.	
4b.	Waste Management System	**Zero-rate** will be applicable if OIL decides not to continue operation due to non-function of the ETP and/or VCD. However, if OIL decides to continue operation without ETP and/or VCD and/or operation of the ETP/VCD not meeting the scope fully (as per Annexure: Waste Management under Scope of work), then all day rates during the first five (5) days will be slashed to 90% of respective day rates. Beyond five (5) days the rates will be further slashed to 80% of respective day rates till ETP or VCD is fully functional.
5	**NON-AVAILABILITY OF DOCUMENTS / CERTIFICATION**	At the rate of 0.5% of the ODR per day
6	**RIG REPAIR**	In case total Rig Repairing hours (As defined under SOR – Repair Day Rate) in a particular month crossed the permissible time of 30 hours, Contractor will be allowed to repair the break-down equipment within 07 days. At the end of 07 days, if Contractor fails to repair the equipment, penalty will be levied at the rate of 0.05% of ODR (Operating Day Rate) per hour.

32.0 GOODS AND SERVICES TAX:

(i) In view of GST Implementation from 1st July 2017, all taxes and duties including Excise Duty, CST/VAT, Service tax, Entry Tax and other indirect taxes and duties have been submerged in GST. Accordingly reference of Excise Duty, Service Tax, VAT, Sales Tax, Entry Tax or any other form of indirect tax except of GST mentioned in the bidding document shall be ignored.

Bidders are required to submit copy of the GST Registration Certificate while submitting the bids wherever GST (CGST & SGST/UTGST or IGST) is applicable.

(ii) "GST" shall mean Goods and Services Tax charged on the supply of material(s) and services. The term "GST" shall be construed to include the Integrated Goods and Services Tax (hereinafter referred to as "IGST") or Central Goods and Services Tax (hereinafter referred to as "CGST") or State Goods and Services Tax (hereinafter referred to as "SGST") or Union Territory Goods and Services Tax (hereinafter referred to as "UTGST") depending upon the import / interstate or intrastate supplies, as the case may be. It shall also mean GST compensation Cess, if applicable.

(iii) Quoted price/rate(s) should be inclusive of all taxes and duties, except GST (i.e. IGST or CGST and SGST/UTGST applicable in case of interstate supply or intra state supply respectively and cess on GST if applicable) on the final service. However, GST rate (including cess) to be provided in the respective places in the Price Bid .Please note that the responsibility of payment of GST (CGST & SGST or IGST or UTGST) lies with the Supplier of Goods/Services (Service Provider) only .Supplier of Goods/Services (Service Provider) providing taxable service shall issue an Invoice/Bill, as the case may be as per rules/regulation of GST. Further, returns and details required to be filled under GST laws & rules should be timely filed by Supplier of Goods/Services (Service Provider) with requisite details.

(iv) Bidder should also mention the Harmonised System of Nomenclature (HSN) and Service Accounting Codes (SAC) at the designated place in SOR.

(v) **Where the OIL is entitled to avail the input tax credit of GST**: OIL will reimburse the GST to the Supplier of Goods / Services (Service Provider) at actual against submission of Invoices as per format specified in rules/ regulation of GST to enable OIL to claim input tax credit of GST paid. In case of any variation in the executed quantities, the amount on which the GST is applicable shall be modified in same proportion. Returns and details required to be filled under GST laws &rules should be timely filed by supplier with requisite details.

The input tax credit of GST quoted shall be considered for evaluation of bids, as per evaluation criteria of tender document.

(vi) **Where the OIL is not entitled to avail/take the full input tax credit of GST**: OIL will reimburse GST to the Supplier of Goods / Services (Service Provider) at actual against submission of Invoices as per format specified in rules/ regulation of GST subject to the ceiling amount of GST as quoted by the bidder. In case of any variation in the executed quantities (If directed and/or certified by the In-Charge) the ceiling amount on which GST is applicable will be modified on pro-rata basis.

The bids will be evaluated based on total price including GST.

(vii) **Payments** to Service Provider for claiming GST amount will be made provided the above formalities are fulfilled. Further, OIL may seek copies of challan and certificate from Chartered Accountant for deposit of GST collected from OIL.

(viii) Contractor/Contractor shall be required to issue tax invoice in accordance with GST Act and/or Rules so that input credit can be availed by OIL. In the event that the contractor / Contractor fails to provide the invoice in the form and manner prescribed under the GST Act read with GST Invoicing Rules there under, OIL shall not be liable to make any payment on account of GST against such invoice.

(ix) GST shall be paid against receipt of tax invoice and proof of payment of GST to government. In case of non-receipt of tax invoice or non-payment of GST by the contractor/Contractor, OIL shall withhold the payment of GST.

(x) GST payable under reverse charge mechanism for specified services or goods under GST act or rules, if any, shall not be paid to the contractor/Contractor but will be directly deposited to the government by OIL.

(xi) Where OIL has the obligation to discharge GST liability under reverse charge mechanism and OIL has paid or is /liable to pay GST to the Government on which interest or penalties becomes payable as per GST laws for any reason which is not attributable to OIL or ITC with respect to such payments is not available to OIL for any reason which is not attributable to OIL, then OIL shall be entitled to deduct/ setoff / recover such amounts against any amounts paid or payable by OIL to Contractor / Supplier.

(xii) Notwithstanding anything contained anywhere in the Agreement, in the event that the input tax credit of the GST charged by the Contractor / Contractor is denied by the tax authorities to OIL for reasons attributable to Contractor / Contractor, OIL shall be entitled to recover such amount from the Contractor / Contractor by way of adjustment from the next invoice. In addition to the amount of GST, OIL shall also be entitled to recover interest at the rate prescribed under GST Act and penalty, in case any penalty is imposed by the tax authorities on OIL.

(xiii) TDS under GST, if applicable, shall be deducted from contractor's/Contractor's bill at applicable rate and a certificate as per rules for tax so deducted shall be provided to the contractor/Contractor.

(xiv) The Contractor will be under obligation for charging correct rate of tax as prescribed under the respective tax laws. Further the Contractor shall avail and pass on benefits of all exemptions/concessions available under tax laws. Any error of interpretation of applicability of taxes/ duties by the contractor shall be to contractor's account.

(xv) It is the responsibility of the bidder to quote the correct GST rate. The classification of goods/services as per GST (Goods & Service Tax) Act should be correctly done by the contractor to ensure that input tax credit on GST (Goods & Service Tax) is not lost to the OIL on account of any error on the part of the contractor.

(xvi) In case, the quoted information related to various taxes, duties & levies subsequently proves wrong, incorrect or misleading, OIL will have no liability to reimburse the difference in the duty/tax, if the finally assessed amount is on the higher side and OIL will have to right to recover the difference and in case the rate of duty/taxes finally assessed is on the lower side.

(xvii) Notwithstanding anything mentioned elsewhere in the Bidding Document the aggregate liability of OIL towards Payment of Taxes & Duties shall be limited to the volume of GST declared by the bidder in its bid & nothing shall be payable extra except for the statutory variation in taxes & duties.

(xviii) Further, it is the responsibility of the bidders to make all possible efforts to make their accounting/IT system GST compliant in order to ensure availability of Input Tax Credit (ITC) to Oil India Ltd.

(xix) GST liability, if any on account of supply of free samples against any tender shall be to bidder's account.

(xx) In case of statutory variation in GST, other than due to change in turnover, payable on the contract value during contract period, the Supplier of Goods/ Services (Service Provider) shall submit a copy of the 'Government Notification' to evidence the rate as applicable on the Bid due date and on the date of revision.

(xxi) Beyond the contract period, in case OIL is not entitled for input tax credit of GST, then any increase in the rate of GST beyond the contractual delivery period shall be to Service provider's account whereas any decrease in the rate GST shall be passed on to the OIL.

(xxii) Beyond the contract period, in case OIL is entitled for input tax credit of GST, then statutory variation in applicable GST on supply and on incidental services, shall be to OIL's account.

(xxiii) Claim for payment of GST/ Statutory variation, should be raised within two [02] months from the date of issue of 'Government Notification' for payment of differential (in %) GST, otherwise claim in respect of above shall not be entertained for payment of arrears.

(xxiv) The base date for the purpose of applying statutory variation shall be the Bid Opening Date.

(xxv) The contractor will be liable to ensure to have registered with the respective tax authorities, wherever applicable and to submit self-attested copy of such registration certificate(s) and the Contractor will be responsible for procurement of material in its own registration (GSTIN) and also to issue its own Road Permit/ E-way Bill, if applicable etc.

(xxvi) In case the bidder is covered under Composition Scheme under GST laws, then bidder should quote the price inclusive of the GST (CGST & SGST/UTGST or IGST). Further, such bidder should mention "Cover under composition system" in column for GST (CGST & SGST/UTGST or IGST) of price schedule.

(xxvii) OIL will prefer to deal with registered supplier of goods/services under GST. Therefore, bidders are requested to get themselves registered under GST, if not registered yet. However, in case any unregistered bidder is submitting their bid, their prices will be loaded with applicable GST while evaluation of bid. Where OIL is entitled for input credit of GST, the same will be considered for evaluation of bid as per evaluation methodology of tender document.

(xxviii) Procurement of Specific Goods: Earlier, there is no tax incidence in case of import of specified goods (i.e. the goods covered under List-34 of Customs Notification no. 12/2012-Cus dated. 17.03.2012 as amended). Customs duty is not payable as per the policy. However, under GST regime, IGST Plus GST compensation cess (if applicable) would be leviable on such imports. Bidders should quote GST as inclusive considering IGST component for the imported Materials portion while quoting their prices on destination basis. However, GST rate to be specified in the price bid format.

(xxix) Documentation requirement for GST: The Contractor will be under the obligation for invoicing correct tax rate of tax/duties as prescribed under the GST law to OIL, and pass on the benefits, if any, after availing input tax credit.

Any invoice issued shall contain the following particulars:

a) Name, address and GSTIN of the supplier.
b) Serial number of the invoice.
c) Date of issue.
d) Name, address and GSTIN or UIN, if registered of the recipient.
Note: OIL GSTIN numbers are as follows:
Assam :18AAACO2352C1ZW
Arunachal Pradesh :12AAACO2352C1Z8
e) Name and address of the recipient and the address of the delivery, along with the State and its code,
f) HSN code of goods or Accounting Code of services[SAC];
g) Description of goods or services;
h) Quantity in case of goods and unit or Unique Quantity Code thereof;
i) Total value of supply of goods or services or both;
j) Taxable value of supply of goods or services or both taking into discount or abatement if any;
k) Rate of tax (IGST,CGST, SGST/ UTGST, cess);
l) Amount of tax charged in respect of taxable goods or services (IGST,CGST, SGST/UTGST, cess);
m) Place of supply along with the name of State, in case of supply in the course of interstate trade or commerce;
n) Address of the delivery where the same is different from the place of supply and
o) Signature or digital signature of the supplier or his authorised representative.

GST invoice shall be prepared in triplicate, in case of supply of goods, in the following manner:

(i) The original copy being marked as ORIGINAL FOR RECIPIENT;
(ii) The duplicate copy being marked as DUPLICATE FOR TRANSPORTER and
(iii) The triplicate copy being marked as TRIPLICATE FOR SUPPLIER.

In case of any advance given against any supplies contract, the supplier of the goods shall issue Receipt Voucher containing the details of details of advance taken along with particulars as mentioned in clause no. (a), (b), (c), (d), (g), (k), (l), (m) & (o) above.

(xxx) **ANTI-PROFITEERING CLAUSE**

As per Clause 171 of GST Act it is mandatory to pass on the benefit due to reduction in rate of tax or from input tax credit to the consumer by way of commensurate reduction in prices. The Supplier of Goods / Services may note the above and quote their prices accordingly.

(xxxi) In case the GST rating of Contractor on the GST portal / Govt. official website is negative / black listed, then the bids may be rejected by OIL. Further, in case rating of bidder is negative / black listed after award of work for supply of goods / services, then OIL shall not be obligated or liable to pay or reimburse GST to such Contractor and shall also be

entitled to deduct / recover such GST along with all penalties / interest, if any, incurred by OIL.

(xxxii) GST shall not be applicable for Liquidated Damages.

33.0 Financing of trade receivables of Micro and Small Enterprises (MSEs) through Trade Receivables Discounting System (TReDS) platform:

33.1 Based on the initiatives of Government of India to help MSE vendors get immediate access to liquid fund based on Buyers credit rating by discounting, OIL has registered itself on TREDS platform with M/s. RXIL, M/s. A TREDS Ltd. (Invoice Mart), M/s. Mynd Solutions Pvt. Ltd., M/s. C2FO Factoring Solutions Private Limited and M/s. KredX Platform Private Limited. MSE vendors can avail this benefit by registering themselves with any of the exchanges providing e-discounting / electronic factoring services on TReDS platform and following the procedures defined therein, provided OIL is also participating in such TReDS Platform as a Buyer.

33.2 MSE Vendor should be aware that all costs relating to availing the facility of discounting on TReDS platform including but not limited to Registration charges, Transaction charges for financing, Discounting Charges, Interest on financing, or any other charges known by any name shall be borne by MSE Vendor.

33.3 MSE Vendor hereby agrees to indemnify, hold harmless and keep OIL and its affiliates, Directors, officers, representatives, agents and employees indemnified, from any and all damages, losses, claims and liabilities (including legal costs) which may arise from Sellers submission, posting or display, participation, in any manner, on the TREDS Platform or from the use of Services or from the Buyer's breach of any of the terms and conditions of the Usage Terms or of this Agreement and any Applicable Law on a full indemnity basis.

33.4 OIL shall not be liable for any special, indirect, punitive, incidental, or consequential damages or any damages whatsoever (including but not limited to damages for loss of profits or savings, business interruption, loss of information), whether in contract, tort, equity or otherwise or any other damages resulting from using TReDS platform for discounting their (MSE Vendor's) invoices.

Note:

(i) Buyer means OIL, who has placed Purchase Order / Contract on a MSE Vendor (Seller).

(ii) Seller means a MSE vendor, who has been awarded Purchase Order / Contract by OIL (Buyer).

34.0 GENERAL OBLIGATION OF CONTRACTOR RELATED TO PAYMENT OF WAGES:

34.1 The Contractor shall also have to comply with all types of labour wages rates applicable in Assam and Arunachal Pradesh for unskilled, semi-skilled, skilled and highly skilled laborers employed locally or by the Contractor's sub-Contractors throughout the period of the contract.

34.2 The contractor shall periodically submit the monthly challans/receipts/ proof of provident fund deposited amount along with a list of his workers to Company's representative. The contractor shall be required to deposit contribution towards Provident fund or any other statutory payments to be made in respect of his workers well in time and submit a copy of challan to Company's representative on monthly basis, failing which, OIL will deduct from his bills the amount equivalent to such deductions with penalty as per the provisions of applicable act.

34.3 The contractor shall pay the wages to the workers engaged under the Contract latest by 7th of every month as per notification issued by the Ministry of Labour & Employment, Government of India from time to time. In case payments are not made regularly, subsequent invoices might be kept on hold.

34.4 Contractor shall comply statutory minimum labour wages, P.F. to his workers at the prevailing rates as fixed by statutory bodies from time to time.

34.5 The contractor shall issue wages slip every month to each worker as per THE CONTRACT LABOUR (REGULATION AND ABOLITION) CENTRAL RULES, 1971, Chapter VII, Section 78(1)(b) vide Form XIX and pay the monthly wages to the workers through bank transfer to each individual worker's bank account. Contractor must submit the monthly wages' Bank statement/Wages Register statement & PF Statement to the Company along with their invoices.

34.6 The contractor must pay at least the minimum wage as applicable throughout the Contract period including PF. The payment should be made through on-line bank transfer to the worker.

34.7 Contractor shall ensure deployment of personnel under the contract preferably from local area to the extent possible. Preference should be given to personnel who have experience of working with OIL for similar services.

34.8 The Service Provider must make the Wages to all the personnel/Manpower deployed under the contract as per the Minimum wages act wherever applicable as defined under this service and it should be in compliance with the minimum wage act of govt. as per notification issued by the Ministry of Labour & Employment, Government of India in respect of workers engaged in employment in various mines such as Gypsum mines and Bauxite mines for work above grounds and revised from time to time. Employment card to be issued as per the CONTRACT

LABOUR (REGULATION AND ABOLITION) CENTRAL RULES, 1971, vide form XIV.

34.9 An additional allowance of INR 3,000.00 per month shall be payable by the Contractor to the contract labours engaged under the Contract at the rig site. This additional allowance has to be paid on a pro-rata basis along with the monthly minimum wages based on the actual attendance.

34.10 The Contractor shall have to bear the responsibility for employment matters and any problem in this regard inclusive of employment of local people and other issues pertaining to the Contractor's operations with Oil India Limited (OIL). In case there is any disruption of work at the well site under such conditions, as stated above, the Contractor will be paid at 'Zero' rate for first 24 (twenty four) hours of affected period beyond which penalty will be levied at proportionate operating day rate in addition to zero rate.

35.0 HSD/FUEL PRICE VARIATION:

35.1 Reimbursement/ Recovery due to Variation in the HSD price will be effective, provided the fuel (HSD) price of the month for which the payment is due changes over the tendered HSD price i.e. the rate as declared in the tender by OIL, and this will be termed as BASE RATE** for all future HSD variation calculation. All subsequent reimbursement will be effective once the fuel (HSD) price of the month for which payment is due changes over the BASE RATE. Similarly, when the HSD price falls below the BASE RATE, there will be recovery/deduction from the monthly invoices for that amount based on the actual consumption. The reimbursement will be on the actual consumption as per meter reading in the Rig engines only and diesel consumption for ancillary engines will not be taken into account.

35.2 Reimbursement / recovery – if any for any particular month, will be calculated based on the variation of AVERAGE PRICE OF HSD FOR THE MONTH (from individual invoices) over the BASE RATE multiplied by the total actual consumption for that month.

35.3 All the Rig engines will be equipped by individual flow meter for measuring daily consumption and this consumption figure should reflect in the daily drilling operation report/IADC report including stock position (Both opening and closing stock) of the HSD at site. Based on this daily figure, the reimbursement/recovery – if any in the subsequent month will be calculated. In case, the Rig engines are equipped with in- built Lifetime fuel meter, the daily fuel consumption will be taken and recorded from this meter**. However, in case the meter is malfunctioning for any reasons, no reimbursement will be applicable for that period.**

35.4 For the purpose of claiming the variation in HSD rate, the service provider will have to submit the HSD purchase invoices for the month and based on the invoices, the AVERAGE PRICE OF HSD will be calculated for that particular month and if any reimbursement/recovery is applicable, the same will processed accordingly through SES by OIL.

35.5 Daily Diesel stock position of the Rig to be provided in the daily Drilling report / IADC DPR including daily diesel consumption of the Rig engines duly certified by the Authorized Company representative.

****BASE RATE OF HSD FUEL FOR THIS TENDER = INR 90.00/LITRE**

BIDDERS TO NOTE THAT ALL VARIATIONS IN HSD PRICE FOR REIMBURSEMENT/RECOVERY SHALL BE CALCULATED BASED ON THE INVOICE RATE (RETAIL RATE) OF HSD ONLY.

36.0 NOTICES:

a. Any notice given by one party to other, pursuant to this Contract shall be sent in writing or by telex or Fax and confirmed in writing to the applicable address specified below:

Company:

For Contractual Matters
CGM-Contracts
OIL INDIA LIMITED
PO DULIAJAN - 786602
ASSAM, INDIA
Email: contracts@oilindia.in
Fax No. +91-374-2803549

For technical matters:
ED-Drilling Services
OIL INDIA LIMITED
PO Duliajan – 786602
Assam, India
Email: drilling@oilindia.in
Fax No. +91-374-2804254

Contractor:

M/s_____

b. A notice shall be effective when delivered or on the notice's effective date, whichever is later.

37.0 FORCE MAJEURE RATE: As per Clause no. 7.0 of Section-IV: SOR of the tender.

38.0 STEEL POLICY: Bidder/Contractor must comply with the provisions of Gazette Notification no. CG-DL-E-01042025-262208 dated 01.04.2025 and any subsequent amendments thereof issued by the Ministry of Steel, Government of India while submitting their bids and during execution of the contract. **Bidder shall submit Form-1 of the above Gazette Notification enclosed herewith as Annexure-SP along with their technical bid.**

39.0 ESG: Consequent to the implementation of Sustainable Development (SD) and Environment, Social & Governance (ESG) Policy in OIL, effective from 28.08.2024, the successful bidder shall be required to submit a duly filled ESG Questionnaire in the prescribed format within fifteen (15) calendar days from the date of award of contract. Failure to submit the completed ESG Questionnaire within the stipulated timeline may be treated as non-compliance with contractual obligations and dealt with accordingly. The ESG Questionnaire, along with an Explanatory Note for guidance, is provided as Appendix-VII of the tender document.

END OF PART-3, SECTION-III: SCC
&&&&&

Part-3

SECTION-IV

SCHEDULE OF RATES (SOR)

The bidders must quote the rates in their priced bids strictly as per the format outlined in **PROFORMA-B** (as below considering the following. The quantity/parameter/volume of job shown against each item in the **PROFORMA-B** is tentative and valid for Bid Evaluation purpose only. Payment to the successful Bidder/Contractor shall be made on the basis of actual work done and all "DAY RATE" charges shall be payable after prorating to the nearest quarter of an hour.

SL. NO.	DESCRIPTION OF ITEMS	UOM	Estimated Quantity
1	Mobilization Charges (M)	Lumpsum	1
2	De-Mobilization Charges (D)	Lumpsum	1
3	Operating Rate per 24 Hours (ODR)	Day (Per day)	1336
4	Inter Location Movement rate per move in case of cluster location (ILM0)	Lumpsum	3
5	Inter Location Movement rate per move up to 30 Kms (ILM1)	Lumpsum	5
6	Kilometer charges when ILM is in excess of 30 Kms (ILM2)	KM (Kilometre)	420

The above rates will be guided by the following:

1.0 MOBILIZATION CHARGES (M):

1.1 In case the rig package is contemplated to be mobilized partly or fully from outside India, then the breakup of the mobilization charges to the 1st location must be furnished separately.

1.2 Mobilization charges should include mobilization of complete rig package (including Environment management system) together with all equipment/accessories, Tools, materials (spares & consumables, etc.) and manpower as mentioned in **Section-II** (PART-3).

1.3 Mobilization charges should cover all local and foreign costs to be incurred by the Contractor to mobilize the entire equipment of rig package, stores and crew to the first drilling location of the Company.

Note: Company will issue undertaking/certificate on the basis of documents to be provided by the Contractor for import of items, if envisaged in **Proforma-A**, to avail nil/concessional Customs Duty. However, responsibility for securing EC and payment of port rent, demurrage etc. and clearance of goods through Indian Customs authority will exclusively rest on the Contractor.

1.4 Mobilization charges shall be payable only when all materials, equipment and crew are mobilized at site and the well is actually spudded-in under the Contract at the designated first drilling location and duly certified by Company's Engineer.

1.5 **The mobilization charges** for the rig package should not exceed 7.5% of **the total estimated Contract cost** including Mobilization charges. However, mobilization charges if quoted in excess of 7.5% of the total estimated Contract cost including Mobilization charges, the excess amount shall be paid at the end of the contract.

2.0 DEMOBILIZATION CHARGES (D):

2.1 Demobilization charges for the complete Rig package and manpower shall be quoted on lump sum basis and shall include all charges for demobilization of the complete Rig package, unutilized spares & consumables etc. from the site.

2.2 All charges connected with demobilization including all fees, taxes, insurance, freight on export outside India or to any other place will be to Contractor's account.

2.3 Demobilization charges shall be paid one time to the Contractor for demobilizing the complete rig package including Tools/Equipment/Spare/ Accessories etc. after successful completion of all contractual obligations including re-export/block transfer etc., if any.

2.4 All Day Rates/Charges of the Rig package/operation shall cease to exist with effect from the date and time or event as to be specified by Company in the Demobilization Notice. No charges whatsoever will be payable thereafter.

2.5 **The Demobilization Charges** should not be less than 2% (two percent) of the total estimated Contract cost. In case de-mobilization charges is quoted less than 2% of the estimated total Contract cost, the differential amount will be kept on hold from the 1st invoice onwards and the same will be paid at the end of the contract along with Demobilization charges.

3.0 OPERATING DAY RATE PER 24 HOURS/DAY (ODR):

3.1 Except when specially otherwise provided for in the Contract, the Operating Day Rate will become payable from the time the well is spudded (after complete rigging up and drilling rat & mouse holes and setting of scabbard, mouse hole pipe and grouting of false conductor (Grouting of the false conductor including supply of the false conductor & civil-materials will be responsibility of OIL. However, Sizing/fabrication work or any other associated job is to be done by the Contractor) till the rig is released for move to the next location i.e. during the following operations:

- Drilling
- Tripping
- Coring (taking core)
- Circulating
- Reaming, conditioning hole, hole opening
- Fishing
- Making up & breaking down of any tubular viz. drill pipe, heavy wt. drill pipe, drill collars, tubings, etc.
- Drilling out / clean out cement, collar, shoe, bridge plug
- Tripping of production string
- Casing running & cementing

- Casing retrieving
- Mixing & conditioning of mud with Contractor's drill pipe in the hole
- Well killing / controlling
- Any other operation normally required for well completion

4.0 STANDBY DAY RATE PER 24 HOURS/DAY (SDR):

4.1 Except when otherwise provided for in the Contract, the Standby Day Rate will be payable under the following conditions:

- Waiting on cement
- Assembling and dis-assembling of BOP and well head hook-up including testing.
- Electric logging and wire line operations (both open and cased hole)
- Production testing
- Waiting on order
- Waiting on company's equipment, materials and services.
- For all time during which the company at its option may suspend operations.
- Waiting for day light for certain production testing operation.

1.2 **Standby Day Rate shall be 90% (Ninety percent) of the Operating Day Rate (ODR) for the rig package.**

5.0 RIG REPAIR DAY RATE PER 24 HOURS/DAY (RRDR):

5.1 The Rig Repair Day Rate shall be payable when operations are suspended due to break-down or repair of Contractor's equipment.

5.2 The Contractor shall be paid Rig Repair Day Rate to a maximum of 30(thirty) cumulative hours per calendar month. In case the total hours of break-down or repairing of Contractor's equipment exceeds 30 (thirty) hours in any particular calendar month during the currency of the contract, the Rig Repair Day Rate will be applicable for the initial 30 hours only and no payment whatsoever will be made by Company for the remaining period lost on this account until normal operations are resumed from the point where normal operation was suspended. Neither the same can be carried forward and/or adjusted against any other calendar month.

5.3 This above clause No. 5.2 shall, however, not be applicable for routine maintenance including inspections/lubrications and replacements, e.g. changing swivel wash pipe packing, slipping &/or cutting casing line, changing pump liners, valve assemblies, packing, etc. Contractor will be permitted to carry out these jobs up to a maximum of 30 cumulative hours per calendar month depending upon requirements, during which normal Operating Day Rate will be payable. In case, the total time taken for carrying out these jobs exceeds 30 (thirty) hours in any particular calendar month, Rig Repair Day Rate shall be payable for the time taken in excess of 30 hours.

5.4 The balance allowance for repair hours or routine maintenance cannot be carried forward to next month and/or adjusted against any previous months.

5.5 **Payment towards Rig Repair Day Rate shall be 50% (Fifty percent) of the Operating Day Rate (ODR) for the rig package**.

6.0 **INTER LOCATION MOVEMENT (ILM) RATE:**

6.1 Depending on the distance between the locations, separate rates will be applicable for the rig package as mentioned below:

a. Fixed Charge (Lumpsum) for Cluster location (Movement of mast and substructure etc. only on the same plinth). The spacing between wells at surface in cluster well plinth is around 18 m. **(ILM 0)**

b. Fixed Charge (Lump-sum) per rig move up to 30 Kms. **(ILM 1)**

c. Per Kilometre charges for rig movement in excess of 30 Km. **(ILM 2)**

(In case the distance for ILM between two locations exceeds 30 Km, then lump sum fixed charges as per "b" above for the initial 30 Kms will be payable and ILM charges for the remaining distance in excess of 30 Km will be calculated/paid at the rate per Km as per "c" above).

6.2 Inter-location movement will start from the moment the Company releases the drilling unit for rig down at present location and shall end after the rig up at next location is completed and the well is spudded in. Rig & all materials including the additional items, if any, are to be transferred to next location after rig down. Before spudding-in, the Contractor shall complete all jobs, including, but not limited to, rig up of service lines, block, hook etc., drilling and setting scabbards of mouse & rat hole, grouting of false conductor as defined under clause 3.1 above, compliance/ rectification to meet safety norms and any other job normally done prior to spudding in. The inter-location movement of Rig package should be completed within the period as specified in **Clause 21.0 of Section – III (Ref. PART-3) under** Special Conditions of Contract.

6.3 The Inter location movement operation will include the clearing of the drilling location off all materials, rig parts and made free from all pollutants for restoration of the drill-site.

6.4 All Other Day Rates as mentioned under para 3.0, 4.0, 5.0, 7.0, 9.0 & 11.0 hereof will not be payable when inter-location move rate is applicable.

7.0 FORCE MAJEURE DAY RATE (PER 24 HRS./DAY): (FMDR)

7.1 The Force Majeure Day Rate shall be payable during the first 15 (fifteen) days period of occurrence of force majeure situation pursuant to clause **31.0 of "Section-I"** (Ref. PART-3). No payment shall accrue to the Contractor beyond the first 15 (fifteen) days period unless mutually agreed upon.

7.2 **Payment towards Force Majeure Day Rate shall be 50% (Fifty percent) of Operating Day Rate (ODR) for the rig package**.

8.0 STACK DAY RATE (PER 24 HRS./DAY):(STDR)

The Stack Day Rate shall be payable when the Drilling Unit and other Contractor's Equipment is stacked in accordance with **Clause 24.0 of Section- III (Suspension at Company's Request**) and as further set out below:

i) If Company notifies the Contractor that the Drilling Unit is to be stacked at its current location, the Standby Day Rate shall apply for the first 5 (five) days from the time of such notification and Stack Day Rate shall apply thereafter. Stack Day Rate shall apply until such time when the Company issues notification to commence the operations. The Contractor shall make the Drilling Unit ready to recommence Drilling Operations within 05 (five) days after the notification from Company to commence the operations. Stack Day Rate shall apply maximum up to 05 (five) days after the issuance of Notification from the Company to commence the operations. After 05 (five) days, no rates will be applicable till the time the Drilling Unit is made ready to recommence operations.

ii) If Company notifies the Contractor to stack the Drilling Unit at a different location; the Stack Day Rate shall apply from the time that the complete Drilling Unit arrives at the stacking site. Inter Location Move rate shall apply during the period that the Drilling Unit is being moved to/ from the stacking site.

iii) Should "Stack Day" condition as stated above occurs the Company shall review the condition/situation during initial 90 days of stack day rate and shall decide further course of action.

iv) **Payment towards Stack Day Rate shall be 50% (Fifty percent) of Operating Day Rate for the rig package.**

9.0 NIL DAY RATE:(NDR)

9.1 Nil Day rate (NDR) will be applicable in case the operation is to be suspended and rig remains idle for want of Contractor's personnel, items or on account of non-compliance by the Contractor to any of their obligation under this contract.

9.2 NIL Day rate (NDR) shall be applicable in case of Force Majeure conditions continue beyond successive 15 days as mentioned in Force Majeure Clause 31.0 in GCC.

9.3 Nil day rate (NDR) will also be applicable during the entire period of change over from top drive system to Kelly drive system or vice-versa (i.e. from stoppage of operations till the operation is resumed) in case the top drive system becomes inoperative & is replaced with Kelly drive system for continuation of operations and vice-versa.

10.0 PAYMENT FOR WELL COMPLETION REPORT

On completion operations at each well, End of well reports as per OIL's approved format, together with lessons learnt to be submitted to OIL for future reference with three coloured printed copies along with electronic version duly **signed by authorised signatories** within 15 days of rig release from one location for ILM. Beyond that stipulated time if bidder does not submit the document, **a penalty of 0.5 % of day rate per week will be levied if not submitted within the stipulated time.**

11.0 WASTE MANAGEMENT DAY RATE: (WMS-DR)

Effluent Treatment Plant (ETP) is a statutory requirement and essential for management of effluents in a drilling site. Following situations and related rates shall be payable when ETP is operated satisfactorily meeting all the standards.

The recycle service package and vertical cuttings dryer package are expected to run during all the operations in the drilling site starting from spud-in to rig release. A 100% (hundred percent) of all applicable day rates under para 3.0, 4.0 & 5.0 as mentioned above will be payable only when ETP or/and runs in parallel throughout the day.

1. **Zero-rate** will be applicable if OIL decides not to continue operation due to non-function of the ETP or/and VCD. However, if OIL decides to continue operation without ETP or/and VCD and/or operation of the ETP or/and VCD not meeting the scope fully (as per clause no. 7.3.8 under Scope of work), all the applicable day rates during the first five (5) days will be reduced to 90% of respective day rates. Beyond five (5) days the rates will be further reduced to 80% of respective day rates till ETP is fully functional. Calculations shall be done on pro-rata up to the nearest hour basis.

   Reasons/ Exceptions for ETP or/and VCD shut down:

   a. Shut down due to technical faults up to 30 hours in a calendar month. The balance allowance of 30 hours in a month cannot be carried forward to next month and /or adjusted against any previous months.

   b. For all time during which the Company at its option may suspend operations.

2. The Day Rate of waste management services shall be 4% of Operational Day Rate (2% of ODR for **vertical cuttings dryer package** & 2 % of ODR for **recycle service package**) and payable only when the waste management service is run independently due to Environment related urgencies and when other rig operations are suspended, and NIL day rate is in force. WMS -DR shall be payable on pro-rata basis up to the nearest hour of running time. Both the package of the waste management services i.e., VCD package and ETP package may be used separately also.

12.0 RUNNING OF MUD TANK AGITATORS WHEN OTHER RIG OPERATIONS ARE SUSPENDED:

The Day Rate (MT AGT-DR) is applicable when the mud tank agitators are run independently in order to agitate the mud when other rig operations are suspended and NIL day rate is in force. The MT AGT-DR shall be 1 % of ODR.

GENERAL NOTES:

i) The Company shall advise the Contractor to mobilize all the equipment & tools with all accessories at the first designated drilling location on dedicated basis for the entire duration of the Contract**.**

ii) Bidder should submit the list of items with CIF value to be imported into India in connection with execution of this contract as per **Proforma- A.**

iii) From the **Proforma-A**, bidder should identify the items of re-exportable in nature (i.e. items which will not be consumed during the execution of the contract and required to be exported outside India after completion of the contract). Total CIF value of such items should be shown in the "PRICE FORMAT" as CIF (RE-EX).

iv) Similarly, from the **Proforma-A**, bidder should identify the items of consumable in nature (i.e. items which will be consumed during the execution of the contract). Total CIF value of such items should be shown in the "PRICE FORMAT" as CIF (CONSUMABLES).

END OF PART-3, SECTION-IV: SOR

&&&&&

PART-3

SECTION-V

SAFETY MEASURES

HEALTH, SAFETY AND ENVIRONMENT SPECIFICATION

1.0 INTRODUCTION:

This section establishes the scope and schedule for the **HEALTH, SAFETY AND ENVIRONMENT SPECIFICATION** to be performed by the Contractor and describes the specifications, instructions, standards and other documents including the HSE requirements for any materials, tools or equipment as Acts, Regulations, Rules and Statutory Orders their under, Guidelines, Standards, Recommendation Practices and OIL's HSE/QHSSE/ ESG policy, practices and guidelines which the Contractor shall satisfy or adhere to in the performance of the work.

2.0 HEALTH, SAFETY AND ENVIRONMENT SPECIFICATION

2.1 The Contractor shall take all measures necessary to protect the personnel, work and facilities and shall observe HSE requirements as per the Applicable standards/Recommended practice/guidelines (e.g. EN, OISD, API etc), Mines Act, 1952, , Environment (Protection) Act, 1986, Water Act 1974, Air (Prevention and Control of Pollution) Act of 1981, Public Liability Insurance Act, 1991 and Rules (e.g. Mines Rule, 1955, MVTR'1966, Noise Pollution (Regulation & Control) Rules,2000 etc), Regulations (e.g. Oil Mines Regulation, 2017 etc), Circulars, Statutory orders, and Notification their under.

2.2 No smoking or open flame shall be permitted on the operation site and nearby, except in areas marked by and approved in writing by the Company.

2.3 The Contractor shall report, as soon as possible, any evidence, which may indicate or is likely to lead to an abnormal or dangerous situation and then immediately take the first emergency control steps conforming to good operation practice and safety regulations.

3.0 HEALTH, SAFETY & ENVIRONMENT (HSE) POINTS

The Contractor shall adhere to following points while performing the works under this contract.

A. GENERAL/ COMMON:

3.1. The Contractor shall be solely responsible to comply all the statutory norms as applicable while executing the job. It will be solely the Contractor's responsibility to fulfil all the legal formalities with respect to the Health, Safety and Environmental aspects of the entire job (namely: the person employed by him, the equipment, the environment, etc.) under the jurisdiction of the district of that state where it is operating. Ensure that all sub-contractors hired by him comply with the same requirement as the Contractor himself and shall be liable for ensuring compliance of all HSE laws by the sub-contractors. It will be the responsibility of the Contractor/his supervisor/representative to ensure strict adherence to all HSE measures and statutory Rules during operation in OIL's installations and safety of workers engaged by him. The crew members will not refuse to follow any instruction given by representative of OIL.

3.2. Contractor's arrangements for health and safety management shall be consistent with those for the company (OIL).

3.3. A Contractor employee must, while at work, take reasonable care for the health and safety of people who are at the employee's place of work and who may be affected by the employee's Actor omissions at work.

3.4. The Contractor shall ensure complete safety of the personnel engaged by him, and of all the equipment, they will handle and must take full responsibility for their safety.

3.5. Every person deployed by the Contractor must use appropriate PPEs (Personal Protective Equipment) to be provided by the Contractor. The Contractor shall provide Personnel Protective Equipment as per the hazard identified and risk assessed for the job and conforming to statutory requirement and company's PPE schedule. Safety appliances like protective footwear, Safety Helmet and Full Body harness, Fall Prevention Devises (FPD) shall conform to relevant IS codes. Necessary supportive document shall have to be available at site as proof. If the Contractor fails to provide the safety items as mentioned above to the working personnel, the Contractor may request to the Company (OIL) for providing the same. In case of exigency OIL will provide the safety items if available. However, in turn, OIL will recover the actual cost of the items by deducting from Contractor's Bill. However, it will be the Contractor's sole responsibility to ensure that the persons engaged by him in the mines use the proper PPE while at work. Contractor employees should be trained in the proper use and maintenance of PPE. In absence of appropriate PPEs, the representative of OIL has the right to stop the work which will be binding for the Contractor. Moreover, the accountability towards any delay in work/ penalty due non-adherence to PPE shall be binding to the Contractor.

3.6. The Contractor should frame a mutually agreed bridging document between OIL & the Contractor for all issues not envisaged under the terms and conditions of the contract with the roles and responsibilities clearly defined.

3.7. The Contractor has to keep a register of the persons employed by him/her. The Contractor's supervisor shall take and maintain attendance of his men every day for the work, punctually.

3.8. Soft copy of the Standard Operating Procedures (SOPs) related to scope of work shall be handed over to the representative of OIL by Contractor including an assessment of risk, wherever possible and safe methods to deal with it/them. Printout of copy (spiral binding) of the SOP mentioned above is to be kept with all working teams at all times. The SOP clearly stating the risk arising to men, machineries & material from the mining operation / other operations to be done by the Contractor and how it is to be managed. However, in case of any doubts, the Contractor shall reconfirm the same from the Engineer In Charge (OIL).

3.9. Contractor has to ensure that all work is carried out in accordance with the Statute and the SOP for the job. For the purpose, he may deploy adequate qualified and competent personnel for carrying out the job in a safe manner. The work, which is not covered under SOP, the Contractor shall develop it and submit to the representatives of OIL.

3.10. In case of deviation of SOP or non-availability of SOP, Job Safety Analysis (JSA) shall be carried out before commencement of the work.

3.11. Necessary cold and hot work permits including excavation clearance and permission for working at height, Confined Space Entry as applicable are to

be obtained by the competent person of the Contractor from the site representative of OIL before start of the job(s). Work Permit System should be inline as per guidelines issued by HSE Department.

3.12. The Contractor's personnel should be aware about the existing as well as probable hazards and ensure their training to tackle such untoward events by the Contractor. If the Company (OIL) arranges any safety awareness program / training for the working personnel at site (company employee, Contractor worker, etc.) the Contractor will not have any objection to any such training.

3.13. After receipt of the work order, the Contractor shall have to submit authorized list of Contract Personnel, who will be engaged for the jobs including name of the Contractor's competent persons and every contact details. No person shall be engaged in any job in a mine unless his competency has been assessed and approved by the OIL Engineer In Charge.

3.14. The Contractor shall not engage minor labourer below eighteen (18) years of age under any circumstances.

3.15. The Contractor should prevent the frequent change of his deployed employees as far as practicable. The Contractor shall not employ or terminate his worker without the knowledge of the OIL engineer in charge. However, if OIL Engineer in Charge found any person not appropriate with respect to the job, the Contractor has to remove the person and replace a suitable person within the timeline as per the terms of the Contract.

3.16. OIL will communicate all information to the Contractor or his authorized representative only.

3.17. The Contractor shall have to report all incidents including near miss to the representative of OIL who shall be supervising the Contractor's work.

3.18. Any compensation arising out of the job carried out by the Contractor whether related to pollution, Safety or Health will be paid by the Contractor only.

3.19. Any compensation arising due to accident of the Contractor's personnel while carrying out the job, will be payable by the Contractor and their medical treatment/ facilities in case of accidents should be provided by the same Contractor. The Contractor's personnel should be aware about the existing as well as probable hazards and ensure their training to tackle such untoward events by the Contractor.

3.20. Contractor shall keep a reasonable degree of order by disposing of accumulated rubbish and excess material. Disposal of solid wastes generated by the Contractor shall be in accordance with the company's Procedure for Solid Waste Management. The Contractor Personnel have to take every possible care to keep the environment clean and free from pollution.

3.21. The Contractor has to ensure the quality and reliability of all the tools, equipment and instruments they use. The supporting documents relevant to prove the above should be submitted. Defective tools shall be immediately removed.

3.22. Contractor's Supervisor/ Contractor's personnel need to be aware about the site specific emergency response plan (which includes display of emergency contact nos., establish telephone communication, layout of working area, use of fire extinguisher, emergency exit, assembly point).

3.23. All Lifting equipment of the Contractor like Crane etc. shall have to be duly calibrated. Calibration Certificate of this equipment shall have to be submitted to the representatives of OIL and a copy of the same to be made available at site.

3.24. Necessary signboard / warning signals like caution, "hot work" in progress, emergency telephone numbers, no entry without permission etc. should be used while working on tanks. The said signals / signboards shall have to be arranged by the Contractor and shall be in line with the circular of signboards issued by HSE Department, Oil India Limited.

3.25. Barricading of area to be done with reflecting tapes as applicable during work.

3.26. The First-Aid box should be provided by the Contractor and the same has to be kept ready to use at the site throughout the working hours.

3.27. The availability of First-Aid Fire Fighting equipment should be ensured by the Contractor at all working hours.

3.28. Smoking is prohibited in all Company restricted areas except in authorized smoking areas/ shelters. Carrying of matches and lighters into the Hazardous Area is prohibited. Cellular phones shall not be used in operating areas / hazardous areas unless they have been classified as 'intrinsically safe' for use in that atmosphere. Consumption of alcohol and possession of non- prescribed drug in Company work site is strictly prohibited.

3.29. The Contractor personnel should understand the implication of the known hazards related to the work undertaken by them and the necessity of having an emergency plan approved by OIL to counter them, if anything goes wrong.

3.30. In case Contractor is found non-compliant of HSE laws as required and all the above mentioned general HSE points, company will have the right for directing the Contractor to take action to comply with the requirements, and for further non-compliance, the Contractor will be penalized as per the terms of the Contract.

3.31. When there is a significant risk to health, environment or safety of a person or place arising because of a non-compliance of HSE Measures Company will have the right to direct the Contractor to cease work until the non-compliance is corrected.

3.32. Considering the ongoing Covid-19 pandemic, those who are engaged in the above operations should follow the Covid-19 Protocol as per the prevailing Government Guidelines.

3.33. Any requirement arise by the Statutory Authorities during the period of contract shall be applicable and binding for the Contractor.

B. ADDITIONAL POINTS IN CASE OF AREAS/ INSTALLATIONS UNDER MINES

3.34. As per DGMS circular & Gazette Notification for maintenance of register as required by the Mines Act1952 and Mines Rules, 1955, the forms A, B, D and E have been updated and modified. The above-mentioned forms need to be maintained as per the new format.

3.35. The Contractor shall submit to DGMS returns indicating — Name of his firm, Registration number, Name and address of person heading the firm, Nature of work, type of deployment work persons, Number of work persons deployed, how many work hold VT Certificate, how many work persons undergone IME and type of medical coverage given to the work persons.

3.36. The return shall be submitted quarterly (by 10th of April. July, October & January) for contracts of more than one year. However, for contracts of less than one year, returns shall be submitted monthly.

3.37. The Contractor shall report all near misses, minor and reportable accident to the Engineer In Charge and maintain the record of near misses as per OIL's practice, and accidents in the Form – J for Reportable accident and Form – K for Minor Accidents as per The Mines Rules 1955 in consultation with the Engineer In Charge.

3.38. The Contractor engaged for any electrical installation, maintenance, repairs etc., should possess a valid electrical Contractor license issued by the State Electricity Licensing Board and engage adequate number of competent electrical personnel. All the Competent persons shall have appropriate Work Permit/ Supervisory License issued by State Electricity Licensing Board. It shall be included in Terms and Conditions of contract agreement/NIT (Notice Inviting Tender) and shall be ensured by the OIL Engineer in charge.

3.39. Statutory forms to be maintained in respect to Mines Act, 1952, Mines Rules 1955, Oil Mines Regulations 2017, the Environment (Protection) Act-1986 and other applicable laws.

3.40. The Contractor, wherever applicable, shall obtain necessary hazardous waste authorization from the State Pollution Control Board for storage, handling, and disposal of hazardous waste.

3.41. The health check-up of Contractor's personnel is to be done by the Contractor in OIL empaneled Hospital and the reports and statutory forms as applicable to be vetted from the OIL authorized Medical Officer. The frequency of periodic medical examinations should be every five years for the employees up to 45 years of age and every three years for employees of 45 years of age and above. Initial Medical Examination should be in line with the standard followed by OIL.

3.42. All persons deployed by the Contractor for working in a mine must undergo Mines Vocational Training, initial medical examination and Periodic Medical Examination (if required). They should be issued cards stating the name of the Contractor and the work and its validity period, indicating status of MVT, IME & PME.

3.43. Necessary facilities for monitoring the levels of parameters in respect of Methane, Oxygen, Hydrogen Sulphide and Carbon Monoxide should be provided at mines. Portable multi-gas detector (LEL/O2/CO/H2S) and FLP tool, torch light etc. to be made available at site.

3.44. The Contactor personnel shall arrange daily meeting and monthly pit level meeting headed by the OIL Engineer and maintain records accordingly. Safety Briefing, Evacuation plan in case of emergency and how to inform (in case of emergency) to be discussed during the Toolbox meeting.

4.0 HSE MANAGEMENT SYSTEM

(i) The Bidder should have a valid HSE Management System (HSEMS) certified as per ISO: 9001, ISO: 14001 & OSHAS: 18001 /ISO: 45001/ISRS on the date of the original bid opening date and should submit an undertaking that the certificate(s) shall be kept valid during execution of contract period. **The documentary proof in the form of valid certificates should be provided along with the technical bid.**

(ii) In case certified HSE management system is not available (i) but have their own HSE management system approved by its highest authority

not lesser than a director/vice president, can submit their documentary evidence along with technical bid. However, bidder to be certified his rig as per (i) **withing six month from the date of issue of mobilisation notice**. **Penalty shall be levied 1% of the quoted day rate per week upto maximum 10%, if failed to comply the clause.**

(iii) In case certified HSE management system is not available as per (i) and (ii) above, then the bidder must give an undertaking that he shall have the same in place during the period of mobilization certified HSE management system as per (i) & (ii) above is in place before the commencement of operations.

5.0 ONSHORE WELL CONSTRUCTION INTERFACE DOCUMENT (BRIDGING DOCUMENT, REFER TO CLAUSE 3.6 ABOVE):

To fulfil the requirement as per clause no 3.6 above, WCID document is a Bridging document between the company and drilling contractor's SEMS (Safety and Environment Management System in line with API RP 97L, Onshore Well Construction Interface Document). OIL will provide information of its Safety and Environment Management System for incorporation in the document. The document shall update in every well and shall contain information about the location and environment, geological and geophysical data, well design, well barriers, well plan, and well activity risks. Risk prevention and mitigation plans should be aligned with drilling safe working practices.

6.0 CERTIFICATION FOR BOP TROLLEY BEAMS & BOP HANDLING SYSTEM

Valid load Testing Certificate by a certified agency like NABL accredited or International Laboratory Accreditation Co-operation (ILAC) or Asia Pacific Accreditation Co-operation (APAC) to be produce at the time of mobilization.

7.0 PESO certificate shall be obtained for each location(s) as applicable.

8.0 The DG sets and Stack height attached to DG sets shall be guided by clause no 4.2. and 4.4 below.

9.0 ANTI-SKID SAFETY PAD:

Anti-skid mat/pad to be provided on Rotary Table and its surroundings to cover tong swing areas with following specifications/ requirements.

(a) 1 ¼" for Rotary Tables and/or1 ¼" &1" for Extra Areas

(b) Non-skid Coating & Stainless-Steel Studs

(c) Hazard Identification like tong swing area and hazard tringles

(d) Anti-fungal & UV Protective Properties

(e) Chemical & Corrosion Resistance

(f) Familiar Groove/Stud Pattern

(g) Fire Retardant

(h) Grooves are moulded into its surface for drainage of fluids which accumulate during drilling operations.

10.0 FIRE FIGHTING AND SAFETY EQUIPMENT/SERVICES: (As per API wherever applicable)

i) Contractor shall provide all necessary firefighting and safety equipment as per laid down practice as specified under OISD - STD - 189 and OMR,2017.

ii) Fire protection at drilling sites shall be the responsibility of the Contractor. Necessary action shall be taken and prior arrangements to be made for providing competent persons trained in the field of firefighting (certificate/diploma holders) at the rig site.

iii) One brand new ambulance with dedicated driver shall be kept standby at well site for 24 hrs. to meet any emergency with all basic facilities like stretchers, oxygen cylinders, first aid facilities, etc. Small passenger vehicles will not be allowed to be used as Ambulances.

iv) The list of firefighting items to be provided as per OISD-STD-189 are as follows:

SL. NO.	ITEMS	QTY.
1	**FIRE WATER TANK:** (i) A skid mounted water tank(s) of minimum 53 KL effective capacity shall be provided at the entry point of drilling rig. At exploratory well drilling, provision of additional tank or pit of equivalent capacity shall be made. (ii) Water storage and pumping facility shall be sufficient to initiate fire fighting for minimum 30 minutes with a water cum foam monitor at 1750 lpm. (iii) If tank's effective capacity is less than 53 KL shortfall shall be made up by water from water pit/tank (for mud preparation). In this case it will be ensured that pumping arrangement to transfer water to the fire water tank and required quantity of water (to be transferred to fire water tank) is always available.	01 No.
2	**SKID MOUNTED OR TRAILER FIRE PUMP**: (i) A diesel engine driven trailer or skid mounted fire water pump of suitable capacity shall be placed at the approach area of a drilling site. The fire pump shall be capable of developing minimum 7 Kg/cm2 pressure and permanently hooked up with the water tank and fire water line. (ii) The Trailer or skid mounted Fire Pump should consist of a centrifugal pump of capacity 2250 LPM at 8.8 Kg/cm2 driven by diesel engine, with 100 mm (4") round threaded male suction and 2 x 63 mm (2½") instantaneous female delivery outlet.	Minimum 01 No.
3	**FIRE WATER LINE:** (i) A single fire water line of minimum 4" size shall be located at a minimum distance of 15 m from the wellhead area to cater the water requirement of Fire Hydrant & water cum foam monitors in case of any fire.	

	(ii) The fire water line shall be designed and properly supported to withstand pressure/reaction force at 7 Kg/cm2 (iii) The fire water line shall have two independent connections with NRV to hook up fire water pump and fire water tender.	
4	**FOAM CUM WATER MONITOR**: At least 02 Nos. fixed foam cum water monitors having capacity of 1750 LPM at 7 kg/cm2 each shall be provided for well head area and diesel storage tank for PCR unit.	Minimum 02 Nos.
5	**FIRE HYDRANTS**: Single headed hydrants having discharge capacity of 900 LPM at 7 kg/cm2.	Minimum 02 Nos.
6	**DELIVERY HOSE**: (i) At least 02 Nos. of Type-3 Synthetic Delivery Hose as per latest IS:636 are required to be kept in Hose box installed near each Hydrant point. (ii) 02 Nos. additional fire hose are required to be kept as accessories.	06 Nos.
7	**MULTI-PURPOSE NOZZLE**: (i) At least 01 No. Multi-purpose nozzle having Discharge capacity of minimum 900 LPM is required to be kept in Hose box installed near each Hydrant point. (ii) 02 Nos. Multi-purpose nozzle to be kept under accessories.	04 Nos.
8	**HOSE BOX**: Portable Hose box having sufficient capacity to keep two fire hoses and 01 nozzle.	Minimum 02 Nos.
9	**AQUEOUS FILM FORMING FOAM (AFFF)** 3% v/v foam compound as per latest UL-162 or IS 4989	Minimum 200 Liters
10	**FOAM TROLLEY**: Mild or Stainless Steel storage tank having capacity of minimum 200 liters to keep foam compound. The same shall be mounted on a wheeled trolley based arrangement for smooth mobility between foam cum water monitors & fire hydrants as required in the fire emergency.	01 No.
11	**ACCESSORIES OF FOAM SYSTEM**: Inline Foam Inductor (minimum 450 LPM) Foam branch pipe (10X or 450 LPM flowrate)	02 Nos. each
12	Manual Fire Siren	01 No.
13	Electrical Fire Siren	01 No.

v) Portable Fire Extinguishers: Besides above fire protection facilities, Portable Fire extinguishers shall be provided in sufficient quantity as per following:

Sr. No.	Type of Area	Quantity & Type of Portable Fire Extinguishers
1	Derrick/Rig Floor	2 Nos. 10 Kg DCP extinguishers
2	Engine Area	1 No. 10 Kg DCP extinguisher per engine.
3	Mud Preparation Pump Area	1 No. 6.8 Kg CO2 extinguisher/ 1 No. 10 Kg DCP extinguisher
4	Mud Gunning Pump Area	1 No. 6.8 Kg CO2 extinguisher/ 1 No. 10 Kg DCP extinguisher
5	Electrical Control Room	2 Nos. 6.8 Kg CO2 extinguishers
6	Diesel Generator House	2 Nos. 10 Kg DCP and 1 No. 6.8 Kg CO2 extinguishers and 1/2 sand drum with SCOOP
7	Mud Mixing Tank Area and Chemical Laboratory	1 No. 10 Kg DCP extinguisher each.
8	Diesel Storage Area	2 No. 25 Kg trolley mounted and 2 Nos. 10 Kg DCP extinguishers and 1/2 sand drum with scoop.
9	Lube Storage Area	1 No. 10 Kg DCP extinguisher and 1/2 sand drum with scoop.
10	Air Compressor Area	1 No. 10 Kg DCP extinguisher per compressor
11	Fire Pump Area	1 No. 10 Kg DCP extinguisher for every two pumps or min 2 Nos. 10 Kg DCP extinguisher for each Pump House whichever is higher
12	DIC Office, bunk house area	1 No. fire extinguisher shed with 3 No. 10 kg DCP and 3 NO. 6.8 Kg CO2 extinguisher and 1/2 sand drum with scoop.
13	On each IC Engine	Automatic Fire Detection & Fire Suppression Systems (or Modular Fire Extinguisher with Quartzoid bulb having operating temperature of 68 Deg. Celsius or above) shall be provided on each IC engine to suppress any incidents of spark or fire as soon as the same is detected. Quantity of such modular fire extinguishers

11.0 DEVIATION OF HSE SPECIFICATION

Deviation of HSE specification shall not allowed until and unless it is essential to deviate or not relevant to the services provided under the contract with due approval of HSE department through HSE section of Drilling Services of the Company.

12.0 EFFLUENT PIT BUNDS:

i) Regular checks are to be made to ensure that there are no leakage/seepage/ overflow of effluents from the pit into the surrounding areas.

ii) The bunds/walls of the effluent pit are to be checked for any breaches during the operation and the same are to be informed to the Company for repairing. However, contractor shall put his best effort for a primary response for such breach, if manageable, prior to repair.

13.0 COLLECTION OF USED/ BURNT LUBE OIL:

The used lube oils are to be collected separately in drums. Floating burnt oil, if any, in the effluent pit has to be lifted and collected into drums immediately.

14.0 MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE (MOEF & CC) GUIDELINES:

14.1 Pre-commissioning rig inspection, safety meeting tools box meetings, job safety analysis and audits shall be carried out to identify hidden/ potential hazards including risk register and ERP (Emergency Response Plan).

14.2 The DG sets shall have suitable acoustic enclosures to contain the noise level within the CPCB specified limits. The Contractor shall regularly measure the noise levels at noise generating sources and at the periphery of the well site. Necessary mitigation measures shall be adopted to reduce noise levels at source and at the drill sites to meet the norms notified by MoEF & CC and CPCB. Height of all stacks / vents shall be provided as per CPCB guidelines. Noise meter should be available with the rig package.

14.3 To prevent well blowouts, during drilling operations, blow out Preventer (BOP) system shall be installed. Blow out preventing measures during drilling shall be focused on maintaining well bore hydrostatic pressure by proper pre well planning and drilling fluid design etc.

14.4 The emissions of RSPM, SPM, SOX, NOX, and HC & VOC from DG sets shall conform to the standard prescribed by MoEF & CC and CPCB. Regular monitoring of Ambient Air of HC and VOC shall be carried out as per CPCB guideline. Stack height attached to DG sets shall be as per CPCB guidelines and shall have suitable emission measurement/monitoring device. Engine exhaust/emission monitoring records in compliance of the CPCB norms shall be submitted once in every two months.

14.5 The overall noise level in and around the plinth areas shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA rules, 1989 that is 75 DBA (daytime) and 70 DBA (night-time).

14.6 The test and monitoring reports of the treated effluents, both for liquid and solid effluents in compliance of the CPCB norms and duly acknowledged by the SPCB, shall be submitted in every fortnight.

14.7 Water withdrawal and consumption details shall be recorded/monitored, and report shall be submitted in every month.

14.8 A separate environment management cell shall be set up to carry out environment management and monitoring functions.

15.0 LIST OF RECORDS / REGISTERS / FORMS / DISPLAY (but not limited to) TO BE MAINTAINED AT WELL SITE

(a) Pressure test of BOP and choke & kill manifold
(b) BOP function test
(c) BOP Pressure Test
(d) BOP drill
(e) Fire Drill
(f) Hot work / cold work permit
(g) Casing line inspection / ton mileage
(h) Training record (FF, FA, MVT, Well control)
(i) Form O (IME/PME of employees)
(j) NDT of mast & substructure and handling tools
(k) Records of all mechanical equipment.
(l) Records of all Electrical equipment.
(m) Records of all Instrumentation System
(n) Periodical inspection of all equipment
(o) Display of all statutory signboards
(p) Display of Blow out contingency plan
(q) Display of Fire contingency plan
(r) Display of First Aid trained personnel during the shift
(s) Display of Fire Fighting trained personnel during the shift
(t) Display of First-Aid Action for electric shock
(u) Minutes of all safety audit including pre-spud
(v) Minutes of Pit level safety meeting & Tool Box meeting
(w) Safety circulars
(x) Copy of OMR
(y) Copies of Relevant OISD standards
(z) Copy of Safe Operating Procedure (SOP)
(aa) Copy of GTO (Geo-technical order) / Well Policy
(bb) Copy of DPR (Daily progress report)
(cc) Installation manager's instruction book
(dd) BOP kill sheet
(ee) Trip sheet
(ff) Form-A (It should be as per modified format by Gazette Notification No. 126 dated 21.02.2017 on Ease of Compliance to Maintain Registers under various Labour Laws Rules, 2017")
(gg) Form-B (It should be as per modified format by Gazette Notification No. 126 dated 21.02.2017 on Ease of Compliance to Maintain Registers under various Labour Laws Rules, 2017")
(hh) Form-D (It should be as per modified format by Gazette Notification No. 126 dated 21.02.2017 on Ease of Compliance to Maintain Registers under various Labour Laws Rules, 2017")
(ii) Form-E (It should be as per modified format by Gazette Notification No. 126 dated 21.02.2017 on Ease of Compliance to Maintain Registers under various Labour Laws Rules, 2017")
(jj) Form-K (Return of Minor accidents)
(kk) Form-J (Return of reportable accidents)
(ll) Copy of Contract with the Company
(mm) DGMS Annual Return (Printout of online return)
(nn) Any other relevant records as deemed fit.

16.0 UNDERTAKING FOR HSE COMPLIANCE

The bidder to submit the following undertaking as a contractual obligation throughout period of the contract as below:

PROFORMA-K

To,
CGM-CONTRACTS (HoD)
OIL INDIA LIMITED
DULIAJAN-786602

SUB: SAFETY MEASURES

DESCRIPTION OF SERVICE: Charter Hire of 01 (One) no. of 3000 HP Drilling Rig Package in Assam and Arunachal Pradesh.

Sir,

We hereby confirm that we have fully understood the safety measures to be adopted during execution of the above contract and that the same have been explained to us by the concerned authorities. We also give the following assurances.

a) Only experienced and competent persons shall be engaged by us for carrying out work under the said contract.

b) The names of the authorized persons who would be supervising the jobs on day-to-day basis from our end are the following:

(i) _____

(ii) _____

(iii) _____

The above personnel are fully familiar with the nature of jobs assigned and safety precautions required.

c) Due notice would be given for any change of personnel under item (b) above.

d) We hereby accept the responsibility for the safety of all the personnel engaged by us and for the safety of the Company's personnel and property involved during the course of our working under this contract. We would ensure that all the provisions under the Oil Mines Regulations, 2017 and other safety rules related to execution of our work would be strictly followed by our personnel. Any violation pointed out by the Company's Engineers would be rectified forthwith or the work suspended till such time the rectification is completed by us and all expenditure towards this would be on our account.

e) We confirm that all persons engaged by us would be provided with the necessary Safety Gears at our cost.

f) All losses caused due to inadequate safety measures or lack of supervision on our part would be fully compensated by us and the Company will not be responsible for any lapses on our part in this regard.

g) We shall abide by the HSE (Health, Safety & Environment) Specification as outlined under the **SECTION-V of Part-3 (HEALTH, SAFETY AND ENVIRONMENT SPECIFICATION)**

Yours Faithfully

(Authorized Signatory of the bidder)

M/s (Name of Contractor/ Bidder)

Date:

Place:

(Seal)

END OF PART-3, SECTION-V: SM

&&&&&

ANNEXURE: HR DEPLOYMENT

1.0 KEY PERSONNEL

(i) The key personnel are driving elements of the rig, should be of sound health and shall possess the entire requirement described under the contract.

(i) In case the contract is awarded based on the bid submitted on (Parent /Subsidiary/Sister-Subsidiary/Co-Subsidiary /Joint Venture Constituents, as applicable), to meet the commitment from the supporting company, **all key personnel including the rank of Driller and above** shall be from the pay roll of the supporting company for the full duration of the project with a confirmation.

(ii) The job specification, qualification and experience of the key personnel are to be as under but not limited:

1.1 JOB TITLE: RIG MANAGER

JOB LEVEL

Management-level (Supervisory)

JOB DESCRIPTION:

The RIG MANAGER is the location supervisor for the drilling Service provider or service provider and responsible for the supervision and implementation of the well programme and to ensure that all well operations are conducted in a safe and efficient manner, within the requirements of Company policy and statute of India. His job is largely administrative but not limited, including ensuring that the rig has sufficient materials, spare parts and skilled to continue efficient operations.

JOB RESPONSIBILITY:

(i) **MANAGEMENT:**

(a) Rig manager shall be overall in-charge for the Operation & Maintenance of the Drilling Rig as advised by Company, Drilling supervisor of Rig and shall be the co-coordinator from Service provider's side. He shall co-ordinate with Company or any other agency for any operational/administrative matter of the rig and well site.

(b) Monitor drilling expenditures on a daily basis with the goal of drilling the most cost-effective wells possible.

(c) He shall be responsible to provide all requisite data for preparation of “look-ahead plan” for 7/15/30 days, as applicable, comprising/compiling the “look-ahead plan” to Drilling supervisor of Project Management Consultancy.

(d) He shall be responsible for overall maintenance of the rig and its equipment as per preventive, schedule, breakdown maintenance and other maintenance in consultation with Company representative and Drilling supervisor of Project Management Consultancy.

(e) He shall be responsible for overall maintenance and housekeeping of the well site in consultation with Company representative and Drilling supervisor of Project Management Consultancy

(f) He shall be responsible for implementing Safety Management system of Drilling Services by bridging the Safety Management system of the rig services.

(g) He shall be responsible for to maintain the record & document management system as per code of practices of Oil India. He will also maintain the records or documents not covered under the aforesaid code of practice(s), subsequently as a part of legal and QHSSE requirement.

(h) He shall amicably sort out all the problems arising out of employment of Service provider personnel and any other local problem at well site without hampering progress related to rig service.

(i) He shall co-ordinate with concerned department for issuance and timely supply of consumables and spares as per requirement form well site. He shall also be the co-coordinator of Service provider and Company for matters related to the contract agreement and as such he shall well verge with the contract clauses.

(j) He will record all his activities every day during his duty period, operational and HSE related in format/dairy as prescribe by OIL.

(k) Monitor plans, programs and work progress.

(l) Co-ordinate activities with third party supervisory personnel on the drilling unit in conjunction with the SOCR.

(m) Ensure equipment and materials meet quality control standards and regulatory requirements.

(n) Ensure an adequate inventory of equipment and materials is maintained on the drilling unit to carry out the work.

(o) Act as the alternate Site Safety Manager.

(ii) **HSE:**

(a) He shall be responsible for submitting the legal compliance in the format subscribed by OIL.

(b) He shall be responsible for issuance of PPE to Service provider personnel and not allow any body at well site to work without proper PPE.

(c) He shall be responsible for replacement of Service provider's personnel due to leave and sickness and shall arrange suitable replacement in reasonable time.

(d) Responsible for supervising & implementation of all safety standards at wellsite.

(a) Responsible for implementation of Emergency Response Plan as per bridging documents.

(b) Responsible to implement as required all pressure tests (e.g. BOP, Casings / tubing, High Pressure lines, Wellheads, X-mass Trees) as per the drilling program as per statutory requirement.

(c) Responsible to supervise and advice OIL on implementation of all required drills (BOP, Fire etc. or any other drill as per directives of OIL) at the well-site.

(d) Responsible to ensure prompt report of all accidents, near-miss accidents and non-conformance through the proper channels

(e) Responsible to ensure Job Analysis before start-up of non-routine operation or job and ensure completion of risk assessments where required and Toolbox Talk for routine job;

(iii) **REPORTING:**

(a) He will report "Company Man" or "Company Representative" and Drilling supervisor of Project Management Consultancy.

(b) Preparation of detailed Daily Operations Report in a format approved by OIL and make time break up analysis to be submitted along with the monthly invoice.

(c) It will be his responsibility to submit DPR to company representative and drilling supervisor regularly and must ensure that complete submission of DPRs for the month from well site on the 1st day following month.

(d) He shall intervene promptly and opportunely in emergencies, at the same time notifying the superior in charge.

(iv) **OPERATION:**

(a) He will perform lead role to initiate well control measures when there is a shine of well kick and shut the well in case of found positive indication of kick at the earliest possible time.

(b) Responsible for Inter Location Movement of drilling rig along with other services.

(c) He shall participate daily operational morning meeting at well site with participation of responsible key personnel conducted by Drilling supervisor of Project Management Consultancy.

(d) He will coordinate, in case of deployment of third-party supervision by the company.

(e) He will ensure that all well operations are carried as per the drilling programme and inform OIL representative.

(f) Ensure all shallow tests on Directional Tools; MWDs & LWDs are carried prior to running in hole and after pull-out-of-hole.

(g) Ensure that correct BHAs, Drill String, Casing String, Fishing String, Tubing/completion string are run in as per well programme.

(h) Ensure that correct wellhead hook & BOP hook up, slip seal setting cum testing.

(i) Implement well survey programs as per plan.

(j) Responsible to verify drilling fluids are prepared as per the mud program and required solids control equipment are operated at each phase of the well.

(k) Responsible to ensure required minimum stock of mud chemicals and cement is always maintained at the rig-site.

(l) Responsible to ensure flow checks, Formation Integrity Test/ Pressure Integrity Test, LOTs, Casing Integrity Test etc. are conducted as per the drilling program.

(m) Supervise all casing, liner and tubing running operations and ensure they are executed as per the drilling program through tool pusher and night tool pusher.

(n) Supervise all well completion running and flow testing operation.

(o) To plan and supervise well killing and shutting operation including preparation of kill sheet etc.

(v) **RESPONSIBLILTIES RELATED TO MATERIALS / CONSUMABLES**

(a) Responsible to ensure arrival of all necessary tools, equipment, consumables and materials well before the requirement of the materials/services so as to avoid waiting for materials/services.

(b) To keep records of inventory at well site and make necessary arrangement to ascertain availability of all essential items in time at site.

(c) To keep record of material movement & consumption and give daily report to Company's office on inventory status.

(d) To maintain list of all left over materials & consumables at the end of completion of wells.

(e) To ensure servicing of all equipment (Well Head, X-mass tree, Packers, Handling tools etc.) & consumables (Casing, Casing shoes & Float collar etc.) to be carried out.

(vi) **JOB SPECIFICATION**:

QUALIFICATION:

(a) Graduate in Engineering /Tech/ Science or three years Diploma in Engineering.

EXPERIENCE:

(a) BE/B Tech with 15 years' experience in deep drilling oil / gas wells including 5 years as Rig Manager (Rig Superintendent).

Or

B. Sc /Diploma in Engineering with 20 years' experience including 10 years as Rig manager (Rig Superintendent).

(b) Should be conversant with working in **diesel electrical rigs/supplied rig**.

(c) Drilling of minimum of **05 (Five) nos. oil/gas** wells with drilling rig of minimum **3000 HP** capacity or more.

(d) Should have completed at least one well with depth more than **5500-meter depth or a**t least **01 (One) well** should be of minimum **4500 meters** (Measuring Well Depth) depth with a minimum displacement **of 2000 meters.**

(e) Should be conversant with **mud** chemicals & maintenance of mud property.

(f) Should be conversant of giving instruction during **downhole well problem**.

(g) Should have basic knowledge of **repair and maintenance** of Drilling Rig equipment like Draw works/Pumps etc.

(h) Should be able to **negotiate and resolve local problems** arising out of contract on behalf of Service provider.

(vii) **CERTIFICATION / LICENSE / HEALTH:**

a) Must possess valid well control certificate (IWCF-Supervisor Level / Level-4) and should be conversant with well control methods to take **independent decisions** in case of well emergencies. He will not be allowed to work without valid IWCF certificate and considered as absent which shall be dealt as per **Clause No: 31.0 of SCC.**

b) Job specific Physical capability requirement: Should be of **sound health** to work in adverse weather condition in drilling well must be supported by form 'O' verified by as depicted in HSE specification (6.1.6.13).

c) Training on **HSE Management System** or any **other basic HSE related course** from reputed institute required to carry out work at site and in accordance with company policy and as required by country law and regulations.

1.2 JOB TITLE: TOOL PUSHER

JOB LEVEL

Management-level (Supervisory)

JOB DESCRIPTION:

The Tool pusher provides support to the Company Representative-Drilling Supervisor--Rig Manager in operational management and HSE officer to fully meet statutory/regulatory requirement and Company HSE objectives. He must possess leadership quality to motivate the team for excellent performance and output and responsible for 24 hours operation of the rig. He is the operational supervisor for the drilling Service provider. The tool pusher is usually a senior, experienced individual who has worked his way up through the ranks of the drilling crew positions. His job is largely operational to supervise and coordinate the operation as per SoW of the contract, drilling policy and plan. However, in case of an emergency situation, he may have to take the responsibility of the Rig Manager until such person available in the site.

JOB RESPONSIBILITY:

(a) OPERATION

(i) He shall be the **co-coordinators** of Service provider at well site, for acquiring consumables and spares as required for the rig, well in time, to avoid down time.

(ii) He shall be the competent person from drilling to handle independently any **downhole and well control problem.**

(iii) He shall be responsible for **maintenance and repair** all the equipment related to the rig.

(iv) All breakdown, well killing, downhole problems, critical operations and routine maintenance work shall be carried out **under his direct supervision** at the well site. Critical operations shall be identified by Company representative.

(v) He shall **endorse DPRs** to ensure proper time break up and correct entry of all the jobs carried out during the tour and shall hand over to Company representative in the preceding day.

(vi) He shall receive instruction from Drilling Supervisor/Company representative daily/shift basis and **execute operation** as per instruction and well policy or GTO.

(vii) He shall prepare **plan for ILM and schedule of transfer in writing** for placement for speedy and effective ILM.

(viii) He shall receive handover for the previous shift and verify the status of operations and equipment before beginning his shift in writing in format prescribed the company.

(ix) He shall be responsible to supports the development of employees and acts as a mentor.

(b) REPORTING

(i) He shall report Rig Manager about the job carried out during duty hours. However, during emergency like encountering the sign (positive or early warning sign) of kick/inflow, incident/accident, downhole problem, mob violence etc he shall inform Installation Manager, Company Representative and Drilling Supervisor.

(ii) He shall intervene promptly and opportunely in emergencies, at the same time notifying the superior in charge.

(c) HSE

(iii) He shall have the overall responsibility to ensure the safety of man and equipment through his subordinate(s) and by effective implementation of Safety Management System.

(iv) Responsible to ensure use of proper **personal protective equipment** by all employee while at work and He shall not allow any body at well site to work without **proper PPE**.

(v) Responsible to ensure **Job Analysis** before start-up of non-routine operation or job and ensure completion of risk assessments where required and **Toolbox Talk** for routine job;

(vi) Responsible for compliance of all safety rule(s)/regulation(s)/circular(s).

(vii) Responsible to ensure for adhering the **SOP and other safety standards** at wellsite.

(viii) Responsible for implementation of **Emergency Response Plan** as per bridging documents.

(ix) Responsible to implement as required all **function and pressure tests** (e.g. BOP, casings / tubing, High Pressure lines, Wellheads, X-mass Trees) as per the drilling program and statutory requirement.

(x) Responsible to ensure all required **drills** (Accumulator, BOP, Fire etc. or any other drill as per directives of OIL) at the well-site.

(xi) Responsible to ensure **prompt report** of all accidents, near-miss accidents and non-conformance through the proper channels.

(d) JOB SPECIFICATION:

QUALIFICATION:

Graduate in Engineering /B. Tech/ Science or three years Diploma in Engineering.

EXPERIENCE

(a) BE/B Tech with 10 years' experience including five years as Tool-Pusher

OR

(b) B. Sc /Diploma in Engineering with 15 years' experience including 10 years as a Tool-Pusher.

(c) Should be conversant of drilling operations/activities with Diesel Electric rig and capable of giving instruction during downhole well problem.

(d) Drilling of minimum of **03 (Three) nos. oil/gas** wells with drilling rig of minimum **3000 HP** capacity or more.

(e) Should have completed at least–one well with depth more than **5000-meter depth**. Or At least **01 (One) well** should be of minimum **4500 meters** (Measuring Well Depth) depth with a minimum displacement **of 2000 meters.**

(f) Should have basic knowledge of repair and maintenance of Drilling Rig equipment like Draw works/Pumps etc.

(g) Should be conversant with mud chemicals/maintenance of mud properties.

(h) Shall have valid IWCF (Supervisory level) certificate.

(i) Should be conversant with working in diesel electrical rigs/supplied rig.

(j) Should be conversant with mud chemicals & maintenance of mud property.

16.1.1.1.1 CERTIFICATION | LICENSE | HEALTH

(i) He [shall have valid IWCF (Supervisory Level) certificate] must be able to detect/control well kick at right time and confident to kill the well independently.

(ii) Must possess valid well control certificate (IWCF-Supervisor Level / Level-4) and should be conversant with well control methods to take independent decisions in case of well emergencies. He will not be allowed to work without valid IWCF certificate and considered as absent which shall be dealt as per **Clause No: 31.0 of SCC.**

(iii) Job specific Physical capability requirement: Should be of sound health to work in adverse weather condition in drilling well must be supported by form 'O' verified by as depicted in HSE specification.

(iv) Safety courses required to carry out work at site and in accordance with company policy and as required by country law and regulations.

16.1.2 JOB TITLE: NIGHT TOOL PUSHER

JOB LEVEL

Executive-level (Supervisory)

JOB DESCRIPTION

The Night Tool pusher provides support to the Drilling Supervisor-Company Representative-Rig Manager in operational management and HSE officer to fully meet statutory/regulatory requirement & company HSE objectives in the night shift.

JOB RESPONSIBILITY

(a) OPERATION

(i) He shall receive handover for the previous shift and verify the status of operations and equipment before beginning his shift in writing in format prescribed the company.

(ii) Night Tool pusher must possess leadership quality to motivate the team for excellent performance and output and responsible for 12 hours operation of the rig in the night and/or till the handing over the responsibly to a person of not less than equal to his rank, qualification, experience and certification.

(iii) He shall be the competent person from drilling to handle independently any down hole and well control problem.

(iv) He shall be responsible for timely maintenance and repair all the equipment related to the rig.

(v) All break down, well killing, down hole problems, critical operation and routine maintenance work shall be carried out under his direct supervision at the well site.

(vi) He shall endorse DPRs to ensure proper time break up and correct entry of all the jobs carried out during the tour and shall hand over to Company representative in the preceding day.

(vii) He shall receive instruction from Rig Manager & Tool pusher and execute operation as per instruction and/or well policy or/and GTO.

(viii) He shall assist Tool pusher in ILM and plan schedule of transfer and placement for speedy and effective ILM.

(b) REPORTING

(i) He shall report Rig Manager/Tool pusher about the job carried out during duty hours. However, during emergency like encountering the sign (positive or early warning sign) of kick/inflow, incident/accident, downhole problem, mob violence etc he shall inform Installation Manager, company representative and Drilling Supervisor in absence of tool pusher.

(ii) He shall intervene promptly and opportunely in emergencies, at the same time notifying the superior in charge.

(c) HSE

(i) He shall have the overall responsibility to ensure the safety of man and equipment through his subordinate(s) and by effective implementation of Safety Management System in his shift.

(ii) Responsible to ensure use of proper **personal protective equipment** by all employee while at work and He shall not allow any body at well site to work without **proper PPE**.

(iii) Responsible for compliance of all safety rule(s)/regulation(s)/circular(s).

(iv) Responsible to ensure **Job Analysis** before start-up of non-routine operation or job and ensure completion of risk assessments where required and **Toolbox Talk** for routine job;

(v) Responsible to ensure for adhering the **SOP and other safety standards** at wellsite.

(vi) Responsible for implementation of **Emergency Response Plan** as per bridging documents.

(vii) Responsible to implement as required all **function and pressure tests** (e.g. BOP, casings / tubing, High Pressure lines, Wellheads, X-mass Trees) as per the drilling program and statutory requirement.

(viii) Responsible to ensure all required **drills** (Accumulator, BOP, Fire etc. or any other drill as per directives of OIL) at the well-site.

(ix) Responsible to ensure **prompt report** of all accidents, near-miss accidents and non-conformance through the proper channels

1. **JOB SPECIFICATION**

QUALIFICATION:

Graduate in Engineering /B Tech Science or three years Diploma in Engineering.

EXPERIENCE

(a) BE/B Tech with 10 years' experience including five year as Night Tool-Pusher

OR

B. Sc /Diploma in Engineering with 15 years' experience including 10 years as a Night Tool-Pusher.

(b) Should be conversant of drilling operations/activities with Diesel Electric rig and capable of giving instruction during downhole well problem.

(c) Drilling of minimum of **03 (Three) nos. oil/gas** wells with drilling rig of minimum **3000 HP** capacity or more.

(d) Should have completed at least–one well with depth more than **5000-meter depth** or at least **01 (One) well** should be of minimum **4500 meters** (Measuring Well Depth) depth with a minimum displacement **of 2000 meters.**

(e) Should have basic knowledge of repair and maintenance of Drilling Rig equipment like Draw works/Pumps etc.

(f) Should be conversant with mud chemicals/maintenance of mud properties.

(g) Shall have valid IWCF (Supervisory level) certificate.

(h) Should have work experience in deep drilling oil / gas wells, for minimum 10 years, of which at least one year as tool pusher in exploratory & development wells.

(i) Should be conversant with working in diesel electrical rigs/supplied rig.

16.1.2.1.1 CERTIFICATION | LICENSE | HEALTH

(i) Must possess valid well control certificate (IWCF-Supervisor Level / Level-4) and should be conversant with well control methods to take independent decisions in case of well emergencies. He will not be allowed to work without valid IWCF certificate and considered as absent which shall be dealt as per **Clause No: 31.0 of SCC.**

(ii) Should be of sound health to work in adverse weather condition in drilling well.

(iii) Job specific Physical capability requirement: Should be of sound health to work in adverse weather condition in drilling well must be supported by form 'O' verified by as depicted in HSE specification.

(iv) Safety courses required to carry out work at site and in accordance with company policy and as required by country law and regulations.

16.1.3 JOB TITLE: DRILLER:

JOB LEVEL: Executive-level (Supervisory)

JOB DESCRIPTION

The **driller** is in charge or supervisor of the drilling crew or rig crew. His job is to supervise the derrick floor operations, repairing drilling equipment, downhole operations and monitor the rig's activity. The Driller will operate and monitor the essential systems of the drilling rig including: the hoisting, well control, mud and power systems found on all drilling rigs. The Driller works under the direct supervision of the Toolpusher or Night Toolpusher. The driller operates the pumps, draw works, and rotary table via the drillers console-a control room of gauges, control levers, rheostats, and other pneumatic, hydraulic and electronic instrumentation.

JOB RESPONSIBILITY

(a) OPERATIONS

(i) He shall keep abreast himself with each and every operation happening around derrick floor and within the well site for issuing cold and hot work permit.

(ii) He shall receive handover for the previous shift and verify the status of operations and equipment before beginning his shift in writing in format prescribed the company.

(iii) He shall receive instructions for drilling parameters (weight on bit, rotary table rpm, pressures and pump outputs) as well as other work procedures (type and expected life of bit, mud characteristics, bore control etc.), and ensure their correct application. Whenever deemed necessary, within the specified limits, change the drilling parameters to improve the drilling progress.

(iv) He shall be responsible for interpreting the signals the well gives regarding gas and fluids with high pressure.

(v) He shall be responsible to check and set up the equipment necessary for the assigned shift, i.e., drill pipes and other tubular material, x-over, etc.

(vi) He shall be responsible to operate the draw work during drilling activities and complex manoeuvres.

(vii) He shall be responsible Rig up/rig down of mast shall be carried out by him in presence of Tool pusher.

(viii) He shall be responsible ensure that all reporting routines are followed, and that all equipment related paper works are carried out within his area of responsibility.

(ix) He shall be responsible fill up a daily drilling report for the activities performed during his shift describing the work carried out and the equipment utilized; DPR shall be written indicating time break up for each operation and regularly be sent to company through Tool pusher.

(x) He shall be responsible update the pipe tally boo k and dimensioned drawings of the equipment run in the well/tools lowered in hole without fail.

(xi) He shall be responsible ensure that all orders and instructions received verbally or in writing are fully understood.

(xii) He shall be always responsible for safe working conditions on the drill floor.

(xiii) He shall be responsible ensure that his subordinates use compulsory protective equipment.

(xiv) He shall be responsible instruct all personnel assigned to him for assistance of their duties and responsibilities and of any special safety precaution to be taken prior to start-up of any work.

(xv) He shall be responsible for operation of the shift. Shall operate brake and handle Draw works/pumps etc. during drilling/ round trips/lowering casings in and during any critical well operation where better control is required.

(xvi) He shall communicate regularly the happening at well site to Tool pusher and Company representative as instructed.

(xvii) He shall ensure periodic function test of BOP and detect early indication of well kick and take appropriate actions immediately to contain impending blow out.

(xviii) He shall carry out BOP drill/Tool box meeting regularly and Job safety analysis before start of any critical operation and proper record be maintained.

(xix) He shall identify all the size of tubular and API connections.

(xx) He must be able to detect/control well kick at right time and confident to kill the well independently.

(xxi) All down hole and surface problem in drilling operation shall be promptly detected and remedial measure be taken immediately as per best drilling practices.

(xxii) The preventive maintenance of drilling equipment and other accessories of the rig shall be carried out as per check list provided by Company representative.

(xxiii) During ILM he shall carry out dismantling of all the equipment with other crew member as per procedure and it is necessary to place equipment of rig at specific place precisely during rig up, the rig lay out drawing shall be understood properly, and placement be done without double handling.

(xxiv) He shall be responsible for preserving clean/tidy environment of well site with better housekeeping.

(b) REPORTING

(i) He shall report Tool pusher/NTP about the job carried out during duty hours. However, during emergency like encountering the sign (positive or early warning sign) of kick/inflow, incident/accident, downhole problem, mob violence etc he shall inform Installation Manager, Company Representative and Drilling Supervisor and Rig Manager in absence of tool pusher.

(ii) He shall intervene promptly and opportunely in emergencies, at the same time notifying the superior in charge;

(c) HSE

(i) He shall have the **overall responsibility** to ensure the safety of man and equipment in operation directly under him through his subordinate(s) and by effective implementation of Safety Management System.

(ii) Responsible to ensure use of proper **personal protective equipment** by all employee while at work and He shall not allow any body at well site to work without **proper PPE**.

(iii) Responsible to ensure that **good housekeeping** is maintained on the drill floor.

(iv) Responsible to ensure **Job Analysis** before start-up of non-routine operation or job and ensure completion of risk assessments where required and **Toolbox Talk** for routine job;

(v) Responsible for compliance of all safety rule(s)/regulation(s)/circular(s).

(vi) Responsible to ensure for adhering the **SOP and other safety standards** at wellsite.

(vii) Responsible for implementation of **Emergency Response Plan** as per bridging documents.

(viii) Responsible to implement as required all **function and pressure tests** (e.g. BOP, casings / tubing, High Pressure lines, Wellheads, X-mass Trees) as per the drilling program and statutory requirement.

(ix) Responsible to ensure all required **drills** (Accumulator, BOP, Fire etc. or any other drill as per directives of OIL) at the well-site.

(x) Responsible to ensure **prompt report** of all accidents, near-miss accidents and non-conformance through the proper channels.

1. **JOB SPECIFICATION:**

QUALIFICATION:

Graduate in Engineering /Tech/ Science or three years Diploma in Engineering.

EXPERIENCE

(i) BE/B Tech with 5 years' experience including 2 years as driller in drilling rig.

OR

B. Sc /Diploma in Engineering with 7 years' experience including 3 years as driller in drilling rig.

(ii) Should be conversant of drilling with Diesel Electric /VFD rig and handle brake.

(iii) Drilling of minimum of **03 (Three) nos. oil/gas** wells with drilling rig of minimum **3000 HP** capacity or more.

(iv) Should have completed at least-one well with depth more than **5000-meter depth** or at least **01 (One) well** should be of minimum **4500 meters** (Measuring Well Depth) depth with a minimum displacement **of 2000 meters.**

(v) Should have knowledge of repair and maintenance of Draw works/Pumps and trouble shooting.

(vi) Should be conversant with mud chemicals/maintenance of mud properties.

(vii) Should be conversant with mud chemicals & maintenance of mud property.

(viii) The individual has Safety, Communication & supervisory skills.

(ix) Shall have working experience with top drive.

16.1.3.1.1 CERTIFICATION / LICENSE / HEALTH

(i) Must possess valid well control certificate (IWCF-Driller Level / Level-3) and should be conversant with well control methods to detect well kick, shut the well and assist Tool Pusher / Tour Pusher in case of well emergencies. He will not be allowed to work without valid IWCF certificate and considered as absent which shall be dealt as per **Clause No: 31.0 of SCC.**

(ii) Should be of sound health to work in adverse weather condition in drilling well.

(iii) **Job specific Physical capability requirement**: Should be of sound health to work in adverse weather condition in drilling well must be supported by form 'O' verified by as depicted in HSE specification.

(iv) Safety courses required to carry out work at site and in accordance with company policy and as required by country law and regulations.

16.1.4 JOB TITLE: ASSISTANT DRILLER:

JOB LEVEL: Mid-level (non-Supervisory)

JOB DESCRIPTION

The **Assistant Driller** is primarily responsible for working with the **Driller** to assist the operation and monitor the essential systems of the **drilling** rig including: the hoisting, well control, mud and power systems found on **drilling** rigs. The **Assistant Driller** works under the direct supervision of the Driller and/or Toolpusher and Nigh Toolpusher.

JOB RESPONSIBILITY

(a) **Operations**

(i) Assistant Driller shall operate brake and handle Draw works/pumps etc. for any operation of the rig as instructed by Driller.

(ii) If the Driller is not in derrick floor and any abnormality in down hole or surface is noticed while operating brake, he must bring the

same to notice of Driller immediately or may take remedial measure as deem fit without causing damage to hole and equipment.

(iii) He shall ensure rig pumps are lined up correctly before start of drilling and all solid control equipment are in working condition including repair/ maintenance of same.

(iv) He shall check physically pump strokes and pressure regularly and record shall be maintained to detect wash out/plug nozzle etc.

(v) He may work in double board occasionally if necessary to relief assigned Top Man.

(vi) He shall identify all the size of tubular and API connections.

(vii) He shall perform rig up, down, and operating activities.

(viii) Operates and repairs drilling equipment in a safe and efficient manner in accordance with established policies and procedures.

(ix) Assists Driller and Rig Manager to oversee and ensure assigned crews are properly trained in accordance with company requirements. This includes conducting training for all primary and secondary drilling operations.

(x) Understands and demonstrates the safe handling, proper application, and proper disposal of drilling fluids.

(xi) Establishes a relationship with crew and acts as a liaison between the crew and the Rig Manager.

(xii) Ensures all well control equipment is properly maintained, repairs are completed in a timely manner, and all personnel are properly trained to operate the equipment.

(xiii) Establishes and maintains a positive safety cultural climate in all work practices, enabling personnel to slow down or stop tasks that are deemed to have excessive risk.

(xiv) Learns the appropriate documentation (i.e. reports, logs, etc.) in accordance with company policy.

(b) **Reporting**

(i) He shall report driller or Tool pusher/NTP about the job carried out during duty hours. However, during emergency like encountering the sign (positive or early warning sign) of kick/inflow, incident/accident, downhole problem, mob violence etc he shall inform Installation Manager, Company Representative and Drilling Supervisor in absence of tool pusher.

(ii) Intervene promptly and opportunely in emergencies as per his competency, at the same time notifying the superior in charge.

(c) **HSE**

(i) He shall have the **responsibility** to ensure the safety of man and equipment in operation directly under him through his subordinate(s) and by effective implementation of Safety Management System.

(ii) Responsible to ensure use of proper **personal protective equipment** by all employee while at work and He shall not allow any body at well site to work without **proper PPE**.

(iii) Responsible to ensure that **good housekeeping** is maintained on the drill floor

(iv) Responsible to ensure **Job Analysis** before start-up of non-routine operation or job and ensure completion of risk assessments where required and **Toolbox Talk** for routine job;

(v) Responsible for compliance of all safety rule(s)/regulation(s)/circular(s).

(vi) Responsible to ensure for adhering the **SOP and other safety standards** at wellsite.

(vii) Responsible for implementation of **Emergency Response Plan** as per bridging documents.

(viii) Responsible to implement as required all **function and pressure tests** (e.g. BOP, casings / tubing, High Pressure lines, Wellheads, X-mass Trees) as per the drilling program and statutory requirement.

(ix) Responsible to ensure all required **drills** (Accumulator, BOP, Fire etc. or any other drill as per directives of OIL) at the well-site.

(x) Responsible to ensure **prompt report** of all accidents, near-miss accidents and non-conformance through the proper channels;

(xi) He shall be conversant with Risk Register.

1. **JOB SPECIFICATION**

(a) QUALIFICATION:

Graduate in Engineering/B Tech/ Science or three years Diploma in Engineering/HS/HSLC.

(b) EXPERIENCE

(i) Graduate in Engineering/B Tech with one year experience as probation/trainee

(ii) B. Sc /Diploma in Engineering with 5 years' experience in drilling rig including one year as Asst. Driller.

OR

HSLC/SSC /HS or equivalent qualification with 10 years' experience in drilling rig including 5 years as Assistant Driller.

(iii) Should have work experience in deep drilling oil / gas wells.

(iv) Should be conversant with working in diesel electrical rigs/supplied rig.

(v) Should be conversant with mud chemicals & maintenance of mud property.

(vi) Should have completed at least one gas well of minimum 4000m depth.

(vii) Should be capable to handle brake swiftly and accurately of Diesel Electric rig in all operation of the well.

(viii) Should be conversant with Draw works and Pump operation and maintenance.

(c) CERTIFICATION / LICENSE / HEALTH

(i) Must possess valid well control certificate (IWCF-Driller Level / Level-3) and should be conversant with well control methods to detect well kick, shut the well and assist Tool Pusher / Tour Pusher in case of well emergencies. He will not be allowed to work without valid IWCF certificate and considered as absent which shall be dealt as per **Clause No: 31.0 of SCC.**

(ii) Job specific Physical capability requirement: Should be of sound health to work in adverse weather condition in drilling well must be supported by form 'O' verified by as depicted in HSE specification.

(iii) Safety courses required to carry out work at site and in accordance with company policy and as required by country law and regulations.

(iv) Should possess valid MVT certificate and knowledge of firefighting at well site.

16.1.5 JOB TITLE: TOPMAN

JOB LEVEL: Mid-level (non-Supervisory)

JOB DESCRIPTION

The **TOPMAN** (Derrick man / Derrick hand) is one of the rig crew members who get his name from the fact that he works on a platform attached to the derrick or mast, typically 85 ft [26 m] above the rig floor, during trips. The **TOPMAN** (Derrick man / Derrick hand) is primarily responsible for handling tubulars in the derrick i.e., to lift and sink casing and drill pipe, as well as drill collars and maintaining the mud (drilling fluid) system. In addition, the **TOPMAN** supervises the crews at times.

JOB RESPONSIBILITY

(a) **Operations**

(i) He shall work mainly in Thribbles/double board of the rig for latching/unlatching elevator and racking of tubular during round trips and any other works need to be carried out at any height of the mast.

(ii) He shall alert Driller for any imperfection noticed on mast for which he shall physically check the mast and crown every day.

(iii) Greasing of crown and function test of top man escape device shall be his responsibility.

(iv) Racking of tubular properly on the rack with the help of crane including cleaning/measuring/flushing with water and rejecting damaged joints shall be his responsibility.

(v) Rigging up of BOP/wellhead and tightening of same shall be done by him with the help of other crew.

(vi) He shall be responsible to work at any height of the mast due to repair /inspection or regular work.

(vii) He shall be assisting with operations to lift and sink casing and drill pipe, as well as drill collars.

(viii) They are also responsible for the solid control system including shale shakers and mud pumps (making sure they run well and fixing them as needed).

(b) **Reporting**

(i) He shall report driller or Tool pusher/NTP about the job carried out during duty hours. However, during emergency like encountering the sign (positive or early warning sign) of kick/inflow, incident/accident, downhole problem, mob violence etc he shall inform Installation Manager, Company Representative and Drilling Supervisor in absence of tool pusher.

(ii) Intervene promptly and opportunely in emergencies, at the same time notifying the superior in charge.

(c) **HSE**

(i) Consumption of alcoholic beverage at workplace or working in inebriate condition and unruly behaviour with co-worker shall be strictly avoided.

(ii) Use of proper personal protective equipment while at work shall be mandatory for him.

(iii) He shall be conversant with different type of hazards while working on Mast, Thribbles/ double board and derrick floor.

(iv) He shall be responsible for inspection for EEDs and FPDs and record.

1. **JOB SPECIFICATION**

(a) QUALIFICATION:

Minimum 10th/8th standard (Class-X / VIII) passed from school recognised under State or Central Board.

(b) EXPERIENCE

(i) 10th passed and above with 5 years' experience in drilling rig including two years as Top Man.

OR

8th standard and above passed with 10 years' experience of working in drilling rig including 5 years as Top Man

(ii) Should be capable of working at double/tribble board in Diesel Electric rig.

(iii) Should be able to read pump pressure and count pump strokes.

(iv) Conversant with all mud flow lines and solid control equipment.

(v) Should be conversant with mast structure, solid control system and different types of tubulars.

(vi) Should be conversant with BOP rig up/down and their testing.

(c) CERTIFICATION / LICENSE / HEALTH

(i) Job specific Physical capability requirement: Should be of sound health to work in adverse weather condition in drilling well must be supported by form 'O' verified by as depicted in HSE specification.

(ii) Safety courses required to carry out work at site and in accordance with company policy and as required by country law and regulations.

(iii) Should possess valid MVT certificate and knowledge of firefighting at well site.

16.1.6 JOB TITLE: FLOOR-MAN (RIG MAN OR ROUGHNECKS)

JOB LEVEL: Entry-level (Non-Supervisory)

JOB DESCRIPTION

A **Floormen**(floor hand) also known as Roughnecks/ Rig Man are members of the drilling crew who works under the direction of the driller to make or break connections as drill pipe is tripped in or out of the hole. On most drilling rigs, roughnecks are also responsible for maintaining and repairing much of the equipment found on the drill floor & derrick, installing and maintaining rigs & its equipment, maintaining the drilling operations area clean and safe, manipulating pipes etc. The roughneck typically ranks above a roustabout and beneath a Top man (derrick man), and reports to the driller.

JOB RESPONSIBILITY

(a) Operations

(i) He is responsible to help Driller/ Assistant driller during round trip and drilling by handling rig tongs to make or break connections as drill pipe, other tubulars (e.g. casing, production string, liner etc.) and slip.

(ii) Operation of winch and cathead for spinning and lifting equipment shall be his responsibility.

(iii) Cleaning up derrick floor/ Draw works and any associated equipment of the rig shall be carried by Rig Man.

(iv) He is responsible for maintaining and repairing much of the equipment found on the drill floor & derrick,

(v) He is responsible for installing and maintaining rigs & its equipment.

(vi) He is responsible for maintaining the drilling operations area clean and safe, manipulating pipes etc.

(vii) He is responsible for assembling and disassembling of mast, substructures and other equipment during rig up/rig down/ILM.

(viii) Any other jobs assigned by Rig Manager/Toolpusher which are deemed to be capable as per their competency, knowledge and experience.

(b) Reporting

(i) He shall report driller or Driller/Asstt Driller/Top man about the job carried out during duty hours. However, during emergency like encountering the sign (positive or early warning sign) of kick/inflow, incident/accident, downhole problem, mob violence etc he shall inform Installation Manager, Company Representative and Drilling Supervisor in absence of tool pusher.

(ii) Intervene promptly and opportunely in emergencies as per his competency, at the same time notifying the superior in charge.

(c) HSE

(i) Use of proper personal protective equipment while at work shall be mandatory for him

(ii) He shall be conversant with different type of hazards while working on derrick floor and other assigned jobs.

(iii) Consumption of alcoholic beverage at work place or working in inebriate condition and unruly behaviour with co-worker shall be strictly avoided

1. **JOB SPECIFICATION**

(a) QUALIFICATION:

Minimum 10th/8th standard (Class-X / VIII) passed from school recognised under State or Central Board.

(b) EXPERIENCE

(i) 10th passed and above with 5 years' experience in drilling rig including two years as Roughneck / Floor man / Rig man in a drilling rig.

OR

8th standard and above passed with 10 years' experience of working in drilling rig including 4 years as Floor man / Rig man in a drilling rig.

(ii) Should be capable of working in derrick floor in Diesel Electric rig.

(c) CERTIFICATION / LICENSE / HEALTH

(i) Should be of sound health to work in adverse weather condition in drilling well must be supported by form 'O' verified by as depicted in HSE specification.

(ii) Safety courses required to carry out work at site and in accordance with company policy and as required by country law and regulations.

(iii) Should possess valid MVT certificate and knowledge of firefighting at well site.

16.1.7 JOB TITLE: ROUSTABOUT (HELPER/ROUGHNECK)

JOB LEVEL: Entry-level (Non-Supervisory)

JOB DESCRIPTION

The roustabout is typically the entry point for workers (Non-Supervisory) in Drilling Rig and is unskilled manual labourers. Typical daily **jobs** are likely to include: Cleaning, scraping and painting the rig, equipment and **work** areas, cleaning threads, off-loading materials from vehicles and moving them to storage areas etc. They will work under competent persons as designated by Rig Manager/Tool pusher.

JOB RESPONSIBILITY

(a) Operations

(i) **Clean up Drill Sites and Rigs, i.e.** a Roustabout shall clean drill sites, rigs & its equipment, threads of tubulars, maintain housekeeping and handling used/unused spills.

(ii) **Assisting in transport and store materials, i.e.** Roustabouts also transport materials from storing place to the place of working or vice versa, assisting in loading & unloading of materials from vehicles.

(iii) **Assisting in installation of Tools/Equipment, i.e.** Roustabouts also assisting in rigging up/down/placement of engines, pumps, equipment, tanks, flowlines, chemicals etc.

(iv) **Repair Pump Equipment**

From day to day, roustabouts often need to conduct repairs on pumps and related equipment to ensure a steady flow of oil or gas and prevent leaks and other hazards. This requires excellent attention to detail to identify issues, and often roustabouts need to work in cramped underground or elevated areas to conduct emergency repairs with hand and power tools while maintaining safety and preventing fires or equipment failure.

(v) **Maintain Drilling and Extraction Tools**

Roustabouts also maintain and repair other tools and equipment used for extraction, most notably drilling equipment and tools. In addition to repairing drills and rigs, the roustabout may need to conduct repairs and maintenance to counteract the effects of weather or environmental issues, such as dust or corrosion, to ensure that equipment does not fail and create a dangerous situation on the rig.

(vi) Unskilled helper shall assist key personnel (Mud Attendant, Mechanic Pump/ICE, and Electrician) as per assignment fixed by Tool Pusher/Driller on day-to-day requirement basis. Generally, four numbers of helper shall be engaged per shift as aid for Mud Engineer and rest four numbers in general shift as aid to Mechanics and plinth maintenance etc.

(b) Reporting

(i) **Roustabout** shall not work independently, but under a person assigned by the Rig Manager/Tool pusher.

(ii) They will report primarily to Tool pusher and the supervisory person under which he is working as assigned by Rig Manager/Tool pusher.

(c) HSE

(i) Use of proper personal protective equipment while at work shall be mandatory for him.

(ii) Consumption of alcoholic beverage at work place or working in inebriate condition and unruly behaviour with co-worker shall be strictly avoided

1. **JOB SPECIFICATION**

(a) QUALIFICATION:

Minimum 10th/8th standard (Class-X / VIII) passed from school recognised under State or Central Board

(b) EXPERIENCE

The roustabout who is equivalent to roughneck or helper, is typically the entry point for workers in Drilling Rig; hence job specific experience is not required.

(c) CERTIFICATION / LICENSE / HEALTH

(i) Should possess valid MVT certificate and knowledge of firefighting Job specific Physical capability requirement: Should be of sound health to work in adverse weather condition in drilling well must be supported by form 'O' verified by as depicted in HSE specification.

(ii) Safety courses required to carry out work at site and in accordance with company policy and as required by country law and regulations.

16.1.8 JOB TITLE: MECHANICAL ENGINEER (CHIEF MECHANIC)

JOB LEVEL: Executive-level (Supervisory)

JOB DESCRIPTION

Mechanical Engineer performs routine maintenance controls of the mechanical equipment and devices of the rig other than electrical or electronics devices and responsible for managing the mechanical team under him. Provides for preventive, routine and non-routine maintenance and for repairs the internal combustion engines, pumps, compressors and drilling related equipment of rig as deemed fit.

JOB RESPONSIBILITY

(a) Operations

(i) He shall check, start the engines, rig pumps, well killing pumps, well servicing pumps, generating sets, water pumps, bowser pumps, engines etc. and keep everything in a good operative condition.

(ii) He shall be responsible for lying of lines and hooking up operation for supply of water to the various distribution points will have to be done under his direct control.

(iii) He shall be responsible for monitor/supervise and ensure compliance of preventive and schedule maintenance of all the drilling equipment and engines as per check list provided by Company.

(iv) He shall be responsible for troubleshooting & mitigate problem/breakdown arising out of different engines, pumps and other drilling equipment used in the rig except electrical component.

(v) He shall be responsible for providing for preventive, routine and non-routine maintenance and for the breakdown maintenance/repair of internal combustion engines, pumps, compressors and drilling related equipment of the rig;

(vi) He shall be responsible for all reporting routines are followed and that all equipment related paperwork are carried out within his area of responsibility, such as maintenance records, updating of service and instruction manuals, instructing procedures, etc.

(vii) He shall be responsible for keeping the stock of spare parts, consumables at the appropriate level by verifying the stock levels and reporting to his superiors about the deficiencies taking in consideration of future maintenance requirements and delivery time.

(viii) He shall be responsible for monitoring the reliability of spare parts utilized.

(ix) He shall be responsible for supervising the disassembly, loading, unloading and assembly of drilling equipment under his responsibility during inter location movement/ rig transfer activities.

(x) He shall be familiar with authorities' rules and regulations applicable to his area of responsibility.

(xi) He shall ensure that all orders and instructions received verbally or in writing are fully understood and adhered to;

(xii) He shall ensure familiarity with all applicable work and safety procedures (SOPs/Manuals) and promote implementation of same.

(xiii) He shall ensure that before any maintenance activity is started, a proper investigation is carried out, precautions have been taken and the "work permit" has been signed.

(xiv) He shall instruct all personnel assigned to him for assistance of their duties and responsibilities and of any special safety precautions to be taken prior to start-up of any work.

(xv) He shall be responsible for reporting promptly all accidents, near-miss accidents, Non-Conformances and safety hazards to his/her immediate superior.

(xvi) He shall be responsible for participating in safety meetings and safety drills held at site.

(xvii) He shall carry out his/her duties according to the Emergency Preparedness Action Plan when needed.

(xviii) He shall ensure good housekeeping in his working areas.

(xix) He shall be responsible to writes analytical reports on electrical.

(xx) He shall be responsible to supports the development of employees and acts as a mentor.

(xxi) He shall be responsible to sets annual objectives for subordinate employees and reviews them periodically.

(b) Reporting

(i) He shall report Tool pusher/NTP about the job carried out during duty hours.

(ii) However, during emergency like encountering the sign (positive or early warning sign) of kick/inflow, incident/accident, downhole problem, mob violence etc he shall inform Installation Manager, Company Representative and Drilling Supervisor in absence of tool pusher.

(iii) Intervene promptly and opportunely in emergencies as per his competency, at the same time notifying the superior in charge.

(c) HSE

(i) He shall have the **overall responsibility** to ensure the safety of man and equipment in operation directly under him through his subordinate(s) and by effective implementation of Safety Management System.

(ii) Responsible to ensure use of proper **personal protective equipment** by all employee while at work and He shall not allow any body at well site to work without **proper PPE**.

(iii) Responsible to ensure that **good housekeeping** is maintained.

(iv) Responsible to ensure **Job Analysis** before start-up of non-routine operation or job and ensure completion of risk assessments where required and **Toolbox Talk** for routine job;

(v) Responsible for compliance of all safety rule(s)/regulation(s)/circular(s).

(vi) Responsible to ensure for adhering the **SOP and other safety standards** at wellsite.

(vii) Responsible for implementation of **Emergency Response Plan** as per bridging documents.

(viii) Responsible to implement as required all **function and pressure tests** (e.g., equipment in operation directly under him) as per the drilling program and statutory requirement.

(ix) Responsible to ensure all required **drills** (Accumulator, BOP, Fire etc. or any other drill as per directives of OIL) at the well-site.

(x) Responsible to ensure **prompt report** of all accidents, near-miss accidents and non-conformance through the proper channels.

(xi) Use of proper personal protective equipment while at work shall be mandatory for him.

(xii) Consumption of alcoholic beverage at work place or working in inebriate condition and unruly behaviour with co-worker shall be strictly avoided

1. **JOB SPECIFICATION**

(a) QUALIFICATION:

(i) BE/B Tech in Mechanical Engineer or Diploma in Mechanical

(b) EXPERIENCE

(i) BE/B Tech in Mechanical Engineering with Five (05) years of experience including min. Three (03) years' experience as Mechanical Engineer (Chief Mechanic)

OR

03 years Diploma course in Mechanical with Ten (10) years' experience including min Five (05) years as Mechanical Engineer (Chief Mechanic).

(ii) Should have knowledge of Drilling operation.

(iii) Should have sufficient knowledge of operation and maintenance of Drilling rigs and its components viz. engines, rig pumps, supercharge pumps, centrifugal pumps, solid control equipment, degasser, shale shaker and all other mechanical items / engines operating in drilling rigs.

(c) CERTIFICATION / LICENSE / HEALTH

(i) Job specific Physical capability requirement: Should be of sound health to work in adverse weather condition in drilling well must be supported by form 'O' verified by as depicted in HSE specification.

(ii) Safety courses required to carry out work at site and in accordance with company policy and as required by country law and regulations.

(iii) Should possess valid MVT certificate and knowledge of firefighting at well site.

16.1.9 JOB TITLE: MUD ENGINEER (WELL SITE CHEMIST)

JOB LEVEL: Executive-level (Supervisory)

JOB DESCRIPTION

A mud engineer (also called a Drilling Fluids Engineer, but most often referred to as the "Mud Man") is responsible for creating 'mud', or a mixture of fluids, clay and other chemicals, that's used in the process of drilling for oil or gas and for managing the chemical team under him. He ensures the properties of the drilling fluid/drilling mud are within designed specifications by testing the mud at a rig and prescribes the mud treatments to maintain mud weight, properties and chemistry within recommended limits. The mud engineer works closely with the Rig Manager/Toolpusher/Night Tool Pusher/Driller to disseminate information about mud properties and expected treatments and any changes that might be needed. They typically have a background in engineering or drilling or chemistry and may have either specialized education or training in mud.

JOB RESPONSIBILITY

(a) Operations

(i) He shall be responsible for maintaining mud parameters as per detailed mud policy.

(ii) He shall be responsible for to test all required mud parameters as specified at least once per shift.

(iii) He shall be responsible for to monitor at hourly interval the important parameters of drilling fluid viz density, M/T viscosity, and temperature of both in going and out coming mud keep records.

(iv) He shall be responsible for to measure important parameters of Reserves mud viz density, M/F viscosity twice in the shift.

(v) He shall be responsible for to monitor and ensure chemical treatment required for proper maintenance of mud parameters.

(vi) He shall be responsible to monitor critically mud loss and / or mud gain, indication of gas cut many other unusual changes in the mud system during drilling / circulation and to corrective measures in consultation with Service provider's supervisor.

(vii) He shall be responsible to maintain all adequate stock of mud volume (circulating + reserve) as required.

(viii) He shall be responsible to monitor and record hole fill up volume and displacement volume of drilling fluid during round trips and during running in of drilling string / casing.

(ix) He shall be responsible to monitor and keep records of stock and consumption of mud/mud chemicals and indicate the requirements to their supervisor well in advance (2-3 days in advance) so that supervisor can inform the Company representative.

(x) He shall be responsible to take circulation test and to calculate hydraulics during drilling operation and to report their supervisor to forward the same to Chief Chemist /Company's representative.

(xi) He shall be responsible, in case of stuck pipe, to prepare and spot spotting fluid/OBM etc. as required. In case of loss circulation to prepare and spot LCM pill etc. as required.

(xii) He shall be responsible to prepare pre flush formulations and gauging water for well cementation as required.

(xiii) He shall be responsible to measure and record cement slurry weight and viscosity during cementation.

(xiv) He shall be responsible to carry out any other mud/cement related jobs as required.

(xv) He shall be responsible to prepare a shift report.

(xvi) All Mud Engineer's report should be submitted to Service provider's Supervisor who in turn shall keep the Company representative aware.

(xvii) He shall be responsible to writes analytical reports on electrical.

(xviii) He shall be responsible to supports the development of employees and acts as a mentor.

(xix) He shall be responsible to sets annual objectives for subordinate employees and reviews them periodically.

(b) Reporting

(i) He shall report Tool pusher/NTP about the job carried out during duty hours.

(ii) However, during emergency like encountering the sign (positive or early warning sign) of kick/inflow, incident/accident, downhole problem, mob violence etc he shall inform Installation Manager, Company Representative and Drilling Supervisor in absence of tool pusher.

(iii) Intervene promptly and opportunely in emergencies as per his competency, at the same time notifying the superior in charge.

(c) HSE

(i) He shall have the **overall responsibility** to ensure the safety of man and equipment in operation directly under him through his subordinate(s) and by effective implementation of Safety Management System.

(ii) Responsible to ensure use of proper **personal protective equipment** by all employee while at work and He shall not allow any body at well site to work without **proper**.

(iii) Responsible to ensure that **good housekeeping** is maintained.

(iv) Responsible to ensure **Job Analysis** before start-up of non-routine operation or job and ensure completion of risk assessments where required and **Toolbox Talk** for routine job.

(v) Responsible for compliance of all safety rule(s)/regulation(s)/circular(s).

(vi) Responsible to ensure for adhering the **SOP and other safety standards** at wellsite.

(vii) Responsible for implementation of **Emergency Response Plan** as per bridging documents.

(viii) Responsible to implement as required all **tests** (e.g., equipment in operation directly under him) as per the drilling program and statutory requirement.

(ix) Responsible to ensure participation in all required **drills** (Accumulator, BOP, Fire etc. or any other drill as per directives of OIL) at the well-site.

(x) Responsible to ensure **prompt report** of all accidents, near-miss accidents and non-conformance through the proper channels.

1. **JOB SPECIFICATION**

(a) QUALIFICATION: Chemical Engineer (BE/B.Tech) or M. Sc (Chemistry) or Science graduate with Chemistry.

(b) EXPERIENCE

(i) M. Sc (Chemistry) with 05 years of working experience in Drilling wells as Mud engineer/ well site Chemist

OR

Chemical Engineer (BE/B.Tech) with 10 years of working experience in Drilling wells 05 years as Mud engineer/ Well site Chemist

OR

Science graduate with Chemistry with 15 years of working experience in Drilling wells and 10 years as Mud engineer/ Wellsite Chemist.

(c) CERTIFICATION / LICENSE / HEALTH

(i) Job specific Physical capability requirement: Should be of sound health to work in adverse weather condition in drilling well must be supported by form 'O' verified by as depicted in HSE specification.

(ii) Safety courses required to carry out work at site and in accordance with company policy and as required by country law and regulations.

(iii) Should possess valid MVT certificate and knowledge of firefighting at well site.

16.1.10 JOB TITLE: ELECTRICAL ENGINEER (CHIEF ELECTRICIAN)

JOB LEVEL: Executive-level (Supervisory)

Electrical Engineer/ Chief Electrician is responsible for operation, maintenance, overhauling and repair of all electrical equipment on the rig and in the camp, and for managing the electrical team and ensuring electrical safety as per statutory guidelines. Service quality, job preparation, planning and safety management etc. are key priorities in this role.

JOB RESPONSIBILITY

(a) Operations

(i) The Electrical Engineer/ Chief Electrician shall be solely responsible for operation, maintenance (preventive and breakdown), overhauling and troubleshooting of all electrical equipment/ system including control system of the drilling rig.

(ii) He shall be solely responsible for carrying out work independently in accordance with the prevailing statutory norms & safe operating procedures.

(iii) He shall be responsible for ensuring statutory compliances (both internal and external) including testing and checking of all electrical equipment, electrical measuring devices etc. as per CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 and other statutory requirements.

(iv) He shall be responsible for up keeping of all records/ registers as per guidelines from OISD, DGMS, CEA Regulations, 2010, OMR, 2017 etc.

(v) He shall be solely responsible for ensuring the safety and wellbeing of subordinate electrical manpower and also of electrical equipment.

(vi) He shall ensure that fit for purpose PPE and tools are used by his subordinates. He shall also instil safety consciousness and behavioural safety consciousness among his subordinates.

(vii) He shall be thorough with the electrical SOP and shall be familiar with all procedures, including the Safety Management System, applicable to his duties.

(viii) He shall be responsible to ensure through uniform stock & quantity control, that adequate inventory level of electrical spares is maintained at all times in his area of responsibility.

(ix) He shall ensure that stock of electrical safety equipment is maintained.

(x) He shall be responsible for taking part in emergency and occupational onboard training such as, the use of self-contained breathing apparatus, firefighting, man overboard exercises, lifeboat launching, security drills and/or other training as applicable for his functioning.

(xi) He shall submit periodic (monthly) analytical reports on electrical incident (as applicable) inside the drilling rig.

(xii) He shall be responsible to ensure that all orders and instructions received verbally or in writing are fully understood and adhered to.

(xiii) He shall be responsible to ensure that before any maintenance activity is started, a proper investigation is carried out (Job Safety Analysis in case of non-routine job and tool box talk in case of routine job), precautions have been taken that the equipment have been properly electrically isolated from the power supply, LOTO Kit is used, warning signs are posted and the "Electrical work permit" has been issued.

(xiv) He shall be responsible to instruct all personnel subordinate to him of their duties and responsibilities and of any special safety precautions to be taken prior to start-up of any work.

(xv) He shall promptly report all accidents, near-miss accidents, Non-Conformances and safety hazards to his/her immediate superior.

(xvi) He shall be responsible be to participate in safety meetings and safety drills held at the well site.

(xvii) He shall be responsible to carry out his duties according to the Emergency Preparedness Action Plan when needed.

(xviii) He shall be responsible to ensure good housekeeping in his/her working areas.

(xix) He shall be responsible to supports the development of employees and acts as a mentor.

(b) Reporting

(i) He shall report Rig Manager/Tool pusher about the job carried out during duty hours. However, he shall keep NTP informed about the job carried out during night hours in addition to Rig Manager.

(ii) However, during emergency like encountering the sign (positive or early warning sign) of kick/inflow, incident/accident, downhole problem, mob violence etc he shall inform Installation Manager, Company Representative and Drilling Supervisor in absence of tool pusher.

(iii) Intervene promptly and opportunely in emergencies as per his competency, at the same time notifying the superior in charge.

(c) HSE

(i) He shall have the **overall responsibility** to ensure the safety of man and equipment in operation directly under him through his subordinate(s) and by effective implementation of Safety Management System.

(ii) Responsible to ensure use of proper **personal protective equipment** by all employee while at work and He shall not allow any body at well site to work without **proper PPE**.

(iii) Responsible to ensure that **good housekeeping** is maintained.

(iv) Responsible to ensure **Job Analysis** before start-up of non-routine operation or job and ensure completion of risk assessments where required and **Toolbox Talk** for routine job;

(v) Responsible for compliance of all safety rule(s)/regulation(s)/circular(s) and submitting the **legal compliance** in the format subscribed by OIL.

(vi) Responsible to ensure for adhering the **SOP and other safety standards** at wellsite.

(vii) Responsible for implementation of **Emergency Response Plan** as per bridging documents.

(viii) Responsible to implement as required all **tests** (e.g. equipment in operation directly under him) as per the drilling program and statutory requirement.

(ix) Responsible to ensure participation in all required **drills** (Accumulator, BOP, Fire etc. or any other drill as per directives of OIL) at the well-site.

(x) Responsible to ensure **prompt report** of all accidents, near-miss accidents and non-conformance through the proper channels;

1. **JOB SPECIFICATION**

QUALIFICATION:

BE/B Tech in Electrical Engineering or Diploma course in Electrical discipline

EXPERIENCE

(i) BE/B Tech in Electrical Engineering with 5 years' experience in Drilling Rig. He must possess valid Electrical Supervisor's Certificate of competency (part 1,2,3,4 & 8 (mining part)) issued/recognized by appropriate Govt. Electrical Licensing Authority.

OR

3 years Diploma course in Electrical discipline with 8 years' experience. He must possess valid Electrical Supervisor's Certificate of competency (part 1,2,3,4 & 8(mining part)) issued/recognized by appropriate Govt. Electrical Licensing Authority.

(ii) The Electrical Engineer shall have the experience of carrying out the jobs in his independent capacity in Diesel Electric drilling rig. The Electrical Engineer must be conversant with the VFD or AC/SCR control systems of drilling rigs like ROSSHILL, USA / HILLGRAHAM UK / PLC/ Rectifiers- Inverters etc. based control system.

(iii) He should be capable of independently carrying out the fault finding analysis, rectification of fault, operation and maintenance of all the electrical equipment such as Gen-sets, motors, starters, FLP equipment, lighting circuitries of Diesel Electric Rig including air-conditioners.

(iv) Should be able to read electrical circuits, communicate/detect and rectify faults.

(v) He should have the knowledge on hazardous area classification and be guided by the statutory requirements and directives of DGMS, OISD, OMR,2017, CEA (Measures Relating to Safety

and Electric Supply) Regulations,2010 , BIS standards etc. in drilling mines.

(vi) He should have knowledge/knowhow of all the electrical equipment used in VFD or AC/SCR rigs (Alternators, DC motors, Transformers, Air circuit breakers, different light-fittings, Star Delta/DOL Starters, cable glands etc.) and the use of all the electrical tools and instrument.

(vii) Should be confident in independently carrying out the fault finding analysis, rectification of fault, operation and maintenance of all the electrical items of diesel electric drilling rig including air conditioners.

CERTIFICATION / LICENSE / HEALTH:

i. Must possess valid Electrical Supervisor's Certificate of Competency with authorization for Parts – 1, 2, 3, 4 & 8 (Mining Part) issued/recognized by appropriate Govt. Electrical Licensing Authority and should be conversant with Oil Mines Regulations, 2017 and CEA (Measures relating to safety and electric supply) Regulations, 2010.
Validity of Supervisor Certificate – Must have valid supervisor certificate, allowing them to work in the state / region where they are deployed. Responsibility for ensuring adherence to these norms' rests with the contractor.
[Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010; regulation no. 3,6,29 &115 and Oil Mines Regulations, 2017; regulation no.114 (4 & 5)].

ii. Should be of sound health to work in adverse weather condition in drilling well and as per HSE specifications.

(i) **ITI certificate holders are not acceptable as Chief Electricians. Moreover, the Chief Electrician must be conversant with the offered AC-SCR or AC-VFD system of drilling rigs.**

16.1.11 JOB TITLE: HSE OFFICER

JOB LEVEL: Executive-level (Supervisory)

JOB DESCRIPTION

A rig HSE officer ensures that drilling Service provider's workers comply with all company-established safety standards and procedures. He conducts safety inspections in the rig daily basis, including inspections of the drilling operation. He endeavours to foster a culture of safety awareness among rig personnel.

JOB RESPONSIBILITY

(a) OPERATIONS

(i) Shall be responsible for monitoring the safety during drilling site preparation, rig up, rig down & rig move, raising & lowering mast, rig floor operations like making & lowering BHA, cementing job, tripping in /tripping out tubular.

(ii) Shall be responsible for routine inspections to identify risk and hazards.

(iii) Shall be responsible for preparation of job specific SOP in local language, ERP (Emergency Response Plan), Risk Register,

preparation of Job Safety Analysis, Permit to Work systems, investigation & analysis of accidents, incidents & near miss.

(iv) Shall be responsible for designating "Safe Briefing Area" and deliver safety briefing during visits of external personnel before entering the site or as convenient in local condition.

(v) Shall be responsible for designating location entrance and exit in consultation with IM.

(vi) He shall ensure the observance of the provisions of the Acts (Mines Act, 1952; Environment Act 1986, CLRA, 1971 but not limited), regulations and orders made thereunder or any amendments of existing aforesaid statutes.

(vii) He shall ensure the observance of the provisions of the CPCB/SPCP/DGMS/OISD/MoPNG guideline & notifications applicable to the nature of job performed under the contract.

(viii) Shall follow all the conditions of EC (Environmental Clearance)

(ix) The Safety Officer shall inspect, as often as may be necessary, the installations of the mine with a view to identify the dangers which may cause bodily injury or impair health of any person.

(x) He shall advise/inform the Installation manager/ Officer in charge on measures necessary to prevent dangerous situations.

(xi) He shall enquire into the circumstances and causes of all accidents whether involving persons or not and advise the manager on measures necessary to prevent recurrence of such accidents.

(xii) He shall collect, compile and analyse information in respect of accidents and dangerous occurrences with a view to promote safe practices and improvement of working environment.

(xiii) He shall organise regular safety education programmes and safety campaigns to promote safety awareness amongst persons employed in the mine.

(xiv) He shall see that all new workers and workers transferred to new jobs receive adequate safety training, instructions and guidance.

(xv) He shall maintain a detailed record of work performed by him every day.

(xvi) No duties other than those specified above shall be assigned to the safety officer without the written approval of the Regional Inspector.

(xvii) He shall see the compliance of Occupational Health measures as per the statutes.

(xviii) He shall ensure the observance of the provisions of the Act, regulations and orders made thereunder or any amendments of existing Acts concerning fire detection, fire-fighting systems and shall advise the Installation manager/ Officer in charge on measures necessary to ensure adequate protection against fire.

(xix) He shall ensure proper layout, installation and maintenance of fire-fighting equipment.

(xx) He shall see that contingency plan for likely fire situations are prepared.

(xxi) He shall organise regular training of persons employed against the job with particular reference to contingency plan for fire, correct assessment and handling of fire problem.

(xxii) He shall see that persons employed under the job undertake simulated fire drills atleast once in every month to study promptness of response and effective tactics.

(xxiii) He shall examine at least once in every quarter all devices and equipment of fire detection and fire-fighting systems in the mine and report any defects in the same to the manger.

(xxiv) He shall exercise a general supervision and co-ordination during control and extinguishment of any fire in the mine.

(xxv) He shall into the causes and circumstances of all fires in the mine.

(xxvi) Responsible for compliance of all safety rule(s)/regulation(s)/circular(s) and submitting the **legal compliance** in the format subscribed by OIL.

(xxvii) Responsible to ensure use of proper **personal protective equipment** by all employee while at work and He shall not allow any body at well site to work without **proper PPE**.

(xxviii) Responsible to ensure that **good housekeeping** is maintained.

(xxix) Responsible to ensure **Job Analysis** before start-up of non-routine operation or job and ensure completion of risk assessments where required and **Toolbox Talk** for routine job;

(xxx) Responsible to ensure for adhering the **SOP and other safety standards** at wellsite.

(xxxi) Responsible for implementation of **Emergency Response Plan** as per bridging documents.

(xxxii) Responsible to implement as required all **tests** (e.g., equipment in operation directly under him) as per the drilling program and statutory requirement.

(xxxiii) Responsible to ensure participation in all required **drills** (Accumulator, BOP, Fire etc. or any other drill as per directives of OIL) at the well-site.

(xxxiv) Responsible to ensure **prompt report** of all accidents, near-miss accidents and non-conformance through the proper channels;

(xxxv) Responsible to submit HSE report in a prescribed format supplied by OIL in interval fixed by OIL.

(b) Reporting

(i) He shall report Rig Manager about the job carried out during duty hours.

(ii) However, during emergency like encountering the sign (positive or early warning sign) of kick/inflow, incident/accident, downhole problem, mob violence etc he shall inform Installation

Manager, Company Representative and Drilling Supervisor in absence of tool pusher.

(iii) Intervene promptly and opportunely in emergencies, at the same time notifying the superior in charge.

(c) HSE

(i) Defined as above.

1. **JOB SPECIFICATION**

(a) QUALIFICATION:

MBA in HSE management or Graduate in Fire Engineering/Fire & Safety or Graduate in Science with minimum one year Certificate/PG Diploma in Fire & Safety or Three years Diploma in fire engineering/ Diploma in fire & safety engineering

(b) EXPERIENCE

(i) MBA in HSE management with three years' (03) experience as HSE officer, out of which one year (01) must be field experience in E&P sector.

Or Graduate in Engineering with three years' (03) experience as HSE officer, out of which one year (01) must be field experience in E&P sector.

Or Graduate in science with minimum one year certificate/PG diploma in Fire & Safety with five years' (05) experience as HSE officer, out of which three years (03) must be field experience in E&P sector. Th Certificate/PG diploma shall be of any Government ITI or other institutions recognised by state/central Government education board.

Or Three years Diploma in fire engineering/ Diploma in fire & safety engineering with five years' (05) experience as HSE officer, out of which three years (03) must be field experience in E&P sector.

(ii) Health, Safety & Environment experience includes implementation of HSE policies, Work Site Inspection & hazard Identification, Training of employees, Task risk Assessments, Permit To Work systems, pre job safety meeting, Accident, incident and Near Miss Investigation & analysis, Report making & Record Keeping, Selection of PPEs suitable for work activity & work environment, Work site Inspections & Audits, and Emergency Response Planning & Loss Control programs, taking precaution for pollution control and environmental management.

(iii) Should have knowledge on ISO, ISRS etc.

(iv) Should be conversant with various sequence of operation in drilling rig.

(v) Should have fair idea of Mines Act, 1952& OMR,2017 and all other Rules (Mines Rule, 1955, MVTR, 1966) Regulation (OMR1984) circulars and notification hereunder or any revision of these time to time.

(vi) Should have fair idea of use of PPE and other safety/pollution rules & measures pertaining to drilling operation.

(vii) Should have fair idea of Environment Act'1986 and all other Rules, Regulation, circulars and notification hereunder or any revision of these time to time.

(viii) Health, safety and Environment experiences including formation and implementation of HSE policies, Work site inspection & hazard identification, Permit to Work system, pre job safety meeting, Accident, Incident and Near Miss Investigation & analysis, Report making and record keeping, selection of PPEs suitable for work activity & work environment, work site inspection and audits, Emergency Response Planning & loss control programs, taking precaution for pollution control and environmental management.

(ix) On top of the experience of the personnel as listed above, they all should be conversant with BOP drill / Fire Drill as per standard oilfield practice.

(c) CERTIFICATION / LICENSE / HEALTH

Job specific Physical capability requirement: Should be of sound health to work in adverse weather condition in drilling well must be supported by form 'O' verified by as depicted in HSE specification.

16.1.12 JOB TITLE: MEDIC / DOCTOR

JOB LEVEL: Executive-level (Supervisory)

JOB DESCRIPTION

Oil Rig's Medic is responsible in taking medical care in accidents and caring of sick personnel of the Rig at site/camp. Before taking shift responsibility, part of their job is to do medical check-up on the crew and securing that the location has enough medical and equipment needed.

JOB RESPONSIBILITY

(a) Operations

(i) Conducting regular medical examinations.

(ii) Dealing with illness and injury which occurs onsite: dressing wounds, administering drugs, checking blood pressure, giving anti-tetanus injections wherever necessary.

(iii) Providing 24-hour cover for emergency treatment and first aid.

(iv) Maintaining onsite stocks of medical equipment and provisions.

(v) Contributing to occupational health and safety services onsite, chairing health and safety meetings and carrying out health promotions.

(vi) Organising medical evacuations where a worker has to return send for immediate treatment.

(vii) Completing a daily medical log and maintaining medical records.

(viii) Maintain IME/PME records.

(b) Reporting

(i) He shall report Rig Manager about the job carried out during duty hours.

(ii) However, during emergency like encountering the sign (positive or early warning sign) of kick/inflow, incident/accident, downhole problem, mob violence etc he shall inform Installation Manager, Company Representative and Drilling Supervisor in absence of tool pusher.

(iii) Intervene promptly and opportunely in emergencies, at the same time notifying the superior in charge

(c) HSE

(i) Use of proper personal protective equipment while at work shall be mandatory for him.

(ii) Consumption of alcoholic beverage at work place or working in inebriate condition and unruly behaviour with co-worker shall be strictly avoided

1. **JOB SPECIFICATION**

(a) QUALIFICATION:

Must be minimum MBBS degree holder & registered medical practitioner.

(b) EXPERIENCE

Shall have a minimum work experience of 2 years in any hospital / rig site drilling camp.

(c) CERTIFICATION / LICENSE / HEALTH

(i) Job specific Physical capability requirement: Should be of sound health to work in adverse weather condition in drilling well must be supported by form 'O' verified by as depicted in HSE specification.

(ii) Safety courses required to carry out work at site and in accordance with company policy and as required by country law and regulations.

(iii) Should provide a unique permanent registration number (UPRN) under **State Medical Councils**.

16.1.13 JOB TITLE: MECHANIC (IC)

JOB LEVEL: Mid-level (Non-Supervisory)

JOB DESCRIPTION

Rig Mechanic works under the leadership of Mechanical Engineer and his job profile includes operating various engines/equipment fall under mechanical section, identifying their defects, using special diagnosis tools as recommended by OEM, replacing defect parts, performing maintenance work (i.e., preventative, periodic, schedule, breakdown) updating repair& testing records and collaborating with other workers from drilling sites etc.

JOB RESPONSIBILITY

(a) Operations

(i) He shall be responsible for operation, preventive maintenance and repair of all engines connected to rig including air compressors, mud agitators, welding machine, fire pump etc. as per OEM &Service provider's policy.

(ii) He shall be responsible for preventive maintenance shall be carried out as per check list provide by Company and proper record shall be maintained.

(iii) He shall be responsible to carry out maintenance jobs of Draw-works, EC Brake, BOP Control Unit, Solid Control equipment, Power Tong unit, Kill Pump etc.

(iv) He shall be responsible conversant with Safe Operating Procedures and oilfield related Safety & Environmental practices.

(v) He shall be responsible to maintain record of running hours for periodic maintenance of engines and log sheets for engine performance monitoring.

(a) Reporting

(i) He shall report Mechanical Engineer about the job carried out during duty hours.

(ii) However, during emergency like encountering the sign (positive or early warning sign) of kick/inflow, incident/accident, downhole problem, mob violence etc he shall inform Installation Manager, Company Representative and in absence of tool pusher.

(iii) Intervene promptly and opportunely in emergencies as per his competency, at the same time notifying the superior in charge.

(b) HSE

(i) He shall follow SOP, Emergency procedure as per ERP and Work Permit System

(ii) He shall attend the JSA and Tool box meeting

(iii) He shall Use of proper personal protective equipment while at work shall be mandatory for him.

(iv) He shall not consume any alcoholic beverage at work place or work in inebriate condition and indulge unruly behaviour with co-worker.

1. **JOB SPECIFICATION**

(a) QUALIFICATION:

(i) Diploma in Mechanical / Automobile Engineering from any Institutions recognized by state or central government technical education board.

Or

(ii) One year ITI certificate holder in Diesel Mechanic/Fitter/Motor Mechanic trade from any Government ITI or other institutions recognised by state/central Government technical education board.

(b) EXPERIENCE

(i) 03 (three) years Diploma in Mech / Automobile Engg from any Recognized Institutions with 2 years of related oil field experience including 01 year as assistant mechanic ICE. with 5 years of related oil field experience

OR

01 (one) year ITI in Diesel Mechanic/Fitter/Motor Mechanic trade from any recognized institutions with min. 3 Years related oil field experience including 01 year as assistant mechanic ICE.

OR

10+2 or equivalent with minimum 5 Years related oil field experience including 02 year as assistant mechanic ICE.

(ii) Should have sufficient knowledge of operation and maintenance of Drilling / work-over rigs and its components viz. engines, rig pumps supercharge pumps, centrifugal pumps, solid control equipment, degasser, shale shaker and all other mechanical items/engines operating in drilling rigs

(iii) Should have sufficient knowledge of operation/repair/ maintenance of rig and its components such as engines, air compressor etc

(c) CERTIFICATION / LICENSE / HEALTH

(i) Job specific Physical capability requirement: Should be of sound health to work in adverse weather condition in drilling well must be supported by form 'O' verified by as depicted in HSE specification.

(ii) Safety courses required to carry out work at site and in accordance with company policy and as required by country law and regulations.

(iii) Should possess valid MVT certificate and knowledge of firefighting at well site.

16.1.14 <u>JOB TITLE: MECHANIC PUMP</u>

JOB LEVEL: Mid-level (Non-Supervisory)

JOB DESCRIPTION

Rig Mechanic works under the leadership of Mechanical Engineer and his job profile includes operating various Pumps/equipment fall under mechanical section, identifying their defects, using special diagnosis tools as recommended by OEM, replacing defect parts, performing maintenance work (i.e., preventative, periodic, schedule, breakdown) updating repair & testing records and collaborating with other workers from drilling sites etc.

JOB RESPONSIBILITY

(a) Operations

(i) Mechanic (Pump) shall be responsible for operation, maintenance and repair of all the reciprocating and centrifugal pumps connected to the rig including all the solid control equipment.

(ii) Preventive maintenance shall be carried out as per check list provide by Company representative (Drilling #TS) and proper record shall be maintained.

(iii) He shall also be responsible for O&M of Pulsation Dampener, Safety relief Valves, various HP/LP valves, pipe & fittings, etc.

(iv) He shall be responsible to carry out maintenance jobs of Solid Control equipment, Choke Manifolds, BOP Control Unit etc.

(v) He shall be responsible conversant with Safe Operating Procedures and oilfield related Safety & Environmental practices.

(vi) He shall maintain record of running hours for periodic maintenance of pumps and log sheets for engine performance monitoring.

(b) Reporting

(i) He shall report Tool pusher/NTP about the job carried out during duty hours.

(ii) However, during emergency like encountering the sign (positive or early warning sign) of kick/inflow, incident/accident, downhole problem, mob violence etc he shall inform Installation Manager, Company Representative and Drilling Supervisor in absence of tool pusher.

(iii) Intervene promptly and opportunely in emergencies as per his competency, at the same time notifying the superior in charge.

(c) HSE

(i) He shall follow SOP, Emergency procedure as per ERP and Work Permit System

(ii) He shall attend the JSA and Tool box meeting

(iii) He shall Use of proper personal protective equipment while at work shall be mandatory for him.

(iv) He shall not consume any alcoholic beverage at work place or work in inebriate condition and indulge unruly behaviour with co-worker.

1. **JOB SPECIFICATION**

(d) QUALIFICATION:

(i) 03 (three) years Diploma in Mechanical / Automobile Engineering from any Institutions recognized by state or central government technical education board.

(ii) 01 (one) year ITI in Diesel Mechanic/Fitter/Motor Mechanic trade from Engineering from any Institutions recognized by state or central government technical education board.

(e) EXPERIENCE

(i) 03 (three) years Diploma in Mech / Automobile Engg from any Institutions recognized by state or central government technical education board with Min. 2 years related Oil field experience including 1 year as Asst. mechanic Pump.

OR

01 (one) year ITI in Diesel Mechanic/Fitter/Motor Mechanic trade from any institutions recognized by state or central government technical education board with minimum 3 Years related oil field experience including 01 year as assistant mechanic Pump

OR

10+2 or equivalent with minimum 5 Years related oil field experience including 02 year as assistant mechanic Pump.

(ii) Should have knowledge of operation/maintenance and servicing of centrifugal pumps, reciprocating pumps and solid control equipment.

(f) CERTIFICATION / LICENSE / HEALTH

(i) Job specific Physical capability requirement: Should be of sound health to work in adverse weather condition in drilling well must be supported by form 'O' verified by as depicted in HSE specification.

(ii) Safety courses required to carry out work at site and in accordance with company policy and as required by country law and regulations.

(iii) Should possess valid MVT certificate and knowledge of firefighting at well site.

16.1.15 <u>JOB TITLE: ELECTRICIAN</u>

JOB LEVEL: Mid-level (Non-Supervisory)

JOB DESCRIPTION

The job description of an oil rig electrician entails installing, troubleshooting, repairing, maintaining, commissioning, and testing of electrical equipment and systems on oil rigs.

JOB RESPONSIBILITY

(a) Operations

(i) Rig Electricians shall have to carry out shift duty (in 12 hrs shift) and shall have to attend and rectify electrical faults.

(ii) He is responsible for proper housekeeping of generator house, electrical ghoomties and PCRs etc. Rig electrician is responsible to check Abnormal heating of plugs/sockets/terminal box/junction box / MCC components etc., Abnormal vibration, overheating, and bearing noise of all rotating electrical machines, connection, testing & commissioning of new electrical equipment / additional electrical gadgets.

(iii) During rig up time, he is responsible for erection of electric poles for fixing up of light fittings and to support overhead cables, burying of electrodes for earthing of PCRs, gen-sets, ghoomties, motors, light fittings, shades, mast etc., insulation resistance testing all the electrical equipment (e.g. Generators, Motors, Cables, transformers etc.) & recording, earth resistance testing & recording, insulation testing of all cables, motors, generators etc., powering up of DCPCR & ACPCR, commissioning of all the Electrical equipment including EC

brake, installation & commissioning of new / additional electrical equipment / gadgets.

(iv) During rig down time he is responsible disconnection of generators, motors, light fittings, dismantling of electrodes, electric poles, cables, earthing system etc., box up of cables, electrodes, small motors, light fittings etc. for safe transfer to the next location etc.

(b) Reporting

(i) He shall report Electrical Engineer about the job carried out during duty hours.

(ii) However, during emergency like encountering the sign (positive or early warning sign) of kick/inflow, incident/accident, downhole problem, mob violence etc he shall inform Installation Manager, Company Representative and Drilling Supervisor in absence of tool pusher.

(iii) Intervene promptly and opportunely in emergencies as per his competency, at the same time notifying the superior in charge.

(c) HSE

(v) Use He shall follow SOP, Emergency procedure as per ERP and Work Permit System

(vi) He shall attend the JSA and Tool box meeting

(vii) He shall Use of proper personal protective equipment while at work shall be mandatory for him.

(i) He shall not consume any alcoholic beverage at work place or work in inebriate condition and indulge unruly behaviour with co-worker.

1. **JOB SPECIFICATION**

(a) QUALIFICATION:

03 (three) years Diploma in Electrical Engg from any Institutions recognized by state or central government technical education board with 3 years of experience. He must possess valid Electrical Workman Permit with authorization for Parts/ class – i & ii, issued/recognized by appropriate Govt. Electrical Licensing Authority.

OR 02 (two) year ITI in Electrical trade from any institutions recognized by state or central government technical education board with 5 years of experience. He must possess valid Electrical Workman Permit with authorization for Parts/ class – i & ii, issued/recognized by appropriate Govt. Electrical Licensing Authority.

(b) EXPERIENCE

(i) Should be able to read circuits, communicate, detect and rectify faults.

(ii) Should have knowledge on use of tools and instrument such as multi meter, insulation tester, earth resistance tester, clip-on-meter etc.

(iii) Should have the knowledge and capable of working on DOL / Star-delta starters, earth leakage relay, circuit breakers, change over switch, FLP equipment, FLP double compression glanding, cable terminations etc.

(iv) Should be able to read electrical circuits, communicate/detect and rectify faults.

(v) Should have knowledge on hazardous area classification and be guided by the statutory requirements and directives of DGMS, OISD, OMR, IE rules, BIS standards etc. in drilling mines.

(vi) Should have the knowledge of training on Fire Fighting, Mines Vocational Training.

(c) CERTIFICATION / LICENSE / HEALTH Job Description

(d) Must possess valid Electrical Workman Permit with authorization for Parts/ class – i & ii, issued/ recognized by appropriate Govt. Electrical Licensing Authority.

Validity of permits – Must have a valid Electrical workman permits, allowing them to work in the state / region where they are deployed. Responsibility for ensuring adherence to these norms rests with the contractor.

[Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010; regulation no. 3,6,29 &115 and Oil Mines Regulations, 2017; regulation no.114 (4 & 5)].

(i) Job specific Physical capability requirement: Should be of sound health to work in adverse weather condition in drilling well must be supported by form 'O' verified by as depicted in HSE specification.

(ii) Safety courses required to carry out work at site and in accordance with company policy and as required by country law and regulations.

(iii) Should possess valid MVT certificate and knowledge of firefighting at well site.

16.1.16 JOB TITLE: ASSISTANT ELECTRICIAN

JOB LEVEL: Mid-level (Non-Supervisory)

JOB DESCRIPTION

The job description of an oil rig assistant electrician entails installing, troubleshooting, repairing, maintaining, commissioning, and testing of electrical equipment and systems on oil rigs.

JOB RESPONSIBILITY

a. **Operations**

(i) Asstt. Rig Electricians shall have to carry out shift duty (in 12 hrs shift) and shall have to attend and rectify electrical faults.

(ii) He is responsible for proper housekeeping of generator house, electrical ghoomties and PCRs etc. Asstt. Rig electrician is responsible to check abnormal heating of plugs/sockets/terminal box/junction box / MCC components etc., Abnormal vibration, overheating, and bearing noise of all rotating electrical machines, connection, testing & commissioning of new electrical equipment / additional electrical gadgets.

(iii) During rig up time, he is responsible for erection of electric poles for fixing up of light fittings and to support overhead cables, burying of electrodes for earthing of PCRs, gen-sets, ghoomties, motors, light fittings, shades, mast etc., insulation resistance testing all the electrical equipment (e.g. Generators, Motors, Cables, transformers etc.) & recording, earth resistance testing & recording, insulation testing of all cables, motors, generators etc., powering up of DCPCR & ACPCR or VFD PCR(s), commissioning of all the Electrical equipment including EC brake, installation & commissioning of new / additional electrical equipment / gadgets.

(iv) During rig down time he is responsible disconnection of generators, motors, light fittings, dismantling of electrodes, electric poles, cables, earthing system etc., box up of cables, electrodes, small motors, light fittings etc. for safe transfer to the next location etc.

b. **Reporting**

(i) However, during emergency like encountering the sign (positive or early warning sign) of kick/inflow, incident/accident, downhole problem, mob violence etc. he shall inform Installation Manager, Company Representative and Drilling Supervisor in absence of tool pusher.

(ii) Intervene promptly and opportunely in emergencies as per his competency, at the same time notifying the superior in charge.

(c) HSE

(i) Use He shall follow SOP, Emergency procedure as per ERP and Work Permit System

(ii) He shall attend the JSA and Tool box meeting

(iii) He shall Use of proper personal protective equipment while at work shall be mandatory for him.

(iv) He shall not consume any alcoholic beverage at work place or work in inebriate condition and indulge unruly behaviour with co-worker.

(A) JOB SPECIFICATION

(a) QUALIFICATION:

(i) Diploma in Electrical Engg from any Institutions recognized by state or central government technical education board. He must possess valid Electrical Workman Permit with authorization for Parts/ class – i & ii, issued/ recognized by appropriate Govt. Electrical Licensing Authority.

OR

Two (02) years ITI in Electrical trade from any institutions recognized by state or central government technical education. He must possess valid Electrical Workman Permit with authorization for Parts/ class – i & ii, issued/ recognized by appropriate Govt. Electrical Licensing Authority.

(ii) Should be able to read circuits, communicate, detect and rectify faults.

(iii) Should have knowledge on use of tools and instrument such as multimeter, insulation tester, earth resistance tester, clip-on-meter etc.

(iv) Should have the knowledge and capable of working on DOL / Star-delta starters, earth leakage relay, circuit breakers, change over switch, FLP equipment, FLP double compression glanding, cable terminations etc.

(v) Should be able to read electrical circuits, communicate/detect and rectify faults.

(vi) Should have knowledge on hazardous area classification and be guided by the statutory requirements and directives of DGMS, OISD, OMR, CEA (Measures Relating to Safety and Electric Supply) Regulations,2010, BIS standards etc. in drilling mines.

(vii) Should have the knowledge of training on Fire Fighting, Mines Vocational Training.

(j) **CERTIFICATION / LICENSE / HEALTH Job Description**

(i) Must possess valid Electrical Workman Permit with authorization for Parts/ class – i & ii, issued/ recognized by appropriate Govt. Electrical Licensing Authority.

Validity of permits – Must have a valid Electrical workman permits, allowing them to work in the state / region where they are deployed. Responsibility for ensuring adherence to these norms rests with the contractor.

[Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010; regulation no. 3,6,29 &115 and Oil Mines Regulations, 2017; regulation no.114 (4 & 5)].

(i) Job specific Physical capability requirement: Should be of sound health to work in adverse weather condition in drilling well must be supported by form 'O' verified by as depicted in HSE specification.

(ii) Safety courses required to carry out work at site and in accordance with company policy and as required by country law and regulations.

(iii) Should possess valid MVT certificate and knowledge of firefighting at well site.

16.1.17 JOB TITLE: WELDER

JOB LEVEL: Mid-level (Non-Supervisory)

JOB DESCRIPTION

Welder fabricates and assembles metal structures and equipment through the use of welders, cutters, shapers and measuring tools. Welders produce/ fabricate metal product according to employer specifications and field requirement. They use multiple welding machines to repair & maintain equipment and structures of various sizes. Welder extends all fabrication support for the Service provider/employers in field conditions as and when required.

JOB RESPONSIBILITY

(a) Operations

(i) Welder shall carryout all the routine welding jobs arising out of well operation as well as for breakdown of any equipment as per instruction of Rig Manager/ Toolpusher/ Mechanical Engineer.

(ii) He must be capable of welding jobs in well head and its accessories which require job specific experience and practice.

(iii) He is responsible for quality jobs and the welding jobs carried out by him shall be of better quality to withstand high pressure.

(iv) He is responsible to work up in the mast for repair work either in lay down state or erected state.

(v) Should be able to read blueprints and drawings and take or read measurements and procedures.

(vi) Should be able to determine the appropriate welding equipment or method based on requirements.

(vii) Should be able to set up components for welding according to specifications (e.g., cut material with powered saws to match measurements)

(viii) Should be able to operate angle grinders to prepare the parts that must be welded.

(ix) Should be able to able align components using callipers, rulers etc. and clamp pieces.

(x) Should be able to able to weld components using manual or semi-automatic welding equipment in various positions (vertical, horizontal or overhead)

(xi) Should be able to able to repair machinery and other components by welding pieces and filling gaps.

(xii) Should be able to able to weld test and inspect welded surfaces and structure to discover flaws.

(i) Should be able to able to maintain equipment in a condition that does not compromise safety.

(b) Reporting

(i) He shall report Mechanical Engineer about the job carried out during duty hours.

(ii) However, during emergency like encountering the sign (positive or early warning sign) of kick/inflow, incident/accident, downhole problem, mob violence etc he shall inform Installation Manager, Company Representative and Drilling Supervisor in absence of tool pusher.

(iii) Intervene promptly and opportunely in emergencies, at the same time notifying the superior in charge.

(c) HSE

(i) Use He shall follow SOP, Emergency procedure as per ERP and Work Permit System

(ii) He shall attend the JSA and Toolbox meeting

(iii) He shall Use of proper personal protective equipment while at work shall be mandatory for him.

(iv) He shall not consume any alcoholic beverage at workplace or work in inebriate condition and indulge unruly behaviour with co-worker.

1. **JOB SPECIFICATION**

(a) QUALIFICATION:

01 (One) year ITI certificate in welding trade in welding trade from any institutions recognized by state or central government technical education board.

(b) EXPERIENCE

(i) Should have at least 05 years of experience in oil industry as a welder and must be conversant in welding / cutting of casing and well head accessories.

(ii) Should have adequate experience in working in drilling wells and must be conversant of wellhead & accessories

(c) CERTIFICATION / LICENSE / HEALTH

(i) Job specific Physical capability requirement: Should be of sound health to work in adverse weather condition in drilling well must be supported by form 'O' verified by as depicted in HSE specification.

(ii) Safety courses required to carry out work at site and in accordance with company policy and as required by country law and regulations.

(iii) Should possess valid MVT certificate and knowledge of firefighting at well site.

(iv) 01 (One) year ITI certificate in welding trade in welding trade from any institutions recognized by state or central government technical education board.

16.1.18 JOB TITLE: GAS LOGGER

JOB LEVEL: Entry-level (Non-Supervisory)

JOB DESCRIPTION

Gas loggers' collects mud samples are taken at the right intervals and record presence of gas encountered during the drilling.

JOB RESPONSIBILITY

(a) Operations

(i) He shall be responsible is responsible to collect representative bottoms-up samples of drill cuttings from the mud nullah as specified in the drilling program.

(ii) He shall be is responsible is responsible to record the rate of penetration and mud weight shall be recorded by him at specified intervals.

(iii) He shall be is responsible to record gas reading by using gas meter at specified intervals and also during circulation.

(iv) He shall be is responsible to keep record of connection time, circulation time, shut down time, round tripping time and establishing circulation time etc.

(v) He shall be is responsible to monitor cleaning of mud nullah regularly to get correct representative samples and cleaning/washing for examination under microscope, fluoroscope and any other survey shall be his responsibility.

(vi) He shall be is responsible to ensure proper storing/packing and dispatching of drill cuttings as per instruction.

(b) Reporting

(i) He shall report Mud Engineer about the job carried out during duty hours.

(ii) However, during emergency like encountering the sign (positive or early warning sign) of kick/inflow, incident/accident, downhole problem, mob violence etc he shall inform Installation Manager, Company Representative and Drilling Supervisor in absence of tool pusher.

(iii) Intervene promptly and opportunely in emergencies, at the same time notifying the superior in charge.

(c) HSE

(i) Use He shall follow SOP, Emergency procedure as per ERP and Work Permit System

(ii) He shall attend the JSA and Toolbox meeting

(iii) He shall Use of proper personal protective equipment while at work shall be mandatory for him.

(iv) He shall not consume any alcoholic beverage at work place or work in inebriate condition and indulge unruly behaviour with co-worker.

JOB SPECIFICATION

(d) QUALIFICATION:

He must be 10+2 pass i.e. HS/SSC/HS/PU in science

(e) EXPERIENCE

(i) He should have 01 years' experience as mud logger/gas logger/ gas tester in drilling or workover rigs or oil field operations.

Or

He should have 02 years' experience working in drilling rig under Mud Engineer or as a roustabout with knowledge of cuttings sample, gas meter, sample, rate of penetration etc.

(ii) Should have knowledge of Operation of explosive meter to record gas reading.

(iii) Should have knowledge of Collecting and preserving bottoms up sample.

(f) CERTIFICATION / LICENSE / HEALTH Job Description

(i) Job specific Physical capability requirement: Should be of sound health to work in adverse weather condition in drilling well must be supported by form 'O' verified by as depicted in HSE specification.

(ii) Safety courses required to carry out work at site and in accordance with company policy and as required by country law and regulations.

(iii) Should possess valid MVT certificate and knowledge of firefighting at well site.

16.1.19 JOB TITLE: TOP DRIVE OPERATOR / TECHNICIAN

JOB LEVEL: Mid-level (Non-Supervisory)

JOB DESCRIPTION

The Top drive operator / technician under the direction of the Top Drive Supervisor/Toolpusher, performs repairs maintenance of our Top Drives

JOB RESPONSIBILITY

(a) OPERATIONS

(i) He shall be is responsible to travel to the field/wellsite as appropriate to perform troubleshooting, rig ups and rig down of Top drive system.

(ii) He shall be is responsible to perform maintenance and repairs on Top Drives as per OEM.

(b) REPORTING

(i) He shall report Rig Manager/Tool pusher about the job carried out during duty hours.

(ii) However, during emergency like encountering the sign (positive or early warning sign) of kick/inflow, incident/accident, downhole problem, mob violence etc he shall inform Installation Manager, Company Representative and Drilling Supervisor in absence of tool pusher.

(iii) Intervene promptly and opportunely in emergencies, at the same time notifying the superior in charge.

(c) HSE

(i) Use He shall follow SOP, Emergency procedure as per ERP and Work Permit System

(ii) He shall attend the JSA and Toolbox meeting.

(iii) He shall Use of proper personal protective equipment while at work shall be mandatory for him.

(iv) He shall not consume any alcoholic beverage at workplace or work in inebriate condition and indulge unruly behaviour with co-worker.

1. **JOB SPECIFICATION**

(a) QUALIFICATION:

He must be HSLC/HS/SSC/HS/PU or 01 (one) year ITI in Diesel Mechanic/Fitter/Motor Mechanic trade from Engineering from any

Institutions recognized by state or central government technical education board.

(b) EXPERIENCE

(i) He should have knowledge of Top drive system.

(ii) He should have training in Top drive system and preferably trained under OEM of the top drive or its authorised training centre.

(iii) Should be of sound health and have at least two (2) years' work experience in operating, rigging-up & rigging-down a similar top drive unit attached to drilling rig.

(c) CERTIFICATION / LICENSE / HEALTH

(i) Job specific Physical capability requirement: Should be of sound health to work in adverse weather condition in drilling well must be supported by form 'O' verified by as depicted in HSE specification.

(ii) Safety courses required to carry out work at site and in accordance with company policy and as required by country law and regulations.

(iii) Should possess valid MVT certificate and knowledge of firefighting at well site.

16.1.20 <u>JOB TITLE: HEAVY CRANE OPERATOR</u>

JOB LEVEL: Mid-level (Non-Supervisory)

JOB DESCRIPTION

The Crane Operator is responsible for the safe and efficient operation and general maintenance of the various cranes located on the drilling rig. He is responsible for safety and efficiently lifting and moving/relocating equipment, containers, pipe and various materials and supplies utilized in the operations and daily functions of the drilling rig. This includes offloading and back-loading of equipment etc. from vehicles as well as moving heavy or bulky materials throughout the rig, to and from the rig floor and work area. The Crane Operator is responsible for the safe and efficient work of the Roustabouts as well as for the supervision and training of the Roustabouts who provide the maintenance on the rig, relief to the rig man and manpower for crane operations.

JOB RESPONSIBILITY

(a) Operations

(i) He shall be responsible for operating the wellsite crane

(ii) He shall be responsible for carrying out all loading unloading of equipment and material as per instruction of Tool pusher/Driller or his deputy during Drilling operations and also during Inter Location Movement (ILM).

(iii) He shall have fair knowledge of rig operation and shall be able to place and align equipment/machinery/material even where higher degree of control and accuracy is required.

(iv) He shall be responsible for performing routine maintenance.

(v) He shall be responsible for carrying tools for running repairs.

(vi) He shall be responsible for driving the crane to a worksite.

(vii) He shall be responsible for cleaning and maintaining the crane hoisting mechanism.

(viii) He shall be responsible for following the manufacturer's operator manual.

(b) Reporting

(i) He shall report Tool pusher/NTP about the job carried out during duty hours.

(ii) However, during emergency like encountering the sign (positive or early warning sign) of kick/inflow, incident/accident, downhole problem, mob violence etc he shall inform Installation Manager, Company Representative and Drilling Supervisor in absence of tool pusher.

(iii) Intervene promptly and opportunely in emergencies, at the same time notifying the superior in charge.

(c) HSE

(i) He shall be responsible for inspecting the crane to ensure its safety at the beginning in every day and shall record in bound page book counter signed by Rig Manager and HSE officer.

(ii) He shall maintain a daily logbook to record his daily performed jobs.

(iii) He shall use tag line to guide/control the lifting load.

(iv) He shall be responsible for using right kind of sling and lifting gears.

(v) He shall inspect the sling and lifting gears at regularly and informed Rig Manager│Toolpusher│HSE officer for any replacement if he found not suitable.

(vi) Use of proper personal protective equipment while at work shall be mandatory for him.

(vii) Consumption of alcoholic beverage at work place or working in inebriate condition and unruly behaviour with co-worker shall be strictly avoided

1. **JOB SPECIFICATION**

(e) QUALIFICATION:

(i) He must be HSLC/HS/SSC/HS/PU or 01 (one) year ITI in Diesel Mechanic/Fitter/Motor Mechanic trade from any Institutions recognized by state or central government technical education board

(f) EXPERIENCE

(i) Should have a minimum of 05 years work experience in operating a heavy crane attached to drilling rigs.

(g) CERTIFICATION / LICENSE / HEALTH

(i) Job specific Physical capability requirement: Should be of sound health to work in adverse weather condition in drilling well must be supported by form 'O' verified by as depicted in HSE specification.

(ii) Safety courses required to carry out work at site and in accordance with company policy and as required by country law and regulations.

(iii) Valid license for heavy duty vehicles/ crane

(iv) Crane operator certification from Govt registered training centre.

(v) Should possess valid MVT certificate and knowledge of firefighting at well site.

16.1.21 JOB TITLE: Telephone Attendant cum Office Boy

JOB LEVEL: Entry-level (Non-Supervisory)

JOB DESCRIPTION

JOB RESPONSIBILITY

(a) Operations

(i) He shall not be deployed for operational activities.

(ii) Telephone Attendant cum Office Boy shall recognize each key personnel working in the rig by designation & name to call them from work to attend telephone.

(iii) He shall have fair idea about various operation and terminology used in drilling to understand caller's viewpoint while attending telephone call.

(iv) He shall work as Office Boy in company's representative office during his visit to well site.

(b) Reporting

(v) He shall report Camp boss about the job carried out during duty hours.

(vi) However, during emergency like encountering the sign (positive or early warning sign) of kick/inflow, incident/accident, downhole problem, mob violence etc he shall inform Installation Manager, Company Representative and Drilling Supervisor in absence of tool pusher.

(vii) Intervene promptly and opportunely in emergencies, at the same time notifying the superior in charge.

(c) HSE

(viii) Use of proper personal protective equipment while at work shall be mandatory for him.

(ix) Consumption of alcoholic beverage at work place or working in inebriate condition and unruly behaviour with co-worker shall be strictly avoided.

(x) Well site basic HSE awareness program shall be conducted by HSE team of the Service provider for the telephone attended cum office boy.

JOB SPECIFICATION

(a) QUALIFICATION:

He must be able to read and write in English/Hindi

(b) EXPERIENCE

(i) He should have basic knowledge of job.

(c) CERTIFICATION / LICENSE / HEALTH

(i) Job specific Physical capability requirement: Should be of sound health to work in adverse weather condition in drilling well must be supported by form 'O' verified by as depicted in HSE specification.

16.1.22 JOB TITLE: Other Unskilled personnel

JOB LEVEL: Entry-level (Non-Supervisory)

JOB DESCRIPTION

JOB RESPONSIBILITY

(a) Operations

As assigned by Tool pusher/NTP.

Unskilled helper shall assist key personnel (Mud Attendant, Mechanic Pump/ICE, and Electrician) as per assignment fixed by Tool Pusher/Driller on day-to-day requirement basis. Generally, four numbers of helper shall be engaged per shift as aid for Mud Engineer and rest four numbers in general shift as aid to Mechanics and plinth maintenance etc.

(b) Reporting

(i) He shall report Tool pusher/NTP about the job carried out during duty hours.

Or as suggested by Tool pusher/NTP

(c) HSE

(ii) Use of proper personal protective equipment while at work shall be mandatory for him.

(iii) Consumption of alcoholic beverage at work place or working in inebriate condition and unruly behaviour with co-worker shall be strictly avoided

1. **JOB SPECIFICATION**

(a) QUALIFICATION: Able to read and write

(b) EXPERIENCE: Not applicable

(c) CERTIFICATION / LICENSE / HEALTH

(i) Job specific Physical capability requirement: Should be of sound health to work in adverse weather condition in drilling well must be supported by form 'O' verified by as depicted in HSE specification if the employment is more than 06 Month.

(ii) Safety courses required to carry out work at site and in accordance with company policy and as required by country law and regulations.

(iii) Should possess valid MVT certificate and knowledge of firefighting at well site.

GENERAL NOTE TO HR DEPLOYMENT:

a. The experiences & qualifications are not exhaustive; however, company may reject or accept a person without assigning any reason.

b. Emphasis for selection shall be on the job performance & output. At Company's own discretion, Company may accept a person relatively under qualified and with less experience on Probation basis for a minimum period of 03(Three) months and if the person has performed, based on his/her performance and output, the person may be accepted for the post.

However, the above shall not be applicable for a fresher.

Annexure: Waste Management

1.0 SCOPE OF WORK

In case the bidder does not have experience in the waste management services of their own including vertical cutting dryer service with WBM as per scope of work, they can have pre-tender tie-up with other service providers/Third Party. However, the bidder should execute a notarized MOU/ Agreement (as per Proforma-MOU Waste Management enclosed below) valid for entire duration of the contract including extension, if any and should be furnished along with the Technical Bid clearly referring to OIL's tender document number & indicating the scope of work for technical partner of the bidder. Notwithstanding the MOU, bidder shall clearly undertake the single point responsibility of completing the project as offered by the bidder.

DOCUMENTARY EVIDENCE

Bidder or Third Party should have experience of providing the Vertical cuttings dryer as well as well as recycle package and must furnish documentary evidence in support of establishing the same with relevant Contract/Agreement copy along with additional documentary evidence as stated below:

a. Documents such as satisfactory completion certificate OR Performance report issued by the client(s) clearly mentioning Contract/Agreement No. or with any other documents that can substantiate completion of the executed job in case completed contract.

OR

b. Documents such as mobilization completion notice, LOA, Daily Progress Report/ service ticket in case of running contract.

1.1 VERTICAL CUTTINGS DRYER PACKAGE

To provide Vertical Cuttings Dryer package along with dedicated decanter centrifuge for handling Drill Cuttings with Recovery & Recirculation of mud from Drill Cuttings.

1.1.1 SERVICE REQUIREMENT OF VERTICAL CUTTINGS DRYER PACKAGE:

(i) Capable of providing service for round clock and throughout the year.
(ii) To treat Water Based Mud cutting separated by Solid Control System of Drilling Rigs, i.e., primary shale shaker, desilter and desander.
(iii) To supply machinery / equipment to collect the cuttings from shale shaker, desilter and desander including cutting retainer tank /corral of size (approx. L 20ft x H 5ft x W 10ft) to collect the cuttings from shale shaker, desilter and desander. The size of the cutting retainer corral shall be capable of handling cuttings generated from desander, desilter and vibrating screen during drilling operation.
(iv) To arrange effective and efficient feeding arrangement for cutting collections into VCD.
(v) To collect cuttings in disposable bags or as suggested by OIL.
(vi) To recycle the drilling fluid recovered from VCD back into the drilling process or reserve mud tank system through a centrifuge and catch tank.

(vii) The solid generated in the centrifuge to be treated in recycle unit.
(viii) The dry cuttings are to be collected and disposed as described in SoW.

1.1.2 DELIVERABLE OF VERTICAL CUTTINGS DRYER PACKAGE

1.1.2.1 FEEDING AND DISCHARGE ARRANGEMENT

i) Effective feeding arrangement via screw conveyor or progressive cavity cuttings transfer pump or manually by Back Hoe Loader to feed drill cuttings into VCD hopper. In case of manual handling cutting retainer tank of half-moon shaped to be used for collecting the cuttings. The size of the half-moon shaped tank shall be capable of handling cuttings generated from desander, desilter and vibrating screen during drilling operation.

ii) Solids separation system in VCD must have effective and automated discharge arrangement with adjustable length (extendable or retractable) and height. Dry cuttings should be stock-piled, away from the VCD system, directly into waste containment bin / jumbo bags.

iii) The automated discharge arrangement or fully-enclosed Belt Conveyor with telescoping base stand must be fully covered to protect the dry cuttings from ingress of rain water. The shed over the unit will be provided by OIL as per scope of civil work.

iv) Effective arrangement to transfer the solid generated in the centrifuge to be treated in recycle unit and subsequently, the filter pressed output to be disposed as per CPCB guidelines.

1.1.2.2 VERTICAL CUTTINGS DRYER EQUIPMENT

i) Vertical Cutting Dryer (VCD) supplied under the contract shall be brand new or with a maximum vintage of 05 years from the date of BCD. Documentary evidence shall be provided for confirmation in this regard.

ii) Vertical Cutting Dryer must be designed for handling & drying water based mud cuttings. OEM certification shall be required for confirmation in this regard.

iii) Capable of handling semi liquid cuttings of desilter and desander.

iv) Feed capacity 40 - 80 Tonne per Hour (10 – 20 kg/s)

v) Independent VFD Variable Control of Flites and Screen RPM.

vi) Conical Centrate Collection Launder Section to aid in Centrate Discharge from VCD.

vii) Flights of VCD should be Tungsten Carbide or Ceramic lined.

viii) Screen should be Chrome-Hardened Profile Wire. Various screen sizes with minimum size of 250 micron should be provided for handling different sizes of cuttings.

ix) Coating should be Zinc-Rich Powdered Industrial Coat.

x) Direct Drive Motor Configuration without the use of Belts.

xi) NEMA 7 Class 1 – Division 1or IS/IEC/EN: 60079-1 standard Air-Cooled VFD Control System with PLC-Driven Load Compensation for Drive Motors.

xii) Capable of protecting from water ingress and maintenance window to be provided.

xiii) Interior should have wear resistant materials to increase life cycle.

xiv) Rotor should be made of wear resistant materials like tungsten etc.

xv) Maintenance-Free Oil-Sealed Gearbox that Requires No Active Lubrication Pump, Oil Filter, or External Oil Reservoir.

xvi) Design should comply the National Fire Protection Association ("NFPA") Publication 70 for Class I – Division I / 60079 series of standards for Class I – Division I, where it deemed to fit.

xvii) VCD Package should be compact and integrated, mounted on a skid or on trailerized platform. Both configurations include a maintenance and service deck to support the VCD, feed hopper and liquid collecting tank.

xviii) A safe staircase is to be provided, along with a secondary emergency ladder with proper railing.

xix) Emergency safety interlock/emergency shutdown system should be available.

xx) System should be so designed that unit can be restarted only by manual when it trips.

xxi) Catch/Containment tank must be available for collecting the fluid output from the VCD for feeding the same to a Decanter Centrifuge. The catch tank should be fitted with agitator with minimum dimension of 20 ft x10ft x 3ft.

1.1.2.3 CENTRIFUGE

i) The centrifuge preferable either of Brant (NOV), Derrick or Swaco or similar type.

ii) The Centrifuge should have the capacity for LGS (low gravity solid) separation.

iii) The Centrifuge should have proper safety sensor/indicator/ gauge to monitor vibration, speed, temperature, pressure, and torque.

iv) The Centrifuge must have proper control device and emergency shut system.

v) All the rotating part must be covered.

vi) It should carry certification like ATEX or equivalent for using in hazardous area.

vii) System should be so designed that unit can be restarted only by manual when it trips.

viii) The Centrifuge preferably should have the following basic parameters:

a) Operating speed: 3000 RPM(Minimum)

b) G-Force: 3000 G (Minimum)

c) Hydraulic flow rate: 8 Cubic metre/day (Minimum)

d) Minimum 14" Bowl

1.1.2.4 PACKAGING OF DRY CUTTINGS

i) Dry cutting are to be put into jumbo bags (approximately 01Ton) and stoke piled in a designated area provided by OIL at site temporarily or as advised by OIL.

ii) Dry cuttings are to be taken by the contractor to designated area as advised by OIL

1.2 RECYCLE SERVICE PACKAGE

Recycle Service package will cover a mobile Effluent Treatment Unit, onsite Laboratory, Reverse Osmosis (RO) Unit & Filter Press (for dewatering) unit for providing technical water for mud preparation & other uses from Recycling.

1.2.1 SERVICE REQUIREMENT OF RECYCLE SERVICE PACKAGE:

1.2.1.1 GENERAL REQUIREMENT

i) Capable of providing service for round clock and throughout the year. The effluent treatment unit shall have capacity to handle minimum 150 cubic meter of liquid effluent.

ii) To collect and treat the liquid effluent generated from the various rig utility │activity.

iii) To store the effluent and treated water in reserve tanks (to be provided by OIL) if pit is not available.

iv) Treatment of the liquid effluent so as the output of ETP (final output) shall conform to the standard of CPCB (Central Pollution Control Board) and SPCB (State Pollution Control Board) norms and follow MoEF (Ministry of Environment & Forest) guidelines published time to time and limit set by OIL as per Table (1).

v) To make the treated liquid output of unit ready for Re-circulation as technical water for mud preparation, industrial use and rig utility. The technical water should be suitable to be reused in PHPA or NDDF or any salt solution and must conform to the chemical requirement as per Table 1.

vi) Carrying out daily testing of treated water at well site/ drilling location. Offsite testing of water as per the terms and conditions laid as (1.2.2 under **"INSPECTION & TESTING").**

vii) Collection of oil separated from effluent in the Company supplied empty barrels. However, OIL shall take responsibility to dispose the collected oil in the barrels.

viii) Provisions for pumps and pipe lines for recirculation of treated water to storage tank of OIL is the responsibility of the Contractor.

ix) Provision for rain water treatment for industrial use including mud preparation.

i) The Recycle service should offer proper layout with maximum capacity for separation of liquid & solid effluent.

ii) The unit shall be in full operating condition from the spud in date till the date of ILM of the unit.

Table (1): Permissible Limit set by SPCB

Sl. No	Parameters	Permissible Limit SPCB (Not to exceed)
1	pH	5.5 -9.0
2	Temperature	40° C
3	Suspended Solids	100 mg/L
4	Oil & Grease	10 mg/L
5	Phenolics	1.2 mg/L
6	Cyanides	0.2 mg/L
7	Fluorides	1.5 mg/L
8	Sulphides	2.0 mg/L
9	Chromium (Hexa)	0.1 mg/L
10	Chromium (Total)	1.0 mg/L
11	Copper	0.2 mg/L
12	Lead	0.1 mg/L
13	Mercury	0.01 mg/L
14	Nickel	3.0 mg/L
15	Zinc	2.0 mg/L

16	BOD at 27° C for 3 days	30 mg/L
17	COD	100 mg/L
18	Chlorides	600 mg/L
19	Sulphates	1000 mg/L
20	Total Dissolved Solids	2100 mg/L
21	Percent Sodium	60 mg/L

1.2.2 INSPECTION & TESTING

1.2.2.1 The party should have the testing facility of all the parameters as per TABLE (5): "Acceptable Limit of Output" after treatment in Recycle Unit. However, if the party doesn't possess the required testing facilities of their own for fortnightly test, they have to perform the same in a NABL accredited laboratory/Govt laboratory.

1.2.2.2 OIL reserves right to cross-check the laboratory results of the party at any time in OIL's laboratories. In case of discrepancy, party has to retreat the output liquid to achieve the desired parameters.

Test Parameters and tentative Frequency of various tests are given in Table (2):

Table (2): Test Parameters and tentative Frequency

Sl. No	Parameters	Permissible Limit SPCB (Not to exceed)	Daily Testing at Site	Fortnightly Testing offsite by the Contractor
1	pH	5.5 -9.0	Yes	Yes
2	Temperature	40° C	Yes	Yes
3	Suspended Solids	100 mg/L	Yes	Yes
4	Oil & Grease	10 mg/L	Yes	Yes
5	Phenolics	1.2 mg/L		Yes
6	Cyanides	0.2 mg/L		Yes
7	Fluorides	1.5 mg/L		Yes
8	Sulphides	2.0 mg/L		Yes
9	Chromium (Hexa)	0.1 mg/L		Yes
10	Chromium (Total)	1.0 mg/L		Yes
11	Copper	0.2 mg/L		Yes
12	Lead	0.1 mg/L		Yes
13	Mercury	0.01 mg/L		Yes
14	Nickel	3.0 mg/L		Yes
15	Zinc	2.0 mg/L		Yes
16	BOD at 27° C for 3 days	30 mg/L		Yes

17	COD	100 mg/L		
18	Chlorides	600 mg/L	Yes	
19	Sulphates	1000 mg/L	Yes	
20	Total Dissolved Solids	2100 mg/L	Yes	
21	Percent Sodium	60 mg/L		Yes
22	Turbidity (RO)	10 NTU	Yes	

1.2.2.3 TECHNICAL REQUIREMENT

i) The liquid treatment process should of chemical and of mechanical separation using suitable technology.

ii) The mobile effluent treatment unit offered shall be brand new or of a vintage of 3 years (maximum).

1.2.2.4 CHEMICAL REQUIREMENT

i) No Chemical which is identified banned by GOI or WHO must not be used and OIL reserves right to ask the certification from recognised lab to certify the same.

ii) Liquid output after treatment should meet all the criteria and acceptable limit of output of recycle package as per TABLE (3) and TABLE (5), so that it can be reused in the mud system.

1.2.3 DELIVERABLE OF RECYCLE PACKAGE

The recycle package is consists of following deliverables.

1.2.4 DELIVERABLE OF RECYCLE SERVICE PACKAGE

1.2.4.1 CHEMICAL SEPARATION UNIT│FLOCCULATION UNIT ~~[AS PER ANNEXURE: X]~~

This unit should be capable of performing the neutralization of effluent and chemical treatment (Coagulation and Flocculation of Effluent). The treated liquid effluent / output must conform to SPCB/CPCB norms, and eligible to be re-used as technical water and for rig utility.

i) Provision should be available for chambered Chemical treatment for Coagulation and Flocculation of Effluent with Agitator for chemical mixing at desired rate required for various Effluent types. It should consist of Flash Mixer & Flocculator with agitator, corrugated plate interceptor for aiding separation of oil & grease and suspended solid particles from the effluent.

ii) Tube Clarifier chamber, with hopper bottom sludge collection system, for final sedimentation of suspended solid particles, Pressure Sand Filter and Dual Media Filter for filtering the clarified Effluent after the Coagulation-Flocculation, and Clarification stages, Activated Carbon

Filter for reduction of Odour, volatile organic compounds, Chlorine, etc. shall be available.

iii) Provision should be available for the chemical dosing as per requirement and capable of monitoring of such dosing conveniently.

iv) Provision should be available for removal of Oil &Grease and smaller solid particles from the separated Effluent after Coagulation and Flocculation.

v) Unit should have hopper bottom sludge collection system, for periodic removal of the solid particles.

vi) Unit should be capable of removing the turbidity and suspended particles present in the feed water.

1.2.4.2 DEWATERING UNIT

i) A mechanical device (Filter Press) is to be provided for dewatering of sludge produced in chemical separation │flocculation unit.

ii) The Solid cakes generated from the dewatering unit to be disposed as described in 6.4 under "Waste Transportation, Store and Disposal**"**.

iii) Minimum daily processing of sludge is 30 m^3 day. However, the capacity of the filter press shall match with the sludge output produced in the VCD and recycle unit, so that the operation of both the units remains unaffected.

1.2.4.3 RO UNIT

i) Sedimentation, Clarification and Filtration of separated Effluent in a Skid-mounted RO Unit (Reverse Osmosis Unit), with Reverse Osmosis method for desalination of dissolved solids such as Chlorides, Sulphates, etc., which constitute the like sediment, volatile organic compounds (VOCs), taste and odour from the filtered Effluent.

ii) RO unit should consist of pre-treatment set-up of Activated Carbon Filter and Micron Cartridge Filter for removal of impurities not suitable for RO Membranes, SS Feed Pump, Anticipant Dosing system, Membrane cleaning setup, High Pressure Pump, Multiple arrangement of 8 inch dia Sea-water type/other suitable type Membranes for reducing the values of TDS (such as Chlorides, etc.), Hardness, Alkalinity to be within CPCB/SPCB norms for on-shore discharge, and for providing technical water for mud preparation.

iii) The treated output through RO Membranes (Permeate) will be within the SPCB norms, and the trapped dissolved solids/salts/minerals will come out as Rejects, which will be discharged to a separate Pit for natural drying/evaporation. The same may be reinjected by OIL in injection wells at OIL's scope.

iv) Minimum processing capacity of RO should be 150 M^3/ day, however capacity of the RO unit shall match with the output produced in the filter press and recycle unit, so that the operation of both the units remains unaffected.

1.2.4.4 TECHNICAL WATER

(i) To provide recycled Technical water to be used in mud preparation

(ii) Necessary arrangement to be provided to supply the Technical water to the point of use.

1.2.4.5 RIG UTILITY AND INDUSTRIAL WATER

To provide recycled rig utility water to be used in cleaning of rig equipment, derrick floor cleaning etc. and also preferably in cooling purpose.

1.2.4.6 HOUSEHOLD WATER

To provide recycled utility water in camp for domestic use other than drinking.

1.3 OIL SKIMMER TO CLEAN WASTE PITS OF FLOATING OIL (CALL OUT BASIS)

An oil skimmer is a device that is designed to remove oil floating on a liquid surface. **Floating Oil Skimmers,** float on the water surface and consists of adjustable floating surface collector and pneumatic pump with accessories. The capacity shall be approximately 2-2.5 Ton/Hr.

1.3.1 SERVICES REQUIREMENT

i) To remove / collect oil floating on a liquid surface.
ii) To store the collected oil in drums designed for storing the oil.
iii) To facilitate the oil filled cask/ drum to dispose nearest OIL's designated place**.**

1.3.2 DELIVERABLE OF OIL SKIMMER TO CLEAN WASTE PITS OF FLOATING OIL (CALL OUT BASIS)

1.3.2.1 SUPPLY OF SKIMMER:

i) The contractor shall supply suitable floatable skimmer of reputed make on as and when required basis by OIL to facilitate skimming/collection of spilled crude oil layers from surfaces of water bodies like pits, drains etc. All necessary arrangement for deployment, installation and operation of skimmer shall be done by contractor with no extra cost to OIL.
ii) Contractor has to submit detailed Technical Specifications of Skimmer(s).
iii) Preferably floating funnel type oil skimmer or belt type oil skimmer but not limited, to collect floating oils may be used.

1.3.2.2 SUCTION HOSE

Sufficient nos. of non-collapsible, flexible suction hoses of standard diameter and length for collecting oil from skimmer into the drum/cask.

1.3.2.3 CONTAINER

OIL to supply drums/cask designed for storing the oil.

1.3.2.4 LABELLING ON CONTAINER

The following information should be written on the cask/drum body in bold letters by the contractor.

i) On Oil India Duty
ii) Location Name, Emergency Telephone Number
iii) No Naked Light

1.3.2.5 TRANSPORTATION

To keep the oil filled cask/ drum at OIL's designated place onsite or offsite.

1.3.2.6 EQUIPMENT AND MANPOWER

i) All additional equipment, manpower and PPE to execute the skimming, storing and transport shall be arranged by contractor with no extra cost to OIL.
ii) Biodata to be submitted as per annexure:01
iii) Deployment of competent officials and personnel is the responsibility of the contractor. The details of manpower to be approved with 'no objection" from OIL.

1.3.2.7 POLLUTION AND CONTAMINATION

Notwithstanding anything to the contrary contained herein, it is understood and agreed by and between the Contractor and Operator that the responsibility for neither pollution nor contamination shall be as follows:

The Contractor shall assume all responsibility and liability for cleaning up and removal of pollution or contamination which originates above the surface from s pills of fuels, lubricants, motor oils, pipe dope, paints, solvents and garbage wholly in contractor's possession and control and/ or directly associated with Contractor's equipment and facilities, caused, and that originating from normal water based drilling fluid and drill cuttings.

1.4 WASTE TRANSPORTATION, STORE AND DISPOSAL

1.4.1 SERVICES REQUIREMENT

i) The contractor shall provide waste disposal services with equipment/tools and manpower to treat, segregate, recycle and dispose waste from wellsite.
ii) Contractor shall confirm to follow all the norms of waste disposal as prescribed by PCBA or EPA, 1986 and the Rules, Regulations and Statutory Order &Circulars thereunder.
iii) Waste transport will be subject to the issuance of notice/advice from OIL.
iv) Evacuation arrangements like JCB, Carriers or any others equipment required for such evacuations will be arranged by the contractor.
v) The Contractor has to arrange the test certificate for treated drill cutting for its toxicity & hazardous constituted before disposing it into disposal pit in line with OIL's toxicity test of drill cuttings.
vi) The hazardous and non-hazardous solid waste that will be produced in drilling location should meet OIL expectations as follows:

a) The waste is to be sorted at site itself.

b) Storage containers to be specific to each category of domestic and industrial waste other than drilling waste to be present at the various points of their production as below:

- Plastics/glasses,
- Metal residues (e.g. preserves, metal parts, etc.)
- Electrical Waste
- Biodegradable waste.
- Oily rags

c) Drums /Containers manufactured to be used for storing waste (drums or bucket with proper cover) will be in good condition, clearly labelled and properly closed when not in use.

d) Biodegradable household waste will be treated directly on the site.

e) Drums/containers carrying chemicals shall not be used for aforesaid purpose.

vii) The Contractor shall be equipped with General waste skips, waste drums etc.

viii) The approximate estimated domestics and industrial waste disposal volume other than drilling waste during normal operation period for the entire operation time is given below:

(a) General waste: Food Waste, Non-recycle waste --- 10drums /week.

(b) Recycle waste: Paper, wood, Plastics, Metals------- 10 drums/week.

(c) Hazardous waste: Oily rags, chemicals, used PPE-----10 drums/week.

(d) Drum: 200 litre bin

1.5 HR DEPLOYMENT

1.5.1 PERSONNEL

The Integrated Drilling Environment Management Service provider shall be responsible for to providing the services mentioned here under through deployment of a team of qualified/certified personnel. The educational qualification & experience criteria of deployed personnel are mentioned in Table-2 below:

TABLE (3): HR DEPLOYMENT

Sl. No.	Name of position	Educational Qualification	Experience & Certification	Stationed	Working Hours	OFF as per Note	Total on pay roll per rig

1	Plant Manager	Graduate Engineer in Chemical/ Mechanical/Diploma in Chemical/ Mechanical Engineering from AICT recognised institute / Science Graduate with Chemistry as a subject from Govt. recognized University	*i)* Should be of sound health and have work experience in any similar plant of minimum 03 years for diploma in chemical/mechanical engineering and 02 years for Bachelor of Science with chemistry and 01 years for Graduate Engineer in Chemical/ Mechanical Engineering.	At respective well site	(Day Shift and on call basis)	01	02
2	Recycle Package Operator	Graduate Engineer/Diploma in Engineering from AICT recognised institute / Science Graduate from Govt. recognized University/ ITI passed with ICE/Electrical /Mech Fitter from Govt recognised institutes.	*i)* Should be of sound health and have work experience in any similar plant of minimum 03 years for Diploma in Engineering and 02 years for Bachelor of Science and 01 years for B. Tech or BE *ii)* In case of ITI passed, he should have a minimum experience of 05 years in any similar plant.				

3	Laboratory Technician	Diploma in Engineering in Chemical Engineering from AICT recognised institute / Science Graduate with Chemistry as a subject from Govt. recognized University	*i)* Should be of sound health and have work experience in any similar plant of minimum 03 years for Diploma in Chemical Engineering and 02 years for Bachelor of Science.	At respective well site	(24 hrs x 7 days on call basis)	2	04
4	VCD Package Operator	ITI passed with ICE/Electrical /Mech Fitter from Govt recognised institutes/HS passed from state/central board or council	*i)* Should be of sound health and have work experience in any similar plant of minimum 01 years *ii)* OEM trained and certified		12	2	04
5	VCD and Recycle package Helper (when required)	Class 8th standard passed	Unskilled and Should be of sound health		12	4	08

1.5.1.1 The Electrical Engineer/ Chief Electrician shall be responsible for operation, maintenance, troubleshooting, statutory compliance and all other jobs related to electrical domain with respect to Waste Management Plant/ Effluent Treatment Plant. However, if the bidder chooses to employ a separate electrical supervisor dedicatedly for the Waste Management Plant/ Effluent Treatment Plant, the additional electrical supervisor shall have supervisory license and qualification same as that of the Electrical Engineer/ Chief Electrician of the rig (as mentioned in HR Specification clause no 1.1.11) **Note:** "OFF & ON" pattern of personnel deployed at well site shall be guided as per DGMS Circular SO1658 (E) date 30th June, 2014 with fulfilling all its conditions.

1.5.1.2 COMPETENT OFFICIALS AND COMPETENT PERSON

All the officials and employees) deployed as per "TABLE (4): HR DEPLOYMENT" shall be treated as competent officials and persons as per Regulations (21) Appointment of officials and competent persons and shall

perform duty as Regulation (26) Duty of persons employed in mine and Regulation (33) Duty of competent person of OMR, 2017 in addition to other assigned jobs as per the contract.

1.5.1.3 PLANT MANAGER

i) **CATEGORY**

Competent official as described in regulation (21), i.e. Appointment of officials and competent persons.

ii) **JOB SPECIFICATION**

The Plant Manager is the location supervisor of the Waste Management Service unit for the contractor or service provider and responsible for the supervision and implementation of the services committed under the contract and to ensure that all operations are conducted in a safe and efficient manner, within the requirements of Company policy and statute of India. His job is largely technical, including ensuring that the plant has sufficient materials, spare parts and skilled personnel to continue efficient operations.

iii) **JOB RESPONSIBILTY**

a) He shall be answerable to Mines Manager or Installation Manager/Deputy Mines Manager as directed by Mines Manager to represent on his behalf.
b) He is responsible to ensure that all service requirements and deliverables are as per the contract.
c) Ensure an adequate inventory of equipment and materials is maintained on the drilling unit to carry out the work
d) He is responsible to maintain all documents and records and liaison in charge during any visits/inspection by OIL or any external personnel.

1.5.1.4 RECYCLE PACKAGE

i) **CATEGORY**

Competent official as described in regulation (21), i.e. Appointment of officials and competent persons.

ii) **JOB SPECIFICATION**

His job is to operate the Recycle Package including all equipment and to ensure all deliverables under Recycle Package meets the contractual requirement.

iii) **JOB RESPONSIBILTY**

a) He shall be answerable to Mines Manager or Installation Manager/Deputy Mines Manager as directed by Mines Manager to represent on his behalf.
b) Ensure an adequate inventory of equipment and materials is maintained on the drilling unit to carry out the work
c) He is responsible to maintain all documents related recycle

package including operating and maintenance records.

d) To record the intake and treated solid and liquid output.

e) To operate the Recycle Package with all equipment & process.

f) To ensure all type of maintenance and cleaning of equipment as per OEM.

1.5.1.5 LABORATORY TECHNICIAN

i) **CATEGORY**

Competent official as described in regulation (21), i.e., Appointment of officials and competent persons.

ii) **JOB SPECIFICATION**

Laboratory Technician is responsible for collecting data, testing the sample in the laboratory, giving advice to operator for necessary action and maintaining the equipment that does the work.

iii) **JOB RESPONSIBILTY**

a) He shall be answerable to Mines Manager or Installation Manager/Deputy Mines Manager as directed by Mines Manager to represent on his behalf.

b) To collect water samples and cutting samples from various water and waste water source/pit/tank.

c) To test in the laboratory as per contract under "Inspection and Testing".

d) To maintain, adjust, and clean laboratory equipment.

e) Analyse sample testing data and submit findings in the prescribed format.

f) He will perform additional test on the samples as per OIL's requirement, if warrant due to regulatory requirement or from the R&D prospective.

g) He is responsible to maintain all documents related laboratory including operating & maintenance records, chemical inventory & consumption record.

h) To ensure fortnightly test in the external laboratory as per contract under "Inspection and Testing".

i) He will assist in recycle package operation/oil skimming/waste disposal activity as and when required.

1.5.1.6 VCD PACKAGE OPERATOR

i) **CATEGORY**

Competent official as described in regulation (21), i.e. Appointment of officials and competent persons.

ii) **JOB SPECIFICATION**

His job is to operate the VCD package including all equipment and to ensure all deliverables under VCD package meets the contractual requirement.

iii) **JOB RESPONSIBILTY**

a) He shall be answerable to Mines Manager or Installation Manager/Deputy Mines Manager as directed by Mines Manager to represent on his behalf.
b) To operate the VCD package including all equipment.
c) To ensure all type of maintenance and cleaning of equipment as per OEM.
d) To ensure dry cutting are stoked piled in a designated area provided by OIL at site.
e) To coordinate packing of dry cuttings with bags transportation of dry cuttings to the designated area.
f) To coordinate packing of dry cuttings with bags for transportation.
g) To record operating and maintenance records including running hours of all key equipment/as advised by OIL.
h) To record the intake and treated solid and liquid output.

1.6 ELECTRICAL REQUIREMENT

1.6.1 POWER FOR THE UNIT:

i) Contractor shall supply electrical power from a single available feeder in the drilling site (details regarding configuration to be given in the tender). All arrangements, including cables, suitable plug & sockets etc. to receive the power by the rig contractor.
i) Required electrical power shall be provided from the contractor's dedicated power source (gen-set). Required materials likes cables, panel, DB, etc. should be provided by the contractor along with the contractor's gen-set for power supply arrangement to Waste Management Services Unit.
ii) Commissioning, testing and de-commissioning of electrical system for Waste Management Service Unit at site are in the scope of contractor.
iii) The voltage for light fittings inside the mine shall not exceed 250V (between phases) if neutral is connected to earth. Suitable capacity of lighting transformer shall be incorporated in the system. [Ref: CEA (Measures relating to safety and electric supply) Regulation 2010, regulationno.102 (ii)(b)].
iv) Appropriate sizing of the required Gen-Set may be worked out by the contractor as per load requirement of the VCD package (including area lighting). Make of Gen-Set shall be of any reputed brand that should be performing continuously without any failure during operation of the of pitless drilling system.
v) Contractor shall submit Single Line Diagram (SLD) showing major electrical equipment along with the bid. The same shall be displayed at site.
vi) Area Lighting along with materials for Waste Management Service Unit other than OIL's normal area lighting shall be provided and commissioned by contractor and the power for the same shall be fed from Contractor's gen-set.
vii) Technical catalogue of the Alternator (Generator) and other electrical equipment (motor, NGR, panel, light fitting, etc.) should be submitted to OIL along with the offer for scrutiny. Test report of the Alternator should also be submitted before commissioning the unit at site.
viii) The entire electrical installation job should be carried out as specified in the latest version of CEA (Measures relating to safety and electric supply) Regulations, 2010 and other relevant standards and precaution should be adopted in the Oil field as specified in the CEA (Measures relating to safety and electric supply) Regulations, 2010.

1.6.2 OTHER ELECTRICAL REQUIREMENT

i) All electrical equipment to be used in classified hazardous area as per schedule of OMR, 2017 (Regulations106, Classification of hazardous area)shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B (equivalent to NEC Class I, Group C & D) of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110].

ii) Motor, Terminal Box, Push Button switch and Double Compression Cable Gland shall be of flameproof construction (Type Ex-d), suitable for use in oilfield hazardous area, Zone-I and Gas group IIA & II B (equivalent to NEC Class I, Group C & D) and conform to IS/IEC 60079-1.

iii) If, during inspections by Statutory agencies / Government authorities or safety committees, any improvement, shortfall or defect in the WASTE MANAGEMENT SERVICE UNIT or its operation is identified, it shall be incumbent upon the contractor to implement the suggested measures immediately.

iv) Contractor shall maintain sufficient electrical spares on hand, to cover routine, normal maintenance requirement.

v) All body earthing connection must be with of GI strip. Single core copper cable should be used for neutral earthing of Alternator(in accordance with CEA Regulation, 2010)

vi) All power supply to Hazardous area lighting at the Waste Management Service Unit shall be from 230VAC phase to phase power supply, with the neutral /mid-point earthed, in accordance with CEA Regulation # 102 (ii) (b).

vii) Operation and Maintenance of Gen-set including other electrical equipment at site should be maintained on regular basis by person having valid supervisor competency certificate or workmen's permit.

viii) The neutral system should be such that, the earth faults current shall not be more than 750 mA in installations of voltage exceeding 250V and up to 1100V system for oil fields. The magnitude of the earth fault current shall be limited to the above value by employing suitable designed restricted neutral system (NGR) of power supply as per CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 100(1).

ix) All electrical equipment placed within 30 meter from the wellhead shall be FLP type. [Ref.: CEA (Measures relating to safety & electrical supply), regulation 2010, regulation no. 110 and Oil Mines Regulation, 2017, Regulation no.96].

x) All Electrical Cables used should be multi core flexible copper cables (armored or screened) of 1000 volts grade, EPR insulated, CSP/NBR sheathed. All electrical cables shall conform to the provisions stipulated in line with IS-9968-1 read. If the standard of a particular type of cable is not available in India, the cables must comply relevant International standards (IEC 502) with latest amendments. Ref. to DGMS Tech. Circular (Electrical), (Approval) No. 17 dated 25/05/2015.

xi) Wherever cable laying is required, shall be laid in proper cable trays. Earthing of cable trays shall be done adequately.

xii) All the outgoing feeder in the Main Distribution Board as well as Generator panel shall be provided with earth leakage protective device (ELCB/RCBO) so as to disconnect the supply instantly at the occurrence of earth fault or leakage of current. The maximum earth leakage threshold for tripping shall not exceed 100mA under any circumstances as per CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 42.

xiii) All the electrical equipment should be double earthed. The body and neutral earthing shall be separated and the neutral earthing shall be covered always. All metallic body having electrical equipment shall be earthed properly by two separate and distinct connections with suitable earthing strips. The earthing system shall be in accordance with CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 41 & 101.

xiv) Insulation mats shall be available in panel [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.19 (5)].

xv) All electrical equipment (motors, alternators, starters, PBS, distribution boards, switch boards, socket boards, gland etc.) shall be affixed permanently with Danger notices/ caution boards of appropriate voltage. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.18 and OISD 216(Annexure-4)].

xvi) Lockout and Tag out system shall be provided for electrical panel.

xvii) Tri-language Shock treatment chart should be displayed in the Gen-house or panel [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.28 (1) and OISD 216 (Annexure-2&4)].

1.7 CIVIL ENGINEERING REQUIREMENT:

Bidder to provide details of civil engineering requirement.

1.8 LABORATORY EQUIPMENT

The laboratory facility provided by contractor for Waste Management Service Unit should have the following instrument for daily test as and when required. The testing procedure should follow ASTM/BIS standard.

Table 5

Sl No	**Name of Instrument**	**Purpose**	**Quantity**
1	Multi-parameter meter		1
2	Nephelometer or Turbid meter	**Turbidity**	1
3	Digital Balance	Weight	1
4	pH Meter	pH	1
5	Hot Plate		1
6	Oven		1
7	Thermometer		1

8	Glassware like conical flask, burette, pipette, test tube		as per requirement
9	Reagents as per requirement		as per requirement

i) Contractor may use other equipment to test the parameter as per BIS/ASTM standard. However, bidder to submit detail of testing procedure and relevant BIS/ASTM standard.

ii) Calibration certificate of the equipment should be available with at site and submitted to OIL

iii) List of instrument should be displayed with make, instrument numbers, purpose/function, date of last calibration and calibration certificate numbers and due date as per OEM or statutory requirement which is the earlier.

iv) Requirement of multiple equipment can be replaced by a Multi-functional meter capable of performing of same test/function at per.

v) Contractor may test sample in TPI having approval of PCB/CPCB/NABL

1.9 PRESSURE RELIEF SYSTEM|VALVE | DEVICE|METER AND CALIBRATIONS

i) All vessels using pressurised fluid above atmospheric pressure must have automatic device to release the pressure in case of emergency or beyond operating pressure.

ii) The pressure relieving safety device shall be tested and calibrated at least once in a year and record of such test shall be maintained at the mine as per regulation 111(8).

iii) All measuring gadgets, meters and relief valves shall be calibrated at intervals specified by the manufacturers as per regulation 109(6).

1.10 PRESSURE GAUGES, SCALES AND FLOW METERS

i) Flow meters are to be fitted on all treated water lines, treated water delivery line various purpose (like cleaning, mud preparation or any other uses) and raw effluent suction line for monitoring quantities and supply lines of treated water.

ii) All the pressure gauges and flow meter must be of standard type having IS certification.

iii) OIL has right to inspect the gauges and for the purpose the gauges may be tested for proper calibration in OIL's own workshop.

iv) Minimum one number of spare flow meter, pressure gauge and other gadgets for each such equipment fitted in the unit should be kept readily available with the plant to replace in case of malfunction or calibration.

1.11 DESIGN & ACTIVITIES:

i) The contractor shall forward the necessary details indicating the activities of the each component of the offered VCD unit/Recycle Unit / Skimming unit for company's approval.

ii) The Contractor shall submit the plant layout along with operating manual of the offered VCD unit/Recycle Unit / Skimming unit for Company's approval.

iii) The Contractor shall forward the list of consumables required along with MSDS (Material Safety Data Sheet).

iv) The Contractor shall indicate the best time schedule for on-site erection and commissioning of the unit.

1.12 OPERATION & MAINTENANCE:

i) The operation and maintenance of the VCD unit/Recycle Unit / Skimming unit and accessories shall be Contractor's responsibility.

ii) Sufficient nos of spares shall be kept available by the Contractor for un-hindered operation of the unit.

iii) Record of maintenance of each critical component of the VCD unit/Recycle Unit / Skimming unit shall have to be maintained by the Contractor.

1.13 PAINTING AND LABEL

1.13.1 The entire unit shall be painted superior quality anti-corrosive good quality paint at the time of mobilisation. The painting preferable should follow the IS- for colour code.

1.13.2 All the equipment, piping, tanks and bunk houses are to be labelled legible indicating item name, manufacturer name, technical specification etc. for easy identification

1.14 INSPECTION & TESTING

1.14.1 The party should have the testing facility of all the parameters as per TABLE (5): "Acceptable Limit of Output" after treatment in Recycle Unit. However, if the party doesn't possess the required testing facilities of their own for fortnightly test, they have to perform the same in a NABL accredited laboratory/Govt laboratory.

1.14.2 OIL reserves right to cross-check the laboratory results of the party at any time in OIL's laboratories. In case of discrepancy, party has to retreat the output liquid to achieve the desired parameters.

Test Parameters and tentative Frequency of various tests are given in Table (5):

Table (5): Test Parameters and tentative Frequency

Sl. No	Parameters	Permissible Limit SPCB (Not to exceed)	Daily Testing at Site	Fortnightly Testing offsite by the Contractor
1	pH	5.5 -9.0	Yes	Yes
2	Temperature	40° C	Yes	Yes
3	Suspended Solids	100 mg/L	Yes	Yes

4	Oil & Grease	10 mg/L	Yes	Yes
5	Phenolics	1.2 mg/L		Yes
6	Cyanides	0.2 mg/L		Yes
7	Fluorides	1.5 mg/L		Yes
8	Sulphides	2.0 mg/L		Yes
9	Chromium (Hexa)	0.1 mg/L		Yes
10	Chromium (Total)	1.0 mg/L		Yes
11	Copper	0.2 mg/L		Yes
12	Lead	0.1 mg/L		Yes
13	Mercury	0.01 mg/L		Yes
14	Nickel	3.0 mg/L		Yes
15	Zinc	2.0 mg/L		Yes
16	BOD at 27° C for 3 days	30 mg/L		Yes
17	COD	100 mg/L		
18	Chlorides	600 mg/L	Yes	
19	Sulphates	1000 mg/L	Yes	
20	Total Dissolved Solids	2100 mg/L	Yes	
21	Percent Sodium	60 mg/L		Yes
22	Turbidity (RO)	10 NTU	Yes	

1.15 SUBMISSION OF DOCUMENTS

Following documents related to Technical Specifications of unit deployed at site shall be submitted by the contractor during mobilization of contract:

i) Flow diagram showing all piping system, pump, valves etc& P&IDs.
ii) Engineering drawing showing positioning of installed various equipment.
iii) Technical specification with OEM catalogue of all the items which will be installed, if available.
iv) Fabrication drawings & data of Tank.
v) Civil layout diagram for foundations and ancillary construction.
vi) PCBA permission / Consent to operate for Recycle facility
vii) Single line power flow diagram showing major equipment viz. Generators, NGR, Feeders, Motors, Starters etc.
viii) Earthing layout/ scheme showing double and distinct earth connections for each equipment along with numbering of earth electrodes.

1.16 COMMUNICATION PLAN:

i) All the competent personnel including officials are answerable to Manager of Mines Manager as per Regulations 21 of OMR, 2017.
ii) For emergency situation/incident reporting OIL's Emergency Response Plan (ERP) and Incident reporting guideline to be followed.

1.16.1 PROGRESS REPORTS

i) All reports must be of triplicate until specially ask for any deviation, original copy to be sent to IMs office, second copy at Rig office of MMC/IMs site office and third copy with the site office of contractor. In addition to above, a soft copy in excel format shall reach HSE Section of Drilling Services Department and IM of Drilling Location.

ii) Format for the reports to be prepared by contractor and approved by OIL or as per sample of OIL. Any suggestion on such record from OIL shall be incorporated.

iii) Shift wise daily Report which shall cover

- *a)* Summary of operation with time break-up
- *b)* Attendance of Manpower
- *c)* Electrical Report
- *d)* Chemical Report
- *e)* Laboratory Report

iv) Daily Waste Disposal Report
v) OIL skimming Report
vi) Weekly disposal report for information
vii) Daily/weekly/monthly Treated water consumption report
viii) Mud recovery report
ix) VCD Cutting separation report with tentative quantity.

1.16.2 TESTING REPORT

i) Fortnightly Cutting analysis Report as per CPCB per 100 meter or as advise by OIL.

ii) Fortnightly Report by third party laboratory accredited by NABL

PROFORMA-A

LIST OF ITEMS (Equipment, Tools, Accessories, Spares & consumable) TO BE IMPORTED INCONNECTION WITH EXECUTION OF THE CONTRACT

(PROFORMA-A SHOWING CIF VALUE TO BE UPLOADED IN PRICE BID)

Sl. No.	Item Description	Qty /Unit	Rate	Total	Freight & Insurance	CIF Value	Port & other charge	Landed Cost	Is it re-exportable? YES or NO	Year of Mfg.	HSN Code
A	B	C	D	E = C x D	F	G = F + E	H	I = G+H	J	K	L

(1) The items which are not of consumable in nature and required to be re-exported outside India after completion of the Contract should be indicated as "YES" in column "J".

(2) The items, which are of consumable in nature should be indicated as "NO" in column "J".

(3) For estimation of applicable customs duty, the bidders are required to indicate customs tariff code (i.e. HSN Code) of each item in column "L".

Authorised Person's Signature: _____
Name: _____

Seal of the Bidder:

PROFORMA-B

PRICED BID FORMAT

THE PRICE BID FORMAT IS ATTACHED UNDER "NOTES AND ATTACHMENTS" TAB OF THE OIL's E-TENDER PORTAL

PROFORMA-C

BID FORM

To
M/s. Oil India Limited,
P.O. Duliajan, Assam, India

Sub: IFB No. CDG1754P27 for Charter Hire of one number of 3000 HP Drilling Rig package in Assam and Arunachal Pradesh

Gentlemen,

Having examined the General and Special Conditions of Contract and the Terms of Reference including all attachments thereto, the receipt of which is hereby duly acknowledged, we the undersigned offer to perform the work/services in conformity with the said conditions of Contract and Terms of Reference for the sum quoted in the Price Bid Format or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to commence the work as per the terms & conditions set out in the subject tender.

If our Bid is accepted, we will submit the Performance Security Deposit as specified in the tender document for the due performance of the Contract.

We agree to abide by this Bid for a period of 120 days from the date of Bid Opening and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof in your notification of award shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this _____ day of _____ 2026.

Authorised Person's Signature: _____

Name: _____

Designation:_____

Seal of the Bidder:

PROFORMA-D

STATEMENT OF NON-COMPLIANCE

(Only exceptions/deviations to be rendered)

IFB NO. CDG1754P27 for Charter Hire of one number of 3000 HP Drilling Rig package in Assam and Arunachal Pradesh

1.0 The Bidder shall furnish detailed statement of **exceptions/ deviations,** if any, to the tender stipulations, terms and conditions in respect of each Section of Bid Document in the following format:

Section No.	Clause No. (Page No.)	Non-Compliance	Remarks

Authorised Person's Signature: _____

Name: _____

Designation:_____

Seal of the Bidder:

NOTE: OIL INDIA LIMITED expects the bidders to fully accept the terms and conditions of the bid document. However, should the bidders still envisage some exceptions/deviations to the terms and conditions of the bid document, the same should be indicated as per above format and submit along with their bids. If the "**Statement of Non-Compliance**" in the above Proforma is left blank (or not submitted along with the technical bid), then it would be construed that the bidder has not taken any exception/deviation to the IFB requirements.

PROFORMA-E

FORM OF BID SECURITY (BANK GUARANTEE)

To

M/s. OIL INDIA LIMITED,
CONTRACTS DEPARTMENT,
DULIAJAN, ASSAM, INDIA, PIN - 786602.

WHEREAS, _____(Name of Bidder) (hereinafter called "the Bidder") has submitted their offer Dated_____ for the provision of certain services (hereinafter called "the Bid") against OIL INDIA LIMITED, Duliajan, Assam, India (hereinafter called the Company)'s Tender No._____ KNOW ALL MEN BY these presents that we _____ (Name of Bank) of _____(Name of Country) having our registered office at_____(hereinafter called "Bank") are bound unto the Company in the sum of (*) for which payment well and truly to be made to Company, the Bank binds itself, its successors and assignees by these presents.

SEALED with the said Bank this _____day of _____20__.

THE CONDITIONS of these obligations are:

1. If the Bidder withdraws their Bid within its original/extended validity; or
2. The Bidder modifies/revises their bid suo moto; or
3. The Bidder does not accept the contract; or
4. The Bidder does not furnish Performance Security Deposit within the stipulated time as per tender/contract; or
5. If it is established that the Bidder has submitted fraudulent documents or has indulged into corrupt and fraudulent practice.

We undertake to pay to Company up to the above amount upon receipt of its first written demand (by way of letter/fax/cable), without Company having to substantiate its demand provided that in its demand Company will note that the amount claimed by it is due to it owing to the occurrence of any of the conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including the date (as mentioned in the forwarding letter and subsequent amendments, if any) and any demand in respect thereof should reach the Bank not later than the above date.

The details of the Issuing Bank and Controlling Bank are as under:

A. Issuing Bank:

BANK FAX NO:
BANK EMAIL ID:
BANK TELEPHONE NO.:
IFSC CODE OF THE BANK:

Contd.....P/2

B. Controlling Office:

Address of the Controlling Office of the BG issuing Bank:

Name of the Contract Person at the Controlling Office with Mobile No. and e-mail address:

Notwithstanding anything contained herein:

a) Our liability under this Bank Guarantee shall is restricted up to Rs.....
b) This guarantee shall be valid till .....
c) We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before ..... (Date of Expiry of BG PLUS one year claim period).
d) At the end of the claim period that is on or after ..... (Date of expiry of the Bank Guarantee Plus Minimum of 1 year claim period shall be stipulated) all your rights under this Guarantee shall stand extinguished and we shall be discharged from all our liabilities under this Guarantee irrespective of receipt of original Bank Guarantee duly discharged, by Bank.

Name of the Contact Person at the Controlling Office with Mobile No. and e-mail address:

a) SIGNATURE AND SEAL OF THE GUARANTORS_____
b) Designation_____
_
c) Name of the Bank_____
d) Address
_____

Note:

* The Bidder should insert the amount of the guarantee in words and figures.

** The Bank Guarantee issuing bank branch shall ensure the following:

a. The Bank Guarantee issued by the Bank must be routed through SFMS platform as per following details:

(i) MT 760 / MT 760 COV for issuance of Bank Guarantee

(ii) MT 760 / MT 767 COV for amendment of Bank Guarantee

The above message/intimation shall be sent through SFMS by the BG issuing Bank branch to **ICICI Bank, Duliajan Branch,** IFSC Code- ICIC0000213, Unique identifier code (Field 7037)- OIL503988890, Branch Address: ICICI Bank Ltd,

Kunja Bhavan, Daily Bazaar, Duliajan, Dibrugarh, Assam – 786602. The Bank details are as under.

Bank Guarantee issued by a Scheduled Bank in India at the request of some other Non-Scheduled Bank of India shall not be acceptable.

c. Further correspondence against BG towards Bid Security must contain the Tender Number.

PROFORMA-F

FORM OF PERFORMANCE BANK GUARANTEE

To:

M/s. Oil India Limited
Contracts Department
Duliajan, Assam - 786602

WHEREAS _____ (Name and address of Contractor) (hereinafter called "Contractor") had undertaken, in pursuance of Contract No. _____ to execute (Name of Contract and Brief Description of the Work) _____ (hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee as security for compliance with Contractor's obligations in accordance with the Contract.

AND WHEREAS we (May incorporate the Bank Name) have agreed to give the Contractor such a Bank Guarantee; NOW THEREFORE we hereby affirm that we are Guarantors on behalf of the Contractor, up to a total of (Amount of Guarantee in figures) _____ (in words_____), such amount being payable in the types and proportions of currencies in which the Contract price is payable, and we undertake to pay you, upon your first written demand and without cavil or arguments, any sum or sums within the limits of guarantee sum as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein. We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or the work to be performed thereunder or of any of the Contract documents which may be made between you and the Contractor shall in any way cease us from any liability under this guarantee, and we hereby waive notice of such change, addition or modification.

This guarantee is valid until the ----------day of ----------

The details of the Issuing Bank and Controlling Bank are as under:

A. Issuing Bank:
BANK FAX NO:
BANK EMAIL ID:
BANK TELEPHONE NO.:
IFSC CODE OF THE BANK:

B. Controlling Office:
Address of the Controlling Office of the BG issuing Bank:
Name of the Contact Person at the Controlling Office with Mobile No. and e-mail address:

Notwithstanding anything contained herein:

a) Our liability under this Bank Guarantee shall is restricted up to Rs._____

b) This guarantee shall be valid till ……

c) We are liable to pay the guarantee amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before ……(Date of Expiry of BG PLUS one year claim period).

d) At the end of the claim period that is on or after ……. (Date of expiry of the Bank Guarantee Plus Minimum of 1 year claim period shall be stipulated) all your rights under this Guarantee shall stand extinguished and we shall be discharged from all our liabilities under this Guarantee irrespective of receipt of original Bank Guarantee duly discharged, by Bank.

SIGNATURE AND SEAL OF THE GUARANTORS _____
Designation: _____
Name of Bank: _____
Address: _____

Witness: _____
Address: _____
_____

Date:_____
Place: _____

Note:

The Bank Guarantee issuing bank branch shall ensure the following:

a. The Bank Guarantee issued by the Bank must be routed through SFMS platform as per following details:

(i) MT 760 / MT 760 COV for issuance of Bank Guarantee
(ii) MT 760 / MT 767 COV for amendment of Bank Guarantee

The above message / intimation shall be sent through SFMS (indicating the Contract No.) by the BG issuing Bank branch to **ICICI Bank, Duliajan Branch**, IFSC Code – ICIC0000213; SWIFT Code - ICICINBBXXX. Branch Address: ICICI Bank Limited, Duliajan Branch, Kunja Bhavan, Daily Bazaar, Duliajan, Dibrugarh, Assam-786602.

b. Bank Guarantee issued by a Scheduled Bank in India at the request of some other Non-Scheduled Bank of India shall not be acceptable.

c. Further correspondence against BG towards Performance Security must contain the Contract Number.

PROFORMA-G

AGREEMENT FORM

This Agreement is made on ____ day of _____ between Oil India Limited, a Government of India Enterprise, incorporated under the Companies Act 1956, having its registered office at Duliajan in the State of Assam, hereinafter called the "Company" which expression unless repugnant to the context shall include executors, administrators and assignees on the one part, and M/s _____ (Name and address of Contractor) hereinafter called the "Contractor" which expression unless repugnant to the context shall include executors, administrators and assignees on the other part,

WHEREAS the Company desires that Services _____ (brief description of services) should be provided by the Contractor as detailed hereinafter or as Company may requires;

WHEREAS, Contractor engaged themselves in the business of offering such services represents that they have adequate resources and equipment, material etc. in good working order and fully trained personnel capable of efficiently undertaking the operations and is ready, willing and able to carry out the said services for the Company as per Section-II attached herewith for this purpose; and

WHEREAS, Company had issued a firm Letter of Award No. _____ dated _____ based on Offer No. _____ dated _____ submitted by the Contractor against Company's IFB No. _____ and the Contractor accepted the same vide Letter No. _____ dated _____ .

WHEREAS, the Contractor has furnished to Company the performance security in the form of DD/BC/BG for Rs. _____ (being 3% of Total Contract value) with validity of 90 (Ninety) days beyond the defect liability/contract period.

All these aforesaid documents shall be deemed to form and be read and construed as part of this agreement/contract. However, should there be any dispute arising out of interpretation of this contract in regard to the terms and conditions with those mentioned in Company's tender document and subsequent letters including the Letter of Intent and Contractor's offer and their subsequent letters, the terms and conditions attached hereto shall prevail. Changes, additions or deletions to the terms of the contract shall be authorized solely by an amendment to the contract executed in the same manner as this contract.

NOW WHEREAS, in consideration of the mutual covenants and agreements hereinafter contained, it is hereby agreed as follows -

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2. In addition to documents herein above, the following Sections and Annexures attached herewith shall be deemed to form and be read and construed as part of this agreement viz.:

(a) Section-I indicating the General Conditions of this Contract;
(b) Section-II indicating the Terms of Reference;
(c) Section-III indicating the Special Conditions of Contract;
(d) Section-IV indicating the Schedule of Rates.

(e) Section-V indicating Safety Measures

3. In consideration of the payments to be made by the Company to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Company to provide the Services and to remedy defects therein in conformity in all respect with the provisions of this Contract.

4. The Company hereby covenants to pay the Contractor in consideration of the provision of the Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of this Contract at the times and in the manner prescribed by this Contract.

IN WITNESS thereof, each party has executed this contract at Duliajan, Assam as of the date shown above.

Signed, Sealed and Delivered,

For and on behalf of Company (Oil India Limited)	for and on behalf of Contractor (M/s. _____)
Name:	Name:
Status:	Status:
In presence of	In presence of
1.	1.
2.	2.

PROFORMA–H

PROFORMA LETTER OF AUTHORITY

TO
CGM- CONTRACTS (HoD)
Contracts Department
P.O. DULIAJAN PIN-786602
Dist. Dibrugarh, Assam
India

Dear Sir,

Sub: OIL's IFB No. CDG1754P27 for Charter Hire of one number of 3000 HP Drilling Rig package in Assam and Arunachal Pradesh

We _____of _____ confirm that Mr. _____ (Name and address) is authorised to represent us to Bid, negotiate and conclude the agreement on our behalf with you against **CDG1754P27 for Charter Hire of one number of 3000 HP Drilling Rig package in Assam and Arunachal Pradesh** for any commercial/Legal purpose etc.

We confirm that we shall be bound by all and whatsoever our said representative shall commit.

Authorised Person's Signature: _____

Name: _____

Designation: _____

Yours faithfully,

Signature:

Name & Designation _____

For & on behalf of _____

Note: This letter of authority shall be on printed letter head of the Bidder and shall be signed by a person competent and having the power of attorney (power of attorney shall be annexed) to bind such Bidder.

PROFORMA–I

PROFORMA LETTER OF AUTHORISATION FOR ATTENDING BID OPENING

TO
CGM- CONTRACTS (HoD)
OIL INDIA LIMITED
P.O. DULIAJAN-786602
Assam, India

Sir,

Sub: OIL's CDG1754P27 for Charter Hire of one number of 3000 HP Drilling Rig package in Assam and Arunachal Pradesh

I/We _____ confirm that Mr. _____ (Name and address) as authorised to represent us during bid opening on our behalf with you against IFB No. **CDG1754P27 for Charter Hire of one number of 3000 HP Drilling Rig package in Assam and Arunachal Pradesh**

Yours Faithfully,

Authorised Person's Signature: _____

Name: _____

Signature of Bidder: _____

Name: _____

Date: _____

Note: This letter of authority shall be on printed letter head of the Bidder and shall be signed by a person who signs the bid.

&&&&&&&&&

PROFORMA–J

Format of undertaking by Bidders towards submission of authentic information/documents (To be typed on the letter head of the bidder)

Ref. No._____ Date _____

To,
CGM-CONTRACTS
OIL INDIA LIMITED
DULIAJAN-786602

Sub: Undertaking of authenticity of information/documents submitted

Ref: Your tender No. CDG1754P27 dated _____

Sir,

With reference to our quotation against your above-referred tender, we hereby undertake that no fraudulent information/documents have been submitted by us.

We take full responsibility for the submission of authentic information/documents against the above cited bid.

We also agree that, during any stage of the tender/contract agreement, in case any of the information/documents submitted by us are found to be false/forged/ fraudulent, OIL has right to reject our bid at any stage including forfeiture of our EMD and/or PBG and/or cancel the award of contract and/or carry out any other penal action on us, as deemed fit.

Yours faithfully,

For (type name of the firm here)

Signature of Authorised Signatory

Name:

Designation:

Phone No.

Place:

Date:

(Affix Seal of the Organization here, if applicable)

ANNEXURE-J

CERTIFICATE OF ANNUAL TURNOVER & NET WORTH

TO BE ISSUED BY PRACTISING **CHARTERED ACCOUNTANTS' FIRM** ON THEIR LETTER HEAD

TO WHOM IT MAY CONCERN

This is to certify that the following financial positions extracted from the audited financial statements of M/s ..... (Name of the Bidder) for the last 03 (Three) completed accounting years upto.....**(as the case may be)** are correct.

YEAR	**TURN OVER** In INR	**NET WORTH** In INR

Annual Financial Turnover of the bidder from operations shall mean: "Aggregate value of the realization of amount made from the sale, supply or distribution of goods or on account of services rendered, or both, by the company (bidder) during a financial year" as per the Companies Act, 2013 Section 2 (91).

Net worth shall mean: "Share capital + Reserves created out of profits and securities Premium – Aggregate value of accumulated losses (excluding revaluation reserves) – deferred expenditure – Miscellaneous Expenditure to the extent not written off and carried forward Loss - Reserves created out of write back of depreciation and amalgamation"

Place:
Date:
Seal:

Membership Number: Signature

Registration No.:

UDIN:

PROFORMA-T

(TO BE EXECUTED BY THE AUTHORIZED SIGNATORY OF THE BIDDER ON THE OFFICIAL LETTER HEAD OF THE BIDDER)

Certificate of Compliance of FINANCIAL CRITERIA:

Ref : Note 'b' under Clause 4.5 of Financial Criteria of BEC of Tender No.

I ..... the authorized signatory(s) of ..... (Company or firm name with address) do hereby solemnly affirm and declare / undertake as under:

The balance sheet/Financial Statements for the financial year _____ (as the case may be) has actually not been audited as on the Original Bid Closing Date.

Yours faithfully,

For (type name of the firm here)

Signature of Authorized Signatory

Name:

Designation:

Phone No.

Place:

Date:

(Affix Seal of the Organization here, if applicable)

Note: This certificate is to be issued only considering the time required for preparation of Financial Statements i.e. if the last date of preceding financial / accounting year falls within the preceding six months reckoned from the original bid closing date/within the due date for furnishing of audit report as per Section 139(1) of IT Act, 1961 (read along with latest circulars/notifications issued by CBDT from time to time)

PROFORMA-M

INTEGRITY PACT

Between

Oil India Limited (OIL) hereinafter referred to as "The Principal"

And

(Name of the bidder).....hereinafter referred to as "The Bidder"

Preamble:

The Principal intends to award, under laid down organizational procedures, contract/s for **Charter Hire of one (01) number of 3000 HP Drilling Rig Package in Assam and Arunachal Pradesh**. The Principal values full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder/s.

In order to achieve these goals, the Principal cooperates with the renowned international Non-Governmental Organization "Transparency International" (TI). Following TI's national and international experience, the Principal will appoint an external independent Monitor who will monitor the tender process for compliance with the principles mentioned above.

Section: 1 -Commitments of the Principal

(1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:

(i) No employee of the Principal, personally or through family members, will in connection with the tender for, or during execution of a contract, demand, take a promise for or accept, for him/herself or third person, any material or immaterial benefit which he/she is not legally entitled to.

(ii) The Principal will, during the tender process treat all Bidders with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidders the same information and will not provide to any Bidder confidential/additional information through which the Bidder could obtain an advantage in relation to the tender process.

(iii) The Principal will exclude from the process all known prejudiced persons.

(2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the relevant Anti-Corruption Laws of India, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officers and in addition can initiate disciplinary actions.

Section: 2 -Commitments of the Bidder/Contractor

(1) The Bidder commits itself to take all measures necessary to prevent corruption. During his participation in the tender process, the Bidder commits himself to observe the following principles:

(i) The Bidder will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or immaterial benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during subsequent contract execution, if awarded.

(ii) The Bidder will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, Subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

(iii) The Bidder (s) will not commit any offence under the relevant Anticorruption Laws of India, further, the Bidder (s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

(iv) The Bidder will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

(v) Bidders to disclose any transgressions with any other public/government organization that may impinge on the anti-corruption principle. The date of such transgression, for the purpose of disclosure by the bidders in this regard, would be the date on which cognizance of the said transgression was taken by the competent authority. The period for which such transgressions (s) is/are to be reported by the bidders shall be the last **three years** to be reckoned from date of bid submission. The transgression (s), for which cognizance was taken even before the said period of three years, but are pending conclusion, shall also be reported by the bidders.

(vi) The Bidder (s) of foreign origin shall disclose the name and address of the Agents/ representatives in India, if any. Similarly, the Bidder (s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further, all the payments made to the Indian agent/ representative have to be in India Rupees only.

(vii) Bidders not to pass any information provided by Principal as part of business relationship to others and not to commit any offence under PC/ IPC Act;

(2) The Bidder will not instigate third persons to commit offences outlined above or be an accessory to such offences.

(3) The Bidder signing Integrity Pact shall not approach the Courts while representing the matters to IEMs and he/she will await their decision in the matter.

Section 3 -Disqualification from tender process and exclusion from future Contracts

If the Bidder, before contract award has committed a transgression through a violation of Section 2 or in any other form such as to put his reliability or risibility as Bidder into question, the Principal is entitled to disqualify the Bidder from the tender process for such reason.

1. If the Bidder has committed a transgression through a violation of Section 2 such as to put his reliability or credibility into question, the Principal is entitled also to exclude the Bidder from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the circumstances of the case, in particular the number of transgressions, the position of the transgressions within the company hierarchy of the Bidder and the amount of the damage. The exclusion will be imposed for a minimum of 6 months and maximum of 2 years.

2. The Bidder accepts and undertakes to respect and uphold the Principal's Absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision to resort to such exclusion is taken. This undertaking is given freely and after obtaining independent legal advice.

3. If the Bidder can prove that he has restored/recouped the Damage caused by him and has installed a suitable corruption prevention system, the Principal may revoke the exclusion prematurely.

4. A transgression is considered to have occurred if in light of available evidence no reasonable doubt is possible.

5. Integrity Pact, in respect of a particular contract, shall be operative from the date Integrity Pact is signed by both the parties or as mentioned in Section 9-Pact Duration whichever is later. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings.

Section 4 -Compensation for Damages

(1) If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover from the Bidder liquidated damages equivalent to Earnest Money Deposit / Bid Security.

(2) The bidder agrees and undertakes to pay the said amounts without protest or demur subject only to condition that if the Bidder can prove and establish that the exclusion of the Bidder from the tender process has caused no damage or less damage than the amount or the liquidated damages, the Bidder shall compensate the Principal only to the extent of the damage in the amount proved.

Section 5 -Previous transgression

(1) The Bidder declares that no previous transgression occurred in the last 3 years with any other company in any country conforming to the TI approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.

(2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process for such reason.

Section: 6 -Equal treatment of all Bidders/Contractor/Subcontractors

(1) The Principal will enter into Pacts on identical terms with all bidders and contractors.

(2) The Bidder undertake(s) to procure from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder shall be responsible for any violation(s) of the provisions laid down in this agreement/Pact by any of its sub-contractors/sub-vendors.

(3) The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section: 7 -Criminal charges against violating Bidders/Contractors/ Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor, which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section: 8 -External Independent Monitor/Monitors

(1) The Principal appoints competent and credible Independent External Monitor (IEM) for this Pact.

(2) The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the Chairperson of the Board of the Principal.

(3) The Bidder accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Bidder. The Bidder will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder/Contractor/Subcontractor with confidentiality.

(4) The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Bidder. The parties offer the Monitor the option to participate in such meetings.

(5) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or heal the violation, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action. However, the Independent External Monitor shall give an opportunity to the bidder to present its case before making its recommendations to the Principal.

(6) The Monitor will submit a written report to the Chairperson of the Board of the Principal within 8 to 10 weeks from the date of reference or intimation to him by the

'Principal' and, should the occasion arise, submit proposals for correcting problematic situations.

(7) If the Monitor has reported to the Chairperson of the Board a Substantiated suspicion of an offence under relevant Anti-Corruption Laws of India, and the Chairperson has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.

(8) The word 'Monitor' would include both singular and plural.

(9) In case of any complaints referred under IP Program, the role of IEMs is advisory and the advice of IEM is non-binding on the Organization. However, as IEMs are invariably persons with rich experience who have retired as senior functionaries of the government, their advice would help in proper implementation of the IP.

Section:9 -Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the respective contract, and for all other Bidders 6 months after the contract has been awarded.

If any claim is made/ lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/determined by Chairperson of the Principal.

Section:10 -Other provisions

(1) This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal. The Arbitration clause provided in the main tender document / contract shall not be applicable for any issue / dispute arising under Integrity Pact.

(2) Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

(3) In case of a joint venture, all the partners of the joint venture should sign the Integrity Pact. In case of sub-contracting, the principal contractor shall be solely responsible for the adherence to the provisions of IP by the sub-contractor (s).

(4) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intensions.

..... **For the Principal** Date : Place :	**.....** **For the Bidder/Contractor** Witness 1: ..... Witness 2: .....

(Note: Uploading in the OIL's E-portal with digital signature will be construed that the same has been signed by the bidder's authorized signatory who has signed the bid).

&&&&&

PROFORMA-F1: UNDERTAKING TOWARDS SUBMISSION OF BANK GUARANTEE

To,
Oil India Limited
Contracts Department
Duliajan, Assam –786 602

We, M/s……are submitting the performance security in favour of Oil India Limited, Duliajan in the form of bank guarantee bearing Reference No. …… for an amount of INR/USD/EUR…… valid up to …… as per terms and conditions of Tender/Contract No……

BG issuing bank details:

Bank Branch IFS Code	
Contact Details E-mail Addresses	Mobile Telephone Fax
Correspondence Address H No/Street/City	State Country Pin Code

Declaration:

We have arranged to send the confirmation of issuance of the bank guarantee via SFMS portal through our bank using the details mentioned in the tender and hereby confirming the correctness of the details mentioned.

Authorised Signature_____
Name _____
Vendor Code_____
Email ID _____
Mobile No _____

Encl: Original bank guarantee

PROFORMA-N

FORMAT OF AGREEMENT BETWEEN BIDDER AND THEIR PARENT COMPANY/SUBSIDIARY COMPANY/SISTER-SUBSIDIARY/CO-SUBSIDIARY/ MEMBER OF SAME NETWORK OR MEMBER OF SAME GLOBAL FIRM *(As the case may be)*

(**TO BE EXECUTED ON STAMP PAPER OF REQUISITE VALUE AND NOTORISED**)

This agreement made this ___ day of ____ month ____ year by and between M/s _____ (Fill in the Bidder's full name, constitution and registered office address) hereinafter referred to as bidder on the first part and M/s. _____ (Fill in full name, constitution and registered office address of Parent Company/Subsidiary Company) hereinafter referred to as "Parent Company/Subsidiary Company/Sister-Subsidiary/Co-Subsidiary/Member of same network or Member of same global firm (Delete whichever not applicable)" of the other part:

WHEREAS

M/s. Oil India Limited (hereinafter referred to as OIL) has invited offers vide their tender No. _____ for _____ and M/s _____(Bidder) intends to bid against the said tender and desires to have technical support of M/s_____[Parent Company/Subsidiary Company - (Delete whichever not applicable)] and whereas Parent Company/Subsidiary Company (Delete whichever not applicable) represents that they have gone through and understood the requirements of subject tender and are capable and committed to provide the services as required by the bidder for successful execution of the contract, if awarded to the bidder.

Now, it is hereby agreed to by and between the parties as follows:

1. M/s._____(Bidder) will submit an offer to OIL for the full scope of work as envisaged in the tender document as a main bidder and liaise with OIL directly for any clarifications etc. in this context.

2. M/s. _____ (Parent Company/Subsidiary Company (Delete whichever not applicable) undertakes to provide technical support and expertise, expert manpower and procurement assistance and project management to support the bidder to discharge its obligations as per the Scope of work of the tender/ Contract for which offer has been made by the Parent Company/Subsidiary Company (Delete whichever not applicable) and accepted by the bidder.

3. This agreement will remain valid till validity of bidder's offer to OIL including extension if any and till satisfactory performance of the contract in the event the contract is awarded by OIL to the bidder.

4. It is further agreed that for the performance of work during contract period bidder and Parent Company/Subsidiary Company (Delete whichever not applicable) shall be jointly and severely responsible to OIL for satisfactory execution of the contract.

5. However, the bidder shall have the overall responsibility of satisfactory execution of the contract awarded by OIL.

In witness whereof the parties hereto have executed this agreement on the date mentioned above.

For and on behalf of (Bidder)	For and on behalf of (Parent Company/Subsidiary Company (Delete whichever not applicable)
M/s. Witness:	M/s. Witness: 1) 1) 2) 2)

PROFORMA-O

PARENT COMPANY/SUBSIDIARY COMPANY GUARANTEE *(Delete whichever not applicable)*

(**TO BE EXECUTED ON STAMP PAPER OF REQUISITE VALUE AND NOTORISED**)

DEED OF GUARANTEE

THIS DEED OF GUARANTEE executed at ……. this …….. day of …….. by M/s …….. (mention complete name) a company duly organized and existing under the laws of …….. (insert jurisdiction/country), having its Registered Office at …….. hereinafter called "the Guarantor" which expression shall, unless excluded by or repugnant to the subject or context thereof, be deemed to include its successors and permitted assigns.

WHEREAS

M/s Oil India Limited, a company duly registered under the Companies Act 1956, having its Registered Office at Duliajan in the State of Assam, India, hereinafter called "OIL" which expression shall unless excluded by or repugnant to the context thereof, be deemed to include its successor and assigns, invited tender number …… for …….. on ……. M/s …….. (mention complete name), a company duly organized and existing under the laws of …….. (insert jurisdiction/country), having its Registered Office at …….. (give complete address) hereinafter called "the Company" which expression shall, unless excluded by or repugnant to the subject or context thereof, be deemed to include its successor and permitted assigns, have, in response to the above mentioned tender invited by OIL, submitted their bid number …….. to OIL with one of the condition that the Company shall arrange a guarantee from its parent company guaranteeing due and satisfactory performance of the work covered under the said tender including any change therein as may be deemed appropriate by OIL at any stage. The Guarantor represents that they have gone through and understood the requirement of the above said tender and are capable of and committed to provide technical and such other supports as may be required by the Company for successful execution of the same.

The Company and the Guarantor have entered into an agreement dated …….. as per which the Guarantor shall be providing technical and such other supports as may be necessary for performance of the work relating to the said tender.

Accordingly, at the request of the Company and in consideration of and as a requirement for OIL to enter into agreement(s) with the Company, the Guarantor hereby agrees to give this guarantee and undertakes as follows:

1. The Guarantor (Parent Company/ ***Subsidiary Company (Delete whichever not applicable***) unconditionally agrees that in case of non-performance by the Company of any of its obligations in any respect, the Guarantor shall, immediately on receipt of notice of demand by OIL, take up the job without any demur or objection, in continuation and without loss of time and without any cost to OIL and duly perform the obligations of the Company to the satisfaction of OIL.

2. The Guarantor agrees that the Guarantee herein contained shall remain valid and enforceable till the satisfactory execution and completion of the work (including discharge of the warranty obligations) awarded to the Company.

3. The Guarantor shall be jointly with the Company as also severally responsible for satisfactory performance of the contract entered between the Company and OIL.

4. The liability of the Guarantor, under the Guarantee, is limited to the 50% of the annualized contract price entered between the Company and OIL. This will, however, be in addition to the forfeiture of the Performance Guarantee furnished by the Company.

5. The Guarantor represents that this Guarantee has been issued after due observance of the appropriate laws in force in India. The Guarantor hereby undertakes that the Guarantor shall obtain and maintain in full force and effect all the governmental and other approvals and consents that are necessary and do all other acts and things necessary or desirable in connection therewith or for the due performance of the Guarantor's obligations hereunder.

6. The Guarantor also agrees that this Guarantee shall be governed and construed in accordance with the laws in force in India and subject to the exclusive jurisdiction of the courts of ……., India.

7. The Guarantor hereby declares and represents that this Guarantee has been given without any undue influence or coercion, and that the Guarantor has fully understood the implications of the same.

8. The Guarantor represents and confirms that the Guarantor has the legal capacity, power and authority to issue this Guarantee and that giving of this Guarantee and the performance and observations of the obligations hereunder do not contravene any existing laws.

For & on behalf of (Parent Company/Subsidiary Company (Delete whichever not applicable))

M/s _____

Signature_____

Name:_____

Designation:_____

Common seal of the Company:_____

Witness:

1. Signature _____
   Full Name _____
   Address _____

Witness:

2. Signature _____
   Full Name _____
   Address _____

PROFORMA-Q

FORMAT OF AGREEMENT BETWEEN BIDDER, THEIR SISTER SUBSIDIARY/CO-SUBSIDIARY COMPANY AND THE ULTIMATE PARENT/HOLDING COMPANY OF BOTH THE BIDDER AND THE SISTER SUBSIDIARY/CO-SUBSIDIARY (Strike out whichever is not applicable between Ultimate Parent and Holding Company. Similarly strike out whichever is not applicable between Sister Subsidiary and Co-subsidiary Company)

(IN CASE OF INDIAN BIDDER TO BE EXECUTED ON STAMP PAPER OF REQUISITE VALUE AND NOTORISED)

This agreement made this ___ day of ____ month ____ year by and between M/s. _____ (Fill in Bidder's full name, constitution and registered office address) _____ hereinafter referred to as "Bidder" of the first part and M/s. _____ (Fill in full name, constitution and registered office address of Sister Subsidiary/Co-subsidiary Company of the Bidder) herein after referred to as "Sister Subsidiary/ Co-subsidiary" of the second part and M/s_____(Fill in the full name, constitution and registered office address of the Ultimate Parent/Holding Company's of both the subsidiaries) hereinafter referred to as "Ultimate Parent/ Holding Company" of the third part.

WHEREAS

M/s. Oil India Limited (hereinafter referred to as OIL) has invited offers vide their tender No. _____ for _____ and M/s. _____(Bidder) intends to bid against the said tender and desires to have a technical support of M/s. _____(Sister Subsidiary/Co-subsidiary Company) and Sister Subsidiary/Co-subsidiary Company represents that they have gone through and understood the requirements of subject tender and are capable and committed to provide the services as required by the bidder for successful execution of the contract, if awarded to the bidder.

Now, it is hereby agreed to by and between all the three parties as follows:

1. M/s._____(Bidder) will submit an offer to OIL for the full scope of work as envisaged in the tender document.

2. M/s. _____(Sister Subsidiary/Co-subsidiary Company) undertakes to provide technical support and expertise and expert manpower, material, if any, to support the bidder to discharge its obligations as per the Scope of work of the tender / Contract for which offer has been made by the bidder.

3. This agreement will remain valid till validity of bidder's offer to OIL including extension if any and also till satisfactory performance of the contract in the event the bid is accepted and contract is awarded by OIL to the bidder.

4. Sister Subsidiary/ Co-subsidiary Company unconditionally agrees that in case of award of contract to the Bidder, if the Bidder is unable to execute the contract, they shall, immediately on receipt of notice by OIL, take up the job without any demur or objection, in continuation without loss of time and without any extra cost to OIL and duly perform the obligations of the Bidder/Contractor to the satisfaction of OIL.

5. The Ultimate Parent/Holding Company also confirms and undertakes that the commitment made by the Sister Subsidiary/ Co-subsidiary company in providing

the technical support and technical expertise and expert manpower to support the bidder for execution of the contract are honoured.

6. The Ultimate Parent/Holding Company also takes full responsibility in getting the contract executed through the Sister subsidiary/ Co-subsidiary company in case the Bidder/Contractor is unable to execute the contract.

7. In witness whereof the parties hereto have executed this agreement on the date mentioned above.

For and on behalf of (Bidder)	For and on behalf of (Sister Subsidiary/ Co-subsidiary)	For and on behalf of (Ultimate Parent / Holding Company)
M/s.	M/s.	M/s.
Witness	Witness	Witness
1)	1)	1)
2)	2)	2)

Note: In case of contracts involving - (a) manufacture/supply (b) installation and commissioning (c) servicing and maintenance of any equipment, as the bidding company can draw on the experience of their multiple subsidiary sister/Co-subsidiary company (ies) specializing in each sphere of activity, i.e. (a) manufacture/supply (b) installation and commissioning (c) servicing and maintenance, therefore, in that case, the above format shall be signed by all the sister/Co-subsidiary company(ies) and necessary modifications may be made in the above format to include all sister subsidiaries.

PROFORMA–XIX

FORM OF PERFORMANCE BANK GUARANTEE BY SUPPORTING COMPANY

To
M/s OIL INDIA LIMITED (OIL)
CONTRACTS DEPARTMENT
DULIAJAN, ASSAM, INDIA, PIN-786602

WHEREAS _____ (Name and address of Contractor) (hereinafter called "Contractor", which expression shall, unless repugnant to the context or meaning thereof include all its successors, administrators, executors and assignees) had undertaken, in pursuance of Contract No. _____ to execute ----------(Brief Description of the Work)(hereinafter called "the Contract").

Further, M/s _____ (Name of the ultimate parent) having its registered/head office at _____ is the "**Ultimate Parent**" of "**Supporting Company**" M/s.....(Name of the supporting company with address)/M/s.....(Name of the Contractor with address, in case experience is taken from the ultimate parent) (hereinafter referred to as the 'SUPPORTING COMPANY'/ "ULTIMATE PARENT", which expression shall, unless repugnant to the context or meaning thereof include all its successors, administrators, executors and assignees). Based on the experience/technical strength of the **"Supporting Company"/ "Ultimate Parent"** (whichever is applicable), the CONTRACTOR has qualified for award of contract and has agreed to provide complete technical and other support to the CONTRACTOR for successful completion of the contract as mentioned above, entered between OIL and the CONTRACTOR and OIL having agreed that the **"ULTIMATE PARENT/SUPPORTING COMPANY"**, shall furnish to OIL a performance guarantee for Indian Rupees/US$ ..... towards providing complete technical and other support to the CONTRACTOR for successful completion of the contract as mentioned above,

AND WHEREAS we have agreed to give the **"ULTIMATE PARENT/SUPPORTING COMPANY"**, such a Bank Guarantee; NOW THEREFORE we hereby affirm that we are Guarantors on behalf of the **"ULTIMATE PARENT/SUPPORTING COMPANY"**, up to a total of (Amount of Guarantee in figures) _____ (in words _____), such amount being payable in the types and proportions of currencies in which the Contract price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of guarantee sum as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein. We hereby waive the necessity of your demanding the said debt from the Contractor / **ULTIMATE PARENT/SUPPORTING COMPANY** before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or the work to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way cease us from any liability under this guarantee, and we hereby waive notice of such change, addition or modification.

This guarantee is valid until the _____day of _____.

The details of the Issuing Bank and Controlling Bank are as under:

A. Issuing Bank:

   BANK FAX NO:

   BANK EMAIL ID:

   BANK TELEPHONE NO:

   IFSC CODE OF THE BANK:

B. Controlling Office:

   Address of the Controlling Office of the BG issuing Bank:
   Name of the Contact Person at the Controlling Office with Mobile No. and e-mail address:

SIGNATURE AND SEAL OF THE GUARANTORS _____

Designation _____

Name of Bank _____

Address _____

Witness _____

Address _____

_____

Date: _____

Place: _____

Note:

The Bank Guarantee issuing bank branch shall ensure the following:

a. The Bank Guarantee issued by the bank shall be routed through SFMS platform as per the following details:
    i) "MT 760/MT 760 COV" for issuance of bank guarantee.
    ii) "MT 760/MT 767 COV" for amendment of bank guarantee.

Note: The above message/intimation shall be sent through SFMS by the BG issuing bank branch to ICICI BANK LTD., Duliajan Branch; IFS Code – ICIC0000213; SWIFT Code – ICICINBBXXX; Branch Address: Kunja Bhavan, Daily Bazaar, Duliajan, Dibrugarh, Assam – 786602.

b. Bank Guarantee issued by a Scheduled Bank in India at the request of some other Non-Scheduled Bank of India shall not be acceptable.

PROFORMA-XX

DECLARATION FORMAT

(as per BEC Clause No. 3.1.3 E. c.)

[On Bidder's Letter Head]

To,

M/s OIL INDIA LIMITED,
CONTRACTS DEPARTMENT,
DULIAJAN, ASSAM, INDIA, PIN-786602

Dear Sir,

This has reference to your Tender No. **CDG1754P27** Dated ..... 20___ on the subject .....

We.....(Name of the Company) confirm that we will engage/deploy the services including the key personnel of the Subsidiary/Parent /Sister Subsidiary/Co-subsidiary company experience (strike out whichever is not applicable) on whose strength we are meeting the tender's Technical requirement as per the tender qualifying criteria.

Signature

(Name & Designation of Authorized person)

PROFORMA-JVCG

JOINT VENTURE COMPANY'S CORPORATE GUARANTEE TOWARDS FINANCIAL STANDING

(TO BE EXECUTED ON COMPANY'S LETTER HEAD)

DEED OF GUARANTEE

THIS DEED OF GUARANTEE executed at ……. this …….. day of …….. by M/s …… [Name of JV member with more than 50% stake] a company duly organized and existing under the laws of …… (insert jurisdiction/country), having its Registered Office at …… hereinafter called "the Guarantor" which expression shall, unless excluded by or repugnant to the subject or context thereof, be deemed to include its successors and permitted assigns.

WHEREAS

M/s. Oil India Limited (hereinafter referred to as OIL) has invited offers vide their Tender No. _____ for _____ and M/s _____[Name of the incorporated Joint Venture Company] intends to bid against the said tender based on the financial strength of M/s _____ [Complete Name of JV member with more than 50% stake] and whereas M/s _____ [Complete Name of JV member with more than 50% stake] represents that they have gone through and understood the requirements of subject tender and are capable and committed to provide the Financial support as required by the bidder for qualifying and successful execution of the contract, if awarded to the bidder.

Now, it is hereby agreed by the Guarantor to give this Guarantee and undertakes as follows:

1. The Guarantor confirms it hold ……. (in percentage, should be more than 50%) stake in the M/s _____ [Name of the incorporated Joint Venture Company].
2. The Guarantor agrees and confirms to provide the Audited Annual Reports of any of the preceding 03(three) financial/accounting years reckoned from the original bid closing date.
3. The Guarantor have an annual financial turnover of minimum INR …….. during any of the preceding 03(three) financial/accounting years reckoned from the original bid closing date.
4. **Net worth** of the Guarantor is minimum INR …….. for the accounting year preceding the original bid closing date.
5. The Guarantor undertakes to provide financial support to ……. [Name (s) of other JV members] for executing the project/job, in case the same is awarded to the M/s _____ [Name of the incorporated Joint Venture Company].

   The Guarantor represents that:

(a) This Guarantee herein contained shall remain valid and enforceable till the satisfactory execution and completion of the work (including discharge of the warranty obligations) awarded to …… [Name of the incorporated Joint Venture Company].

(b) The liability of the Guarantor, under the Guarantee, is limited to the 50% of the contract price entered between the M/s _____ [Name of the incorporated Joint Venture Company] and OIL. This will, however, be in addition to the forfeiture of the Performance Guarantee furnished by the Bidder.

(c) This Guarantee has been issued after due observance of the appropriate laws in force in India.

(d) This Guarantee shall be governed and construed in accordance with the laws in force in India and subject to the exclusive jurisdiction of the courts of New Delhi, India.

(e) This Guarantee has been given without any undue influence or coercion, and that the Guarantor has fully understood the implications of the same.

(f) The Guarantor has the legal capacity, power and authority to issue this Guarantee and that giving of this Guarantee and the performance and observations of the obligations hereunder do not contravene any existing laws.

For and on behalf of the bidder M/s ……	For and on behalf of M/s …… (Name of JV member with more than 50% stake)
Witness: 1. 2.	Witness: 1. 2.

PROFORMA-V

PROFORMA FOR UNDERTAKING FROM THIRD PARTY INSPECTION AGENCY

(To be submitted on official letter head)

TO
M/s OIL INDIA LIMITED
P.O. DULIAJAN-786602
Assam, India

Sir,

SUB: OIL's IFB No. CDG1754P27

M/s _____ having registered office at _____ intend to participate in the above referred tender of OIL INDIA LIMITED.

The tender conditions stipulates that the bidder shall submit documents pertaining to Bid Evaluation Criteria (BEC), duly verified and certified by designated independent Third Party Inspection Agency.

In this regard, we hereby certify that copies of documents pertaining to Bid Evaluation Criteria (BEC) submitted to us by the bidder, M/s _____ have been verified and certified by us with originals and found to be genuine and authentic. We have signed and stamped on the copies of all the verified and certified documents having ____ nos. of pages.

Note: In the event of any requirement, OIL reserves the right to ask the inspection agencies to verify the documents with source, if required at no extra cost to OIL.

Thanking you,

Authorised Person's Signature: _____

Name: _____

PROFORMA-W

[TO BE FILLED-UP/SUBMITTED BY THE VENDOR ON ITS LETTER HEAD FOR E-REMITTANCE]

Name:

FULL Address:

Phone Number:
Mobile Number:
E-mail address:
Fax Number:
Bank Account Number (in which the Bidder wants remittance against invoices):
Bank Name:
Branch:
Address of the Bank:
Bank Code:
IFSC/RTGS Code of the Bank:
NEFT Code of the Bank:
PAN Number:
GST Registration Number:

_____

Signature of Bidder with Official Seal

PROFORMA-XXI

PARENT/ULTIMATE PARENT/HOLDING COMPANY'S CORPORATE GUARANTEE TOWARDS FINANCIAL STANDING
(Delete whichever not applicable)

(TO BE EXECUTED ON COMPANY'S LETTER HEAD)

DEED OF GUARANTEE

THIS DEED OF GUARANTEE executed at ……. this …….. day of …….. by M/s …… (mention complete name) a company duly organized and existing under the laws of …… (insert jurisdiction/country), having its Registered Office at …… hereinafter called "the Guarantor" which expression shall, unless excluded by or repugnant to the subject or context thereof, be deemed to include its successors and permitted assigns.

WHEREAS

M/s. Oil India Limited (hereinafter referred to as OIL) has invited offers vide their Tender No. _____ for _____ and M/s _____(Bidder) intends to bid against the said tender and desires to have Financial support of M/s _____[Parent/Ultimate Parent/Holding Company(Delete whichever not applicable)] and whereas Parent/Ultimate Parent/Holding Company(Delete whichever not applicable) represents that they have gone through and understood the requirements of subject tender and are capable and committed to provide the Financial support as required by the bidder for qualifying and successful execution of the contract, if awarded to the bidder.

Now, it is hereby agreed by the Guarantor to give this Guarantee and undertakes as follows:

6. The Guarantor confirms that the Bidder is a wholly owned subsidiary of the Guarantor.
7. The Guarantor agrees and confirms to provide the Audited Annual Reports of any of the preceding 03(three) financial/accounting years reckoned from the original bid closing date.
8. The Guarantor have an annual financial turnover of minimum INR ……..(or equivalent USD ……..) during any of the preceding 03(three) financial/accounting years reckoned from the original bid closing date.
9. **Net worth** of the Guarantor is positive for preceding financial/ accounting year.
10. The Guarantor undertakes to provide financial support to the Bidder for executing the project/job, in case the same is awarded to the Bidder.
    The Guarantor represents that:

(a) This Guarantee herein contained shall remain valid and enforceable till the satisfactory execution and completion of the work (including discharge of the warranty obligations) awarded to the Bidder.
(b) The liability of the Guarantor, under the Guarantee, is limited to the 50% of the annualized contract price entered between the Bidder and OIL. This will, however, be in addition to the forfeiture of the Performance Guarantee furnished by the Bidder.
(c) This Guarantee has been issued after due observance of the appropriate laws in force in India.
(d) This Guarantee shall be governed and construed in accordance with the laws in force in India and subject to the exclusive jurisdiction of the courts of New Delhi, India.
(e) This Guarantee has been given without any undue influence or coercion, and that the Guarantor has fully understood the implications of the same.
(f) The Guarantor has the legal capacity, power and authority to issue this Guarantee and that giving of this Guarantee and the performance and observations of the obligations hereunder do not contravene any existing laws.

For and on behalf of (Bidder)	For and on behalf of (Parent/Ultimate Parent/Holding Company) (Delete whichever not applicable)
Witness:	Witness:
1.	1.
2.	2.

PROFORMA- CURRENT WORK

DETAILS OF CURRENT WORK IN HAND

Sl. No.	Client Contact Details	Contract No. & Date	Duration of Contract	Scope of work	Current Status	Documents Provided in Bid (*)

(*) Bidder should submit copy of relevant portion of the Contract containing "Client Name, Contractor Name, Contract No. & date, scope of work etc..

Authorised Person's Signature: _____

Name: _____

Seal of the Bidder:

PROFORMA -Well details

EXPERIENCE STATEMENT OF BIDDER/ SERVICE PROVIDER

Tender No: _____

Bidders' experience statement for their Service in previous Seven (7) years to be reckoned from the original bid closing date of the tender.

Sl. No.	Contract No.	Name & Contact details of client	Place of Operation	Capacity of Rig in HP	Details of Oil and/or Gas Wells drilled & completed				Commencement date of contract	Completion date of contract
					Name of Well / Location	Drilled Depth of the Well (MD)	Nature of Well (vertical/ Deviated / Horizontal)	Displacement of the well(M)		
1					1. 2. 3.					
2					1. 2. 3.					
3					1. 2. 3.					
4					1. 2. 3.					
5					1. 2. 3.					

Add rows as required.

Note: As a proof of successful completion of well(s), bidder must attach either copy of end of the well report or copy of daily progress report or any other document duly certified by Client for substantiating the drilled depth, name of well/location, Rig HP with contract number.

PROFORMA- CAT

FORMAT OF UNDERTAKING FOR CAT-IV API INSPECTION AS PER API RP 4G, API RP 7L AND API RP 8B

(Undertaking to be submitted)

To,

The Oil India Limited
CGM-Drilling Service
Duliajan – 786 602
Assam

Sub: **UNDERTAKING FOR CAT-IV API INSPECTION AS PER API RP 4G, API RP 7L AND API RP 8B**

We, _____ (Name of the bidder) have submitted Bid against Tender No. **CDG1754P27** dated _____ for **Charter Hire of 01 (One) no. of 3000 HP Drilling Rig Package in Assam and Arunachal Pradesh.** Since our Mast and Sub-Structure and/or Drilling Equipment and/or Hoisting Equipment are more than 15 years old (as on original BCD), we hereby undertake that Mast and Sub-Structure shall be CAT IV inspected as per API RP 4G, the Drilling Equipment will be CAT IV inspected as per API RP 7L and Hoisting Equipment will be CAT IV inspected as per 8B to meet the tender requirements prior to mobilization of the same, in case of award of contract. The CAT IV Inspection Report shall be re-certified by the OEM/ OEM authorized agency/TPI (as per the list mentioned in below) and will be submitted prior to mobilization of the same, in case of award of contract.

a. M/s Bureau Veritas
b. M/s Det Norske Veritas
c. M/s Lloyd's Inspection Agency Pvt. Ltd. (Parent Company: Lloyds Inspection Agency America LLC)
d. M/s Oil Field Audit Services
e. M/s APAVE (Formerly known as M/s ABS Industrial Verification (I) Pvt. Ltd.).
f. M/s. RITES.
g. M/s. I.R.S (IR Class).
h. M/s. DNV-GL.
i. M/s. Tuboscope Vetco.
j. M/s DNV MES India Private Limited.

For and on behalf of _____

Authorized signatory _____

Name _____

Designation _____

Contact No. _____

(Seal of the Bidder)

(PROFORMA- OVERHAUL)

FORMAT OF UNDERTAKING FOR OVERHAUL

(Undertaking to be submitted)

To,

The Oil India Limited
CGM-Drilling Service
Duliajan – 786 602
Assam

Sub: **UNDERTAKING FOR OVERHAUL**

We, _____ (Name of the bidder) have submitted Bid against Tender No. **CDG1754P27** dated _____ for **Charter Hire of 01 (One) no. of 3000 HP Drilling Rig Package in Assam and Arunachal Pradesh.** Since our Rig Engine are more than 15 years old (as on original BCD), we hereby undertake to carry out Health check-up by the OEM/OEM authorized agency prior to mobilization. We further undertake that any applicable overhauling, as per the health check-up report, shall be done to meet the tender requirements, prior to mobilization of the same, in case of award of contract.
The Health Check-up and Overhauling Reports shall be re-certified by the OEM/ OEM authorized agency/TPI (as per the list mentioned in below) and will be submitted prior to mobilization of the same, in case of award of contract.

a. M/s Bureau Veritas
b. M/s Det Norske Veritas
c. M/s Lloyd's Inspection Agency Pvt. Ltd. (Parent Company: Lloyds Inspection Agency America LLC)
d. M/s Oil Field Audit Services
e. M/s APAVE (Formerly known as M/s ABS Industrial Verification (I) Pvt. Ltd.).
f. M/s. RITES.
g. M/s. I.R.S (IR Class).
h. M/s. DNV-GL.
i. M/s. Tuboscope Vetco.
j. M/s DNV MES India Private Limited.

For and on behalf of _____

Authorized signatory _____

Name _____

Designation _____

Contact No. _____

(Seal of the Bidder)

PROFORMA-MP

To,

The Oil India Limited
CGM-Drilling Service
Duliajan – 786 602
Assam

SUB: **UNDERTAKING FOR MOBILIZATION**

We, _____ (Name of the bidder) have submitted Bid against Tender No. **CDG1754P27** dated _____ for **Charter Hire of one (01) number of 3000 HP Drilling Rig Packages in Assam and Arunachal Pradesh.**

We, (Name of the firm……) hereby agree, that we will complete mobilization within **310 (Three hundred and ten)** days from the date of issue of Mobilisation Notice from OIL after issuance of Letter of Award (LOA). We, further, declare that equipment and personnel deployed against this contract will be in compliance with vintage criteria and experience respectively specified in the Contract document.

The date on which Contractor's Rig & accessories along with the personnel, tools and equipment etc. are properly positioned at the drilling location, rig up operation is completed, and the well is actually spudded in will be treated as completion of mobilization.

We further agree that if we fail to complete the mobilization within the above stipulated mobilization period, OIL shall have, without prejudice to any other clause of the Contract, the right to terminate the contract. In such case, we will be liable for immediate suspension from participating in any tendering process or entering into any contractual engagement with OIL for a period of three (3) months from the effective date of termination, without prejudice to any other rights or remedies available to OIL under the Contract or applicable law.

We are liable for appropriate action as in accordance with the Company's rules in case any of the above information is found to be false.

For and on behalf of _____

Authorized signatory _____

Name _____

Designation _____

Contact No. _____

(Seal of the Bidder)

PROFORMA–S

DECLARATION ON STATUS OF THE RIG(S) OFFERED AGAINST GEM TENDER NO. CDG1754P27

(Ref. BEC Clause No. 3.5)

(On Non-Judicial Stamp Paper of Rs. 100/-) TO BE NOTORISED UNDER NOTARY ACT, 1952

UNDERTAKING CUM DECLARATION

Dated .....

I Sri/Smti_____, son / daughter / wife of_____, of Resident of_____(Place), P.O_____, District_____, State_____Pin_____on behalf of M/s_____, a proprietary firm/partnership firm/company (hereinafter referred to as "Bidder/Contractor") do hereby solemnly affirm and undertake on oath as follows:

1.0 That, I am competent and duly authorized by the Competent Authority to execute the instant undertaking cum declaration.

2.0 That, in response to Tender No....., for..... M/s..... have participated and submitted the bid.

3.0 That, the following Rig(s) Package has been offered in the bid

Details of Rig, viz, Make, Capacity, Registration No. (If Any) & Year of Manufacture

4.0 That, ...is the sole and absolute owner of the offered Rig(s), which is transferred in favour of..... (name of the bidder) through a Deed of Lease executed on.....(Applicable if the bidder is not the owner of the Rig). The Deed of Lease should be either Registered or Notarised or duly certified/apostilled by the concerned Embassy /Consulate.

5.0 That the offered Rig(s) is not under any litigation and/or dispute in India or abroad.

6.0 That, all documents pertaining to the offered Rig(s) in connection with the import of the Rig (if applicable) are in order and up-to-date on the date of submission of the tender. All documents as applicable under law will be submitted prior to mobilization.

7.0 That, it is agreed and understood that the mobilization will not be considered as complete by OIL unless all the documents submitted are found to be in order and to the satisfaction of OIL.

8.0 It is agreed and undertaken that in the event it is detected at any stage during the currency of tender/contract that any of the above declaration/information furnished by me is false/incorrect or there is suppression of any material facts, in such situation, OIL reserves the right to reject/cancel/terminate the bid/contract.

9.0 It is unequivocally and unambiguously agreed without demur that in the event of cancellation/termination of contract for the reason stated at Para-8.0 above, M/s..... (the bidder) shall pay compensation to OIL for damages suffered by it, as determined by OIL.

OATH

"I swear that, I am duly authorized by the competent authority of the Firm/Company and above undertaking/declaration is true, that it conceals nothing and that no part of it is false, so help us God"

Identified By

DEPONENT

(Advocate)

Signed and sworn before me by the above named deponents after being read over the contents mentioned above by , Advocate so that the deponents seemed to understand properly the contents of this affidavit.

Note: The Affidavit shall be executed by a person competent and having the power of attorney (power of attorney shall be annexed) to bind such Bidder.

PROFORMA-COMMERCIAL CHECKLIST

COMMERCIAL CHECK LIST

Bidder's Name:_____

TENDER NO. CDG1754P27

This Questionnaire duly filled in should be returned along with each copy of Un-priced Bid. Clauses confirmed hereunder should not be repeated in the Bid.

Sl. No.	Description	Bidder's Confirmation
1.	Bidding structure	
2	Bidder's name and address:	
3.	It is noted that deviations to Terms & Conditions shall lead to rejection of offer, as specified in the Tender.	
4.	Ensure and confirm that prices quoted in 'Schedule of Rates', are for complete scope of work as defined in the tender	
5.	Indicate SAC Code Indicate rate of GST applicable.	SAC Code: GST .....%
6.	EMD Details: EMD No., Issuing bank, amount with currency and Validity	
7.	Confirm to Submit PBG as per Tender requirement	
8.	Confirm that the offer shall remain valid for acceptance up to 120(One hundred and twenty) days from Date of opening of bids.	
9.	Whether Mobilization and Completion period of contract is complied?	
10.	Whether Integrity Pact Submitted?	
11.	Confirm that percentage of Local Content along with Certification of Incorporation and other relevant documents required has been	

	submitted (for claiming benefits as per PP:MII policy)	
12.	Confirm that quoted prices shall remain firm and fixed until completion of the contract, except as otherwise mentioned in the bid document.	
13.	Confirm that you have submitted all documents as mentioned in the Tender/ Annexures	
14.	Confirm acceptance to all terms & conditions of the Tender.	
15.	Confirm that all correspondence must be in English Language only.	
16.	Indicate Name & Contact No. (Telephone/Fax/E-mail) of person signing the bid.	Name: Contact No.: Fax: Email:
17.	Confirm that all Bank charges associated with Bidder's Bank shall be borne by Bidder.	
18.	Please indicate the following: (i) PAN No. (ii) GST Regn. No.	

Bidder confirms that in case of conflicting version of various terms & conditions at different places, the confirmation furnished as above shall be considered over-riding and final and any other deviation indicated elsewhere shall be treated as redundant.

Signature _____

Name _____

Designation _____

Office Stamp _____

ANNEXURE-01

PROFORMA FOR BIO DATA OF KEY PERSONNEL

1. NAME
2. PRESENT ADDRESS
3. PERMANENT ADDRESS
4. FATHER'S NAME
5. NATIONALITY
6. PASSPORT NO. AND VALIDITY (IN CASE OF EXPATRIATE)
7. DATE OF BIRTH
8. DESIGNATED POST
9. EDUCATIONAL QUALIFICATIONS:

AFFIX PASSPORT SIZE PHOTOGRAPH

Sl. No.	Exam Passed	Institute	Board|University |Council| Others	Grade|% Marks Obtained

10. HSE TRAININGS (If any):
11. DETAILS OF PROFESSIONAL CERTIFICATE, LICENSE, ETC. WITH VALIDITY
12. EXPERIENCE IN REVERSE ORDER:

Sl. No.	Name of the Company (Employer)	Designation or Post Held	Name of Client or Company with type of Service Provided	Period of Service		HP & type of Drilling Rig worked
				From	To	

N.B.: Add rows as required. Annexure(s) may also be attached if required.

Signature & Name of personnel

Seal of Bidder

Sig., Name & Designation of bidder

NOTE:

1. Attach copies of following documents:

- Identity Proof
- Date of Birth Proof
- Proof of educational qualification

- Proof of Experience: *In case of number of welsl drilled , self declaration authenticated by the employer or declaration by the employer /service ticket/DPR/callout ticket or any other document substantiating the relevant experience.*
- IWCF certificate (For Rig Manager / Rig Superintendent, Tool Pusher, Tour Pusher / Night Tool Pusher, Driller & Asst. driller), Heavy Motor Vehicle Driving License (For Crane Operator), Certificate of Welding Trade (For Welder)
- Medical Fitness Certificate in Form 'O' (as per The Mines Act 1952).
- Electrical license and Supervisor license (For Electrical Engineer, Rig Electrician and Assistant Rig Electrician).

2. Contractor shall provide the following before deploying his personnel:
a) Police verification report for domestic employees of Contractor.
b) Security clearance from Ministry of Home Affairs, Govt. of India for expatriate employees of Contractor.

3. In case of replacement of the key personnel, except Rig Manager(s)/ Rig Superintendent(s), the replacement personnel must have the requisite qualification and experience as per Scope of Work/Terms of Reference (Section-II) and shall submit their credentials along with their recent photographs & documents to Company for clearance of Company.

ANNEXURE-IV: UNDERTAKING FROM CONTRACTORS' PERSONNEL

I _____ S/o _____ having permanent residence at Vill: _____, PO: _____, PS: _____

District: _____, State: _____ am working with M/s _____

_____ as their employee. Now, I have been transferred by M/s _____

____ for carrying out the contract job under Contract No: _____which has been awarded in favour of my employer M/s _____ .

I do hereby declare that I will not have any claim for employment or any service benefit from OIL by virtue of my deployment for carrying out contract job in OIL by M/s _____.

I am an employee of _____ for all practical purposes and there is no privy of Contract between OIL and me.

_____ _____

Signature Signature

Name & Designation: Name & Designation of Bidder:
Place: (Official Seal of Bidder)
Date:

Signed in presence of following:

(1) Signature:
Name:
Designation:

(2) Signature:
Name:
Designation:

Proforma: MoU Waste Management

MEMORANDUM OF UNDERSTANDING

BETWEEN

1ST PARTY NAME

(SERVICE PROVIDER/BIDDER)

AND

2ND PARTY NAME

()

THIS AGREEMENT is for Operational and maintenance Services for ……Services/Equipment for tender number … entered into ……(Date)

BETWEEN

M/s……having its office at ……(address) and represented by ……, hereinafter referred to as the**1st Party,**

AND

M/s ……. having its office at……(address), and branch office (if applicable) at…… and represented by ……, hereinafter referred to as the **2nd Party.**

WHEREAS, the sole purpose of this Memorandum of Understanding is to encourage cooperation between the 1st Party and the 2nd Party regarding Services for Operation and maintenance of Waste Management System including Vertical cutting dry package and/or recycle service package to be provided to the various Oil and Gas Companies operating in the state of Assam and other states of India during the period of ……to …….

The terms and conditions of this Memorandum of Understanding are as follows:

THAT, the 1st Party has a Vertical cutting dry package and/or recycle service package system , ……(NAME) product, with model no……, from the 2nd Party and the 2nd Party has experience of successfully completing atleast one project providing the mentioned services using WBM mud in case of vertical drying package to an E&P company/ service provider.
The 2nd party will provide relevant documentary evidence in support of experience of the application of VCD in drying of drill cutting using WBM mud.

THAT, the 1st Party in possession of the Vertical cutting dry package and/or recycle service package system, ……(NAME) model no ……, will provide operational services to OIL INDIA LIMITED operating in the state of Assam and other states of India during the period of …… to ……

THAT, during the aforesaid period of ……to ……, the 2nd Party, on reasonable payment by the 1st party, will provide all support such as supply of spares, and competent service for maintenance of equipment, for keeping the equipment in operation-worthy condition at all times.

THAT, during the aforesaid period of ……to ……, the 2nd Party will provide complete technical support, and provide maintenance support of the Vertical cutting dry package and/or recycle service package system whenever necessary of the 1st Party during execution to achieve the service requirement and deliverables. .

THEREFORE, the 1st Party and the 2nd Party agree it is in the best interest of all concerned to enter into this Memorandum of Understanding.

In witness whereof the parties have executed this MOU on the date mentioned above.

For and behalf of	For and behalf of
(……)	**(……)**
Signed:	Signed:
Name:	Name:
Position:	Position:
Date:	Date:

Notes to bidder:

1. The bidder should execute a notarized MOU/ Agreement valid for entire duration of the contract including extension, if any and should be furnished along with the Technical Bid clearly referring to OIL's tender document number & indicating the scope of work for technical partner of the bidder.

2. In case the VCD unit under possession from the 2nd Party is not brand new, bidder must submit an additional undertaking addressed to the Company along with the technical bid confirming that the VCD unit supplied at the time of mobilization

will be brand new or with a maximum vintage of 05 years from the Bid Closing Date (BCD) of the tender.

PROFORMA: MoU(TDS)

MEMORANDUM OF UNDERSTANDING

BETWEEN

1ST PARTY NAME

(SERVICE PROVIDER/BIDDER)

AND

2ND PARTY NAME

(ORIGINAL EQUIPMENT MANUFACTURER)

THIS AGREEMENT for Operational and maintenance Services for .....Equipment entered into .....(Date)

BETWEEN

M/s.....having its office at .....(address) and represented by ....., hereinafter referred to as the**1st Party,**

AND

M/s ..... (Original Equipment Manufacturer) having its officeat.....(address), and branch office (if applicable) at..... andrepresented by ....., hereinafter referred to as the **2nd Party.**

WHEREAS, the sole purpose of this Memorandum of Understanding is to encourage cooperation between the 1st Party and the 2nd Party regarding Services for Operation and maintenance of Top Drive System to be provided to the various Oil and Gas Companies operating in the state of Assam and other states of India during the period of .....to .....

The terms and conditions of this Memorandum of Understanding are as follows:

THAT, the 1st Party has a top drive system Top Drive system, ...(OEM NAME) product, with model no....., from the 2nd Party.

THAT, the 1st Party in possession of the Top Drive System , ...(OEM NAME) model no ....., will provide operational services to various Oil and Gas companies operating in the state of Assam and other states of India during the period of ..... to .....

THAT, during the aforesaid period of .....to ....., the 2nd Party, on reasonable payment by the 1st party, will provide all support such as supply of spares, and competent service for maintenance of equipment, for keeping the equipment in operation-worthy condition at all times.

THAT, during the aforesaid period of ……to ……, the 2nd Party will provide complete technical support, and provide maintenance support of the top drive system whenever necessary of the 1st Party.

THAT, during the aforesaid period of ……to ……, the 2nd Party shall consider the 1st Party as a Preferred Purchaser/Buyer for ……(OEM) product, with model no……, and that ……(OEM) shall provide the highest level of support and for operation and maintenance of the Top Drive system.

THEREFORE, the 1st Party and the 2nd Party agree it is in the best interest of all concerned to enter into this Memorandum of Understanding.

In witness whereof the parties have executed this MOU on the date mentioned above.

For and behalf of	For and behalf of
(……)	**(……)**
Signed:	Signed:
Name:	Name:
Position:	Position:
Date:	Date:

Form-1 (Annexure-I)

Date: _____

DRILLING RIG INSPECTION CERTIFICATE

(SEPARATE CERTIFICATE TO BE ISSUED FOR EACH RIG)

(TO BE ISSUED BY BV / DNV / APAVE (formerly ABS) / LLOYDS / OILFIELD AUDIT SERVICES/RITES/IRS/DNV-GL/TUBOSCO VETCO/DNV MES)

FOR OLD RIGS

The following rig and equipment were inspected physically on _____ (date) and certified as under:

Sl. No.	Description	Details						
1	Identification No. of rig							
2	Purchase Order No. & date							
3	Name of Original Purchaser of Rig package							
4	Present Owner of the rig (Detailed address, contact No., email ID)							
5	Current location of the rig (Detailed address telephone & Fax No.)							
6	Details of rig/ equipment inspected	Details of rig / equipment offered with ID No.	Model/HP/ Capacity/Pressure Rating	**Present Condition** (Whether meets the tender specification)	Month & Year of manufacture	Date of refurbishment/ upgradation.	Residual life (in years)	Remarks of Certifying Agency
6.1	Mast Make: Model: Capacity in MT: Height from ground level(in Ft):							
6.2	(b) Sub Structure : Capacity in MT: Height from ground level (in Ft): Clear height							

	under rotary beams (i.e. clearance below rotary table) in ft:							
6.3	Rig engine: Nos. of engine: Make: Model: H.P.:							
6.4	Generators: No. of Generators: Make: Model: H.P							
6.5	Rig Compressors(Cold Start): Make: Model: H.P.:							
6.6	Rig Compressors (Reciprocating/Screw Type): Make: Model: H.P.:							
6.7	Draw works: Type: Make: Model: H.P.							
6.8	Eddy Brake/Disc Brake/Auxiliary Brake:							
6.9	Rotary Table:							

	Make: Model: Static and rotating capacity (in MT): Rotary Table opening (in Inch):							
6.10	Traveling Block: Make: Model: Capacity in MT:							
6.11	Crown Block: Make: Model: Capacity in MT:							
6.12	Swivel: Make: Model: Capacity in MT: Pressure rating (Kg/sq. cm):							
7	RAM BOPs: Make: Model: Size: Pressure rating: Type: Single / Double Ram Manual locking : (Y/N) Operating Pressure:							
7.1	ANNULAR BOPs: Make: Model: Size: Pressure rating:							

	Operating Pressure:							
7.2	BOP Control unit: Make: Model: Accumulator Capacity: Pressure rating: No. of remote controls:							
7.3	Choke & Kill Manifold							
7.4	Remote BOP Panel							
7.5	Remote Choke Panel							
8	Mud Pumps: Make: Model: No. of Pumps: Max Pressure rating: Discharge rate at specified pressure.							
8.1	Super Charge pump							
9	Linear Motion Shale Shaker							
9.1	Desander							
9.2	Desilter							
9.3	Degasser							
9.4	Centrifuge							
9.5	Liner Motion Mud Cleaner							

10	Stand Pipe Manifold							
10.1	Rotary Hose							
11	TOP DRIVE Unit: Make: Model: Capacity in MT: Pressure Rating:							
12	Electrical Items viz. alternators, drilling & auxiliary motors, Control PCRs (SCR / VFD house), MCC, cable system, etc.							
13	Drilling Instrumentation; a) Weight Indicator Make: Model/Type: Range: b)Drillers Console instruments List of all instruments along with Make, Model & Range c)Advanced Instrumentation System							

	Make: Model: d) Online Gas Monitoring System Make: Model: e) Rig Intercom System Make: Model							
14	Overall Rig Package							

Certification:

i) NDT of Mast & Substructure:
ii) Refurbishment, if any, with date and details of refurbishment.

The rig after due inspection, is found in good operating / working conditions.

To be digitally signed by Bidder's Authorized signatory

Note:

(1) The above certificate shall be given by third party inspection agencies listed below on their letter head in original. Certificate from other agencies shall not be accepted.
   a. M/s Bureau Veritas
   b. M/s Det Norske Veritas
   c. M/s Lloyd's Inspection Agency Pvt. Ltd. (Parent Company: Lloyds Inspection Agency America LLC)
   d. M/s Oil Field Audit Services
   e. M/s APAVE (Formerly known as M/s ABS Industrial Verification (I) Pvt. Ltd.).
   f. M/s. RITES.
   g. M/s. I.R.S (IR Class).
   h. M/s. DNV-GL.
   i. M/s. Tuboscope Vetco.
   j. M/s DNV MES India Private Limited

(2) Third party Inspection date should not be older than 06 (Six) months from the original bid closing date and original inspection documents should be submitted along with the techno-commercial bid. Bidders failing to provide the certificate as above will not be considered for technical evaluation.

***PROFORMA* :TECHNICAL EVALUATION SHEET FOR BEC**

Bidder's Name: _____

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
1.0	Oil India Limited (OIL) is planning for drilling a few wells which are highly challenging and situated in geologically complex areas of Assam and Arunachal Pradesh. These wells are either vertical with expected well depths up to 6500 Mtrs or highly deviated wells for extended reach with planned displacements more than 2000 to 3000 meters and inclination more than 55°. To meet these challenges, OIL intends to hire one (01) number of Diesel Electric Drilling Rig (AC-SCR or AC-VFD) of capacity 3000 HP (Minimum) with top drive system and associated equipment, tools & services for a period of 04 (four) years through this tender.			
2.0	**GENERAL CONFORMITY:** The bid shall conform generally to the specifications and terms & conditions given in this bid document. Bids shall be rejected in case the services offered do not conform to the required parameters stipulated in the technical specifications. Notwithstanding the general conformity of the bids to the stipulated specifications, the following requirements will have to be particularly met by the bidders, without which the same will be considered as non-responsive and rejected.			
3.0	**TECHNICAL EVALUATION CRITERIA**			
3.1	**EXPERIENCE**			
3.1.1	**EXECUTION OF CONTRACT AND JOB**: The Bidder must have the following experience during last 07 (Seven) years reckoned from the Original Bid Closing date:			
(a)	**EXECUTION OF CONTRACT:** Bidders must have experience of providing drilling services in offshore or onshore with at least **01 (One) no. of Rig** of minimum **3000 HP capacity** on charter hire basis for a period of **minimum 01 year** under **a single Contract**. **DOCUMENTARY EVIDENCE TO BE SUBMITTED FOR CLAUSE (a) ABOVE:** Contract (Agreement) copy/Master consultancy (service) agreement copy/ Letter of Intent (LOI)/Letter			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	of Award (LOA)/ Work Order (WO)/ Purchase Order (PO) mentioning the Contract/PO no**.** along with the relevant scope of work. **AND** Completion certificate / performance report issued by the client(s) / **payment certificate(s)** or any other document(s); clearly mentioning the Contract (Agreement) No./ PO No. with the date of completion that can substantiate the satisfactory execution and period of the contract as mentioned in the above clause.			
(b)	**EXECUTION OF JOB:** Bidders must have experience in execution of the following: (i) Drilling of minimum of **05 (Five) nos. oil/gas wells** (offshore or onshore) with drilling rig of minimum **3000 HP capacity**. (ii) Out of five wells as indicated in clause (b) (i) above, the bidder must have the experience of execution of any one of the following: **x.** At least **01 (One) well** should be of minimum **5500 meters** (Measuring Well Depth) **depth**. **OR** **y.** At least **01 (One) well** should be of minimum **4500 meters** (Measuring Well Depth) **depth** with a minimum **displacement** of **2000 meters**. **OR** **z.** At least **02 (two) wells** should be of minimum **4500 meters** (Measuring Well Depth) **depth**. **Note to b. (ii) above:** The measuring well depth shall be considered excluding the water depth in case of offshore well. **DOCUMENTARY EVIDENCE TO BE SUBMITTED FOR CLAUSE (b) ABOVE:**			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	Contract (Agreement) copy/ **Letter of Intent (LOI)/Letter of Award (LOA)/ Work Order** along with satisfactory completion/performance report issued by the client(s) / End of well report/ **payment certificate(s)** or any other document(s) that can substantiate the satisfactory execution of the job as mentioned in the above clause.			
3.1.2	**Notes to BEC Clause no. 3.1.1 above:**			
(i)	A job executed by a Bidder for its own organization will not be considered as experience for the purpose of meeting the requirements of the BEC. However, jobs executed for Parent/Holding/Subsidiary Company shall be considered as experience for the purpose of meeting the BEC, subject to submission of the following additional documents: (a) Copy of Contracts/Work-Order/Job assignment Order received from their Parent/Holding/Subsidiary Company. (b) Tax Paid Invoice(s) duly certified by Statutory Auditor of the Bidder or Consolidated Statement issued by Statutory Auditor of the Bidder towards payments of statutory tax in support of the job executed for Parent/Holding/Subsidiary Company. (c) Statutory document(s) establishing legal relationship between the bidder and Parent/Holding/Subsidiary Company. **Notes**: (x) In case referred Project falls under "No Tax Area" (like SEZ), Bidder can submit certificate from their Statutory Auditor to this effect in place of Tax paid invoice. (y) Chartered Accountant (CA) (in place of Statutory Auditor) is acceptable where audited accounts are not mandatory as per law for latest financial year. Also, CA shall not be an employee/Director and not having any interest in the Bidder's Company/Firm.			

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		Yes	No	
(ii)	Oil India Limited (OIL) reserves the right to contact the Client(s) referred by the Bidder for authentication of the documents submitted by the bidder. OIL may contact the clients/operators under intimation/copy to the respective bidder. OIL will not be responsible for Client(s) not conforming or not replying to OIL's request for information. If OIL does not get an affirmative response within the stipulated time, then such Bidder's technical bid will be considered as non-responsive. It will be the responsibility of the Bidder to take up the matter with his client(s) and arrange for the confirmation as desired by OIL.			
(iii)	All Certificates and documentary evidence required to be submitted in support of Para 3.1 above should be clearly legible and in English language. If any certificate is submitted in a language other than English language, the same should be translated to English, duly authenticated by local chamber of Commerce of bidder's / Supporting Company's/ Joint Venture partner's country, in which case, for purposes of interpretation of the bid, the English translation shall prevail. .			
3.1.3	Bids of those bidders who themselves do not meet the experience criteria as stipulated in **BEC Clause No. 3.1.1** of the tender, can also quote under the categories listed below:			
A.	**ELIGIBILITY CRITERIA IN CASE BIDS ARE SUBMITTED ON THE BASIS OF TECHNICAL EXPERIENCE OF THE PARENT/SUBSIDIARY COMPANY:** Offers of those bidders (other than JV) who themselves do not meet the experience criteria as stipulated in clause no. 3.1.1 above can also be considered provided the bidder is a subsidiary company of the parent company [supporting company, which holds **more than fifty percent** of the paid-up equity share capital of the bidder] who fulfils the experience criteria. Similarly, bid from parent company can also be considered on the strength of requisite experience of its subsidiary [supporting company, in which the bidder holds **more than fifty percent** of the paid-up equity share capital]. However, the parent/subsidiary			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	company (as the case may be) of the bidder should on its own meet the experience as stipulated in the BEC and should not rely for meeting the experience criteria on its sister subsidiary/co-subsidiary company or through any other arrangement like Technical Collaboration agreement. In case of bidder who is a subsidiary company dependent upon the experience of the parent company or vice-versa with a view to ensure commitment and involvement of the parent/subsidiary company (Supporting Company) for successful execution of the contract, the participating bidder should enclose a Parent/Subsidiary Agreement (as per **PROFORMA-N**) between the parent and the subsidiary company or vice-versa and Parent/Subsidiary Guarantee (as per as **PROFORMA-O)** from the parent/subsidiary company to OIL for fulfilling the obligation under the Agreement, along with the technical bid.			
B.	**ELIGIBILITY CRITERIA IN CASE BID IS SUBMITTED ON THE BASIS OF TECHNICAL EXPERIENCE OF SISTER-SUBSIDIARY/CO-SUBSIDIARY COMPANY:** Offers of those bidders (other than JV) who themselves do not meet the technical experience criteria stipulated in 3.1.1 above can also be considered based on the experience of their Sister Subsidiary/Co-Subsidiary company within the ultimate parent/holding company subject to meeting the following conditions: (a) Provided that the sister subsidiary/co-subsidiary company and the bidding company are both wholly owned subsidiaries of an ultimate parent/holding company either directly or through intermediate wholly owned subsidiaries of the ultimate parent/holding company or through any other wholly owned subsidiary company within the ultimate parent/holding company. Documentary evidence to this effect to be submitted by the ultimate parent/holding company along with the technical bid. (b) Provided that the sister subsidiary/co-subsidiary company on its own meets the technical experience criteria laid down in Clause 3.1.1 above and not through any other arrangement like technical collaboration etc.			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	(c) Provided that with a view to ensure commitment and involvement of the ultimate parent/holding company for successful execution of the contract, the participating bidder must submit an agreement, as per format furnished vide **Proforma-Q**, between them & their ultimate parent/holding company, along with the technical bid.			
C.	In the situations mentioned in Clause No. 3.1.3. A. and 3.1.3 B. above, following conditions are required to be fulfilled/documents to be submitted: (i) A certificate from the statutory Auditor of the bidding company to establish the relationship and equity percentage holding between bidding company and the supporting company. The certificate should be duly concurred/endorsed by the Company Secretary or one of the Directors of the company concerned. **Note**: The above certificate should not be more than 30 days old as on the original bid closing date. (ii) The supporting company shall not be allowed to submit their separate/independent bid against the tender. In such case, all such bids shall be rejected. Also, bids having technical support from the same entity shall be rejected.			
D.	**BID FROM INDIAN JOINT VENTURE (INCORPORATED):** **(a)** In case the bidder is Joint Venture, they must be registered in India and incorporated under the Companies Act 1956/Companies Act 2013/ Limited Liability Partnership Act 2008 and any amendment thereunder. They should meet the technical qualification requirements as under: (i) The JV on its own shall meet the experience criteria as per **Clause No. 3.1.1** above. **or** **(ii)** Any member of the JV having a stake of at least 26% in the JV, on its own shall meet experience requirement as per **Clause No. 3.1.1. above.** **Note**: A. In case of (ii) above, an undertaking from the Joint Venture partner, based			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	on whose experience the JV seek qualification, shall be submitted with the techno commercial bid stating that they shall maintain minimum 26% shareholding in the JV during entire duration of the contract and extension, if any, thereof, failing which bid will be liable for rejection. Similarly, under such a situation the contract shall be liable for termination, if already awarded. B. Experience of the JV or its member (as the case may be) relying on the experience of its supporting company/subsidiary/co-subsidiary/ sister subsidiary /parent/ holding/affiliating/ associate company or through any other arrangement like technical collaborator for meeting the technical criteria shall not be considered for evaluation. C. The documents establishing experience of the JV or its member (as the case may be) shall be submitted as per **BEC Clause No. 3.1.1 above**. D. The documents showing the existing shareholdings of the JV Partners must be submitted. **(b)** **<u>Constitution of Joint Venture</u>**: The members of the JV should not be more than three. If after submission of bid, a JV leader effects any alterations/changes in the constitution or replacement or inclusion or expulsion of any partner(s)/member(s) of the Joint Venture which had originally submitted the bid, the bid of such a JV shall be liable for rejection. Similarly, under such a situation the contract			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	shall be liable for termination, if already awarded. **(c)** Indian bidders whose proposal for Joint Venture involves foreign equity participation or payment of royalty and / or lump sum for technical know-how and wherever Govt. approval is necessary, **are required to submit their application submitted to SIA/RBI along with the bid** and copy of Govt. approval prior to the date of price bid opening. Confirmation to this effect and declaration on the same should be provided as part of their technical offer. **(d)** Members of the JV are not allowed to quote separately/independently / or through any other arrangement like part of any other JV/Consortium or Subsidiary/ Parent company/ co subsidiary against this tender. All the bids received in such a case shall be summarily rejected. Further, all bids from parties with technical support from the same Principal shall be rejected.			
E.	In case of Clause nos. **3.1.3 A, B or D above**, bidders should comply the following in addition to the conditions mentioned above: a. Undertaking should be submitted by the supporting Company/JV Partner [on whose strength/support the bidder is bidding] (as per Clause no. 3.1.3 A. or 3.1.3. B. or 3.1.1. D. above) to provide additional Performance Security (as per **Proforma-XIX**) equivalent to 50% of the value of the Performance Security which is to be submitted by the bidding company in case the bidding company is the successful bidder. In cases where supporting company do not have Permanent Establishment in India, the bidding company can furnish Performance Security equivalent to 150% of the value of the Performance Security which is to be submitted by the bidding company. In such			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	case the bidding company shall furnish an undertaking that their supporting company/JV partner is not having any Permanent Establishment in India in terms of Income Tax Act of India. b. Undertaking from the supporting company/JV partner to the effect that in addition to invoking the performance security submitted by the contractor, the performance security provided by supporting company/JV partner shall be invoked by OIL due to non-performance of the contractor. c. In case the contract is awarded based on the bid submitted as per Clause no. 3.1.3(A), 3.1.3 (B) or 3.1.3 (D) above, in order to meet the commitment from the supporting firm based on whose technical experience the bidder has been qualified, the identified key personnel as mentioned in "ANNEXURE- IDENTIFIED KEY PERSONNEL" shall be from the supporting company/JV partner for the entire duration of the contract. A declaration as per Proforma-XX in this respect to be submitted as part of the technical bid.			
3.2	**CURRENT WORK IN HAND AND OTHER CONTRACTUAL COMMITMENTS:** Bidder shall submit details of current work in hand and other contractual commitments of the bidder (indicating areas and clients) along with the Techno-commercial (Un-priced) Bid **(Annexure: Current Work**)			
3.3	**DRILLING RIG:** The Bidder must be in possession of the rig(s) offered (with Top Drive System) either owned/leased (Sub-leased rig and rigs proposed to be leased will not be accepted).			
3.3.1	**IDENTIFICATION OF RIG:** Bidders are required to identify the Rig(s) at the time of submission of bids with documentary proof thereof, confirming availability of the rig for this contract.			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
(i)	**BID WITH OWN RIG** **a)** In case, bidder is the owner of the offered Rig, the certificate confirming availability of the rig for this contract shall be furnished by the bidder along with legally enforceable proof of purchase of the rig(s). **b) FOR BRAND-NEW RIG PACKAGE UNDER FIRM PURCHASE:** If the bidder offers a Brand-New Rig Package, they shall submit following documents along with Techno-commercial Bid: (i) Valid proof of placement of Firm Purchase Order/Document on the purchase of the brand-new rig package. Copy of the Firm Purchase Order/Document placed by the bidder must be submitted along with the bid. (ii) Acceptance letter from the seller on the Firm Purchase Order/ Document (placed by the bidder). (iii) The bidder shall also submit a certificate from the Rig Manufacturer cum Aggregator (Seller) certifying the current status of the purchase order and the committed date of readiness of the complete rig package for shipment after due inspection. (iv) Undertaking from the bidder that the complete Rig package as per Scope of Work shall be mobilized and made available to undertake operations within 310 days from the date of issuance of Mobilization Notice issued by OIL. Bidder must submit a realistic mobilization schedule along with their bid demonstrating adherence to the stipulated mobilization period mentioned in the tender to commence operation.			
(ii)	**BID WITHOUT OWN RIG** Bidders who do not own rig(s), can offer leased rig (Sub Leased Rig will not be accepted) and the bidder to identify the Rig(s) at the time of submission of bids with documentary proof thereof, confirming availability of the rig for this contract. Bidder **must not quote for any such rig which is not readily available.**			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	DOCUMENTARY EVIDENCE TO BE SUBMITTED FOR CLAUSE (3.3.1(ii)) ABOVE To submit copy of the Lease Agreement/Lease Deed along with the un-priced bid, i.e., technical bid, executed with the owner of the rig, with documentary proof of ownership of the rig from the owner. The Lease Deed/Lease Agreement should be either Registered or Notarised or duly certified/apostilled by the concerned Embassy/Consulate. In case of leased rig, the successful bidder shall be required to keep the aforesaid Deed valid for the entire period of contract and any extension thereof.			
3.3.2	**LIMITATION ON NUMBERS OF OFFER**: Bidder may identify maximum upto **03 (Three) rigs** which they feel best suitable against this tender requirement, giving complete technical details for evaluation along with copy of Registered or Notarised or Duly certified/apostilled Lease Agreement/ Lease Deed, if applicable. Bidders will have to mobilize any 01 of the offered rigs that are found to be techno-commercially acceptable by OIL in the event of award of contract. Rig without top drive will not be considered for evaluation.			
3.3.3	**ACTIVE IN OPERATION:** The offered Rig should be in operation in the **last 05 (Five) years** reckoned from the original bid closing date. However, in case of rigs offered with **less than 05 (Five) years of vintage**, this clause will not be applicable. **DOCUMENTARY EVIDENCE TO BE SUBMITTED FOR CLAUSE 3.3.3 ABOVE:** Contract agreement and Completion Certificate, DPR (Drilling Progress Report) as per IADC or equivalent Format/ End of Well Report, duly accepted and signed by the client organization.			
3.3.4	**RESTRICTION ON SUBSTITUTION ON OFFER:** Bidder would not be allowed to substitute the rig once offered by them in their bid. If any bidder offers 03 (Three) rigs, all the rigs will be techno-commercially evaluated. The bidder can mobilize any 01 of the offered rigs that are found to be techno-commercially			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	acceptable by OIL, but the name of the rig to be mobilized by the bidder would have to be furnished by them within 15 days of issue of letter of award.			
3.3.5	**Subject to Availability**: Offers with identified Rig offered under "Subject to Availability" basis may be considered for techno-commercial evaluation. In such case, the bidders must categorically mention the rig (s) which are offered on "Subject to Availability" basis in their technical bid. If the bidder does not mention about this condition in their technical bid, it will be construed that the bidder has offered the rig(s) on unconditional availability/firm basis. Out of the acceptable Rigs offered on "Subject to Availability" basis, the bidders must confirm the unconditional availability of their offered Rig(s) at least one day prior to price bid opening. The date of the price bid opening will be intimated to the bidder in due course. In case the bidder is unable to confirm unconditional availability of any of the offered Rigs, their bid will not be considered for the price bid opening/award of contract, without any further correspondence. The Bidders will have to ensure deployment of Drilling Rig(s) out of acceptable Rig(s) only.			
3.3.6	**Bidders must confirm compliance of deployment of the rig package as per the technical specifications spelled out in the Scope of Work under this tender**. The details of the rig package as envisaged for the requirement is given in Section–II: Scope of Work in the Bid Document. Spacing between wells at surface on a cluster well plinth is a maximum of 18 meters. Bidders must confirm compliance to the same. The bidder shall submit the lay-out drawing of the offered rigs in the Technical bid along with the confirmation that foundation design and detailed working drawing and Load Bearing Diagram would be submitted within 15 days from the date of issue of Letter of Award.			
3.3.7	The Bidder should confirm that their offered rig(s) is/are installed with suitable top drive system.			
3.3.8	**VINTAGE:** The vintage of the following rig package items should be as per below:			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
i)	**MAST, SUB-STRUCTURE, CROWN BLOCK AND DRAW WORKS:** The vintage of Mast, Sub-Structure, Crown Block and Draw Works of the offered rig(s) should not be more than **15 (Fifteen) years as on Original Bid Closing Date**. Documentary Evidence in this regard to be submitted as per BEC clause no. 3.3.8. v) below**.** However, offered rigs with vintage of Mast, Sub-Structure, Crown Block and Draw Works **more than 15 years** shall also be acceptable only if the same is CAT IV inspected as per API RP 4G (latest) and re-certification as per API Spec 4F. The bidder must submit the CAT IV Inspection Report (which must not be more than **03 years old** as on the original bid closing date) and re-certification by TPI (as per the list mentioned in note a) below) along with the technical bid.			
ii)	**DRILLING EQUIPMENT AND HOISTING EQUIPMENT**: The vintage of Drilling equipment (Rotary Table and Slush Pump) and Hoisting equipment (Travelling Block) of the offered rig(s) should not be more than **15 (Fifteen) years as on Original Bid Closing Date**. Documentary Evidence in this regard to be submitted as per BEC clause no. 3.3.8. v) below. However, Drilling equipment (Rotary Table, and Slush Pump) and Hoisting equipment (Travelling Block) older **than 15 (Fifteen) years but less than 20 (Twenty) years** shall also be acceptable only if the same is CAT IV inspected as per API RP 7L(latest) & API RP 8B(latest) respectively and re-certified by the TPI (as per the list mentioned in note a) below) to meet the tender requirements prior to mobilization of the same, in case of award of contract. **Note to Clause no. i) & ii) above:** a) In case inspection and re-certification under (i) and (ii) has not been done as per above as on original bid closing date, the bidder must submit an Undertaking addressed to the Company (as per **Proforma-CAT)** along with the technical bid confirming that the Mast and Sub-Structure, Drilling equipment (Rotary Table, Draw Works and Slush Pump) and Hoisting equipment (Crown Block and Travelling Block) shall be CAT IV inspected as per API RP 4G (latest), API RP 7L(latest) & API RP			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	8B(latest) respectively and re-certified by the TPI (as per the list mentioned below) to meet the tender requirements prior to mobilization of the same, in case of award of contract. Such Re-certification shall remain valid for minimum duration of the Contract i.e., 4 years from the date of completion of mobilization. List of TPI agencies: a. M/s Bureau Veritas b. M/s Det Norske Veritas c. M/s Lloyd's Inspection Agency Pvt. Ltd. (Parent Company: Lloyds Inspection Agency America LLC) d. M/s Oil Field Audit Services e. M/s APAVE (Formerly known as M/s ABS Industrial Verification (I) Pvt. Ltd.). f. M/s. RITES. g. M/s. I.R.S (IR Class). h. M/s. DNV-GL. i. M/s. Tuboscope Vetco. j. M/s DNV MES India Private Limited. b) CAT IV inspection as per API RP 4G (latest) and re-certification as per API Spec 4F by any one of the following: • **OEM** • **OEM authorised agencies (Authorization to be submitted along with the bid or as applicable)** • **Any other manufacturer of drilling structures.**			
iii)	**RIG ENGINES**: The vintage of Rig Engines of the offered rig(s) should not be more than **15 (Fifteen) years as on Original Bid Closing Date**. Documentary Evidence in this regard to be submitted as per BEC clause no. 3.3.8. v) below. However, Rig Engines older than **15 (Fifteen) years but less than 20 (Twenty) years** may also be offered, subject to submission of a declaration of carrying out Health check up by the OEM/OEM authorized agency prior to mobilization. (a) The bidder should submit TPI certificate in original from any one of the below mentioned inspection			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	agencies of the tender document along with techno-commercial (un-priced) bid: a. M/s Bureau Veritas b. M/s Det Norske Veritas c. M/s Lloyd's Inspection Agency Pvt. Ltd. (Parent Company: Lloyds Inspection Agency America LLC) d. M/s Oil Field Audit Services e. M/s APAVE (Formerly known as M/s ABS Industrial Verification (I) Pvt. Ltd.). f. M/s. RITES. g. M/s. I.R.S (IR Class). h. M/s. DNV-GL. i. M/s. Tuboscope Vetco. j. M/s DNV MES India Private Limited (b) In case of health check -up declaration, the bidder must submit an Undertaking **(as per Proforma- OVERHAUL)** along with the technical bid confirming that the applicable overhauling shall be done as per health check-up report to meet the tender requirements prior to mobilization of the same, in case of award of contract.			
iv)	**PCRS & TOP DRIVE SYSTEM**: The Vintage of the PCRs & Top Drive of the offered rig(s) should not be more than **15 (Fifteen) years as on Original Bid Closing Date.** **Relaxation for PCR & Top Drive older than 15 (Fifteen) years:** PCRs & Top Drives older than 15 (Fifteen) years may also be offered, subject to the condition that the PCRs & Top Drive have undergone refurbishment/ up-gradation, which shall be clearly mentioned in the submitted TPI report. The said refurbishment/ up-gradation must be completed within 05 (five) years from the date of issuance of TPI report. Note to Clause no. iv) above:			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	In case of refurbishment/ up-gradation under (iv) has not been done as per above as on original bid closing date, the bidder must submit an Undertaking addressed to the Company (as per Proforma-PCR/TDS) along with the technical bid confirming that the PCR & Top Drive shall be refurbishment/ up-gradation and re-certified by the TPI (as per the list mentioned below) to meet the tender requirements prior to mobilization of the same, in case of award of contract. Documentary Evidence in this regard to be submitted as per BEC clause no. 3.3.8. v) below.			
v)	**DOCUMENTARY EVIDENCE TO BE SUBMITTED FOR CLAUSE NO. 3.3.8 ABOVE.** Bidders must submit the Bill of Entry or supply invoice or any other documentary evidence from Rig Manufacturer (or OEM) that can substantiate the date of delivery or satisfactory execution of purchase order/ Certificate of year of manufacture from the rig manufacturer (or OEM)/any other document (Undertaking is not acceptable) as a proof of vintage of the above items along with the technical bid. **NOTES TO CLAUSE NO 3.3.8 ABOVE**: (a) Bidders must submit the certificate of year of manufacture from the rig manufacturer / OEM as documentary evidence for vintage of the Top Drive & PCR along with the technical bid. (b) A Manufacturer/OEM Certificate must furnish the below mentioned information in any format decided by the issuer: (i) The certificate must be on the letterhead of the Manufacturer/OEM. (ii) Year of Manufacturing of the equipment for which the certificate is being provided. (iii) TPI verification of the document from the agencies mentioned above.			
3.3.9	**RESIDUAL LIFE**: The offered drilling rig, if not brand new, should have a minimum residual life of seven (7) years as on the			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	original bid closing date. The bidder should submit a certificate in original from any one of the inspection agencies mentioned below as per **Form-1 (Annexure-I)** of the tender document along with techno-commercial (un-priced) bid. The last date of inspection by TPI Agency indicated in the TPI Certificate should not be older than 6 months as on original date of bid closing. Bidders failing to provide the certificate as above will not be considered for price bid opening/award of contract. The inspection and certification of the rig should be done by any of the following inspection agency and the cost of the third-party inspection will be borne by the bidder: a. M/s Bureau Veritas b. M/s Det Norske Veritas c. M/s Lloyd's Inspection Agency Pvt. Ltd. (Parent Company: Lloyds Inspection Agency America LLC) d. M/s Oil Field Audit Services e. M/s APAVE (Formerly known as M/s ABS Industrial Verification (I) Pvt. Ltd.). f. M/s. RITES. g. M/s. I.R.S (IR Class). h. M/s. DNV-GL. i. M/s. Tuboscope Vetco. j. M/s DNV MES India Private Limited. **NOTE**: **The certificate should clearly indicate and confirm without any ambiguity the following**: (a) Name and address of the owner of the rigs after due verification of documents. (b) **Confirmation** that the rig package meets the technical specification as laid down at Part-3: Section-II: Scope of Work of the Tender Document. (c) Make, Model, Capacity/Rating, month & year of manufacture and residual life as inspected for each of the component as well as for the overall rigs as per the attached annexure Form-1 **(Annexure-I).**			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
3.3.10	The Company reserves the right for physical inspection of the rig package at any time during the evaluation of their offered rig package or prior to Mobilization.			
3.4	**MOBILIZATION PERIOD:** Bidder must confirm to mobilize the Drilling Rig within **310 days from the date of issuance of Mobilization notice** after issuance of Letter of Award (LOA). Offers indicating mobilization time more than **310 days** from the date of issuance of Mobilization Notice/ LOA will be rejected (Bidders must submit Proforma-MP in their technical bid). Bidders are advised to indicate the best mobilization schedule in their bid. Bidders shall mandatorily submit a mobilization schedule along with an inspection test protocol as a part of the bid which shall be evaluated by OIL and shall be binding on the bidder.			
3.5	Bidders shall submit **Proforma-S (Declaration on the status of the Offered rig(s) without any deviation to the provisions mentioned therein** towards the rigs offered by them along with the technical bid, failing which their bid shall be liable for rejection.			
4.0	**FINANCIAL EVALUATION CRITERIA**			
4.1	Annual Financial Turnover from Operations of the Bidder during any of the last three (03) completed financial/accounting years preceding the Original Bid Closing date must be at least **INR 84,03,20,000.00 or US$ 8,853,000.00** [**Annual Financial Turnover from operations** shall mean: "Aggregate value of the realization of amount made from the sale, supply or distribution of goods or on account of services rendered, or both, by the company (bidder) during a financial year" as per the Companies Act, 2013 Section 2 (91).]			
4.2	The **Net worth** of the bidder must be Positive for the financial/accounting year preceding the Original Bid Closing date. **[Net worth** shall mean: "Share capital + Reserves created out of profits and securities Premium – Aggregate value of accumulated losses (excluding revaluation reserves) – deferred expenditure – Miscellaneous Expenditure to the extent not written off and carried forward Loss - Reserves created out of write back of depreciation and amalgamation"]			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
4.3	In case, the bidder is a **subsidiary company** (should be a wholly owned subsidiary of the parent/ultimate parent/holding company), who does not meet financial criteria by itself and submits bid based on the financial strength of its parent/ultimate parent/holding company and the following needs to be complied/submitted: (i) The parent/ ultimate parent / holding company (supporting company) should meet the Financial Evaluation Criteria stipulated in Clause Nos. **4.1 & 4.2 above.** (ii) Corporate Guarantee **(as per Proforma-XXI)** on parent / ultimate parent / holding company's (supporting company) letter head signed by an authorized official undertaking that they would financially support their subsidiary company for executing the project / job in case the same is awarded to them, and (iii) A certificate from the statutory Auditor of the bidding company as well as of the parent/ ultimate/ holding parent company (supporting company) to establish the relationship and equity percentage holding between bidding company and the supporting company. The certificates should be duly certified by the Company Secretary or one of the Directors of the company concerned. **Note**: The above certificate should not be more than 30 days old as on the original bid closing date.			
4.4	If the Bidder is an Incorporated Joint Venture (JV) and does not meet financial criteria (BEC Clause Nos. 4.1 & 4.2) by itself, it can submit the bid based on the financial strength of its JV member having more than 50% stake in the JV, and the following needs to be complied/submitted: **(i)** The JV member having more than 50% stake in the JV should meet the Financial Evaluation Criteria stipulated in Clause Nos. 4.1 & 4.2 above. **(ii)** Corporate Guarantee **(PROFORMA-JVCG)** on the letter head of the member having more than 50% stake in the JV signed by an authorized			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	official undertaking that they would financially support their JV for executing the project / job in case the same is awarded to them. (**iii**) An undertaking from the Joint Venture partner, based on whose experience the JV seek financial qualification, shall be submitted with the techno commercial bid stating that they shall maintain more than 50% shareholding in the JV till execution of the contract is accomplished. **(iv)** A certificate from the Statutory Auditor of the JV on the shareholding pattern of JV. The certificate should be duly concurred/ endorsed by the Company Secretary or one of the Directors of the company concerned or Managing/Authorized partner of the LLP. **Note**: The above certificate should not be more than 30 days old as on the original bid closing date.			
4.5	**Notes to BEC Clause 4.0 above:** **a.** For proof of Annual Turnover from operation & Net worth, any one of the following documents/photocopies must be submitted along with the bid: (i) Financial Statements (Balance Sheet & Profit & Loss account along with all the schedules/notes forming part of the Balance sheet & Profit and Loss Account) audited by the auditors appointed under the statute like Companies Act etc. wherever applicable. In cases where the bidding/ supporting company (as applicable) are not required to prepare Audited Financial Statements as per the Law of the Land of the country of the bidding/supporting JV partner as applicable, the bidder shall provide documentary evidence for the same along with a certificate from a practicing Chartered Accountant or equivalent to this effect. The bidder must also submit the financial statement as per the accounting standards of the country of the bidding/JV partner as the case may be,			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	duly certified by the practicing-chartered accountant or equivalent. **OR** (ii) A certificate issued by a practicing Chartered/Cost Accountant (with Membership Number and Firm Registration Number), as per format prescribed in **Annexure-J**. **Notes**: A. Mention of UDIN (Unique Document Identification Number) is mandatory for all Certificates issued w.e.f. February 1, 2019 by Chartered Accountant in Practice. B. In case the Audited Balance sheet and Profit Loss Account submitted along with the bid are in currencies other than Indian Rupees (INR) or US Dollars (US$), the bidder shall have to convert the figures in equivalent INR or US$ considering the prevailing conversion rate on the date on which the Audited Balance Sheet and Profit & Loss Account is signed. A CA Certificate is to be submitted by the bidder regarding converted figures in equivalent INR or US$. Else, the Audited Balance Sheet and Profit & Loss Account shall be evaluated by considering the BC selling rate declared by State Bank of India (on the date on which the Audited Balance Sheet and Profit & Loss Account is signed) for conversion to INR. **b.** Considering the time required for preparation of Financial Statements, if the last date of preceding financial/accounting year falls within the preceding six months reckoned from the original bid closing date /within the due date for furnishing of audit report as per Section 139(1) of IT Act, 1961 (read along with latest circulars/notifications issued by CBDT			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	from time to time) and the Financial Statements of the preceding financial/accounting year are not available with the bidder, then the financial turnover of the previous three financial /accounting years excluding the preceding financial/accounting year will be considered. In such cases, the Net worth of the previous financial/accounting year excluding the preceding financial/accounting year will be considered. However, the bidder has to submit an undertaking in support of the same along with their technical bid as per **Proforma-T**. **c.** In case the bidder is a Central Govt. Organization/PSU/State Govt. Organization/Semi-State Govt. Organization or any other Central/State Govt. Undertaking, where the auditor is appointed only after the approval of Comptroller and Auditor General of India and the Central Government, their certificates may be accepted even though FRN is not available. However, bidder to provide documentary evidence for the same. **d.** In case the bidder is a Government Department, they are exempted from submission of document mentioned under para **a.** and **c.** above. **e.** Bid will be rejected if not accompanied with adequate documentary proof in support of Annual turnover and Net worth as mentioned above in Para 4.0.			
5.0	**<u>COMMERCIAL EVALUATION CRITERIA</u>**			
5.1	The bids are to be submitted under single stage Two Bid System i.e. Un-priced Techno-Commercial Bid and Price Bid in their respective fields in E-portal. Only the Price Bid should contain the quoted price.			
5.2	Bidder shall offer firm prices. The price quoted by the successful bidder must remain firm during the performance of the contract and not subject to			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	variation on any account except as mentioned in the bid document (if any).			
5.3	Bid security shall be furnished as a part of the Techno Commercial Un-priced Bid. The amount and validity of bid security should be as specified in the Forwarding Letter of the tender. Any bid not accompanied by a proper bid security will be rejected.			
5.4	Bid Documents/User Id & Password for OIL's E-Tender portal are not transferable. Bid can only be submitted in the name of the bidder in whose name the User ID and Password have been issued. Unsolicited bids will not be considered and will be straightway rejected.			
5.5	Bids received through the e-procurement portal shall only be accepted. Bids received in any other form shall not be accepted.			
5.6	Bids shall be typed or written in indelible ink. The Bids and all uploaded documents must be digitally signed using "Class 3" digital certificate [e-commerce application (Certificate with personal verification and Organization name)] as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India[except copies of the documents required in physical form] should invariably be submitted in OIL's e-tender portal, before the scheduled date and time for the tender closing. All the documents uploaded shall be digitally signed by the authorized signatory of the bidder.			
5.7	Bids shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by bidder, in which case such corrections shall be initiated by the persons(s) signing (digitally) the bid.			
5.8	Any bid containing false statement will be rejected and action will be taken by Company as per the Bid Document.			
5.9	Bidders must quote clearly and strictly in accordance with the price schedule outlined in Price Bidding Format attached under "Notes and Attachments" tab in the main bidding engine of OIL's E-Tender portal; otherwise, the bid will be rejected. All other techno-commercial documents other than price details to be			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	submitted with Unpriced Techno-Commercial Bid as per tender requirement under "Technical Attachment" Tab Page only			
5.10	Bidder must accept and comply with the following provisions as given in the Tender Document in toto, failing which offer will be rejected: **(i)** Firm price **(ii)** Bid Security **(iii)** Period of validity of Bid **(iv)** Price Schedule **(v)** Performance Bank Guarantee / Security deposit **(vi)** Delivery / Completion/ Mobilization Schedule **(vii)** Scope of work **(viii)** Guarantee of material / work **(ix)** Liquidated Damages clause **(x)** Tax liabilities **(xi)** Arbitration / Resolution of Dispute Clause **(xii)** Force Majeure **(xiii)** Applicable Laws **(xiv)** Specifications **(xv)** Integrity Pact			
5.11	There should not be any indication of price in the Un-priced Techno-Commercial Bid. A bid will be straightway rejected if this is given in the Un-priced Techno-Commercial Bid.			
5.12	Bid received with validity of offer less than **120 (one hundred twenty) days** from scheduled Bid Opening Date will be rejected.			
5.13	The Integrity Pact is applicable against this tender. OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide "**Proforma-M**" of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be returned by the bidder (along with the Un-priced Techno-Commercial Bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid. If any bidder refuses to sign Integrity Pact or declines to submit the Integrity Pact, their bid will be rejected			
5.14	**Land Border Sharing**: Bidders should submit an Undertaking that, their bid is compliant to Order No.			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	F.No. 6/18/2019-PPD dated 23.07.2020 issued by Ministry of Finance, Department of Expenditure, Public Procurement Division, Govt. of India (including subsequent amendments thereto, if any), regarding restrictions on procurement from a bidder of a country which shares land border with India.			
5.15	**Document Authenticity Undertaking**: Bidders should note that Company (OIL) may verify authenticity of all the documents /certificates / information submitted by the bidder(s) against the tender. In case at any stage of tendering process or Contract execution etc., if it is established that bidder has submitted forged documents / certificates / information towards fulfilment of any of the tender / contract conditions, Company shall immediately reject the bid of such bidder(s) or cancel / terminate the contract besides taking action as per OIL's Banning Policy available in the OIL's website. Accordingly, service provider/vendor to submit the Undertaking of authenticity of information/documents submitted as per **Proforma-J**.			
5.16	Bidders should not be under liquidation/bankruptcy/undergoing any insolvency resolution process as on Bid Closing date. Bidders shall submit undertaking towards compliance of above as per Appendix-1 along with the bid. If any bidder declines to submit the above undertaking, their bids shall be liable for rejection.			
5.17	The bidder shall submit an undertaking/declaration as per **Appendix-2**. confirming that they have read and understood OIL's Banning Policy and that, neither they nor any of their allied concerns or partners or associates or directors, or proprietors involved in any capacity, are currently on OIL's Holiday/Banning List. Further, the bidder shall confirm that neither they nor any of their aforementioned entities have, during the last three years, been involved in any transgression with any company conforming to the Transparency International (TI) approach or with any Public Sector Enterprise of India that could justify exclusion from the tender process. The bidder shall also disclose details of all such allied entities, if any, as required under the Banning Policy.			
6.0	**PRICE EVALUATION CRITERIA**			
	The bids conforming to the technical specifications, terms and conditions stipulated in the bidding document and considered to be responsive after			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	subjecting to Bid Evaluation Criteria mentioned above will be considered for further evaluation as per the Price Evaluation Criteria given below:			
6.1	Bidders are required to quote for all the items as per **Proforma-B: Price Bid Format**, otherwise the offer of the bidder will be straightway rejected.			
6.2	If there is any discrepancy between the unit price and the total price, the unit price will prevail and the total price shall be corrected. Similarly, if there is any discrepancy between words and figure, the amounts in words shall prevail and will be adopted for evaluation.			
6.3	The quantities shown against each item in the "Price Bid Format" shall be considered for the purpose of Bid Evaluation. It is, however, to be clearly understood that the assumptions made in respect of the quantities for various operations are only for the purpose of evaluation of the bid and the Contractor will be paid on the basis of the actual number of days/parameter, as the case may be			
6.4	The bidders are advised not to offer any discount/rebate separately and to offer their prices in the Price Bid Format after considering discount/rebate, if any.			
6.5	Conditional and unsolicited discount will not be considered in evaluation. However, if such bidder happens to be the lowest recommended bidder, unsolicited discount without any condition will be considered for computing the contract price.			
6.6	In case of identical overall lowest offered rate by more than 1(one) bidder, the selection will be made by draw of lot between the parties offering the same overall lowest price.			
6.7	The inter-se-ranking of the techno-commercially qualified bidders will be determined on overall lowest cost basis (L-1 offer) i.e. considering the Total quoted price inclusive of all liabilities and GST			
6.8	While evaluating the bids, the closing rate (B.C. Selling Rate) of exchange declared by State Bank of India on the day prior to price bid opening will be taken into account for conversion of foreign currency into Indian Rupees.			
6.9	Price Bids shall be evaluated on overall lowest cost to OIL (L-1 offer) basis i.e. considering total quoted price			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	for all services including quoted GST (CGST & SGST/UTGST or IGST).			
6.10	Bidder shall quote same rates for all the Rigs options quoted by them. Bidders quoting different rates (either total or individual item rate) would be rejected.			
6.11	Price Evaluation of the qualified bids will be done on the basis of rates quoted by the bidder as per PROFORMA-B. However, bidders must comply with the limits indicated against each of the following rates: (a) Payment towards mobilization charges for each rig package should not exceed **7.5%** of the total estimated Contract value for the Rig package for four (4) years operation. However, mobilization charges if quoted in excess of **7.5%** of the total estimated contract value, the excess amount shall be withheld and paid at the end of the contract. (b) Payment towards **Standby Day Rate** shall be **90% (ninety percent)** of the Operating Day Rate. (c) Payment towards **Rig Repair Day Rate** and **Stack Day Rate** shall be **50% (Fifty percent)** of Operating Day Rate. (d) Payment towards **Force Majeure Day Rate** shall be 50% (Fifty percent) of Operating Day Rate. (e) Demobilization Charges for each rig package should not be less than **2% (two percent)** of the total estimated Contract value for the Rig package for four (4) years operation. In case de-mobilization charges is quoted less than 2% of the total estimated Contract value, the differential amount will be kept on hold from the 1st invoice onwards and the same will be paid at the end of the contract along with Demobilization charges.			
6.12	Priced Bids shall be evaluated taking into account the rates quoted by the bidders in the PRICE BID FORMAT (Proforma-B) by taking into account the summation of the following: TOTAL ESTIMATED CONTRACT COST FOR THE RIG FOR 4 YEARS CONTRACT DURATION (**including quoted GST and all other Taxes & Duties**): **TT = TM + TD + TODR + TILM0+ TILM1 + TILM2 + quoted GST** Where, (a) Total 'Mobilization Charges (M)' for the Rig, **TM = M x 1 LSM**			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	(b) Total 'Demobilization Charge (D)' for the Rig, **TD = D x 1 LSM** (c) Total 'Operating Day Rate (ODR)' for the Rig, **TODR = ODR x 1336 days** (d) Total Inter-Location Movement charge (Cluster location) for the Rig, **TILM0 = ILM0 x 3 LSM** (e) Total 'Inter-location Movement Charges (ILM1)' for the Rig (For movement within a distance of 30 Kms), **TILM1 = ILM1 x 5 LSM** (f) Total 'Inter-location Movement Charges on Kilometre Basis (ILM2) (For movement in excess of 30 Kms) for the Rig, **TILM2= ILM2 x 420 KM** **NOTE: The above items are defined in Schedule of Rates/Price bid format.**			
6.13	OIL will prefer to deal with registered bidder under GST. Therefore, bidders are requested to get themselves registered under GST, if not registered yet. However, in case any unregistered bidder is submitting their bid, their prices will be loaded with applicable GST while evaluation of bid.			
6.14	Price Bid uploaded without giving any of the details of the taxes (Including rates and amounts) will be considered as inclusive of all taxes including GST. When a bidder mentions taxes as extra without specifying the rates & amount, the offer will be loaded with maximum value towards taxes received against the tender for comparison purposes. If the bidder emerges as lowest bidder after such loading, in the event of order on that bidder, taxes mentioned by OIL on the Purchase Order/Contracts will be binding on the bidder.			
6.15	Input Tax Credit on GST (Goods & Service Tax) for this service is NOT available to OIL & the bids will be evaluated based on total price including GST.			
6.16	If a bidder quotes Total Charges/Consideration as NIL, the bid shall be treated as unresponsive and will not be considered.			
6.17	**CUSTOMS DUTY:** In terms of Sl. No. 404 of the Customs Notification No.50/2017-Cus dated 30.06.2017, imports of the items specified in List 33 of the Notification are subject to levy of concessional rate of customs duty (BCD Nil & concessional IGST) subject to conditions specified therein (Condition No. 48). However, Condition No. 48 along with List-33 of the said notification has been amended vide Customs Notification No. 30/2024-Customs dated 23.07.2024.			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	Bidders shall take note of the prevailing customs notifications including the latest amendment vide gazette Notification No. 30/2024-Customs dated 23.07.2024 while quoting their prices. Bidder should consider concessional Customs Duty only for those items appearing in List-33 therein. Items of import other than those appearing in List-33 of the said gazette notification shall be considered as duty payable on merit basis in their respective bid. OIL shall issue the requisite undertaking/certificate on request from Contractor for availing concessional rate of customs duty only against the items explicitly covered under List-33 of Customs Notification No. 30/2024-Customs dated 23.07.2024 or against any other item(s) subsequently declared by the competent authority during the tenure of the contract to be duty exempted/concessional. However, in the event of refusal/denial by Customs Authority to accord exemption/concession of Customs Duty against import of items which are explicitly covered under List-33 of Notification No. 30/2024-Customs dated 23.07.2024, such applicable customs duty shall be reimbursed at actual by OIL to the Contractor on submission of documentary evidence. Similarly, the items other than those appearing in List-33 of the said gazette notification, if to be imported by the Contractor for the purpose of execution of contract against this tender, the same shall be considered as duty payable on merit basis and the applicable customs duty thereof must be included by the bidder in their respective bid value. OIL will not issue any Undertaking/Certificate towards customs duty concession/exemption for those items (not included in List-33 of Notification) and the duty payable on merit shall be borne by the Contractor. However, any other item if subsequently notified by the competent authority to be Duty free/concessional during the tenure of the contract, OIL will issue requisite Certificate/Undertaking for Contractor to avail the Customs Duty benefit and the duty benefit must be passed on to OIL. Additionally, for all those items against which the bidder considers the Customs Duty on merit, the list specifying the Customs Duty Rate (percentage) may be furnished, so that subsequent increase/decrease in Customs Duty, if any shall be reimbursed/recovered by OIL as the case may be on documentary evidence.			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	Bidders should submit the list of items which are to be imported for execution of the contract against this tender as per **Proforma-A** prudently along with their bid. Undertaking/Certificate for availing concessional rate of Customs Duty shall be issued by OIL only for the eligible items, provide the same are included in the Proforma-A submitted by the bidder.			
7.0	**GENERAL**			
7.1	In case bidder takes exception to any clause of bidding document not covered under BEC, then the Company has the discretion to load or reject the offer on account of such exception if the bidder does not withdraw/modify the deviation when/as advised by company. The loading so done by the company will be final and binding on the bidders. No deviation will however be accepted in the clauses covered under BEC.			
7.2	To ascertain the substantial responsiveness of the bid, the Company reserves the right to ask the bidder for clarification in respect of clauses covered under BEC also and such clarifications fulfilling the BEC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be liable for rejection. Since pre-bid meeting is provisioned in this tender, Company is not obligated to seek any post-bid clarification. However, clarifications if decided to be sought at the option of Company, the same shall be limited to the original submissions only and no independent fresh submission shall be called for/permitted. However, mere submission of such clarification shall not make the offer responsive, unless company is satisfied with the substantial responsiveness of the offer.			
7.3	If any of the clauses in the BEC contradict with other clauses of bidding document elsewhere, the clauses in the BEC shall prevail.			
7.4	Bidder(s) must note that requisite information(s)/financial values etc. as required in the BEC & Tender are clearly understandable from the supporting documents submitted by the Bidder(s); otherwise Bids shall be liable for rejection.			
7.5	OIL will not be responsible for delay, loss or non-receipt of applications for participating in the bid sent by mail and will not entertain any correspondence in this regard.			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
7.6	The originals of such documents [furnished by bidder(s)] shall have to be produced by bidder(s) to OIL as and when asked for.			
7.7	Bidders shall submit duly filled checklists on BEC & other relevant technical criteria as prescribed in the tender along with their technical bid. If any bidder fails/declines to submit the same, their bid shall not be considered for further evaluation.			
8.0	**PURCHASE PREFERENCE CLAUSE:**			
8.1	**PURCHASE PREFERENCE TO MSE BIDDERS:** Purchase Preference to Micro and Small Enterprises is applicable for this tender.			
8.1.1	Provisions such as seeking support (experience, financial strength etc.) from another company (Parent/Subsidiary Company/Sister Subsidiary/Co-subsidiary/ JV Constituent etc.), wherever allowed in the tender document, shall be available to all interested bidders including MSEs. In those scenarios, MSEs quoting on the strength of supporting company will be eligible for Purchase Preference reserved for MSEs, provided they fulfil the following: i. If the bidder is bidding on the Technical Strength of the supporting company, the supporting company shall be MSE ii. If the bidder is bidding on the Financial Strength of the supporting company, the supporting company shall be MSE iii. If the bidder is bidding on the Technical and Financial Strength of the supporting companies, all the supporting companies shall be MSE.			
8.1.2	**Documentation required to be submitted by MSEs:** Categorization and various criteria applicable to MSE bidders shall be guided by the Gazette Notification No. **CG-DL-E-26062020-220191 dated 26.06.2020** and Amendment vide Gazette Notification no. **CG-DL-E-16062021-227649 dated 16.06.2021** and **No. CG-DL-E-19012022-232763 dated 19.01.2022** and **CG-DL-E-06052022-235600 dated 06.05.2022** issued by MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES, and any amendment thereof. The bidder claiming the MSE status (MSE-General, MSE-SC/ST, MSE-Woman) against this tender has to submit Udyam Registration Number with Udyam Registration Certificate along with the technical bid for availing the benefits applicable to MSEs.			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	Note: In case bidding MSE is owned by Schedule Caste or Schedule Tribe or Woman entrepreneur, valid documentary evidence issued by the agency who has registered the bidder as MSE owned by SC/ST/Woman entrepreneur should also be enclosed.			
8.1.3	The purchase preference for price matching shall be given to MSEs in the following order of preference: 1. SC/ST Women-owned MSEs 2. SC/ST owned MSEs 3. Women-owned MSEs 4. Other MSEs All other guidelines issued in respect of benefits to MSEs shall prevail. Bidder claiming above relaxation/ exemption need to submit necessary documentary proof of their eligibility along with their techno-commercial bid. The certificate must be valid as on the bid closing date.			
8.2	**PURCHASE PREFERENCE POLICY (MAKE IN INDIA) (PP-MII):** Purchase preference under Public Procurement (Preference to Make in India) Order, 2017 of Department for Promotion of Industry and Internal Trade (DPIIT), Govt. of India as revised vide Order No**. P-45021/2/2017-PP (BE-II)** dated **16th September 2020** (and as amended time to time) with modifications as notified vide MoPNG Order No. **FP-20013/2/2017-FP-PNG-Part (4) (E-41432)** dated **26th April 2022,** shall be applicable in this tender. Bidders to check the provisions of the Order for their eligibility to bid and seek benefits for Purchase preference, accordingly			
8.3	Single contract shall be awarded for the entire scope of work under this tender subject to concurrent application of Public Procurement Policy for MSE Order 2012 and PP(MII) Order 2017 as per **Order No. F.1/4/2021-PPD dated 18.05.2023** issued by Public Procurement Division, Department of Expenditure, Ministry of Finance, Govt. of India and any subsequent amendment thereto			
8.4	The matching of the total price with the L1 bidder based on the criteria mentioned above shall be as under:			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
I.	In case 'Operating Day Rate (ODR)' of the bidder is higher than the corresponding price quoted by the L1 bidder: i. The 'Total Price' of the bidder shall be calculated by matching the ODR quoted by the bidder to that of L1 ODR. If the 'Total Price' of the bidder after matching the ODR is found to be higher than the total price of the L1 bidder, the differences in the 'Total Price' after matching as above, shall be reduced proportionately or otherwise from the remaining line items where their rates/prices are higher than the L1 bidder to match the 'Total Price' of the bidder to the corresponding price of L1 bidder. ii. In case the 'Total Price' of the bidder after matching the ODR (as stated in Para i. above) is found to be lower than the corresponding L1 price, then ODR shall be reduced in such a way to match 'Total Price' of the bidder with the L1 price.			
II.	In case the 'Operating Day Rate (ODR)' of the bidder is lower than the corresponding L1 price: The difference in the 'Total Price' of the bidder and L1 price shall be reduced proportionately or otherwise from all the line items only where their rates/prices are higher than the L1 bidder, to match the 'Total Price' of the bidder to the corresponding L1 price.			
	Note: The eligibility for MSE & Class-I Local Supplier shall be guided by the PPP-MSE Order & PPP-MII Order respectively as stipulated under Clause Nos. 8.1 & 8.2 above.			
9.0	**VERIFICATION AND CERTIFICATION OF DOCUMENTS BY INDEPENDENT THIRD-PARTY INSPECTION AGENCIES**:			
9.1	Oil India Limited (OIL) has engaged the following 17 (Seventeen) Independent Inspection Agencies for a			

<table>
<tr><th rowspan="2">Clause No</th><th rowspan="2">Description</th><th colspan="2">Compliance by Bidder</th><th rowspan="2">Relevant Page. No. of Supporting Documents</th></tr>
<tr><th>Yes</th><th>No</th></tr>
<tr><td></td><td>period of 04 (Four) years up to 06.06.2028 to verify and certify various documents submitted by the bidders required against BEC of the tender:

<table>
<tr><th>Sl. No.</th><th>Name of Independent Inspection Agency</th><th>Contact E-mail ID</th></tr>
<tr><td>i.</td><td>M/s. Alfred H Knight India Private Limited</td><td>a. rkjain@ahkgroup.com;
b. Pradeep.mathur@ahkgroup.c ;
c. info@ahkgroup.com;</td></tr>
<tr><td>ii.</td><td>M/s. TUV India Private Limited</td><td>a. noida@tuv-nord.com
b. mumbai@tuv-nord.com
c. salim@tuv-nord.com</td></tr>
<tr><td>iii.</td><td>M/s Conformity India International Private Limited</td><td>a. mktg@ciindia.in</td></tr>
<tr><td>iv.</td><td>M/s Ravi Energic Private Limited</td><td>a. baroda@ravienergic.com
b. tpia@ravienergic.com</td></tr>
<tr><td>v.</td><td>M/s SGS India Private Limited</td><td>a. dhaval.vora@sgs.com
b. sgs.india@sgs.com</td></tr>
<tr><td>vi.</td><td>M/s Assure Quality Management Certificati</td><td>a. aqmcs@aqmcs.com</td></tr>
</table></td><td></td><td></td><td></td></tr>
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Clause No	Description			Compliance by Bidder		Relevant Page. No. of Supporting Documents
				Yes	No	
			on Services Private Limited			
		vii.	M/s. IRCLASS Systems and Solutions Private Limited	a. industrial_services@irclass.o b. Bhavesh.satam@irclass.org		
		viii.	M/s. TÜV Rheinland (India) Pvt. Ltd.	a. Shailesh.deotale@ind.tuv.cor b. Kaushal.gohil@ind.tuv.com c. info@ind.tuv.com d. ravi.kumar@ind.tuv.com		
		ix.	M/s Gulf Lloyds (India) Limited	a. contact@gulfllloyds.com b. inspection@gulfllloyds.com		
		x.	M/s Baltic Testing India Pvt. Ltd.	a. office@balticcontrolindia.com		
		xi.	M/s Sanmarg Engineering Validation & Assessment	a. Amitra@sanmargeva.com		
		xii.	M/s Meenar Global Consultants LLP	a. sales@mgellp.in		
		xiii.	M/s Rites Limited	a. nrinspn@rites.com b. info@rites.com c. sbu.ninsp@rites.com		

Clause No	Description			Compliance by Bidder		Relevant Page. No. of Supporting Documents
				Yes	No	
	xiv.	M/s Bureau Veritas (India) Private Limited	a. bvindia.corporate@bureauveritas.com			
	xv.	M/s TUV SUD South Asia Private Limited	a. Hemant.chavan@tuvsud.com b. Jayashree.rane@tuvsud.com			
	xvi.	M/s Adornment Engineers India Private Limited	a. jks@adornmentengineers.com			
	xvii.	M/s TCRC Inspections Pvt. Ltd.	a. admin@tereinspections.com b. ashismallick@teregroup.com c. tenders@teregroup.com			
9.2	Bidders are required to have their following documents verified and certified by any one of the empanelled Independent Third-party Inspection Agencies listed above: (i) **Technical Criteria: All documents sought under Clause no. 3.0 of BEC.** (ii) **Bidder's Certificate of Incorporation, if applicable.** The Inspection Certificate, duly issued by the selected agency, must be submitted along with the Technical Bid. All costs related to verification and certification by the Third-Party Inspection Agencies shall be borne solely by the respective bidders. Payments in this regard shall be made directly by the bidders to the Inspection Agencies. OIL shall not be					

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	held responsible for any payment-related dispute between the bidders and the inspection agencies.			
9.3	The verified and certified documents (as mentioned in Para 9.2 above) must be submitted along with the Technical Bid. Any bid submitted with un-verified supporting documents shall not be considered. However, in case a bidder submits its bid along with all relevant supporting documents as per BEC without getting all/some of them verified by the designated Independent Inspection agency, such bid can be provisionally considered, provided it is accompanied by an **Undertaking by the Bidder on their official letterhead towards submission of the duly verified and certified copies/ Inspection Certificate within 07 (Seven) days from the actual date of bid opening**. No reminders or clarifications will be issued by the Company in this regard, and failure to submit the verified/ certified documents within the stipulated time shall result in outright rejection of the bid , at the sole risk and responsibility of the bidder.			
9.4	The methodology of verification/certification of documents followed by the agencies is broadly as under, but not limited to: (a) It is the sole responsibility of the bidders intending to participate in the tender to thoroughly understand the requirements of the tender, particularly the documents required under BEC. The bidders must present all relevant documents to any of the empanelled third-party certifying agencies for verification/certification. Neither OIL nor the Inspection Agencies shall be responsible for the selection or appropriateness of the documents submitted for verification. It is entirely the bidder's responsibility to ensure that the appropriate documents are verified/certified in support of BEC compliance. (b) The concerned Independent Third-Party Inspection Agencies shall depute their qualified/competent inspector to the Bidder's premises to check the original documents and certify the copies which the bidder shall submit along with their bids.			

Clause No	Description	Compliance by Bidder		Relevant Page. No. of Supporting Documents
		Yes	No	
	(c) On issuance of the Inspection Certificate to the bidder, TPI agency should share a copy of the same to the concerned Purchase officer through e-mail directly (Email ID: contract-global@oilindia.in; zoom.das@oilindia.in). OIL will reserve the right to ask the inspection agencies to verify the documents with source, if required at no extra cost to OIL. Verification/Certification of documents by OIL's empanelled third-party inspection agencies shall not automatically make the bidder techno-commercially-acceptable or eligible for award of contract. **Notes:** (i) Bidder's self-declared undertakings, Audited Balance Sheet & Profit-loss statement and/or CA certificate having UDIN are not required to be verified by the TPI agency. If any documents, LOI/LOA/Contracts, etc., submitted towards BEC are issued by Oil India Limited, such documents need not be verified by TPI agency. (ii) Undertaking from TPI Agency as per format (**Proforma-Z**) enclosed should be submitted along with the Bid. (iii) In case of clarifications sought by OIL against BEC, supporting documents (historical in nature) to those submitted in the original bid will also have to be verified from the same TPI agency which has originally verified their bid documents. OIL shall categorically mention the documents that are to be submitted with TPI verification in the clarification sought. In case the bidder fails to submit the TPI verified documents, as sought by OIL, as part of their clarification, their offer will be liable for rejection.			
10.0	**COMPLIANCE OF THE COMPETITION ACT, 2002:** The bidder shall strictly comply with the provisions of the Competition Act, 2002, more particularly, Section-3 of the Act. Any violation the provisions of the Act shall attract penal action under the Act.			

***PROFORMA* :TECHNICAL SPECIFICATION EVALUATION MATRIX**

Tender No: CDG1754P27

Part-3 SECTION-II TERMS OF REFERENCE / TECHNICAL SPECIFICATIONS / SCOPE OF WORK				
Clause No	**Description**	**Compliance by Bidder**		**Relevant pg. no. of supporting documents**
		Yes	**No**	
1.0	This section establishes the scope and schedule for the work to be performed by the Contractor and describes the specifications, instructions, standards and other documents including the specifications for any materials, tools or equipment, which the Contractor shall satisfy or adhere to in the performance of the work.			
2.0	To drill highly challenging onshore wells in geologically complex areas through hiring of 01 (one) No. of Diesel Electric Drilling Rig (ACSCR or AC-VFD) of capacity 3000 HP (Minimum) with top drive system and associated equipment, tools & services for a period of 04 (four) years. The wells will be vertical or highly deviated for extended reach. The expected displacement is more than 2000 to 3000 meters with MWD nearing to 5000 meter and angle of 50-70 degree. Similarly, the well depths are expected to be up to 6500 Mtrs. Depths of the wells may somewhat increase or decrease at the discretion of the Company within the rated capacity of the rig			
3.0	**AREA OF OPERATION:**			
3.1	The area of the operation will be primarily in the states of Assam & Arunachal Pradesh. The first mobilization will be mostly in the districts of Dibrugarh, Tinsukia, Sibsagar & Charaideo - Assam or Changlang - Arunachal Pradesh. However, if the rig is required to be mobilized in the areas other than Assam & AP, the mobilization charges will be paid on mutually agreed terms and conditions			
3.2	The following information are for general guidelines to the bidders. Company is not responsible for any			

	deviation of figures being spelt out or met with for reason beyond their control. m) Minimum width of the well site approach road = 3.66 m. n) Turning Radius = 15m (Generally), 12 m (exceptionally) o) Minimum overhead clearance = 4.25 m p) Highest recorded wind velocity in Assam = 80 km/hour q) Max. Recorded ambient temp = 45 deg. Celsius r) Min. recorded ambient temp. = 5 deg. Celsius s) Weather Pattern: Frequent rains from April/May to September/ October with Moderate to Heavy rain and Occasional during the remaining period. t) Nature of topsoil: Usually clay/Alluvium/ Unconsolidated. u) Source of water - Through shallow bore wells usually available at well Site. Otherwise from bore well situated at convenient Locations. Depth of bore well in the range of 15 to 50m (normally). v) Average annual rainfall: 250 / 300 cm. w) Humidity - max. 98%. x) Maximum allowable unit load inclusive of fare weight for class AA loading of 50 tons.			
4.0	**SCOPE OF RIG'S SERVICE:**			
4.1	The Service provider(s) shall provide the services of one (01) No. of Diesel Electric Rig Package (AC-SCR or AC-VFD) along with all necessary equipment and personnel as listed and carryout drilling operations including but not limited to coring, round tripping, lowering & setting of casings, completion, abandonment, Production testing, etc. as and when required, and all other associated operations including, rig up, rig down, inter-location movement etc. in accordance with the well drilling, and completion programme to be furnished by the Company before commencement of the operation, which may be amended from time to time by reasonable modification as deemed fit by the Company or under any statutory provisions.			

	The Contractor shall provide mobile waste management services with the Rig package for effluent management (solid and liquid) generated during operation, suitable for meeting the requirements in line with the guidelines of the State Pollution Control Board (SPCB), Ministry of Environment and Forests (MoEF) etc. and also safe disposal of the effluents. Apart from this, the Service provider shall also provide spares for the entire rig package, tools and equipment, fuel (HSD) for running the operations, Lubricant, Water (potable & drill water) and shall carry out drilling with tools & expert supplied by the Service provider. The Service provider shall keep adequate stock of spares at all times for uninterrupted progress of work and make available all items listed in this document ready for use. OIL shall provide suggestion on technical matters on request from contractor. However, the contractor shall be wholly responsible for rendering services as per scope of work. **Note**: Bit programme, mud programme, casing policy, well programme will be approved by the Company			
4.2	**DRILLING PROGRAM** Drilling program will include details of operations related to drilling and testing of vertical and/or deviated wells. The program will be provided to the contractor nearer the time of actual operations. All wells are designated as Exploratory or Development with depths up to 6500 m (approx.)			
4.3	**TENTATIVE CASING PROGRAM (SUBJECT TO CHANGE)**: Most of the wells to be drilled with the rig are planned with minimum 4½" or more casing sizes, depending upon the depths and geological requirements which includes casing and liners in different combinations, i.e., 20" (Surface casing in 26" holes), 13⅝",13⅜" (Isolation casing in 17½" hole), 10¾",10" & 9⅝" (Intermediate Isolation casing in 12¼" and 13⅝" hole) and 7⅝", 7", 5½" and 4½" (Production casing in 9½", 8½" and 6" hole). The tentative casing sizes are mentioned in Table No: 1 below. Based on well requirements casing sizes and grades may change, in such cases company will arrange for handling gears, if not mentioned as above or in Table no: 1. However, the Rig should be capable to handle any size of the casing as per well requirement. **NOTE ON CLAUSE 4.3. ABOVE FOR CONTINGENCY CASING:** In case of any unforeseen circumstances with problem in completing the well with 5½" Production/oil string casing then the well will be completed by running 7" (29 ppf x N-80 / P-110 x BTC) liner in 8½" hole (hanged to 9⅝" casing) & 5" (15 ppf x P-110 x FL4S) liner in 6" hole (hanged to 7" liner) or (6" x 7⅞") expandable liner.			

TABLE NO. 1 CASINGS TO BE LOWERED

Sl No.	Hole section	Description (Casing)	Weight (ppf)	Grade
(i)	26"	20"	94	K-55/X-56
(ii)	24"	20"	133	L-80
(iii)	17½"	13⅝"	88.2	125 ksi (HC*)
(iv)	17½"	13-3/8"	68	N-80
(v)	12¼" x 13½" (Hole Enlargement)	10¾"	60.7	P-110
(vi)	12¼"	10"	73.9	140 ksi (CY**)
(vii)	9½"	7⅝"	29.7	P-110
(viii)	8½"	7"	35	Q125
(ix)	6" x 7⅞" (Hole Enlargement)	6" (Expandable liner)	20.1	E-80
(x)	6"	4½"	12.6	N-80
(xi)	5⅞"	4½"	15.1	Q125

4.4 **PRESENCE OF CO2 & H2S:**

Presence of CO2 is expected in the wells. Presence H2S is not yet recorded at the proposed areas. However, provision of requisite quantity of SCBA (Self-contained breathing apparatus) units with trained personnel for dealing with any H2S/or, any other toxic gas situation to be kept handy.

5.0 **SPECIFICATIONS OF DRILLING RIG**

5.1 **GROUP – 1**

A **MAST AND SUBSTRUCTURE:**

1. "Swing lift" cantilever type self-elevating mast or Bootstrap & substructure with clear height in the range of 152 ft. to 158 ft. and having static hook load capacity of minimum 1,500,000 lbs. (680 MT) with 14 lines strung on traveling block, designed as per API Specifications 4F. **Mast should be designed for 85 mph wind load capacity with a full rack of pipe and 100 mph on a bare mast**. The Sub-structure accommodating the cantilever type mast should have minimum setback load capacity of 800,000 lbs. (362 MT) simultaneously with hook load &/or rotary load

	capacity of minimum 1,500,000 lbs. (680 MT). OIL shall have the discretion to accept/reject Rigs with minor deviations in specifications. 2. Self-elevating or Box-on-Box type sub-structure should have a minimum floor height of **35 ft. (10.6 m)** from ground level with at least **30 ft. (9.144 m)** clear height under rotary beams. Substructure should be suitable to accommodate a 3000HP (minimum) electrically powered draw-works and 37.1/2" rotary table **with independent drive unit. The beams and substructure must be capable of accommodating the MPD equipment**. 3. Mast should be complete with all raising lines, lifting lugs for raising, levelling shims, snubber units and hydraulic jacks. Mast and substructure should be complete with levelling equipment for front and rear shoes and with all required accessories for the operation and erection of the mast and substructure. 4. Heavy duty Racking Platform with a Capacity for racking in combination of at least 240 stands 5½" drill pipe, 20 stands of HWDP and 10 stands of 3½" to 9½", drill collars and 2 stands of 11" drill collars. The length of each single will be in the range 9.14 M to 9.44 M (30 ft to 31 ft) & hence the thribbles length will be 27.43 M to 28.35 M (90 ft to 93 ft). 5. The Racking board (Monkey board / tribbles board) shall be adjustable type and complete with suitable & effective twin seater Emergency Escape Device (EED) (from racking board to ground). Emergency escape device shall conform to relevant BIS/ISO/OISD/Internationally accepted standards. 6. The mast shall be complete with tubing support frame (belly board-optional), air hoist sheave units (2 Nos.), sheave units for rig tongs (2 Nos.), power tong / pipe spinner, tong counterweights (incl. guides & snatch block), etc as per OEM design for carrying out safe drilling, tripping & casing running in operation. 7. The mast shall be complete with 04 (four) sets of dual standpipe clamp for 4 inch or 5-inch OD Standpipes. 8. The mast shall be complete with one air/electric powered counter balanced adjustable casing stabbing board for running casings in length range 2 &/or 3 respectively. 9. The Sub-structure shall be complete with tong back-up posts for rig tongs.			

	10. The Sub-structure shall be complete with minimum two flight stairways one at driller's side and other at off driller's side. 11. Safety climb equipment for climbing up mast ladder up to crown block shall be provided (i.e., the riding ladder to crown block shall be caged (ladder rungs) and there must be 02 (two) DGMS approved FPD (Fall Protection Device) system. 12. The Mast shall be complete with suitably rated crown block assembly (the rated capacity of crown block assembly should not be less than the static hook load capacity of the mast) having working cluster of at least 7 (seven) sheaves of around 60" (1524 mm) diameter, 1 (one) fast line sheave of around 60"(1524 mm) diameter suitable **for 1¾" or 1⅝" or 1½" or as per OEM designed** drilling line and all required pedestals with appropriate sheave units for different lines but not limited to such as cat line, outline, air hoist line, tong lines, survey line etc. The crown block assembly should be complete with one 50 MT or as per OEM design capacity hanging pad eye for hanging the traveling block and TDS (during slipping the drill/casing line) with suitable wire line, shackles, etc. of appropriate length. 13. The mast & sub-structure should be complete with combination ramp (v- door) & stairs, catwalk (preferably two sections) with sufficient quantities of pipe racks for racking casing and other tubular. 14. The mast & sub-structure shall be complete with grasshopper type cable rack or other suitable design as per OEM suitable for elevating with rear floor. 15. **The sub-structure should be complete with One (1) escape slide constructed in steel designed to suit the floor height and to move personnel from the rig floor in an emergency to be provided on driller's side.** 16. The derrick floor, racking board, belly board & crown platform shall be complete in all respects and provided with suitable toe boards and safety railings. 17. The mast should be complete with provisions for installation of 750 Ton rated capacity portable Electric Top Drive System. 18. The sub-structure should be complete with mounting pedestals for air winches, openings for rat and mouse hole assemblies. 19. The sub-structure should be complete with suitable capacity deadline anchor designed as per API Spec. 8C & suitable for use with **1¾" or 1⅝"**			

	or 1½" or as per OEM designed casing / drilling line. 20. Mast and substructure shall be complete in all respects to start operation without any hold up. 21. **Doghouse/Driller's operating cabin** A well designed comfortable doghouse or driller cabin shall be provided with following conformity: **(i)** All electrical equipment used inside Driller's cabin (if applicable) shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standard. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110] **(ii)** Properly designed Driller's console should be suitably located incorporating all required functions to carryout drilling operations safely and with ease. Pressurized type driller's console and foot throttle (if any) should be used in the rig. Air purging system should be provided for the above. **(iii)** Electrical driller's console panel should be suitably located in order to provide driller to operate the rig in ease. **(a)** It should be able to manage, control and monitor rig floor equipment independently and activity-based operations. **(b)** It should be designed to allow easy of operations during Drilling, Tripping and Casing tripping in by providing an efficient and intuitive rig floor command centre. **(c)** It should allow the Driller to supervise and control all drilling-related functions. 22. **BOP TROLLEY BEAMS & BOP HANDLING SYSTEM** One (1) set of BOP trolley beams designed to pin under the substructure floor allowing for front entry of BOP stack with 50 Ton capacity BOP handling system i.e., two (2) Hoists (hydraulic) each of capacity not less than 25 Ton to handle 15 M BOP stack and MPD equipment to be placed on BOP stack **(For necessary certification kindly refer to HSE Specification.)**			

	23. The mast shall be painted strictly as per Aviation/Indian Air Force Standards on deployment and later on whenever necessary. The same shall be specified in the contract. Every alternate mast section shall be painted with red and white paint. The paint may be enamel paint or equivalent. The paint should be freshly made and should be noticeable. Painting may be repeated if required. 24. All Lighting fittings & junction boxes used in the rig mast shall be FLP (Ex-d) type. The light fittings shall be energy efficient, preferably LED type.Two (02) numbers FLP (Ex-d) type night aviation warning lights are to be fitted at the top of the mast. These lights shall be operational at all times from the moment the mast is raised and till the mast is finally lowered irrespective of well operation. As per IAF requirements, specifications for the above lights are:– **Colour of light: Red (Flashing), Light intensity: 10cd.** Additionally, one daylight flasher type aviation warning light is to be fitted at the top of the mast in addition to red aviation warning lights. This light is to be used during daytime when the drilling location is situated within flying zone near IAF airfields. As per IAF requirements, specifications for the above light are: **Colour of light: White (Flashing), Light intensity: 20000cd, Flashes per minute: 20-60 flashes per minute**. 25. The mast shall be provided with **lightening arrestor**. The lightening arrestor shall be grounded with continuous cable, of appropriate insulation, at two separate & distinct points.			
B	**DRAW-WORKS** **1.** Input horsepower rating should not be less than 3000 HP. **2.** Draw-works to be operated by 2/3 nos. of electric motors of suitable capacity either AC or DC. The motors shall be complete with suitable blowers and ducting. The power rating of the Draw Works motor(s) shall match the mechanical power rating of the offered Draw Works. **Bidder shall provide details of all such drilling motors while quoting**. **Note:** All auxiliary motors viz. Blower, Lube oil etc. and other electrical equipment used with Draw-works shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN:60079 standard. Details of certification / test reports			

	confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110.			
	3. The Draw-works to be complete with minimum two braking systems i.e., one suitable auxiliary brake (electro-magnetic type or pneumatic disc/hydraulic calliper or as per OEM design in case of AC-SCR & in case of AC-VFD rig, braking is to be performed with AC motors by generating power in to braking resistors. The motor and frequency drive should be capable of holding full load at zero speed indefinitely). One suitable primary / dynamic / parking cum emergency brake (multi calliper type for AC-SCR rig or equivalent design as per OEM and pneumatically operated multi disc type for AC-VFD rig or as per compatible OEM design). The brake should be complete with all controls, fail safe system, dedicated cooling system, alarm, etc			
	4. The grooving on Draw-works drum should preferably be Lebus type suitable for either **1⅜", 1⅝" or 1½" wire line or as per OEM design.**			
	5. Draw-works should have forward and reverse speed options.			
	6. Draw-works should be equipped with One (1) pneumatically or electronically activated Twin-stop Device – Crown Saver to prevent collision between traveling block assembly and the crown block assembly, Floor Saver to prevent collision between the traveling block assembly and the drill floor. The device should be complete with override & resets buttons.			
	7. Suitable pneumatically or hydraulically operated/actuated make up and break-out catheads for making & breaking joints in the drill string & mouse hole. The minimum operating line pull should be 11.8 MT @ 2000 psi to 14.7 MT @ 2500 psi. The unit should be complete with suitable power unit, remote control panel (for selecting cathead 1 or 2) & all required lines, accessories, fittings, etc.			
	Note:			
	Draw-works may also be without cathead. In this case separate facility for making up & breaking-up of tubular like hydraulic cathead / iron rough neck or similar facility shall be available in the rig.			

	8. The draw-works should be compatible with the mast & sub-structure as indicated above and other drilling equipment mentioned in this section. **9.** Draw-work shall be complete with Suitable in-built lubricating system & provision for manual lubricating point (wherever applicable). **10.** All accessories for draw-works should confirm to API specifications wherever applicable. **11.** Draw-works controls should have the following features: (d) It should be able to manage, control and monitor rig floor equipment in independent and activity-based operations. (e) It should be designed to allow operators to focus on Drilling, Tripping and Casing processes by providing an efficient and intuitive rig floor command centre. (f) It should allow the Driller to supervise and control all drilling-related functions.			
C	**ROTARY TABLE AND ACCESSORIES:** **1.** Rotary table as per API Spec. 7K with minimum 37½" opening and static load capacity of 680 MT, complete with the following. All required accessories shall be provided by the Contractor. The rotary table shall be equipped with an **independent rotary drive unit**, powered by either an **electric motor** or **hydraulic pump**, in accordance with the OEM's standard design. The rotary table shall be capable of delivering **sufficient torque and rotational speed** to perform all drilling operations effectively. The torque handling capacity and speed shall be **not less than the maximum working torque rating specified for the offered rotary table model** All designs shall fully comply with **OEM specifications and API 7K requirements**. **2.** All auxiliary motors viz. Blower, Lube oil etc. and other electrical equipment used with rotary drive motor (if any) shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN:60079 standard. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110].			

	The rotary drive system should have forward & reverse speed options. **3.** The power rating of the Rotary Drive motor (if applicable) shall match the mechanical power rating of the offered Rotary Drive. **4.** The Rotary Drive motor (if applicable) shall be complete with suitable blowers and ducting. **5.** Master bushing (1 no. each of solid and split type) to suit the Rotary table. **6.** Suitable API insert bowls Nos. 1, 2 & 3 respectively. **7.** Complete bushing arrangement for handling all sizes of casing and tubulars as per Table No 1 of Clause 4.3 above and any other tubular specified elsewhere in this section. **8.** Bit breakers & adapter plates to suit above master bushing / Rotary table for the sizes as mentioned in Table 1 as per clause 4.3. **9.** All sizes of lifters and handling tools for bushings & inserts. **10.** False Rotary table to run over 26" & 20 "casing for 5"/5.1/2" D/P. **11. ANTI-SKID SAFETY PAD**: Anti-skid safety pads to be provided on Rotary Table and its surroundings to cover tong swing areas **(For details kindly refer to HSE specification)**.			
D	**TOP DRIVE SYSTEM (ELECTRICAL / HYDRAULIC TOP DRIVE):** 1. One (1) 750 Short Ton (680 MT or 1,500,000 lbs) rated Portable Electric Top Drive Unit complete with all required accessories, tools, controls (TDS drillers console & TDS Control house), cables, connectors, fittings, etc. The top drive unit should be compatible with the Rig package. The top drive unit shall include but not limited to Motor Housing, Motor Housing Guard, Hydraulic Power Unit, Roller-style Carriage, Bail, Pipe Handler, Integral Swivel with Gooseneck & 7500 psi "S-Pipe" assembly and a Shipping/Storage Skid. Drilling Fluids path pressure limit to be around 7,500 psi (517 bar). The unit should be equipped with a 7,500 psi Wash Pipe assembly, forced air cooled AC Drilling Motors, Hydraulic Disc Brakes, Powered Rotating Head, Bail, and Counterbalance with Stand Jump. 2. Motor should have the Cooling System to operate with ambient temperature up to 50 degrees centigrade.			

	3. Torque Requirement: - Maximum Continuous drilling torque- Not less than 35,000 ft-lbs at 100 RPM. 4. Maximum Torque at maximum speed- Not less than 17,000 ft-lbs. 5. RPM range: 0 – 190 (Minimum). 6. Breakout Torque: 50000 ft-lbs (Minimum). 7. Top Drive System control panel shall be housed in Driller's Cabin including RPM & Torque controls. Pressurized type Top Drive System control panel should be used in the rig. Air purging system should be provided for the above. 8. All auxiliary motors viz. Blower, Lube oil etc. and other electrical equipment used with Top Drive System shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN:60079 standard. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110] 9. **ACCESSORIES FOR TDS:** (a) Pair(s) of weldless links of required capacity, size & length suitable for all types of elevators / spiders mentioned in this section. (b) One (1) set of Master bushing wear guide & adapter ring for wear guide for 2⅞" to 5½" OD drill pipes. (c) Any other item for running the top drive unit. **Notes**: (d) Electrical power required to run the top drive unit should be made available from rig's electrical power system. (e) Top drive to be equipped with soft torque system to dampen drill string torsional vibrations & provide constant rotational velocity at the drill bit. (f) Top drive unit should be of either of the following makes. v) AKER MARITINE vi) CAN RIG vii) NATIONAL OILWELL VARCO			

	viii) TESCO. **Note**: Bidder must submit a notarized '**Memorandum of Understanding (MOU)**' between the manufacturer and the bidder for support in the maintenance of Top Drive System during mobilization. Bidder must submit an undertaking in this regard along with their technical bid.			
E	**PIPE CONNECTION HANDLING SYSTEM:** One (1) pipe connection handling system (i.e., ST-100 Iron Roughneck or similar equivalent) for tubulars described in this section			
F	**TRAVELING BLOCK (AS PER API SPEC. 8C):** The traveling block shall meet, but not limited to the following minimum specification: 1. Minimum API working load rating = 750 Ton (680 MT). 2. Number of sheaves = 7 (seven) Nos. of around 60" diameter and grooved for **1⅜", 1⅝" or 1½" wire line or as per OEM design.**			
G	**SLUSH PUMPS** 1. 03 (Three) nos. 2200 HP (minimum) each, 7500 psi rated Slush pumps, complete with replaceable cylinder Liners of various sizes of diameter to achieve desired discharge (i.e., combined two pump output) and pressure at rated SPM to meet operational requirements with matching motors. The pumps should be suitable for continuous heavy-duty application. 2. Maximum discharge pressure of 7500 psi. (Discharge 390 GPM (US) minimum at 7500 psi and 950GPM(US) at 3376 psi). 3. Apart from standard accessories, each pump shall be equipped with 7500 PSI WP strainer cross, 7500 psi pulsation dampeners, reset relief valve, pressure gauge, bleed valves, inline suction stabilizer. **Notes:** Valid hydraulic test /calibration certificates to be provided wherever applicable. Detailed technical specification of slush pump motor should be provided in technical bid. 4. Drive media must be specified by the bidder. 5. **PARALLEL PUMPING**: The high-pressure mud delivery pipe network should facilitate operation of any two pumps (parallel pumping) at any given point of time.			

	6. Nature of pumping job should include, but not be limited to, pumping of drilling fluids, completion fluids, pre-flushes, water – both treated and plain. 7. The slush Pumps shall be provided with Mud Pump Console located near the Slush Pumps. Each of the slush Pump can be operated from the Mud Pump Console, if required.			
H	**SUCTION AND DELIVERY SYSTEM:** Each item shall be at-least 7500 psi WP rating (wherever, details of pressure are not given) **1.** All suction & delivery lines and hoses along-with fittings must be able to handle the maximum required pressure & volume of drilling fluid. All delivery lines & hoses with fittings must have relevant API certificates (e.g., API 5L for mud line, API 7K for vib. Hoses etc.) which are to be submitted for evaluation. Suitable suction line provision should be there between water tanks and slush pumps manifold. **2.** Cameron or equivalent 5" or 4" NPS x 7500 psi WP dual standpipe of suitable length with "H-manifold" to match the operating conditions with range 2 drill pipes complete with pressure gauge of 7500 psi, gooseneck bend, hammer union or uni-bolt couplings for making up rotary hose with safety clamp attached. **3.** Two (2) rotary hoses of approximately 3.1/2" ID, 7500 psi working pressure with suitable connection to make up on to the standpipe and rotary swivel /top drive unit as per API spec. 7K with Safety Clamps. The length of Rotary hose should suit the rig for drilling operations. **4.** There shall be 7500 Psi working pressure gate valve on each mud delivery manifold for isolating each slush pump. **5.** Pressure bleed offline with valve from each HP mud pump shall be provided and the bleed discharge shall be to the active mud system without any bends and change in diameter in between. The HP bleed line to be anchored properly to avoid vibration and prevent accident. **6.** H-manifold shall have arrangements for hole fill-up line and kill line connections of suitable sizes with Gate valves. **7.** Necessary anchoring arrangement of all high-pressure delivery lines to be provided. **8.** The HP mud pump safety valve shall discharge to the active mud system. The HP pipe downstream			

	from the safety valve shall always be self-drained. The downstream pipe shall be anchored properly.			
	9. 03 (three) nos. of motor driven centrifugal pumps to be provided for supercharging the mud pumps. Each pump must be compatible to handle Mud having weight up to 20 ppg with appropriate independent suction & delivery manifold mounted on an oil field skid and bidder must categorically confirm the same. Each Supercharger pump must be able to take suction from any of the suction/active tank through a common suction manifold with proper valve system & deliver mud to any of the Slush pump at any point of time with the help of a suitable delivery manifold with proper valve system.			
	10. Sufficient no. of additional intermediate 7500 psi WP pipes (conforming to API 5L) & 7500 PSI WP vibratory hoses (Grade -E, API 7K), to facilitate extension of the delivery pipe for drilling a minimum of 1 (one) +3 Nos. of cluster wells. [i.e., Total length of additional lines/hoses= (3 x Spacing between two consecutive wells) x 2] Bidder to specify the minimum spacing between two consecutive cluster wells.			
	11. **GROUND JUNCTION MANIFOLD**: 7500 psi rating ground junction manifold with compatible isolation valves shall be provided to facilitate operation of any single slush pump or any combination of pumps at any given point of time for un-interrupted drilling operation. Ground manifold should be equipped with a 2" inch bleed of point with gate valve of suitable rating.			
	12. All delivery lines and fittings shall be NDT inspected as per API standard &/or OISD standards every 6 months of drilling. The Contractor shall also provide documentary evidence of API standard &/or OISD standards inspection carried out on delivery lines and fittings at the time of mobilization.			
	13. Contractor shall submit Calibration/Pressure Test certificates as per standard guidelines for all the Pressure gauges & Reset Relief Valves during mobilization. (111. Apparatus under pressure. -(8), OMR,2017).			
	14. Contractor shall colour code all the surface lines like Mud lines, water lines, rig air lines, ring line etc as per IS 2379 (1990): Colour code for identification of pipelines.			
	15. **ELECTRICAL COMPLIANCE:** Supercharger pump motor and other auxiliaries viz. junction boxes etc. shall be FLP (Exd) type.			

	[Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110].			
I	**POWER PACK:** Diesel electric AC-SCR or AC-VFD system complete with the following: **I.1) ENGINES** Minimum 5 (Five) Nos. diesel fuel driven Oilfield engines each having minimum 1000 HP rating to meet the maximum power requirements of the Rig at the maximum possible load (Well depths (TVD) are expected to be up to 6500 Mtrs and extended reach upto 3000 meters. Each power pack should be complete with matching alternator. The alternators (with the engines) shall be suitable for parallel operation. The fuel for the engines should be freely and easily available in India. The power packs should have acoustic enclosures conforming to latest CPCB/MoEF norms (applicable Indian Noise Pollution & Emission norms). The exhaust Stack height of each Power pack shall conform to latest CPCB guidelines for DG sets of above 800KW (as per Environment Protection Act 1986). Engine shall be equipped with spark arrestor in exhaust muffler. Documentary evidence in support of above (i.e., acoustic enclosures & Stack height) should be offered during mobilization of the Rig package. **1.** The number of control panels, for the alternators, inside the PCR shall exactly match the number of Rig Power-Packs offered. **2.** All the five alternators should be able to synchronize to same bus and share load equally. **3. The above power pack shall conform to the following:** **(i)** Power pack and SCR House or AC-VFD system control room to be place outside hazardous area, i.e. at a distance of 30 meters (Minimum) from the well center. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110]. **(ii)** All components shall be suitable for following ambient conditions: Temperature: Max. 45deg.C& Min. 05 deg.C Humidity: Max. 95% & Min. 60%			

	Altitude: 100 to 300 M AMSL. **(iii)** Suitable de-rating factor shall be taken into account while choosing electrical / electronic components for high ambient temperature condition. **(iv)** Engine cooling system shall be designed to withstand above temperature condition and the radiators shall be suitable for maximum 45 deg C ambient temperature. **(v)** Adequate air cleaning system and filters shall be provided on all engines to protect these from dust. **(vi)** Power pack and electrical controls of the rig shall be complete in all respect to carry out drilling operations to the objective depth. The system shall meet the detailed technical specifications of rig electric system furnished in this document. **(vii)** Fixing arrangements of outdoor luminaries (if any) shall be such that this can be installed and dismantled quickly and easily for transportation during the inter-location moves. **(viii)** All the power packs shall have minimum 01 no of **Automatic fire detection and suppression system** as per OISD. **I.2) AUXILIARY GENSETS:** **1.** Offer shall include smaller genset(s) fitted with PESO approved spark arrestor(s) having CPCP approved Acoustic enclosure & exhaust stack height (conforming to latest CPCB norms) suitable for producing and supplying AC power as and when required. **2.** Bidder shall provide details of such gensets in their offer. **3.** All the IC engines shall be equipped with min 01 no of **Automatic fire detection and suppression system** as per OISD.			
J	**POWER CONTROL ROOM (PCR):** The PCR should be suitable for diesel electric AC-SCR or AC-VFD system. **1.** Rig package shall be complete with all electrical power & control system including drive control cubicles, generator control cubicle, Auxiliary control cubicles/panels to match the auxiliary loads of mud system, water system, fuel system and air system mentioned in this section. Bidder may also quote for one single PCR, if the rig design			

	permits. However, bidder should provide physical dimensions and weight of all the PCRs offered, along with the bid. **2.** SCR / VFD System - Suitable SCR / VFD system should be of reputed make. Bidder should indicate detailed technical specifications in techno-commercial bid. **3.** Bidder to submit the layout diagram of rig along with their offer showing the placement of power pack at a minimum distance of 30 m from well head. **4.** Individual electrical panel for each Slush Pump (03 nos.) for simultaneous operation and Draw-Works shall be available and all drilling motors shall always be connected to PCR. The system should facilitate for running any two slush pumps parallelly in any combination at any point of time. Also, facility to assign/control each of the three (03) Slush pumps shall be available at D'Console. **5.** **SMOKE DETECTION SYSTEM**: All the PCRs shall have Smoke detection System, with applicable alarm and indication as per requirement of OISD Std. No: 216 (7.1(xxiv)) for Electrical Safety			
K	**EMERGENCY HOOTER:** The rig should be equipped with one emergency hooter.			
L	**EMERGENCY SHUT OFF SYSTEM:** A pneumatically operated emergency shut off device shall be located in driller's panel and at suitable strategic location. Separate emergency shutdown system shall be provided for generator shut down and drive system shut down.			
M	**EMERGENCY ALARM:** An electrically operated emergency alarm with provision for operating the same from driller's console should be provided			
N	**CAGED LADDER, RIDING BELT, FALL ARRESTOR AND EMERGENCY ESCAPE DEVICE ETC.:** The riding ladder to crown block shall be equipped with fall arrestor/device. The fall prevention device should meet all applicable Indian or international standard to prevent persons from falling. The ladder shall be equipped with landing platform as per statutory guidelines. A suitable riding belt to be provided to meet any emergency or to carry out repairs above derrick floor. Suitable & effective emergency escape device from racking board to ground shall be provided. All safety guidelines will be guided by OMR'2017.			
O	O) A flame proof intercom complete system shall be provided between doghouse, PCR room, mud pump, mud attendant's cabin, geologist's cabin, company			

<table>
<tr><td></td><td>representative's office and OIL's service provider's operational room.</td><td></td><td></td><td></td></tr>
<tr><td>P</td><td>CELLAR PUMPS: Cellar pump should be able to transfer/evacuate Drilling fluid/ cuttings/slurry from bottom of the cellar pit (cellar depth=7 ft approx.) to the height of possum belly/ mud nullah without cellar being overflown

The pump to be driven by explosion proof electric motor or other means (e.g., pneumatic etc.) complete with all suction and delivery lines, for cellar evacuation.

Pump should be suitable for class I, division 2 hazardous areas (as per OSHA) or Zone-I (as per DGMS guideline) and gas group I, IIA & IIB and with Flexible coupling. Alternately, a suitable cellar ejection system is also acceptable.

Cellar pump motor and other auxiliaries viz. junction boxes etc. shall be FLP (Ex-d) type. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110].

Remote PBS placed in hazardous area should have intrinsically safe circuits with a maximum of 30 Volts. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 102(iv)].

Note for Group - I:

Contractor shall provide maintenance schedules as per OEM of all the critical items like Draw-works, TDS, mud pumps, IC engines etc. prior to completion of mobilization.</td><td></td><td></td><td></td></tr>
<tr><td>Q</td><td>HYDRAULIC POWER SLIP:

<table><tr><th>SL NO</th><th>SPECIFICATION</th></tr><tr><td>1</td><td>The slip shall be used for casing, drill pipes, drill collars and tubing of different sizes with single body and suitable size slip inserts/bushings</td></tr><tr><td>2</td><td>The product shall be conforming to API-7K and API monogrammed.</td></tr><tr><td>3</td><td>Hydraulic Power requirement shall be met from the centralised Hydraulic Power Unit (HPU)</td></tr><tr><td>4</td><td>Power slip shall be integrated with driller's control system (Driller's cabin)</td></tr><tr><td>5</td><td>The slip shall be supplied with bushings/inserts for tubular range as mentioned below.</td></tr><tr><td>6</td><td>Technical Specification:</td></tr></table></td><td></td><td></td><td></td></tr>
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7	Rotary size	37½"
8	Load Rating	500 Short Ton
9	Torque	45,000 ft. lbs
10	Range of tubular	
11	Drill pipe	2⅜", 2⅞", 3½", 5", 5½, 6⅝"
12	Drill collar	3½, 4¾", 6¾", 6½", 8", 9½"
13	Casing	4½", 5", 5½", 7", 7⅝", 9⅝", 10", 10¾", 13⅜", 20" and 26"
14	Tubing	2⅞", 3½"

R						

AUTOMATED CATWALK/HYDRAULIC CATWALK.

Power Catwalk consisting of Catwalk, Pipe rack, Carrier, V-door rack, fully automated control system with additional Remote-control unit(s), Hydraulic unit for power catwalk system and other associated items.

Sl. No.	**HYDRAULIC CATWALK: FEATURES**
1	One (1) Hydraulic Catwalk suitable for Rig floor height (minimum 35 Ft)
2	It should be capable of handling pipes (Drill pipes, Drill Collars, Casing and Tubing) of diameter 2 3/8" to 24" including 10" drill collars. Bidder to indicate Cycle speed of hydraulic catwalk.
3	Remotely operated hydraulic Gull wings shall be provided on both sides for aiding in the process of handling tubular from both sides.
4	The unit complete with Pipe Indexers, hydraulic levelling jack, Tubular lay down shovel, emergency stop button strategically placed shall be provided
5	V-door ramp functionality shall be maintained if Hydraulic catwalk control system is not working.
6	**Technical Specification:**

7	Lifting capacity	10,000 lbs
8	Tubular range:	
	Drill Pipe	2 3/8" thru 6 5/8" OD
	Drill Collars	Upto 10" OD
9	Hydraulic Catwalk Controls	
10	The unit shall also have provision for wireless remote operation control as well as from the unit	
11	Catwalk should have an inbuilt system to automatically measure pipe lengths and input to drilling control system for making pipe tally automatically.	
12	The hydraulic catwalk should be designed to facilitate ease of transportation so that the overall dimensions of individual components after disassembly for inter location rig movement are within the limit of overall dimensions for transportation with and without skid respectively, irrespective of total length of the hydraulic catwalk in assembled condition.	

Note:

1. Pipe Racks with indexers to transfer tubular to and from either side of the catwalk.
2. Tubular Handling capabilities of hydraulic carrier: Carrier to allow presentation of tubular to drill floor at correct angle and height to facilitate a safe and efficient transfer to and from the elevator. Carrier to have safety pins that engage automatically to prevent inadvertently rolling off of tubular from carrier with separate hydraulic power unit.
3. Fully automated control system with safety features and additional remote-control unit to be operable from a safe distance.

Catwalk, pipe rack system and V-Door ramp to be usable as conventional system for handling bigger/ heavier tubular.

Note:

	Bidder must submit a notarized 'Memorandum of understanding (MOU)' between the manufacturer and the bidder for support in the maintenance of the **Automated Catwalk/Hydraulic Catwalk** system during mobilisation. Bidder must submit an undertaking in this regard along with their technical bid.			
S	**HYDRAULIC CASING RUNNING TOOL:** Hydraulic Casing Running Tool (CRT) that can be attached to TDS with torque-turn capability integrated into the drillers console and rig control system. Hydraulic lines for operation of CRT shall be integrated in the TDS to minimize rig up and down time. The CRT shall be capable of handling 4½" upto 26" casings sizes both API and Premium types.			

1.0	**CASING RUNNING TOOL (CRT):** One (1) Casing Running Tool (Preferred Make: National Oilwell Varco, Baker Hughes, Tesco or Weatherford), for lowering casing of sizes 4½" to 13⅜" by connecting to the Top Drive System main shaft. The casing running tool (CST) should be able to hoist, lower, spin out and make up the casing connection. It should also have the ability to fill up and rotate the casing string while circulating.	
SYSTEM COMPONENTS:		
1.1	Hoist and Torque Tool.	
1.2	Adjustable Link-Tilt Frame.	
1.3	Pipe Weight Compensator.	
1.4	Pipe Sensor.	
1.5	Single Joint handling assembly (Hydraulically operated single joint elevator, cylinder assembly for link tilt / Link tilt assembly, frame for housing the components).	
1.6	Hydraulic / Air Swivel	
1.7	Fill up and Circulating Tool	
1.8	CRT Monitor.	
1.9	Hydraulic Controls and Hydraulic Power Unit	
1.10	Hoist and Torque Tool.	
SPECIFICATION:		
1.11	Hoist Rating (API 8C)	500 short ton
1.12	Casing Size	4½, 5", 5 ½", 7", 7⅝, 9⅝, 10, 10¾" and 13⅜"

		1.13	Fill Up and Circulation	4.1/2" to 9-7/8" Fill up & circulation			
		1.14	Maximum Circulation Pressure	5000 psi			
		1.15	Rotational Speed	0 – 20 RPM			
		1.16	Maximum Push down Force	5,000 psi / 34,500 kPa 5,000 psi for 4-½" to 5-½" casing 4,000 psi for 7" casing 2,000 – 2,500 psi for 9-⅝" to 9-⅞" casing			
		1.17	Maximum Torque	35,000 ft-lbs.			
		1.18	Compensator Capacity @ 90 psi air supply	8,500 lbs (3,900 Kg)			
		1.19	Link Tilt out distance	15 FT (4.5m)			
		1.20	Shaft Connection	NC50 (4-½" IF) API RH Box Or 6-⅝" Reg API RH Box with cross over to 4-½" IF API RH Box			
	<u>Note</u>: Bidder must submit a notarized 'Memorandum of understanding (MOU)' between the manufacturer and the bidder for support in the maintenance of the **Hydraulic Casing Running Tool** during mobilisation. Bidder must submit an undertaking in this regard along with their technical bid.						
5.2	**GROUP – II**						
5.2.1 A)	**BOP STACK AND WELL CONTROL EQUIPMENT (As per applicable API specifications):** All items including but not limited to those mentioned below shall be supplied by the contractor. **BOP STACKS / SPOOLS** **1.** One no. 26.3/4"x 3M Drilling Diverter spool of 1000 psi rating complete with all necessary fittings and 2 (two) nos. of suitable side outlets minimum 8" diameter.(OPTIONAL) **2.** One no 21.¼" x 2M OR 20.¾" x 3M Annular BOP (Cameron/Cameron Schlumberger/ Shaffer/Shaffer – NOV /Hydril/Hydrill- GE/ WOM) make only with bottom flange/ adopter flange to fit with 20.¾" x 3M working pressure, drilling spool.						

	3.	01 (One) ***double ram BOP, 21.1/4" x 5000 psi*** (Cameron/Cameron- Schlumberger/ Shaffer/Shaffer – NOV /Hydril/Hydril- GE/ WOM only) having top & bottom flange of 21.1/4" x 5 M Working Pressure with ***blind and pipe Ram for 5.1/2" OD D/P S grade.*** (OPTIONAL)			
	4.	*One no. 21.¼"x2M OR 20.¾"x3M Drilling Diverter spool of 1000 psi rating complete with all necessary fittings and 2 (two) nos. of suitable side outlets not less than 7.1/16" OD and 30" overall length to be used with 21.¼"x2M OR 20.¾"x3M Ann BOP. This item must be compatible with item no (i) above and to be installed on top of Company provided 20. ¾"x3M Casing Head Housing.* ***Note**: In case of 21.1/4" x 2M Drilling Diverter system, a suitable double studded cross-over flange or cross-over spool i.e. 20.3/4" x 3M to 21.1/4" x 2M complete with all required studs, nuts, ring joint gaskets, etc. should be provided for installation of 21.1/4" x 2M Drilling Diverter over the 20.3/4" x 3M Casing Head Housing.*			
	5.	01 (one) Single RAM BOP (Cameron/Cameron-Schlumberger/ Shaffer/Shaffer – NOV /Hydril/Hydril- GE/ WOM only) 20.3/4" x 3M or 21.1/4" x 2M with sets of blind rams, 13.3/8" & 5.5" pipe ram. ***Note***: *a) In case of 21.1/4" x 2M a suitable double studded cross-over flange or cross-over spool i.e. 20.3/4" x 3M to 21.1/4" x 2M complete with all required studs, nuts, ring joint gaskets, etc. should be provided for installation of 21.1/4" x 2M Single Ram BOP over the 20.3/4" x 3M Casing Head Housing.)* *b) Both Annular BOP as well as Single Ram BOP should be of same size and rating i.e. either these should be 21.1/4" x 2M or 20.3/4" x 3M.*			
	6.	01 (One) minimum ***13.⅝" x 10000 psi Annular/Spherical BOP*** with bottom flange of 13.⅝" x 15 M Working Pressure (BOPs (Cameron/Cameron Schlumberger/ Shaffer/Shaffer – NOV /Hydril/Hydrill- GE/ WOM) make only.			
	7.	01 (One) ***double ram BOP, 13.5/8" x 15000 psi*** (Cameron/Cameron- Schlumberger/ Shaffer/Shaffer – NOV /Hydril/Hydril- GE/ WOM only) having top & bottom flange of 13.⅝" x 15 M Working Pressure with ***blind Shear ram of minimum capacity to shear 21.9 PPF 5.1/2" OD D/P S grade***, Variable Rams to cover 4½" to 10¾"			

	sizes of tubulars. The BOP shall be complete with at least 2 (two) 3¹/₁₆" x 15 M flanged side outlets (i.e., one beneath each set of rams), ring joint gaskets, blind flanges and required stud & nuts. **8.** 01 (One) ***single ram BOP, 13.5/8" x 15000psi*** (Cameron/Cameron- Schlumberger/ Shaffer/Shaffer – NOV /Hydril/Hydril- GE/ WOM only) having top & bottom flange of 13.5/8" x 15 M Working Pressure with 10¾", 10", 9⅝", 7⅝", 7", 5½", 5", 4½", 3½" and 2⅞" rams and 4½" to 10¾" ***variable pipe ram***. The BOP shall be complete with at least 1 (one) 3.1/16" x 15M flanged side outlets (i.e. beneath the set of ram), ring joint gaskets, blind flange and required stud & nuts. **9.** 01 (One) double ram BOP 11" x 15M (Cameron/Cameron- Schlumberger/ Shaffer/Shaffer – NOV /Hydril/Hydril- GE/ WOM only) having top and bottom flange of 11" x 15 M, Working Pressure 15000 psi, with 3.1/2", 2.7/8" and 2.3/8" pipe and blind rams. The BOP shall have be complete with at least 2 (two) 2.1/16" x 15M flanged side outlets (i.e., one beneath each set of ram), all required ring joint gaskets, studs & nuts and blind flanges. and required. Additionally, following accessories shall be supplied with the BOP: (g) Changeover flange of 2.1/16"x 15 M with 2" x 1502 hammer union; (h) Cross-over flanges, 2.1/16" x 15M to 3.1/16" x 15M (for connecting to 3.1/16" x 15M choke & 2.1/16" x 15 M kill manifold). (i) API gate valve, 2.1/16", flanged end, 15000 psi WP. (j) Double studded crossover flange, 11", 15M to 10M as well as 15 M to 5 M. **10.** Drilling Spool, Spacer spool, Change Spool with all accessories for nipple- up of above BOPs to be provided. **11.** One set of suitable Top seal plus front packer elements and 1 set of blind rams should be supplied with the above BOP's. **12.** BOP's should have crossover / Adapter flange to match 5000psi & 10000 psi well head i.e., 13.⅝" x 5000Psi, 13.5/8" x 10000 psi, 11" x 10000Psi. **13.** The Contractor shall provide the following: f) New and unused Ring joint gaskets for all flanges with sufficient quantity as spares.			

	g) Adequate no. of studs & nuts for all flanges and wrenches to suit all nuts. h) Operational spares for contractor's BOPs both annular and ram, including ram sub-assemblies of sizes to suit various tubular sizes including blind ram. i) Annular BOP sealing element. j) Maintenance / overhauling / repair services for above BOPs. **14. DRILLING SPOOL** c) 20.¾" x 3000 psi: 1 No.: (30" - 36" high). d) 13.⅝" x 15,000 psi: 1 No. (18" - 20" high). **Notes**: (i) With facility for hooking up choke / kill lines having flanged side outlet of 3.1/16" in the same plane but in opposite directions. (ii) 21.1/4" x 2000 psi drilling spool is also acceptable in case the annular & and single ram BOP offered are of 21.1/4" x 2000 psi rating. **15.** Cross-over/adapter spool with bottom flange of 20.¾" x 3000 psi and top flange of 21.1/4" x 2000 PSI – 01 No. **16.** One no. adapter spool of either 18.3/4" x 5K (Bottom Flange) – 20.3/4"x3K (Top Flange) if offered Annular BOP is 20.3/4"x3K **OR** 18.3/4"x5K (Bottom Flange) – 21.1/4"x2K (Top Flange) if offered Annular BOP is 21.1/4"x2K. Accordingly, Bidder has to supply required spacer or drilling spool for height adjustment. **17.** Companion flanges of appropriate sizes and numbers and suitable for all BOP outlets, kill, choke, check valves and lines etc. **18.** All BOPs shall be complete with sufficient numbers of studs with nuts & ring joint gaskets. **19.** Suitable risers with provision for hole filling line. **20.** Poor boy swivel and d/pipe shut-in valve 15000 PSI WP with compatible R/hose & D/pipe connections. **21.** The contractor shall bring adequate quantity of studs, and ring joint gaskets and wrenches for hooking up all the above sizes of stacks and also for replacement of damaged ones. **22.** The ultimate responsibility of making the well head complete lies with the contractor. Contractor shall			

	identify and bring all other items, which are not mentioned above but required to carry out drilling operation. (Well head stack-up drawing can be provided to the Contractor prior to mobilization). **23.** Bidder should provide a schematic diagram with the dimensions of BOP stacks for different sizes and stages of completion. **24.** All above BOPs should be hydraulically operated with hydraulic/ manual locking arrangement. **25.** BOPs to be installed, tested & operated as per API RP53. **26.** All Adapter flanges, spools, DSAs, flanges, etc. shall be as per API Spec 16A, Latest Edition. **Notes:** **a)** BOPs should be either brand new or re-certified. **b)** In case of Brand new BOPs, the make should be as enlisted above in the **Clause No- A.** **c)** In case of recertified BOPs, recertification should be done as per OISD RP 174 (latest edition), As a proof of recertification bidder should submit the certificate of conformance (COC. **d)** All pressure gauges and safety valves on the BOP control unit and remote panel should be calibrated at least once in every six months as per OMR 2017. **e)** BOP control lines from control unit to BOP stack should be pressure tested at maximum operating pressure on installation as per OISD-RP-174. **f)** The Certificate of conformance (COC) should not be more than 01(One) year old or the certificate should be valid covering the primary contract period including extension, if any from the completion of mobilization of the Rig package. However, if recertification is older than 01 year and validity of recertification does not cover the contract period, then Contractor should arrange to recertify the BOP during the execution of contract by providing replacement & acceptable BOP (having valid recertification in case of old BOP). If Contractor fails to provide replacement BOP while sending it for recertification but Company decides to			

	continue normal operation, then it will be considered as short supply item and applicable penalty shall be levied on Contractor as per contractual T&C. **g)** T3 Energy and NOV T3 Energy make for Well Control Equipment will be allowed; however, it must be as per SoW for technical specification and certification. **B) CHOKE & KILL MANIFOLD (As per API Spec. 16 C**) **1.** One set of 3.1/16" x 15,000 psi choke and 2.1/16" x 15 m kill manifold rigidly supported, with two each of manually and hydraulically operated chokes. As per API Spec. 16C, Latest Edition, including control console mounted at derrick floor showing all necessary parameters. **2.** In case of recertified Choke manifold, recertification should be done as per OISD RP 174 (latest edition), following API 16 C (latest edition) guidelines by an API 16C approved facility having API 16C/API Q1 certification for the specific type of choke manifold. As a proof of recertification bidder should submit the certificate of conformance (COC) and API 16C/API Q1 certification of the facility where it is recertified. The Certificate of conformance (COC) should not be more than 01(One) year old or the certificate should be valid covering the primary contract period including extension, if any from the completion of mobilization of the Rig package **Notes:** (a) Kill lines should be minimum 2" nominal size and choke line should be minimum 3" nominal size. (b) Size of choke line and choke manifold should be same. Minimum nominal inside ID for downstream chokes shall be equal to or greater than the nominal connection size of the choke inlet and outlet. **3.** The drilling spool should have side valves consisting of two each of manually operated and hydraulically operated gate valves, on two sides, size - 3.1/16" x 15,000 psi along with one number of check valves on kill line Or The drilling spool should have side valves consisting of two each of manually operated and hydraulically operated gate valves, on two sides, with one size - 3.1/16" x 15,000 psi (For Choke line) and 2.1/16" x 15,000			

	psi (For Kill line) along with one number of check valves on kill line.			
	4. BOP/Drilling Spool side valves should consist of two each of manually operated and hydraulically operated gate valves, on two sides, with size - 3.1/16" x 15,000 psi (For Choke line) and 2.1/16" x 15,000 psi (For Kill line) along with one number of check valves on kill line.			
	5. Kill lines and choke lines, articulated or flexible (Co-flexi preferred) of sufficient lengths to match drilling spool side outlet connections and kill/choke manifold connections. **NOTE**: Kill pump will be placed at least 150 ft away from well bore).			
	6. 15000 Psi WP rigidly supported kill manifold with provision for connection onto slush pumps and high-pressure killing pump by means of 2" ID x 15000 Psi chicksan hoses.			
	7. Adequate number of 2" ID x 15000 Psi chicksan hoses for hooking up well killing pump, test lines, emergency kill line etc.			
	8. Choke & kill manifolds shall be complete with all necessary studs & nuts, ring joint gaskets & fittings etc.			
	C) BOP CONTROL UNIT (As per API Spec. 16 D)			
	i) One (1) No. Koomey or internationally fields proven reputed make skid mounted accumulator & Control Unit for BOP, 3000 Psi WP to suit BOP and choke & kill manifold configuration with two remote controls, adequate reservoir capacity to meet all the requirements & complete with skid mounted pipe racks to keep the control unit at about 150 ft. away from the well. The unit shall consist of adequate number of accumulators of 11/15 gallon capacity each, & complete with necessary pressure actuator switches to make unit both automatic & manual. Bidder to forward the work sheet indicating the reservoir capacity & accumulator capacity along with the techno-commercial bid.			
	ii) Arrangements for charging the accumulators with nitrogen, as and when required.			
	iii) BOP control unit shall be complete with at least two pump systems, each having independent dedicated power sources, electrical and/or air			

	operated pressurizing system, capable of pressurizing up to 3000 psi. as per API Spec 16D guidelines.			
	iv) In case of recertified BOPCU, recertification should be done as per OISD RP 174 (latest edition). The Certificate of conformance (COC) should not be more than 01(One) year old, or the certificate should be valid covering the primary contract period including extension, if any from the completion of mobilization of the Rig package			
	v) Adequate number of hydraulic accumulators, adequate capacity reserve tanks and all necessary fittings for safe operation of the BOP stack as specified earlier. OIL reserves the right to increase/decrease the reservoir / accumulator sizes.			
	vi) BOP remote control unit with graphic visual display, one on the derrick floor and another on the opposite side, at least 150' feet (46 Mtrs.) away from the well bore.			
	vii) BOP motor and other electrical equipment viz. starter, junction box, PBS etc. used with BOP system shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110].			
	viii) **There shall be an automatic Ex-certified emergency lighting system at the BOP control unit**.			
	ix) Sufficient number of high-pressure control lines shall be made available in pipe rack for connection between BOP & control Unit placed 150' away. Also, adequate length of air hose bundles for connection of both remote-control panels.			
	x) The pre charge pressure of Nitrogen in accumulator control unit bottles should be adjusted within 100 psi of the recommended precharge pressure during installation and at start			

	of drilling (interval not to exceed 60 days) as per OISD-RP-174. xi) **All pressure gauges on the BOP control unit and remote panel should be calibrated at least once in every six months as per OMR 2017.** xii) **BOP control lines from control unit to BOP stack should be pressure tested at maximum operating pressure on installation as per OISD-RP-174**. **D) WELL CONTROL ACCESSORIES & TESTING UNIT** i) One no. of FOSV suitable for 5½", 5", 3½", 2⅞" drill pipe connection having pressure ratings to suit BOP stack rating. ii) IBOP suitable for 5½", 5", 3½", 2⅞" drill pipe connections having pressure ratings to suit BOP stack rating. iii) One (1) set of Portable High-Pressure Testing Unit having a nominal working pressure of 22,500 psi. should be provided by the contractor for pressure testing of BOPs & various equipment as & when required. The unit should consist of the following: Suitable pneumatic or electric pump(s), High pressure testing manifold complete with 0- 20,000 psi gauge, high pressure test stump for testing BOPs, all required valves (incl. safety & bypass), high pressure fittings, etc., fluid reservoir, 0-20000 psi recorder with charts, 20,000 psi rated test hoses with all required fittings, etc. iv) Cup Testers for all sizes of casing as per Table no 1 of Clause 4.3 above with facility of interchange ability of cup to suit different weight of casings, shall be provided by the Contractor. **Note:** All wellhead equipment / accessories viz. BOPs, spools, choke and kill manifolds, BOP Control Units etc. should be pressure tested to its rated capacity as per API RP53, OISD & OMR norms and test reports made available to the Company Representative. **E) HIGH PRESSURE WELL KILLING PUMP:** i) One Diesel Engine Driven (equipped with speed reduction Gear Box / Transmission Box) OPI 500AWS (15,000PSI) or equivalent High-pressure Low discharge plunger pump having plunger size of 2¾" or 3½" or 4" or 4½" of minimum 15,000 PSI working pressure with Stroke length upto 8".			

	1. The kill pump is to be equipped and supplied with suitable Diesel Engine Driven supercharger pump mounted on the skid itself, all the safety features and control mechanism, minimum 300 feet or 90 mtrs. of 2" delivery line (flexible pipe at both ends) of 15,000 PSI rating to connect with well head / Stand-pipe manifold, suitable suction line(s), necessary connections / fittings along with a 60 bbl. (approx.) capacity Suction Tank to be connected with the pump. There should be arrangement of supply of drilling fluid / water etc. to the tank as and when required.			
5.2.2	**<u>TUBULARS- [New/ Premium Grade- (API (NDT) inspection report)]:</u>** **A) DRILL PIPE / PUP JOINT (AS PER API SPECIFICATION 5DP):** Contractor shall provide new/unused Drill pipes and Pup joints. Supporting document in the form of manufacturer's certificate to this effect should be forwarded prior to mobilization. However, Premium grade drill pipes & drill pipe pup joints with recent NDT inspection as per API standard (DS 1 Cat ~~3~~ 4 Inspection) with documentary evidence may be offered. But OIL reserves the right to inspect at random and verify through independent NDT inspectors for acceptance. In case of non-acceptance of the drill pipes & drill pipe pup joints due to any discrepancy, contractor shall have to re-inspect the whole drill pipes and drill pipe pup joints in presence of OIL's representative at their own cost. 1. Minimum 6400 meter of 5½" OD, 24.7 ppf, Grade 'S135' Drill pipes, Internal External upset in range 2 length having Double Shoulder Tool Joint (DSTJ) or XT54 or XT57 Connection (Tool Joint OD 7" & ID 4" or 4½" ID) with ARNCO 350XT hard banding on box ends. 2. Minimum 2000 m of 3½" OD, 15.5 ppf, Grade 'S135' Drill pipes, Internal External upset in range 2 length having XT-38 or NC-38 Tool Joint Connection (Tool Joint OD 4⅞" & ID 2.9/16" ID) with hard banding on box ends. 3. Minimum 600 m of 2⅞" or 2-3/8" OD, 10.4 ppf, Grade 'S135' or XD-105 Drill pipes, External upset in range 2 length having SLH90 or NC 26 or HT-PAC Tool Joint Connection (Tool Joint OD 3⅞" & ID 2" ID) without hard banding. 4. 3 Nos. each of 5½", 3½" & 2⅞" OD, drill pipe pup joints of 5 ft.,10 ft. and 15 ft. length with identical specifications as above but without hardbanding.			

	5. Installation tool for installing rubber protectors on 5½" OD drill pipes with adequate numbers of rubber protectors for the entire contractual period. **B) DRILL COLLARS & HEAVY WEIGHT DRILL PIPE**: Contractor shall provide new/unused or used (NDT certified) drill collars and heavy weight drill pipes. For new/unused drill collars and heavy weight drill pipes supporting documents in the form of manufacturer's certificate to this effect should be forwarded prior to mobilization. For used drill collars and heavy weight drill pipes NDT inspection (as per TH Hill, DS-I, category-4/5) certificates to be furnished in this regard prior to mobilization. 1. Nine (09) nos. 9½" OD, 3" ID, spiral drill collars, 30-31 ft long, with 7⅝" API Regular connections, having bore-back box and stress relief pin. 2. Twelve (12) nos. 8" OD, 3" or 2-13/16" ID, spiral drill collars, 30-31 ft long, with 6-5/8 API Regular connections, having bore-back box and stress relief pin. 3. Eighteen (18) nos. 6¾" OD, 2-13/16" ID, spiral drill collars, 30-31 ft. long, with 4½" API IF connections, having bore-back box and stress relief pin. 4. Twelve (12) nos. 4¾" OD, 2¼" ID, spiral drill collars, 30-31 ft. long, with 3½" API IF connections, having bore-back box and stress relief pin. 5. Six (6) nos. 3-1/2" OD, 1-1/2" ID, spiral / slick drill collars, 30-31 ft. long, with 2-3/8 API IF connections, having bore-back box and stress relief pin. 6. Thirty (30) nos. 5-1/2" OD, 3-1/4" ID, approx. 60 PPF, 30-31 ft. long having 7" OD x 3- 1/4" ID Tool Joints "Conventional heavy-weight (thick wall)" drill pipes with Double Shoulder Tool Joint (DSTJ) or XT57 box-up & pin down connection. 7. Sixty (60) nos. 3.1/2" OD, 2-9/16" ID, approx. 28 PPF, 30-31 ft. long, 4- 7/8" OD x 2- 9/16" ID Tool Joints "Conventional heavy-weight (thick wall)" drill pipes with XT38 or NC38 box up & pin down connection. 8. Nine (9) nos. 2-7/8" or 2-3/8" OD, 1-1/2" ID, approx. 16 PPF, 30-31 ft long, 3.3/8" OD x 1-1/2" ID Tool Joints "Spiral heavy-weight (thick wall)" drill pipes with SLH90 or NC 26 or HT-PAC box-up & pin down connection with stress relief grooves. 9. Minor variation in dimension for drill collars and heavy weight drill pipes shall be acceptable subject to fulfilling of technical specs. But Contractor shall be responsible for all the required change subs for			

	completing the combination drill string in various sections **Note:** Bidder should provide the requisite cross over /adaptor subs Compatible with the OIL's drill string as mentioned. **C) ONE LOT OF NECESSARY SUBSTITUTES, STABILIZERS, REQUIRED FOR DRILL STRING AS WELL AS FOR COMBINATION STRING:** All items including but not limited to those mentioned below shall be supplied by the contractor. Should be supported by API (NDT) inspection report Should be supported by API (NDT) inspection report (to be furnished prior to mobilization). **C.1. BIT SUBS /FLOAT SUBS/CROSS OVER SUBS: (As per API Spec 7-1)** **1.** 1 No. 9.1/2" OD x 7.⅝" API regular double box bit subs with recess for Baker back pressure valve insert. **2.** 2 Nos. 6.1/2" OD x 4.1/2" API regular box down x 6.1/2" OD x 4" IF (NC 46) box up bit subs. **3.** 2 Nos. 9.1/2" OD x 7.⅝" API regular box down x 8" OD x 6.⅝" API regular box up bit sub with provision for back pressure valve insert. **4.** 2 Nos. 8" OD x 6.⅝" API regular double box bit sub with provision for back pressure valve insert. **5.** 2 Nos. 4.¾" OD (3.1/2" Regular Box – NC-35 Regular Box) bit sub. **6.** 2 Nos. 3.1/2" OD DC **7.** 2 Nos 6¾ OD DC **C.2. CROSS OVER SUB** **1.** 1 No. 6½" OD x 4" IF box up, 9½" OD x 7⅝" API regular pin down cross over subs. **2.** 2 Nos. 4" IF box up x 6⅝" API Regular pin down crossover bottle neck subs. **3.** 3 Nos. of 6½" OD cross over sub with 4½" API IF Box up x 4" API IF Pin down connection. **4.** 1 No. 6½" OD cross over subs with 4½" API regular pin down and 4½" IF box up connections. **5.** 1 No. 8" OD x 6⅝" API regular box up and 9½" OD x 7⅝" API regular pin down cross over sub. **6.** 2 Nos. of 4½" IF Box up x 6.⅝" API Reg. Pin down bottle neck sub.			

	7. 2 Nos. of NC35 Box up x 4.1/2" Pin down bottle neck sub. **8.** 2 Nos Cross over sub compatible with connections XT-57(5½" grade "S" Drill pipe) and XT-39(3½" grade "S" Drill pipe). **9.** Double pin sub of undernoted connection with appropriate OD x ID d) 4" IF x 4½" API Reg.: 1 No. e) 6⅝" R - 6⅝" R: 1 No. f) 6⅝" R -7⅝" R: 1 No. **Note:** Bit Sub with NC 35 / NC 38 & Cross Over Sub with NC 35 / NC 38 connection in line with thread connection of 4 ¾" OD drill collar offered against **clause B (4)** above. **Note to C.1. and C.2.:** The Contractor shall provide sufficient numbers (along with backups for uninterrupted operations) of all necessary Bit subs/Float subs/Cross over subs suitable for completing the various combination of drill strings required for different hole sections. All the subs provided herewith shall have to meet the technical specs of the string. The connections (i.e. DSTJ or XT as mentioned above) of cross- over subs must match with offered tubulars as mentioned above. Company shall inspect the subs during mobilization to confirm compatibility. In this respect Contractor shall submit a detail list of the subs with justification. **C.3. STABILIZERS** **1.** One set each for 26" & 24 " (Optional) in-string integral blade / replaceable sleeve type stabilizers having 7⅝" API regular connection for 26" & 24" hole. Contractor can also provide 8⅝" API regular connection for 26" instead of 7⅝" API regular connection with X-over sub. **2.** One set 17½" sleeve type with mandrel size 9½" OD & 7⅝" API regular connections and with adequate nos. of replaceable sleeves. **3.** One set 12¼" sleeve type stabilizers with mandrel 8" OD, 6⅝" API Reg. Connection. This stabilizer shall be used in conjunction with 12¼" sleeve. Adequate number of replaceable sleeves shall be available as backup. **4.** One set 9½" sleeve type stabilizers having 4" IF box up x 4½" regular box down connection respectively, and with adequate numbers of replaceable sleeves. **5.** One set 8½" sleeve type stabilizers having 4" IF box up x 4½" regular box down connection			

	respectively, and with adequate numbers of replaceable sleeves. **6.** One set 6" sleeve type stabilizers having 3½" Regular Box – NC-35 Regular Box down connection respectively, and with adequate numbers of replaceable sleeves. **NOTE:** **a)** One set means 01 number of near bit (Double box) & 03 nos. of string (PIN-BOX) stabilizers with easily replaceable or integral blade type. **b)** It will be the responsibility of the contractor to ensure that Stabilizers should be in perfect working condition with required gauges and at any point of time operation should not be hampered due to its schedule/preventive maintenance or breakdown or non-availability. Contractor may keep additional quantities for un-interrupted operations. Contractor to provide full gauge stabilizers, however, in addition to full gauge, bidder shall provide equal number of undergauge stabilizer upto ¼" for in-string integral blade or ¼" undergauge sleeve for replaceable sleeve type stabilizers. **C.4. OTHER SUBS** All rotary substitutes and other substitutes (with matching technical specs) necessary in drill string / fishing string / pressure lines etc. required to carry out drilling and all other rig operations shall be supplied by the contractor in sufficient quantity, and it will be contractor's responsibility to find out the requirement. The contractor shall also provide the necessary substitutes required to use 3½" or 2⅞" OD EUE and/or 3½" or 2⅞" OD NUE premium connection tubing. **D) NDT TESTING**: All tubular, rotary substitutes shall be NDT inspected as per API standard after completion of every 6 months of drilling. Contractor shall also provide documentary evidence of API standard inspection carried out on tubular and rotary substitute at the time of mobilization. **E) HANDLING TOOL** All items, including but not limited to those mentioned below shall be supplied by the contractor. Please note that the ultimate responsibility lies with the contractor for supply of all handling tools as per their inventory of items. **E.1 ELEVATORS**			

	1. 1 Set consisting of total two nos. 500 tons capacity, 13⅜" spider dressed as elevator and slip complete with all accessories and slip assemblies to handle 5", 5½", 7", 7⅝", 9⅝", 10", 10¾", 13⅜" casing. 2. Two (2) Nos. each of 150 Ton capacity side door elevators suitable for 26" Casings.(OPTIONAL) 3. Two (2) Nos. each of 150 Ton capacity side door elevators suitable for 20" Casings. 4. Two (2) Nos. each of 250 Ton capacity side door elevators suitable for 13.3/8", 10" (OPTIONAL), 10¾" (OPTIONAL), 9.⅝", 7⅝"(OPTIONAL), 7", 5½", 5" & 4½" Casings. 5. One (1) No. each of 4 Ton or 5 Ton capacity Single joint elevators complete with swivel and sling assembly suitable for 26"(OPTIONAL), 20",13.5/8"(OPTIONAL), 13⅜", 10"(OPTIONAL), 10¾"(OPTIONAL), 9⅝", 7⅝"(OPTIONAL), 7", 5½", 5" & 4½" Casings. 6. 2 Nos. each centre latch elevator, capacity 150 ton, for 9½", 8", 6½" & 4¾" drill collars (for use in conjunction with lift plug only). 7. Two (2) Nos. Centre latch elevator, capacity 500 ton, for 5½" OD drill pipes. Elevator should match type of shoulder of pipe offered by contractor. 8. Deleted 9. Two (2) Nos. centre latch elevator, 250 tons capacity for 3½" OD drill pipe. Elevator should match type of shoulder of pipe offered by contractor. 10. 2 Nos. centre latch elevator, 150 tons capacity for 3½" OD SLH90 drill pipe (tool joint OD 3⅞"). 11. Two (2) Nos. centre latch elevator, 150 tons capacity for 2⅞" OD SLH-90 drill pipe. Elevator should match type of shoulder of pipe offered by contractor. 12. 2 Nos. each of centre latch elevators, capacity 150 ton, for 2⅞" OD EUE tubing and 2⅞" OD NUE premium tubing. 13. 2 nos of elevators for all sizes of drill collars. 14. Any other handling tool as felt necessary by the contractor. Supply of elevators for all sizes of tubular with replaceable spares shall be the responsibility of the contractor. 15. Lift plugs in sufficient quantity for all sizes & nos. of drill collars. **E.2 ROTARY SLIPS (BACK UP EQUIPMENTS]**			

	1. One (01) No. of PS-21 or equivalent power slips with rated capacity of 500 Ton with all required accessories and suitable for 37½" rotary table for handling following tubular: a) 20", 13⅜", 10", 10¾", 9⅝", 7⅝", 7", 5½", 5" and 4½" OD casings. b) 9½", 8", 6¾", 4¾" and 3½" OD drill collars. c) 5½", 5", 3½" and 2⅞" OD drill pipes. d) 3½" and 2⅞" OD Tubing. 2. One (1) No. each Casing hand slips each suitable for use with 37½" rotary table for handling: 26" (OPTIONAL) and 20" OD casings. 3. 1 No. Casing hand slips each for 37½" rotary table for handling: 13.5/8" (OPTIONAL),13⅜", 10¾"(OPTIONAL),10"(OPTIONAL), 9⅝",7.5/8" (OPTIONAL) 7", 5½", 5" & 4½" casings. 4. Two (2) Nos. rotary hand slips suitable for use with 37½" rotary table for handling 3½" OD drill collars. 5. Any other handling tools as felt necessary by the contractor. Supply of slips for all sizes of tubular with replaceable spares shall be the responsibility of the contractor. **E.3 SAFETY CLAMPS:** Safety clamps to handle all sizes of drill collars. **E.4 CASING FILL UP AND CIRCULATING TOOL** Casing fill-up and circulating tool for 26", 20", 13.5/8",13⅜", 10¾", 10", 9⅝", 7⅝", 7", 5½", 5 and 4½" OD **casings with adequate pressure rating and pressure tested.** **E.5 RIG TONGS:** Complete sets of Rotary tongs in pairs with 2 sets of extra jaws and replaceable spares of required capacities & sizes to handle the following tubular: 1. Type BV-100 or equivalent for handling following tubular: (i) 5½", 5" and 3½" OD drill pipes / heavy weight drill pipes. (ii) 9½", 8", 6¾", 4¾" & 3½" OD drill collars. (iii) 26",20", 13⅜", 9⅝", 7.5/8",7", 5½" & 5" OD casings. 2. Type BV-35 or equivalent for handling following tubular: iii) 2⅞" OD drill pipes / heavy weight drill pipes. iv) 3½" OD drill collars. Questionnaire			

	3. Tubing tongs for 3½" & 2⅞" OD tubing (i.e., both for EUE & NUE premium tubing) including coupling tong. **Note**: In case the rig is equipped with Iron Rough neck with part range /complete range of tubulars, same is also acceptable. **E.6 HYDRAULIC / PNEUMATIC TUBULAR HANDLING TOOLS** 1. Hydraulic power casing tongs (with sufficient back-up) complete with all accessories and hydraulic power unit with suitable prime mover (electric motor or diesel engine), standard accessories and pivot head for: 26"(OPTIONAL), 20",13.5/8"(OPTIONAL), 13.3/8", 10¾"(OPTIONAL), 10" (OPTIONAL), 9⅝", 7⅝"(OPTIONAL) 7", 5½", 5" & 4½". The tongs should be rated for a torque of minimum 35000 ft-lbs casing: 2 Nos. 2. Hydraulic Power Tubing Tong (with sufficient back-up) complete with all accessories including back-up assembly and hydraulic power unit with suitable prime mover for handling 2⅞" & 3½" OD (EUE / NUE Premium tubing) with torque capacity of around 8000 ft-lbs. 3. The operator(s) for power casing tong shall be provided by the contractor at their own cost. 4. Any other tongs as felt necessary by the contractor to facilitate handling of specified casings / tubings. Supply of tongs for all the above specified tubular jobs shall be the responsibility of the contractor. 5. Electrical motor and other electrical equipment viz. starter, junction box, PBS etc. used with tubular handling tools shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110]. **E.7 ELEVATOR LINKS:** Weld-less links of suitable length & capacity to match the hoisting equipment. **F) BIT BREAKER / THREAD PROTECTORS / NOZZLES GAUGE / STABILIZER GAUGE**			

	1. Atleast one (1) No. each bit breakers for all hole size as described in this document (compatible with master bushing), i.e., 26",24", 17½", 12¼", 9½", 8½", 6",5.7/8" for TCR bits/Milled Toothed bits but not limited. 2. 1 set consisting of 2 nos. each size clamp-on or equivalent casing thread protectors for , 20", 13⅜", 10¾", 10", 9⅝", 7", 7⅝", 5½", 5" & 4½" sizes. 3. Stabilizer gauges and bit gauges of 20", 17½", 13¾", 12¼", 9½", 8½" sizes. 4. Nozzle gauges for various sizes of nozzles. **G) AIR WINCH:** 1. **For drilling use**: Two (2) Nos. of Air winches mounted on derrick floor (one on drillers side & other on off drillers side) having pulley at crown block suitable for 3/4",5/8" or as per OEM design soft wire line. Each air winch should be capable of handling at least 10,000 lbs (4.54 MT). The air winch lines should be fitted with cat swivels of load capacity of minimum 10,000 lbs. 2. **Man-rider**: One (1) No. of Air winch for use as man-rider of minimum capacity of 330 lbs (150 kgs.) mounted on derrick floor (at suitable place) complete with ½" soft wire line and full body harness. **H) FISHING TOOLS:** The types of fishing tools for various sizes of open hole as per Table no 1 of Clause 4.3 above. All items mentioned below shall be provided by the contractor. Supply of all fishing items and recovery of all fishes in every size of hole shall be the responsibility of contractor. Contractor shall arrange and supply all necessary fishing tools for all the downhole tubulars supplied by them. a) **Overshot:** Series 150 Bowen or Equivalent releasing and circulating overshot suitable for operation in 26", 24", 17½", 12¼", 9½", 8½", 7⅞" ,6",5.7/8" OD open hole and for operation in 26", 20", 13.5/8",13⅜", 10¾", 10", 9⅝", 7.5/8",7",6" expandable liner of OD **6.813**,6" 5½"and 4½" OD casings to catch all sizes of drill collars, heavy weight drill pipes, drill pipes, tubings and substitutes as provided by the Contractors, with various sizes of spiral grapple, basket grapple, grapple control, mill control packers, lock rings, suitable extension sub and standard & oversized lipped guide. Contractor, in some cases TP			

	fishing services may be deployed and contractor provide all necessary support in this regard. b) **Safety Joints**: One (1) No. each of Bowen or equivalent for operating in hole as mentioned in Table no 1 of clause 4.3 above. c) **OTHER FISHING TOOLS** : i) **REVERSE CIRCULATING JUNK BASKET**: One (1) No. each Bowen or equivalent R.C.J.B complete with accessories like top sub, catcher assembly, mill shoe, magnet insert for the various sizes of open hole as per Table no 1 of Clause 4.3 above ii) **JUNK SUBS**: 1 No. each Bowen or equivalent Junk subs for operating in the various hole sizes.. iii) **FISHING MAGNET:** 1 No. fishing magnet with standard fishing neck for operating in the various hole sizes. iv) **DITCH MAGNET:** One (1) No. of ditch magnet suitable for placement in mud ditch for collection of ferrous materials in mud. v) **IMPRESSION BLOCK:** 1 No. impression block with standard fishing neck. (Note: Provisions should be kept for redressing the impression block at well site). vi) **JUNK MILL:** 1 No. each junk mill with standard fishing. All materials required for re-dressing of mills shall be provided by the contractor. Re-dressing of mill, if any, shall be carried out by the contractor. vii) **FULL CIRCLE RELEASING SPEAR**: One (1) each for handling various sizes of casing as mentioned in the Table 1 of Clause 4.3 above. The spear should be complete with all accessories including the guide. Suitable cross-over sub for connecting the same to tubing & / or drill pipe string should be provided. viii) **SUPER FISHING JAR**: Straight pull, capable of transmitting full torqueing either direction, ability to deliver rapid series of blows when desired, easy closing or resetting, complete with circulation hole & cone type piston assembly of the following sizes: a) OD=8", 6⅝" API Regular top sub box connection, - One (1) No. connection & bottom pin b) OD=6½", 4½" API IF top sub box connection, - One (1) No. connection & bottom pin c) OD=4¾", 3½" API IF top sub box connection, - One (1) No. **I) HYDRAULIC DRILLNG JAR** :			

	Hydraulic drilling jar to provide upward and downward jarring blows, consisting of two separate sections –Up& Down Jar sections: 1. OD: 6½"/ 6$^{3/4}$", ID: 2¾", 4½" API IF: One (1) No. with accessories 2. OD: 8", ID: 3", 6⅝" API Regular: One (1) No. with accessories **3.** OD: 4¾"/ 4¼" (connection: 3½" API IF top sub box) Jar: 01 (one) No. with accessories. d) Jar Intensifier: Jar intensifier matching with above drilling jar of following sizes. **J) CASING SCRAPPER / ROTOVERT:** 01 no. each Casing Scrapper (min. 540° contact area) for 20",13.5/8",13.3/8",10¾", 10", 9⅝", 7⅝", 7",6.813",5½", 5" and 4½" OD casings. **K) RING LINE AND FIRE FIGHTING SYSTEM**: Contractor shall provide all Fire Fighting equipment as required under the service as per the provisions of OISD STD 189 & Mines Act of India. 1. Contractor shall provide suitable Fire Fighting equipment as required for oil well drilling as per the provisions of OISD STD 189 & Mines Act (including new amendments, if any) of India. i) Contractor shall provide atleast one (1) no. of Trailer mounted or skid mounted Engine driven fire pump having minimum discharge of 1800 L/min at 7 kg/cm2 along with two nos. of storage tanks each having minimum 53 KL capacity and 03 (three) nos. of monitors and 02 (two) nos. of hydrant for fire emergencies with all accessories (suction hose, delivery hose, nozzle, tools etc.) to be provided by Contractor at Well-site along with personnel having firefighting training and certificate. 2. Independent source water supply along with motor/engine driven pump must be made available for filling up of the firefighting water storage tanks. 3. Additionally, one fixed water-cum-form monitor shall be installed on water line in centre of two hydrants. 4. Contractor shall provide portable fire extinguishers which should be located at convenient locations, clearly visible and easily accessible. 5. Following firefighting accessories shall be readily available at site: e) Additional Fire Hose: 02 nos. f) Multipurpose Nozzle: 02 nos. g) For foam system • Inline foam educator: 02 nos.			

	• Foam branch pipe: 02 nos • Foam compound: minimum 200 ltrs. h) Weather-proof facility for storing above items. 6. A fire bell of non-smoking material/Fire siren/ Manual, Electrical siren Fire Siren shall be provided. 7. Windsock, intrinsically safe torch, SCBA (Self Contained Breathing Apparatus) set (30 minutes capacity)-02 nos. should be provided. 8. The Contractor shall comply with any / all other regulation(s) of OISD (India) & DGMS (India) that comes into effect from time to time in this regard. Regular fire drills should be conducted. Mock fire drill should be conducted at least once in a month & records of all such drills should be maintained properly. 9. The above is a mandatory requirement for firefighting purposes. In case of non-conformance, the company reserves the right to stop further operations till the time the above-mentioned standard is met. 10. The fire pump should be permanently hooked up with the water tank and fire water line. 11. The fire water line shall be designed and properly supported to withstand pressure/reaction force at 7kg/cm2 and shall have two independent connections with NRV to hook up fire water pump and fire water tender. 12. The hydrant and monitors shall be mounted on 4" size stand post and situated 1.2m above ground level. xiii) Hose box at each hydrant point shall be provided and equipped with two fire hoses and one multipurpose nozzle. Alternatively, group of hydrants to be provided with hose hut with sufficient number of standard fire hoses and multi-purpose foam cum water, spray nozzle. Hose hut should be quick and easily accessible from hydrants. 13. Smoke detectors should be available in all office bunk and accommodation bunk houses. This should be periodically maintained as per schedule and should fit for use at all time. 14. The contractor shall lay a 4" dia. firefighting ring line with adequate number of fire hydrants and monitors located at strategic points. **L) TRANSPORTATION SERVICES** **M.1) OIL'S RESPONSIBILITY**			

	1. Transportation of company's personnel and materials/Equipment (those not attached with the rig) will be company's responsibility. Contractor will however be responsible for providing all facilities including use of their crane and personnel for unloading/loading and proper stacking/storing of company's materials at drilling site/camp site. 2. Chemicals required for preparation of mud and completion fluid, and Cement shall be supplied by OIL. To & fro collection, transportation, loading/unloading, stacking etc of these chemicals /cement shall be carried out by OIL, as and when required. 3. In case of well emergency, it is the responsibility of OIL to supply/ transport Chemicals, Cement etc. to well site. 4. Well consumables like casing, tubing, well head etc. shall be supplied by OIL. To & fro' collection, transportation will be provided by OIL and loading/unloading, stacking etc. at well site of these consumables shall be carried out by the contractor, as and when required, with the help of Contractor's crane. 5. Readiness of approach road to forward location and plinth shall be the responsibility of OIL. Initial ground clearance of Electrical overhead lines, before ILM, belonging to state Electricity board, tea gardens etc. shall be the responsibility of OIL. **M.2) CONTRACTOR'S RESPONSIBILITY** 1. Transportation of contractor's personnel & their material from camp site to drill site and between drilling sites shall be the responsibility of the contractor. All vehicles deployed for this purpose should be in prime condition. 2. All requirements of transport fleet including but not limited to crane(s), trailer(s), truck(s), manpower/crews, etc. during rig up/rig down, during various requirements pertaining to well operations & during inter-location movements (ILM) are to be provided by the Contractor. Any specific requirements for day-to-day operation, contractor has to provide the transport fleet for the same. 3. Bits required for drilling of wells shall be supplied by OIL. However, it is the responsibility of Contractor for loading/offloading and to transport the same from Company's yard/Go-down or as advised by OIL.			

	4. The contractor must provide at their cost, equipment & services of the following minimum number: (a) Sufficient numbers of Diesel Hydraulic, Truck mounted Telescoping Boom mobile crane during rig up /rig down & inter-location movements of Rig package. (b) Sufficient number of load carrying vehicles and cranes along with crew, so that the inter-location movement is completed within stipulated time. (c) Minimum 1 no. of Diesel Hydraulic Telescoping Boom Truck Crane with integrated chassis (without sub frame) of capacity not less than 40 MT (40,000 Kg) or more if required by contractor for their rig along with crew should be made available at all times at well site. (d) Minimum 1 no. of Fork Lift of 5 MT (5,000 Kg) minimum capacity along with crew should be made available round the clock at well site. (e) During Inter-location Movement, any leftover Company's items / equipment including but not limited to well head, casing, tubing or any kind of tubular, bits, etc. shall be collected, loaded, unloaded, stored, handled, transported between locations by the Contractor or as directed by OIL. (f) During inter location movements, the contractor shall arrange for shutdown/ ground clearance/ raising of lines (if required) of Electrical overhead lines belonging to third parties viz. state electricity board (APDCL, Arunachal Pradesh Power Dept. etc.), tea gardens etc. (g) The contractor is solely responsible for any damage to existing Electrical infrastructure belonging to third parties viz. state electricity board (APDCL), Arunachal Pradesh Power Dept. etc.), tea gardens etc. resulting from the movement of the contractor's vehicle during ILM. In case of such damage, contractor is fully responsible for repairing of the damaged Electrical infrastructure. 5. Loading & offloading of Company's and Company's third party's equipment and materials at rig site shall be carried out by the Contractor at respective well site with the help of Contractor's personnel & crane. 6. Handling & proper stacking / placement, etc. of Company's and Company's third party's equipment/material shall be carried out by the Contractor at respective well site with the help of Contractor's personnel & crane.			

	7. Rig down/Rig up/transportation/maintenance of Company's materials/ items (if any) attached to the rig shall be done by the contractor. 8. Load testing certificate of crane used at wellsite shall be available Health certificate, valid pollution certificate of all the transport vehicle shall be available. 9. Safe Operating Practices (SOPs) of all rig operations should be available at rig site. **M) MISCELLANEOUS TOOLS & EQUIPMENT** 1. 1 No. each of circulating head with hammer union connection for 20", 13.5/8",13⅜", 10¾", 10", 9⅝", 7", 7⅝", 5½", 5" & 4½" BTC/Hunting Lock premium casings, 2⅞" IF & 2⅜" IF drill pipes. Note: (Note: In case the connection is different than suitable cross- over sub of minimum length should be provided, like Crossover for 10¾", 10", 7⅝", 7", and 4½" Hunting Lock premium casing to BTC casings but not limited) 2. One (1) No. of poor boy swivel with suitable cross-over subs for connecting to 5.1/2" & 5" OD drill pipes. 3. **Circulation Heads**: Circulation Heads (minimum 5M) for drill pipes & tubing fitted with quick opening gate valve and suitable Chicksan hose connection (for connecting to rotary hose). i) One (1) No. each for 5½" and 5" OD drill pipes. ii) One (1) No. each for 3½" and 2⅞" OD EUE tubing. iii) One (1) No. each for 3½" and 2⅞" OD NUE Premium tubing. iv) (Note: In case the connection is different than suitable cross-over sub of minimum length should be provided). 4. **FOSV (full opening safety valve) (15M) for following drill strings**. i) One (1) No. each for 5½", 5", 3½" & 2⅞" OD drill pipes. ii) One (1) No. each for 3½" and 2⅞" OD EUE tubing. iii) One (1) No. each for 3½" and 2⅞" OD NUE Premium tubing. 5. Mud basket for use during round trips with Drill Pipes and other tubulars. 6. Adequate number of appropriate sizes back pressure / float valves for installation on bit / float			

	subs during different stages of drilling (complete with installation tool). 7. One No. of additional spool of unused full-length drilling / casing line (1⅝" or 1½" or size as per OEM design as applicable) as per specification of the rig). 8. Appropriate riser for all stages of drilling. 9. Complete sets of tools/wrenches. 10. Suitable size & number of mud tray (drilling fluid containment), bell nipples and flow nipples for making up at the well head. 11. Drill Pipe Screen (for 5 and 5½" Drill Pipe) 12. Suitable capacity (i.e., discharge = 60 kl per hour minimum & 150m head min., engine or electrically driven reciprocating/centrifugal pump) for pumping gauging water to cementing hoppers. 13. One (1) each of 5½", 5", 3½" & 2⅞" OD Drill pipes & 2⅞" OD tubing rubber wiper as applicable with all required accessories. Replacement rubbers should be stocked at well site & is contractor's responsibility. 14. **WELDING MACHINE AND CUTTING SET:** **WELDING MACHINE** Diesel Engine / Electric transformer powered welding set having capacity of minimum 400 Amps with Constant Current characteristics with all associated welding accessories/apparatus. In case of Diesel Engine powered welding set, it should be fitted with PESO approved spark arrestor and should Meet CPCB (Central Pollution Control Board) - II compliance for Exhaust Emission and Noise within 75 dba at 1 mtr. **CUTTING SET** Oxy acetylene cutting set shall comprise of the following item 1. Regulators 2. Cutting Blowpipe 3. Flashback arrestors for cylinders 4. Torch mounted Flashback arrestors (i.e. Flash back arrestor at both ends of cutter as well as cylinder end shall be fitted as per Gas cylinder rule, 2004, amendment 2016) 5. Cutting Nozzles 6. Hoses with Connectors 6. Oxygen and acetylene cylinder with Protective Gas cylinder cap.			

	7. All consumables shall be supplied by the Contractor. 8. All consumables shall be supplied by the Contractor. Proper carrier and storage system need to be provided for the oxy-acetylene cylinders (as per gas cylinder role 2004, amended in 2016). **N) BUG BLOWER**: One (1) bug blower for use at rig floor. **O) OTHER PROVISIONS TO BE PROVIDED BY CONTRACTOR** 1. The Contractor shall provide, at his cost a Barytes loading platform with shed to facilitate storing and mixing of mud chemicals at well site. The size of the platform should be 700- 800 sq. ft. to accommodate around 80MT of Barites and 20MT of Bentonite. The loading and unloading of materials in the shed and in the Barytes and Bentonite mixing hopper shall be done by the Contractor. The contractor shall also provide adequate storage facility for other mud chemicals and liquid jar chemicals. 2. Contractor shall make, maintain and use drilling mud as per drilling policy with water loss, weight, viscosity in accordance with mud programme as OIL may decide as per good oilfield practices. Diligence in keeping the hole and all strings of casing and space between casing filled with drilling mud shall be exercised. Contractor shall maintain and test drilling mud in appropriate frequency and shall record the result of such tests and use of mud chemicals in its daily drilling/Mud report. Contractor will also be required to keep hourly record of mud weight, viscosity (in and out), active tank volume etc. while making and maintaining the drilling fluid. The detailed mud testing is to be carried out at the well site laboratory twice everyday by the Contractor. **3. DURING WELL TESTING (PRODUCTION TESTING)** **(a) SCHEDULE - 1** 1. Making & breaking including stacking and running in of production tubing (both 2⅞", 3½" OD EUE and/or 2⅞", 3½" OD NUE premium connection) as per the standard practice. 2. Installation of Tubing Head Spool, packing of secondary seal and testing of the same as per the rating. 3. Testing of X-Mass tree and installation of the same.			

	4. Making necessary tubing/ casing connections to the well head set up. 5. Hooking up of the production equipment or assist the production testing service provider as advised by OIL such as namely Tanks, Separator, Steam jacket, ground X-Mas tree etc and test the same before commissioning as per the requirement but not limited. 6. To make the gas flare line to the flare pit. 7. To measure the flow rate and to analyze the produced fluid as and when required or as advised. 8. To maintain the tubing tally including any down hole production equipment run. 9. Hooking up of the steam lines to production tanks and steam jacket. 10. Assist in Hooking up of the steam lines to production tanks and steam jacket. 10. To assist the Production Testing service provider in making & breaking of the downhole tool string including stacking and running in / out of hole the production string. 11. All necessary surface connections to be made by the contractor for enlivening of the wells using nitrogen pumping unit. **(b) SCHEDULE -2** 1. All production equipment namely X-Mas tree, Tubing head spool, Hanger flange / Tubing hanger, Separators with all accessories, Tanks, Steam jacket, Ground X-Mas tree, Tubings (both EUE N80 and/or P-110 NUE premium connection), Pipes for surface fittings and flare line etc. will be provided by OIL/third party. 2. All tools required for making up of the above equipment are to be supplied by the Contractor i.e. Elevators, slips, Tubing tong, Coupling tong, Hydraulic pumps and other necessary equipment for packing of secondary seal and hydraulic testing of the separators, tubing head spool, X-Mas tree, Ground X-Mas tree, Steam Jacket etc. to be provided by the Contractor. 3. Consumables such as thread dopes to be provided by the Contractor. 4. OIL reserves the right for inspection and verification of the rigs and associated ancillaries during any time after bid closing date. Bidder should confirm acceptance of this clause in their bid			

5. Mud testing laboratory inclusive of all well site testing equipment as per following list to be provided by the Contractor.

i) Baroid Mud Balance # 2 nos. (1 for Mud cabin for Attendant & 1 for Mud testing Laboratory).

ii) Pressurized Mud Balance # 01

iii) Marsh Funnel Viscometer with cup# 1 no.

iv) Multi Viscometer (OFITE/Fann 35 SA) - 01

v) API Filtrate test cell -1

vi) Mud Retort Kit - 1

vii) Sand Content Kit-1

viii) pH meter -1

ix) Lubricity tester -1

x) Portable Laboratory Centrifuge (Electric) with centrifuge tube -1

xi) Hamilton beach mixture with cu -1

xii) Pan Balance/ Digital Weighing Balance -1

xiii) Glass thermometer 00C to 150 0C -1

xiv) Handheld Refractometer -1

xv) HP-HT fluid loss apparatus -1

xvi) Magnetic Stirrer with Hot Plate -1

NOTE:

OIL reserves the right for inspection and verification of the rigs and associated ancillaries during any time after bid closing date. Bidder should confirm acceptance of this clause in their bid The testing facility for mud shall be capable of testing mud parameters but not limited to the following:

a)	Mud Density	b)	Funnel Viscosity
c)	Plastic Viscosity.	d)	Yield Point.
e)	Gel Strength.	f)	RPM (3, 6, 100, 200, 300, 600)
g)	API Filtration Loss	h)	Oil content
i)	Solid Content	j)	Sand %
k)	pH	l)	Salinity
m)	MBC	n)	HPHT Filtrate Loss @150 ^{0}C/ 500 PSI.
o)	Potassium ion test	p)	Metal Concentration, if applicable.
q) Total Hardness as Ca^{2+} and Mg^{2+}		r) Mud Alkalinity (Pf/Mf)	
s) Lubricity Co-efficient		t) Test for PHPA and Polyamine	

Bidder shall keep sufficient quantity and volume measurement of reagents and chemicals, types for glass wares which includes but not limits to graduated cylinder (10ml/25ml/ 50ml/250ml), conical flasks (50ml/ 250ml), beaker (200ml/100ml), round bottom flask (250ml), volumetric pipette (10ml), graduated pipette (1ml/ 2ml/ 10ml), burette, pipette stand, burette stand, glass thermometer, stirring rod etc, for trouble

	free and smooth testing of mud parameters as per API standards.			
5.3	**GROUP – III** **(MUD /AIR/WATER/FUEL SYSTEM)** **A) MUD SYSTEM** **1.** A mud system having an active capacity of minimum 2000 BBLS (US) with reserve capacity of minimum 1000 BBLS (US) (i.e., gross capacity of minimum 3000 BBLS (US), complete with all required valves & fitting with but not limited to the following tanks / tanks compartments: - shale shaker tank - settling tank - degasser tank - desander tank - suction tank - one trip tank (80 bbl. minimum, with 2" x 3" x 13" centrifugal pump and 25HP explosion proof electric motor) with calibration of 0.5 bbl. sensitivity - one mixing tank - Suitable Nos. of reserve tanks to accommodate the above reserve capacity. - One separate pre-flush tank - One slug tank (tank should be a part of suction tank with capacity around 60 bbl.) **NOTE**: Provision of suction of mud from any of the reserve tanks with any of the mud pumps and with suitable facilities for transfer of mud from active to reserve tank or vice versa. Also, suction from intermediate tanks to mud pumps to be possible. **The mud tanks should be either new or in prime condition with internal protective coating. Tanks with leakage or corrosion will not be acceptable.** **2. The mud system should include the following**: i) Minimum Three (3) units of minimum 7G High force Speed Linear Motion Shale Shakers [LMSS] with suitable flow divider (Shaker with scalping deck will be preferred). Each unit of LMSS should be capable of handling at least 500 GPM [for processing up to 115 pcf water-based mud]. The Contractor should maintain adequate stock of screens of various applicable sizes ranging from but not limited to API 40, 60, 80, 100, 120, 140, 170, 200, 230, 270 etc. for drilling various hole sections. OEM to certify High G performance.			

	ii) One (1) unit of Linear Motion Mud Cleaner, capable of handling at least 1500 GPM [up to115 pcf water-based mud], having screen size up to API 325 size with Desander & Desilter installed over it (Underflow of Desander& Desilter diverted over the shaker screen) having the following capacities: a) Desander (Hydro cyclone type) capacity at least 1500 GPM, (With min.2 cones or more as per design requirement). b) Desilter (Hydro cyclone type), capacity at least 1500 GPM, (With 16-20 cones or more as per design requirement arranged in 2 rows or circular arrangement as per OEM design). iii) One (1) Vacuum Degasser (vertical or horizontal type) having degassing capacity at least 1000 GPM, complete with suitable vacuum pump, electric motor, suction & discharge piping, jet nozzles, etc. compressor, motor and proper gas disposal system with poor boy degasser chamber for disposing gas beyond hazardous area / zone. iv) Three ((3) Nos. skid mounted centrifugal pump to be provided, each of the pump should be able to discharge 1500 US GPM at 75 FT Head for feeding the Desander, Desilter & Vacuum Degasser unit. The Make, Model, Discharge rate & head of each pump shall be offered with relevant documents. v) One (1) Poor Boy degasser / mud gas separator (MGS) of approx. 48" diameter capable of handling minimum 1000 GPM of fluid and complete within let from flow line and choke manifold, one outlet, one drain, one 8" vent and one 20" man way. vi) Suitable mud agitators with gear box along with gun jets in each tank should be provided. HP of the agitator should be to suit the mud weight. Agitators should have sufficient turnover rate to avoid settling of mud. vii) **Mud mixing system**, consisting of low-pressure hoppers and electric motor driven centrifugal pumps. The System should be capable of mixing mud upto 19 PPG, approx. The system should contain at least two hoppers & two 100 HP centrifugal charging pumps. All line connections are to be made in such a way that all the hoppers can be operated simultaneously if situation arises. 02 (two)nos. skid mounted suitable motor			

		driven centrifugal pumps as Mud Mixing/Charging Pump having discharge of minimum 1200 US GPM each and minimum 30 mtr head. Make, Model, Discharge rate & head of each pump shall be offered with relevant documents. viii) Jet shearing device: 01 (one) no. ix) The active mud system should have one platform adjoining the tank with approx. dimensions of 30' x 20' for keeping Bentonite, barites & other materials for mixing purposes. Alternatively, Contractor should have adequate provision for keeping Bentonite, Barites and other chemicals a t s i t e . x) The reserve tank should have independent suction & delivery lines with mixing arrangement through the hopper. x. Electric motor driven centrifugal pumps for above mud cleaning and degassing equipment. Throughout the tank system the following lines shall be installed as required complete with all necessary valves fittings & unions: - suction lines - mud roll - discharge line - water line - Mix line xi) **CENTRIFUGE:** Brandt's HS-3400 or equivalent High G-force capacity and with long clarification area to process approx. 170 GPM with feed density of 82 pcfmud [approx.] at more than 2000 G's. The functions of solids sedimentation, separation and draining are all to be combined in the centrifuge. The unit should be complete with charging pump, Main Drive Motor [FLP type], hydraulic drive, and torque control assembly for centrifuge. [Note: All safety measures are to be adopted in placement as well as operation period.]. xii) In case of stuck pipe situations, the Contactor must provide HSD for spotting on chargeable basis which shall be provided by the contractor in sufficient quantity and as many times as needed. In case, LWC is used while combating stuck pipe situations; LWC shall be provided by OIL free of cost to the contractor. The contractor's responsibility			

		shall be to collect LWC from Tanker(s) to contractor's storage facility, to provide storage facility for minimum 140 US bbls LWC and infrastructure to utilize the LWC at any moment for releasing stuckpipe, if the situation so demands. xiii) One pre-flush tank of 70 US bbl. capacity, one slug tank within the suction tank of approx. capacity 70 US bbl. with all necessary fittings, valves, connection etc. shall be provided by the Contractor. xiv) Moreover the following shall also be provided by the contractor: (a) a suitable number of stairways from ground to top of tanks, from ground to choke manifold level, from choke manifold level to top of tank. (b) One crossover platform from mud tank to substructure complete with stairs. (c) Tank shall be covered with bar grating. (d) Handrails shall be provided on all the outer boundaries of the tanks. (e) The mud tanks and all other accessories are to be mounted on rugged oilfield skids. Mud tanks should be in good working condition and rugged enough to last the entire duration of contract including an extension if any, without having to undergo repairs irrespective of their movement. (f) One pneumatically operated screen washer (high pressure-low volume type) completes with all accessories for cleaning the screens of shale shaker & mud cleaner xv) Mud agitator motors, desander motor, Desilter motor, centrifuge motor, supercharger motor, degasser motor (if any), shale shaker motor, trip tank motor, mud mix motors, starter, push button station, junction boxes and all other electrical equipment used with mud system shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification/ test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines			

	Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.110]. xvi) All light fittings used in the mud tank area shall be FLP (Ex-d) type. Adequate lighting shall be provided in the mud tank area. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.110]. xvii) Remote PBS placed in hazardous area should have intrinsically safe circuits with a maximum of 30 Volts. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 102(iv).] **3. CABIN FOR MUD ATTENDANT**: A cabin of dimension 5' L x 5' W x 8' height mounted on a skid with one sliding door, 3 safety glass windows (on 3- sides), one knowledge box and one tool box for mud attendant. The inside walls of the cabin are to be provided with thermal insulation and laminated boards. All electrical fittings used inside mud attendant cabin shall be flameproof type (Ex.'d'). **4. TOOLS & SPARE PARTS:** Contractor has to provide all spares, tools and sufficient quantities of consumables of required sizes/ranges (e.g., screens of LMSS, LMMC, desander / Desilter cones, etc.) of all the tank systems and solid control equipment. **B) RIG AIR SYSTEM:** Rig air compressor package complete with utility hut consisting of the following. **1.** Two Nos. electric motor driven reciprocating / centrifugal air compressors each having a capacity of min. 120 CFM FAD at 125 psig working pressure, complete with all accessories. **2.** One number cold start compressor capacity of minimum 90 CFM FAD at 150 psig rated working pressure, driven by diesel engine. **3.** 2 nos. air receiver hydraulically tested within last three years with documentary evidence (to be submitted at the time of mobilization). These receivers should be as per rig design and deployment of the equipment and should be of enough capacity to cater the need of air requirement for smooth operations and complete with air dryer, safety relief valve, condensate drain trap etc.			

	C) WATER SYSTEM: The water system should conform to the minimum requirements as given below for guidance. **1. Three Nos. water tanks**: (also to be used as gauging water tank) Total storage capacity: 170 M3 (approx.). Fitted with two centrifugal pumps (as water booster) having capacity minimum 80 m3 per hour and 26 m head and complete with suction and discharge lines for operation of either or both pumps. At least two (02) tanks should be fitted with 02(Two) no. of agitator each along with hopper arrangement for mixing chemicals One set piping: Std. size & complete with suitable valves for supply of water to mud system from the above 3 tanks. **2. Water Supply:** The contractor shall be responsible for arranging suitable capacity pump for drawing source water from minimum 15 m water source below ground level with all necessary piping, and other set-up. The Contractor shall be responsible for procuring, transporting and storing/supplying adequate quantity of both drill / potable water to well site / campsite at their cost. The company shall in no way be responsible for any water arrangement whatsoever at well site / campsite. **D) FUEL SYSTEM**: Suitable fuel system, capable of storing at least 80 KL HSD (but, limited to 2 (two) Nos. tanks for storage of 80KL HSD) with fuel pre-filters fuel transfer pumps driven by electric motor. **Calibration of HSD tank and dip stick shall as per HSE specification (Refer to HSE specification clause No 4)** **1.** Fuel Pump motors and other auxiliaries viz. junction boxes, PBS etc. shall be FLP (Ex-d) type. **2.** There shall be a provision to earth the HSD tanker/bowser at two distinct points during unloading/ loading to/ from the fuel tanks at drilling site. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 41 & OISD 216]. **3.** Dyke wall of adequate height around HSD tanks shall be provided. NOTE: **i)** In case, the rig remains idle for want of a minimum required quantity of acceptable quality water, then 'NIL' day rate shall be applicable for the entire period of shutdown. **ii)** In case of total mud loss into the formation while drilling or in case of firefighting, if the whole water stock is consumed, then 'nil' day			

	rate will not be applicable. However, the contractor has to take urgent & all-out effort to replenish the stock immediately in order to tackle the water problem. **iii)** If source water cannot be located within the plinth areas, because of subsurface formation reason, the contractor shall have to set up water supply station at the nearest available source. **iv)** To cater the need of all emergencies an alternate adequate water source should be identified & arrangement should be kept ready to provide water to camp / well-site to meet the emergencies. **v)** Flow meter shall be provided with the ground water drawing system and records to be maintained at well site. Contractor shall be responsible for keeping records for water consumption at wellsite. **E) ELECTRICITY** **1.** Generation and supply of electrical power for running the entire operation and for various uses in the camp and well site shall be done by the contractor. Provision shall be made for standby generators both at camp & well site to ensure uninterrupted supply of electricity. Adequate lighting shall be provided in the camp, campsite, and drill site by the Contractor. Supply of electricity to company's mud logging unit and other equipment which operate on 220/415V - 50 Hz shall also be the contractor's responsibility at their cost. The contractor must provide facility for running all electrical equipment of OIL & their own both at 50Hz - AC and 60 Hz AC capacity wherever they are applicable. Rig lighting system shall conform to API standard and be connected to the main rig power system. Standby provision should be kept to meet the requirement as and when necessary. **2.** **Lighting Transformer**: The voltage for lighting system inside the mine shall not exceed 250V (between phases) if neutral is connected to earth as per CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 102. **3.** The neutral system should be such that, the earth faults current shall not be more than 750mA in installations of voltage exceeding 250V and up to 1100V system for oil fields. The magnitude of the earth fault current shall be limited to the above value by employing suitable designed restricted neutral system (NGR) of power supply as per CEA			

	(Measures relating to safety and electric supply) Regulations, 2010, regulation no. 100(1).			
	4. **Earth leakage protective device**: All the outgoing feeder for auxiliary motors, lighting, bunk houses and outgoing feeders from standby generator shall be provided with earth leakage protective device so as to disconnect the supply instantly at the occurrence of earth fault or leakage of current. The maximum earth leakage threshold for tripping shall not exceed 100mA under any circumstances as per CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 42.			
	5. All the electrical equipment, PCR, Diesel tanks, Mud tanks should be double earthed. The body and neutral earthing shall be separate and the neutral earthing shall be covered always. The earthing system shall be in accordance with CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 41 & 101.			
	6. All metallic body having electrical equipment shall be earthed properly by two separate and distinct connections with suitable earthing strips. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 41(xii) & OISD 216].			
	7. There shall be a provision to earth the HSD tanker/bowser at two distinct points during unloading/ loading to/from the fuel tanks at drilling site. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 41(xii) & OISD 216].			
	8. The mast shall be provided with lightening arrestor. The lightening arrestor shall be grounded with continuous cable, of appropriate insulation, at two separate & distinct points.			
	9. All auxiliary motors, lighting, plug/socket, junction box, starter, push button not placed at safe distance (outside 30meters radius from well-centre) shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.110].			
	10. AC/DC Electric Motors: Adequate numbers of AC/DC motors with adequate continuous HP			

	rating shall be provided for operation of draw-works, top drive, rotary drive and slush pump at their respective rated capacity. The motors shall be complete with suitable blowers and ducting. **11.** AC-SCR or AC-VFD System- Suitable AC-SCR or AC-VFD systems of reputed make shall be provided. **12.** Rig package shall be complete with all electrical control room, SCR cubicles or VFD & Rectifier Cubicles, DC/AC power control room, AC power control room to match the auxiliary loads of mud system, water system, fuel system, air system, lighting system etc. mentioned in this section. **13.** Power pack and SCR system control rooms or AC-VFD system control rooms to be placed at safe distance, i.e. at a distance of 30 meter (minimum) from the well center. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110] **14.** All DC motors or AC VFD motors shall have blowers with suitable ducting & filter System. **15.** All light fittings in the rig shall be energy efficient preferably LED type. Lights not placed at safe distance (outside 30meters radius from well-centre) shall be FLP (Ex-d) type. Two (02) numbers FLP (Ex-d) type night aviation warning lights are to be fitted at the top of the mast. These lights shall be operational at all times from the moment the mast is raised and till the mast is finally lowered irrespective of well operation. As per IAF requirements, specifications for the above lights are – **Color of light: Red (Flashing), Light intensity: 10cd.** Additionally, one daylight flasher type aviation warning light is to be fitted at the top of the mast in addition to red aviation warning lights. This light is to be used during day time when the drilling location is situated within flying zone near IAF airfields. As per IAF requirements, specifications for the above light are – **Color of light: White (Flashing), Light intensity: 20000cd, Flashes per minute: 20-60 flashes per minute.** **16.** Electrical system shall be provided with all necessary cables and cable trays with grasshopper (Z-trays) arrangement to the derrick floor. Cable trays shall be grounded adequately. **17.** Adequate lighting shall be provided but not limited to the following i.e. lighting the mast and			

	substructure, rig floor, power packs, power control room, plinth area, mud pumps, generators shades mud system, water system, fuel system, air system, BOP control unit, dog house, mud storage house, well site offices, chemical storage & lab. Areas, camp etc. **18.** Emergency lighting system shall be provided at the PCR(s) (minimum 2 Nos. in a PCR) and BOP control unit. **19.** The bidder must obtain and furnish the following documents which are statutory requirement. These must be provided before mobilization of the rig. Mobilization shall not be considered complete unless these documents are submitted. **(i)** Test Reports confirming to IS/IEC/EN:60079 for all the electrical equipment/ components/ accessories which are to be used in hazardous area [Zone 1 or Zone 2, Gas groups IIA and IIB] of the drilling well. The bidders shall submit test reports conforming to the above relevant standards from an Indian Government Laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body, which is not a part of manufacturer's facility. **(ii)** Single line power flow diagram of the rig Also to be submitted along with the technical bid. **(iii)** A Plan layout of electrical equipment used in the rig Also to be submitted along with the technical bid. **(iv)** Details of all electrical motors, control gear, other electrical equipment and accessories used in the classified hazardous area. **(v)** Details of alternators, electrical motors, control gear, all cables, other electrical equipment and accessories used in non-classified area. **(vi)** A layout of the complete earthing system including earthing of diesel tanks, PCRs, AC & DC motors, starters, alternators & any other electrical equipment used for the purpose Also to be submitted along with the technical bid. **20.** Pressurized type driller's console and foot throttle (if used) should be used in the rig. Air purging system should be provided for the above. **21.** The entire electrical installation job should be carried out as specified in the latest version of CEA (Measures relating to safety and electric supply) Regulations, 2010 and other relevant standards			

	and precaution should be adopted in the Oil field as specified in the CEA (Measures relating to safety and electric supply) Regulations, 2010.			
	22. The power cables used for VFD Drilling motors (if applicable) shall be copper cables of min 2000V grade. The cable insulation and sheath material should be Type-P as per IEEE-1580. The cable shall be suitable for use in oilfield hazardous area, Zone-1 & Zone-2 and Gas group II-A & II-B of oil mines and the cables shall conform to the provisions stipulated in line with IEEE-1580 Type-P with the latest amendments. The cables for DC motors and alternators shall be single core flexible copper cables of minimum 1000 volts grade, EPR insulated, CSP/NBR sheathed. All other Electrical Cables used in the Drilling Rig should be multi core flexible copper cables of minimum 1000 volts grade, EPR insulated, CSP/NBR sheathed. All electrical cables shall conform to the provisions stipulated in line with IS-9968-1 read with the latest BHEL specifications (OR12003, OR12002 & OR12005) as the case may be. If the standard of a particular type of cable is not available in India, the cables must comply relevant International standards (IEC 502) with latest amendments. Ref. to DGMS Tech. Circular (Electrical), (Approval) No. 17 dated 25/05/2015.			
	23. For all hand-held portable apparatus voltage shall not exceed 125 V as per CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 102 (i).			
	24. Tri-lingual notices shall be exhibited forbidding unauthorized operation, cautioning the presence of electrical apparatus as per CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 109 (7(i)).			
	25. Schedule – XIII shall be present and filled as per CEA (Measures relating to safety and electric supply) Regulations, 2010, clause 110 (9) & regulation no. 115(5).			
	26. The switchgear and protective system shall be kept effective, maintained and checked and result shall be recorded as per CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 100(3).			
	27. Electrical isolation / Energization permits shall be maintained as per Oil Mines Regulation, 2017 regulation no. 99 and OISD 216.			
	28. Remote PBS placed in hazardous area should have intrinsically safe circuits with a maximum of 30 Volts. [Ref: CEA (Measures relating to safety and			

	electric supply) Regulations, 2010, regulation no. 102(iv).].			
	29. Following tools shall be maintained for electrical jobs – **(i)** FLP torch **(ii)** Intrinsically safe Insulation Tester **(iii)** Multimeter **(iv)** Clamp meter **(v)** Earth Tester **(vi)** Safety belt **(vii)** Rubber insulated gloves (of appropriate voltage grade) for electrical purpose. It shall be ensured that hand gloves are used every time an authorized personal works on electrical panel/ equipment. **(viii)** Discharge sticks & lamp tester **(ix)** Electrician's Tool Kit **(x)** Lux meter **(xi)** Ladders			
	30. Shock treatment chart should be displayed in the PCR. This should contain telephone number of fire service and other emergency services. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.28 (1) and OISD 216 (Annexure-2&4)].			
	31. Smoke detection system: All the PCRs shall have smoke detection system as per requirement of OISD Std. No: 216 (7.1(xxiv)).			
	32. All electrical equipment (motors, alternators, Starters, PBS etc.) shall have Danger notices/ caution boards of appropriate voltage. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.18 and OISD 216(Annexure-4)]			
	33. Valid calibration records of all the measuring instruments shall be available at site [Ref. OMR 109 (6) & OISD 137 (6.2.9)].			
	34. All electrical panels shall be painted with the description of its identification at front and at the rear. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.19(6)]			
	35. Insulation mats of appropriate voltage shall be available in all electrical PCRs, stand by alternators and all distribution boards. [Ref: CEA			

	(Measures relating to safety and electric supply) Regulations, 2010, regulation no.19 (5)].			
	36. All connections to the motors/PBS/junction boxes should be through double compression glands. All the FLP double compression glands are correctly installed and the cable entry is tight. The cable size should match with the gland. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.106 (vi) & OISD 216].			
	37. Busbar connections / terminations shall be insulated with appropriate insulating tape; naked joints shall be avoided. Terminal blocks of cable entry shall be covered with hylam or transparent insulating plastic sheet. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.17 & OISD 216 (7.1(vi))].			
	38. The following registers/documentation files (minimum) shall be maintained at site: **(i)** Electrical Log Book Register to maintain records of operational parameters and energy consumption data (every shift) **(ii)** Daily Progress Report. **(iii)** Electrical Equipment Maintenance Register **(iv)** Breakdown Maintenance Register **(v)** Well Site Inventory Register **(vi)** Schedule-XIII [of CEA (Measures relating to safety and electric supply) Regulation, 2020] **(vii)** By-pass register viii. Register for management of change **(viii)** Earthing resistance value record register **(ix)** RCBO test record register **(x)** Filled up tool box talk record file **(xi)** Closed electrical isolation permit record file **(xii)** Commissioning record file			
	39. INSPECTION OF RIG BY AUTHORITIES: Bidder should agree to make the electrical facilities of the rig available for inspection by statutory authorities / Company as and when required, and arrange to provide all documents, records, and facilities required by such authorities/Company. Bidder should also agree to implement any requirement / modification / additions as suggested by the authorities, whether during such inspections, or otherwise, in a time bound manner.			
	40. PROVIDING POWER TO PRODUCTION SETUP AT DRILLING LOCATION: It shall be the responsibility of the Contractor to supply power to			

	production setup if required (Power Supply should be 50 Hz, 415 V, 3 Phase without neutral), as long as "rig-down" is not declared. The Contractor can stop power supply to such production facilities after rig-down is declared. **41.** All electrical motors, light fitting and other electrical equipment used with Effluent Treatment Plant (ETP)/VCD package (if any) shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110]. **42.** The Electrical Supervisor engaged by the Contractor shall have the responsibility of operation, maintenance and support of the electrical equipment of the ETP plant. **43.** All electrical records of the ETP plant should be maintained by the Electrical Supervisor. These records should be presented for scrutiny as and when required by statutory authority / Company. **NOTE:** The electrical clauses which refers to CEA (Measures relating to Safety and Electric Supply) Regulation, 2010 shall be treated in line with relevant amended clauses in CEA (Measures relating to Safety and Electric Supply) Regulation, 2023 **F) DRILLING INSTRUMENTATION & COMMUNICATION SYSTEM**: Rig Instrumentation and communication system shall consist of, but not limited to the minimum following systems. [Make: Martin Decker or equivalent make] **1) WEIGHT INDICATOR**: Martin Decker type E/EB or equivalent wt. indicator complete with accessories and suitable wire line anchor for appropriate number of lines strung at Driller's console. **2) DRILLER'S CONSOLE:** Driller's console [Martin Decker or equivalent make] shall consists of, but not limited to the following –			

	• 1 No. of suitable Mud pressure gauge (additionally one on standpipe manifold & one on each mud pump) • Tong torque gauge • Rotary torque gauge • Rotary RPM meter • Individual pump SPM counter for each rig pump. **3) ADVANCED INSTRUMENTATION SYSTEM**: a. NOV MD Totco Drill watch or equivalent system (latest version) to be provided inside Driller's Console for monitoring critical drilling parameters such as hook load and bit weight, standpipe pressure, RPM and torque, depth of hole, total active mud volume, gain/loss, individual and totalized SPM from pumps, return flow on Rig floor and for recording in the Workstation at company representative's office. b. The system shall be equipped with corresponding server system for data acquisition and storage of these critical parameters. Daily report of these parameters shall be generated and hard copies along with the soft copies of the same shall be submitted to the concerned Company Representative. Upon completion of a well, entire well data should be available and also to be submitted to the concerned company representative in soft form in a transferrable storage device like Pen drive, DVDs or external Hard disk Drives so that the data can be accessed in future for reference. The system shall support WITSML 1.3.1 / 1.4.1 format to export all its drilling parameters to third party data aggregation server at the rig site. c. Audio visual alarm shall be provided for the following minimum parameters: f) Active Pit Level g) Mud Return Flow Rate High/Low h) Rate of Penetration High i) Pump Pressure High/Low j) Block Proximity Crown & Floor **4) ONLINE GAS MONITORING SYSTEM**: Online Gas Monitoring System shall be capable of continuous monitoring of two gases particularly Hydrogen Sulphide (H2S) and Methane (CH4). The system shall consist of Multi-Gas detectors/Single			

	Gas detectors for detection of these two gases. The system shall also consist of a control unit for continuous monitoring, measurement and generation of audio-visual warning alarm. There are two gas detection locations in the Rig, one is at Well Head and another is at the Shale Shaker. The system shall be capable of monitoring all the two gases in these two locations. Gas detected shall be measured and displayed in the common controller/display unit to be located at Doghouse/Rig-superintendent's office. But the explosion proof Hooter & Flasher shall be mounted at rig- floor. Calibration Kit & Accessories shall be provided along with the system for periodic calibration and maintenance of the system, the record of which shall be maintained as per norms. **5) RIG INTERCOM SYSTEM**: Suitable flame proof, explosion proof & intrinsically safe Rig Intercom cum Public addressing system complete with hand set / speaker / amplifier for communication between Dog house, mud attendant's cabin, PCR, mud pump area, geologist's cabin, tool pusher's office and company representative's office, on mast and Rig Floor. 4 nos. of intrinsically safe Walky talky should be provided for communication between Dog house, mud attendant's cabin, PCR, mud pump area, geologist's cabin, tool pusher's office and company representative's office, on mast and Rig Floor. It is needed that 02 way communication system should be available at all time for proper communication to base, 02 nos. of WLL phone/Fixed GSM wireless phone with external antenna should be provided. . **6) PORTABLE GAS DETECTORS**: Minimum 3 nos. of Digital Portable Multiple Gas Meter (gas detectors) to be provided. The gas detector should have certification of DGMS, CMRI/CCOE or equivalent for Zone 1, Class IIA, IIB, IIC area., (suitable for H2S, CO & CH_4 gas shall also be available).**SELF-CONTAINED BREATHING APPARATUS**: 2 nos. of Protective Self-Contained Breathing Apparatus (SCBA), 8 nos. of Gas Mask Respirator with sufficient filters for H2S environment. **7)** Electrical measuring/testing instruments. **8)** Noise and Illumination level measuring instruments. **9) VIDEO CONFERENCING**			

	Audio-visual system for high resolution video conferencing between the location and Drilling Services office 24 x 7 with two side by side display screen in both side of sizes not lesser than 65" (well site and drilling office)			
	10) CCTV SURVEILLANCE SYSTEM • The rig shall be equipped with effective CCTV surveillance system to monitor all operations closely as per DGMS guidelines [vide DGMS Technical Circular No. 01 of 2019 dated 30.10.2019]. • If video monitoring system/CCTV system is used for drilling operation in the rig, then the system should have certification for use in Hazardous Areas Zone 1. **Note(1)**: (a) Contractor's deployed personnel should have the required competency to install, deinstall & maintain all the Instrumentation system / packages connected with the drilling rig for safe operation of the Rig. (b) All the above systems, Advanced Drilling Instrumentation system (Drill watch system), Control System of Rig Equipment, Gas Monitoring system, Intercom/PA system & CCTV system shall comply all the statutory norms. For this purpose, all approvals and necessary clearances (including statutory DGMS approval required if any), shall be provided by the supplier. (c) The supplier shall provide all systems along with field instruments/sensors suitable for use in Zone1/ Zone 2, Class-I, Division-1 & 2, Group C&D with SIL 2/3 hazardous area as applicable for On-land drilling rigs. The certification for each unit and sensors to be used at classified hazardous area shall be from test facilities as mentioned in OMR 2017. (d) All test certificates, calibration certificates and approvals (if required) shall be submitted, and periodic calibration certificates of all instruments shall be properly maintained. (e) Regulation 107 of OMR-2017. Use of electrical equipment in hazardous area. - (1) No person shall use electrical appliance, equipment or machinery including lighting apparatus in zone "0" hazardous area. (2) The owner, agent and manager of every mine shall ensure that the electrical appliance,			

	equipment, machinery or other material that are used or may be used in zone "1" or zone "2" hazardous area of the mine is of a type and specification conforming to an Indian standard or an international standard adopted by the Bureau of Indian Standards through harmonization, specified by the Chief Inspector of Mines by a general order notified in the Official Gazette: **Note(2):** (a) All the electrical/electronic instruments/sensors required to be installed shall be of explosion proof (Type Ex-d) suitable for use in oilfield hazardous area, Zone-I & Zone-2, and Gas group IIA & II B of oil mines and shall conform to clause no.107 of OMR-2017 and subsequent notifications from DGMS. Test reports conforming to the above relevant standards from an Indian Government Laboratory or NABL accredited laboratory or IECEx accredited laboratory orATEX notified body, which is not a part of manufacturer's facility; shall be submitted with the quotation as well as with during the mobilization of Rig. In case of such Test Reports are not available at the time of submitting the offer, the same shall be submitted prior to commencement of operation. The bidder shall categorically confirm the same in their offer. (b) Contractor's deployed personnel should have the required competency to Rig- up, Rig Down, maintain, calibrate & operate the Advanced Instrumentation System connected to the drilling rig in a safe and efficient manner for operation of the Rig. (c) **Documents Required**: The bidder should furnish the following along with their techno-commercial bid. i) Details of all Instrumentation systems. ii) Copies of valid approvals of CIMFR/ recognized laboratory of country of origin related to electrical/electronic instruments for use in Oilfields hazardous areas, zone 1 and zone 2, Gas Groups 2A and 2B. iii) Also copies IS/ IEC standards as specified by DGMS as per clause no. 107 of OMR2017 of electrical/electronic instruments for use in Zone 1 and Zone 2 hazardous areas. Also, all the electrical/electronic instruments for using in Zone 1 and Zone 2 hazardous area of the mine shall conform to IS/ IEC standards as specified by DGMS as per clause no. 107 of OMR- 2017. **G) WASTE MANAGEMENT FOR SOLID AND LIQUID EFFLUENT TRATMENT** Contractor to provide			

	waste management services as per Annexure-Waste Management Services			
	H) MISCELLANEOUS ITEMS			
	1) Doghouse			
	2) **Two sections catwalk and pipe racks of sufficient capacity and length as back up of automatic catwalk**.			
	3) Storage and tool house.			
	4) Pipe and casing rack of suitable height and adequate capacity.			
	5) Suitable arrangement at the end of flow nipples of well head for fixing gas monitoring equipment, with a suitable shed for the gas logger at that location.			
	I) SECURITY SERVICES: The Contractor shall be wholly responsible for complete Security of their personnel, their Rig package, Well Sites, Camp, etc. during ILM, operations, transit etc. and arrange suitable, complete and best Security Services accordingly on round the clock basis for their personnel and equipment as well as the personnel, equipment & other materials of the Company & Company's third party service providers at well sites throughout the tenure of the contract. All security related issues shall be dealt with by the Contractor on their own including dealing with Government agencies. Suitable fencing with security gate & proper area lighting at well site as well as at camp sites will be the sole responsibility of the Contractor. The Company will in no case be involved in security related issues. The Contractor shall also be responsible for safety and security of the Company's & Company's third party personnel / equipment / tools / materials etc. at the well site and at camp site and shall provide best security services to them during the tenure of the contract. **Note**: Contractor should deploy at least 12 nos. of personnel for well site security. All the expenses related to security service shall be borne by the Contractor.			
	J) EFFLUENT PIT BUNDS:			
	1) Regular checks are to be made to ensure that there are no leakage/seepage/ overflow of effluents from the pit into the surrounding areas.			
	2) The bunds/walls of the effluent pit are to be checked for any breaches during the operation and the same are to be informed to the Company and repaired immediately.			
	K) COLLECTION OF USED/ BURNT LUBE OIL:			

	The used lube oils are to be collected separately in drums. Floating burnt oil, if any, in the effluent pit has to be lifted and collected into drums immediately.			
	L) <u>GENERAL NOTES:</u>			
	1. Minor variation in size and specification of tools and equipment quoted with the rig should be acceptable provided these are fully compatible with the offered rig.			
	2. The total number of rig loads required for rig movement should be clearly spelt out in the bid giving details of each load.			
	3. Approximate transportable dimension of one rig load should be preferably within 9 M (L) x 3.5 M (W) x 3 M (H).			
	4. Supply, storage, consumption / regulation of water & fuel at the well sites as well as at the camp site shall be the contractor's responsibility. Any shut down of operation due to non-availability of water and fuel shall be on the contractor's account.			
	5. The Bidder shall submit the layout drawing of the offered rig package indicating loading pattern of soil / foundation under the following conditions: (iv) While raising / lowering mast. (v) With rated hook load + set back load. (vi) With casing and set back load. The above shall be furnished with the bid.			
	6. The digging of deep tube wells at the respective sites and installation is Company's responsibility however Supplying all equipment/materials for sinking of the tube well, operation of water pumps, extraction of water from deep tube wells for rigs as well as camp shall be the contractor's responsibility. For the sake of the Contractor's knowledge the depth of deep tube well in the region will be approximately 15-50 m (with double filter installed). Supply of water from alternate sources shall be the responsibility of the Contractor, if no water is found at the exact camp or well site.			
	7. Supply of LDO/LWC for mud preparation and for meeting other downhole eventualities will be the company's responsibility. The Contractor shall also provide fuel for all of their vehicles and other stationary engines.			
	8. All sorts of lubricants for day-to-day operation of various rig equipment's shall be supplied by the Contractor. Also, various spares for rig components shall be stocked / supplied by the Contractor.			

	9. All sizes of drilling bits as required separately under different casing / hole policy shall be provided by OIL. **Contractor will supply on request, bits selected by OIL at actual cost + 5% handling charge**. 10. **Well killing:** The primary responsibility of well killing and all related operations shall lie with OIL. OIL shall provide man, material and fire service for this purpose. OIL shall render help in civil administration when such a situation arises. Competence of the Contractor's well killing operation shall be decided by OIL. Based on this, OIL reserves the right to bring in external experts. The resultant cost thereof shall be borne by the contractor, in the event that the blow out occurred due to negligence of the Contractor. 11. It is Contractor's responsibility to provide One (1) no. of Diesel Engine Driven Reciprocating type, Duplex, Double acting horizontal piston type pump flow rate of minimum 45 KL per hour at 570 psi completed with all the piping and fittings for pit evacuation to be used in case of emergency. 12. Mobilization Notice for the OPTIONAL items shall be issued separately. **M. CIVIL ENGINEERING WORKS** **1)** The approximate well plinth preparation for a similar drilling rig as available with the Company is broadly as follows: (i) Approx. plinth area: 9215 Sq. m. (ii) Concrete volume: 700 to 750 cum (for foundations of slush pumps, drilling rig, rig engines, ETP foundation etc.). (iii) Hard standing area: 5640 Sq.m. (iv) Effluent pit volume: a. 8,00,000 gallons for Development well. b. 10,00,000 gallons for Exploratory well. (v) Safe Bearing Capacity: 8.00 Kg/Sq.cm. The Contractor may use the above information as a guideline only. The Contractor's and OIL's responsibilities in this regard are defined below. **2)** All Civil Engineering jobs associated with preparation of approach road, well site plinth, well site toilets as per OIL standard, rig foundation (with cellar) etc. will be the Company's sole responsibility. However, the Contractor shall submit the following along with technical Bid in order to assess the quantum of civil engineering works required –			

	(i) Rig layout drawing clearly indicating areas where RCC and hard standing is required. **(ii)** Substructure foundation design and detailed working drawing. **(iii)** Cellar foundation design and detailed working drawing. Also, indicate maximum allowable cellar foundation size. **(iv)** Structural configuration and load distribution of the rig package / equipment. **(v)** Detailed design and working drawing of any other equipment requiring cement/concrete foundation. **(vi)** All approach roads to well site and hard standing of well sits will be made from gravel locally available without any black toping what so over as per prevailing practice. **(vii)** The foundation for substructure, mud pumps, engines, PCR, HSD tank etc. shall be constructed by company as per the working drawing submitted by the contractor at one go. Any addition or alteration of foundation at the later stage or during rig up operation shall be done by the Contractor at his own cost and additional time required for such kind of alteration shall be attributed to the Contractor. **(viii)** In case of delay in submission of rig layout diagram by the Contractor results in delay of preparation of plinth and subsequently delay in mobilization shall be attributed to the Contractor. **3)** Construction of all types of sheds/ ramps (if required by the contractor) over equipment's, tanks, chemical storage, telephone etc or construction any temporary hut required for operation and also subsequent dismantling of the same after completion of well will be the responsibilities of the company (OIL). CGI sheets for such jobs are to be provided by the contractor and all other materials will be provided by OIL. **4)** Fabrication including necessary sizing / adjustment in length of false conductor with available cut pieces is Contractor's responsibility. The raw materials for fabrication of false conductor will be supplied by the Company but fabrication to be done by the Contractor at well site including grouting of the same landing/placement of same. Grouting of false conductor will be done by company.			

	5) Grouting of the false conductor including supply of the false conductor (may be in cut pieces) & civil-materials will be responsibility of OIL. However, Sizing/ fabrication work or any other associated job is to be done by the Contractor. **6)** All grouting required for anchoring guy post/any wire line (if required), delivery/other lines etc. including supply of civil materials for such jobs will be responsibility of OIL. **7)** Maintenance of Well plinth, Approach roads to well sites, shall be the Company's responsibility including supply of materials. **N. CAMP** 1. Setting up of camp is the sole responsibility of the Contractor. However, Company may provide land for setting up camp at well site subject to availability of sufficient land. In case the available land is found inadequate then the contractor at his own cost shall arrange additional land for setting up the camp. For the camp, the Contractor shall take all responsibilities for preparation of site, making foundation as per their requirement etc. etc. Note: Company will built septic tank / soak pit for the camp. 2. The day to day maintenance and housekeeping of the plinth including drainage of effluent, drainage of rain / accumulated water, removal and disposal of drill cuttings & other waste, repairing & maintaining road over plinth during the entire drilling operation shall be the Contractor's responsibility. 3. The Civil materials required for camp maintenance shall be supplied & arranged by the Contractor. **Note**: Contractor should provide necessary lay-out, drawings and other details required for preparation of drill site and base camp site by OIL along with the techno-commercial bid. **O. PANEL FENCING** 1. Erection and dismantling of Panel fencing in well site in the Company's responsibility. The required number of Panel fencings for the same shall be supplied by the Contractor and specifications regarding panel fencing should conform to OIL's standard drawing. Note: 1. Civil Materials mentioned in above clauses are cement, sand, aggregate, brick/ brickbats, gravels, boulders, broken stone etc. 2. All the civil ancillary jobs are under OIL's responsibility and intimation from Contractor for getting the jobs			

done in time should be received by OIL well in advance so that drilling operation is not hampered.

2. Erection and dismantling of Panel fencing in well site as per OIL's standard drawing. The required Panel fencings as per OIL's drawing will be supplied by the Contractor.

Note:

1. Civil Materials mentioned in above clauses are cement, sand, aggregate, brick/ brickbats, gravels, boulders, broken stone etc.
2. All the civil ancillary jobs are under OIL's responsibility and intimation from Contractor for getting the jobs done in time should be received by OIL well in advance so that drilling operation is not hampered.
3. Contractor should have sufficient numbers of panel fencing to cater two locations simultaneously during ILM phase.

P. ASSOCIATED SERVICES: The Contractor should coordinate with Company / Company's third-party service providers & extend all required help / guidance in consultation with Company's representative for proper coordination, functioning & uninterrupted operations. In case any of the services are provided by the Company's in-house facility then the Contractor should also provide necessary help for its smooth operation.

1) MUD ENGINEERING SERVICES

i) Standard Mud testing laboratory with the requisite mud testing equipment including but not limited to Fan Viscometer, API & HP-HT fluid loss apparatus, lubricity testing equipment etc. along with the laboratory & necessary mud testing equipment/ apparatus etc. shall be provided by the contractor.

ii) OIL shall submit a detailed stage wise mud programme based on the depth data/casing policy as indicated in this document including their recommended dosage for mud additives and optimum range of mud parameters which need to be maintained by Contractor at the well site for achieving trouble free drilling operations.

iii) Shift wise mud report in detail (as per standard IADC Proforma) indicating all mud properties like mud weight, viscosity, API fluid loss, HP-HT fluid loss, `O' gel/15' gel, mud stock, details of chemicals/additives mixed during the shift, the operating

		condition of solid control equipment, Mud hydraulics etc. shall be prepared and submitted to the company representative by the Contractor's Mud engineers..			
		iv) The Contractor must ensure proper maintenance of mud parameters to avoid damage to producing formations and maintain a good bore hole. He should also ensure the availability of mud chemicals at well site by submitting his requirement to the company's representative well ahead of time.			
		Note: In case of any difference of opinion at any stage, with regard to mud policy, OIL's mud programme shall prevail and the Contractor must use OIL's mud policy at that point of time.			
	2)	**CEMENTING SERVICES**			
		The Company / cementing service provider (if engaged by the Company) shall perform the cementation jobs at the wells planned to be drilled. The Rig Contractor shall render all necessary help as described below for smooth operations & to carryout job successfully. Boarding & Lodging facility at site for three Cementing personnel free of charge shall have to be provided by the Contractor during the call out period.			
		(i) OIL shall perform the cementation jobs at the wells planned to be drilled. The Contractor shall provide the following tools, equipment and services to enable OIL to carry out the jobs successfully.			
		(ii) Suitable Compressor/compressed air for loading/off-loading of oil well cement at well site storage facilities. The requisite spares for compressor are to be maintained by contractor.			
		(iii) Both slush pumps shall be used (individually or in conjunction) to pump cement slurry. Expected parameters are 3500 psi, (max.) 400 GPM.			
		(iv) Unloading of OIL's cement from transport silos to field silos & vice - versa at well site under supervision of OIL.			
		(v) OIL's Field storage silos if attached to the rig shall be rigged up / down, maintained and transported by the Contractor to forward location.			
		(vi) OIL shall provide a platform with a set of hoppers, bucket tank (4'x4'x2') to the Contractor/which shall be operated and			

	maintained by the contractor. All necessary lines & fitting for above arrangement will be provided by OIL. (vii) The Contractor shall provide suitable air connection with suitable air and lube oil regulator to tap air pressure from main air supply of the rig or its branches for hooking upto cementing silos for pneumatic loading/unloading of cement to the cement hoppers/field silos. (viii) Contractor shall assist to deploy all other cementing services/contract which may be provided by company in future. (ix) Contractor shall provide Two (2) Electric motor driven horizontal multistage centrifugal pumps set complete with piping/ Dresser type couplings and butterfly valves with hopper arrangement and should be mounted on an independent three runner oilfield skid. These pump sets will be used to load chemicals through hoppers to water tanks, to agitate the mixture by jet gun/ and to feed chemical-mixed (gauging) water in the cement hopper for preparation of cement slurry. Each horizontal multi stage centrifugal pump should be capable of developing minimum 150 m. of head and the discharge of each pump should be minimum 60.0 m3 / hr at 1450 rpm. (x) The Contractor shall be required to assist OIL in performing all cementation jobs at all the wells. (xi) OIL may at any time decide to utilize a cementing unit for carrying out the cementation job. Further the Contractor will carry out cleaning / flushing of cementing unit and associated surface lines after completion of the cementing jobs. (xii) Slush pumps shall be used for pumping of cement slurry displacing fluid. (xiii) The size of field silos to be provided by OIL shall be 8.06 m(H) x 2.75 m (W) x 2.75 m (W) = 03 Nos. or as available. (xiv) **OTHER FUNCTIONS:** A cementation job includes all primary, secondary and plug cementation of a well. The mode and schedule of cementation of the well where the Contractor's rig is deployed shall be fixed by OIL. The Contractor shall render all personnel, machinery, infrastructure [except the items which will be provided by OIL as			

	mentioned above], water, air, etc. to carry out the jobs successfully. **(2) Fixing of cementing accessories and equipment.** Following specific facilities are essential in order to utilize cementing units besides rig pumps for executing primary cementation jobs. i) One additional high-pressure (7500 psi) discharge line (minimum 3" dia) other than standard mud pump delivery line is necessary. This particular line, connecting both the rig-pumps with stand pipe junction manifold at Derrick floor should be provided with adequate valve arrangements (for isolation) wherever required for the purpose of flexibility during cementing operation. We should have the option of utilizing both rig pumps as well as cementing units for carrying out cementation jobs. Once again we repeat that the 3" dia. HP line must have provision for receiving delivery from both rig pumps with adequate isolating facilities. ii) 2" hammer union T-type outlets from the rig pump pressure gauge points should be provided for connecting pressure recorder assembly during cementing operation. The said facility should have the provision of interconnecting both the pumps through 2" high pressure line having adequate isolating facilities. These facilities must ensure recording of relevant data even while carrying out parallel pumping. Note: A common suction line of 8" NB for both the slush pumps from the cementing hoppers and pre flush tank must be provided with necessary fittings, valves etc. **(3) Pre cementation equipment readiness**: The contractor shall thoroughly clean-up and make all cementing suction and delivery lines from slurry mixing/pre-flush tanks etc. to slush pump and slush pump to stand pipe junction manifold point at Derrick floor, all mud lines, air & water lines perfectly ready to the satisfaction of OIL's Cementing Engineer. One remote electrical control panel to operate the rig slush pumps should be installed at a suitable place near slush pumps for operation and control of the pumps by the Cementing Engineer, if advised by OIL. **(4) During cementation readiness**: The Contractor shall, during the cementing job, attend to all problems, render help and rectify all defects to the satisfaction of OIL's cementing Engineer. These shall include equipment and accessories supplied by OIL also. **(5) Post cementation follow up action**: The Contractor shall carry out cleaning and flushing to			

	remove all traces of cement from unwanted locations. They shall also disassemble and remove/load all OIL's equipment, which are required to be removed after the mandatory period. **3) CORING SERVICES:** The Contractor shall be required to take cores through coring service provider (engaged by the Company) during drilling at different stages whenever desired by the Company. The Contractor shall render all necessary help for smooth operations of coring services.. **4) LINER HANGER SERVICES:** The Company / Liner Hanger Service Provider (engaged by the company) shall perform the required jobs at the wells planned to be drilled. The Rig Contractor shall render all necessary help for smooth operations of liner hanger services. Boarding & Lodging facility at site for one Liner Hanger Engineers free of charge shall have to be provided by the Contractor during the call out period. **5) DIRECTIONAL DRILLING SERVICES**: The Company or Directional Drilling Service Provider (if engaged by the company) shall perform the required jobs at the wells planned to be drilled. The Contractor shall render all necessary help for smooth operations of vertical / Directional drilling services. Boarding & Lodging facility at site for four deviation personnel free of charge shall have to be provided by the Contractor. **6) WIRELINE LOGGING SERVICES**: The Company / Wireline Logging Service Provider (engaged by the Company) shall perform the required jobs at the wells planned to be drilled. The Rig Contractor shall render all necessary help for smooth operations of wireline logging services. **7) MUD LOGGING SERVICES:** The Company / Mud Logging Service Provider (engaged by the Company) shall perform the required jobs at the wells planned to be drilled. The Rig Contractor shall render all necessary help for smooth operations of mud logging services. **8) PRODUCTION TESTING SERVICES:** The Company / Production Testing Service Provider (engaged by the Company) shall perform the required jobs at the wells planned to be drilled. The Rig Contractor shall render all necessary help for smooth operations of production testing services. **9) CASING CUTTING SERVICES:** Contractor shall provide casing cutting services, if necessary, to cut casing at well head after setting slip seal assembly.			

	10) TORQUE AND TURN SERVICE: Company may engage Torque and Turn Service as and when desired by the Company through hired service for proper make up torque and record of the same during lowering of various sizes of casings, liners and production tubing at the wells planned to be drilled. The Rig Contractor shall render all necessary help for smooth operations of torque and turn services. **11) MANAGED PRESSURE DRILLING (MPD) SERVICES**: The Company may engage Managed Pressure Drilling (MPD) Service through service provider in 01 or 02 wells as per requirements with this rig. The Rig Contractor shall render all necessary support/help in accommodating MPD service for smooth operations. **12) CATERING SERVICES** 1. An industry standard catering & housekeeping service serving Indian and continental food to all the Contractor's personnel and at least 25 (twenty-five) personnel to be designated by Company (OIL) per day shall be made available during the entire contractual period by the Contractor without any extra charge to Company. Aforesaid **25 (twenty-five)** Company designated personnel includes personnel of all third-party Contractors (engaged by the Company) for drilling associated services like Mud Logging, Mud Engineering and Cementing, coring, liner hanger services etc. as mentioned in para 4.9 above. **2. KITCHEN:** State of the art skid mounted modular hygienic kitchen having four burner stoves, fridge, oven, cutting table, Atta mixer, exhaust, serving window, washing area, storage, etc. should be used for cooking. 3. Catering Services include bed tea, breakfast, lunch, evening tea with snacks and dinner. 4. Cooking in temporary sheds will not be allowed. **13) MEDICAL SERVICES**: Suitable first aid medical services shall be provided by the Contractor on round the clock basis with an attending Doctor on call 24 Hrs. a day. The Doctor shall be available at site at all times during the entire contractual period with sufficient quantity of First-Aid equipment & medicines to meet any emergency. **14) CAMP AND OTHER ESTABLISHMENT**: Industry standard camp facilities for the Contractor's personnel (inclusive of third-party Contractor's personnel) including camp site dispensary, catering, sanitation & laundry services shall be provided by the Contractor. Additionally, fully furnished air- conditioned bunk house type accommodation should be provided by Contractor			

	for at least **25 (Twenty-five)** numbers of Company's personnel or any third-party representatives to be designated by Company. The camp should be well maintained with normal recreational facilities including LCD/LED TV with DTH, etc. at the Contractor's cost. The camp facilities to be provided by the Contractor to the Company should include but not be limited to the following: a) 3 (Three) 1-seater unit accommodations with attached bath and toilet. b) 3 (Three) 2-seater unit accommodation with attached bath & toilet. c) 4 (Four) 4-seater accommodation with attached bath & toilets. d) 1 (One) office cum living unit for Company's Representative at site. The unit should be equipped with refrigerator, computer, internet with e-mail, printer, scanner, fax machine & other communication equipment. This unit should be near to rig superintendent's office and should have inter-connection. e) 1 (One) unit with all facilities (i.e., conference table, chairs, projector, screen, computer, etc.) for conducting meetings at well site. f) All bunk houses shall be air-conditioned and fully furnished. g) The Company would avail catering services at well site with fixed menu. h) At least one spacious air-conditioned bunk house containing all recreational cum sitting facilities. i) 1 (One) laundry unit with attendant service. j) 1 (One) air-conditioned bunk house type first aid disbursement room to meet any emergency with doctor and attendant. k) Two (2) Spacious dining halls shall be provided by the Contractor, one exclusively for workmen (of Contractor's / Company's third party / Company's) & one exclusively for officers (of Contractor's / Company's third party / Company's). Modular Kitchen, store bunk house etc. shall be provided as per convenience & requirement of the Contractor. NOTE: i) The Contractor should bring light and easily transportable dwelling units for camp establishment nearer to the drilling locations. ii) All units including those to be used as office/lab should be fully furnished and air conditioned with proper lighting arrangements. The dimensional			

	sketches of all units are to be provided with the bid. Waste management & Safe disposal of effluents from camp toilets/kitchen and rig site toilet, etc. (using septic tank & soak pit) will be the responsibility of the Contractor. The Contractor shall be solely responsible for keeping the entire camp area and well site neat, clean and hygienic. iii) A separate area is to be demarcated for placement of above living bunk houses at campsite for Company's personnel. The area is to be properly levelled with suitable drainage system, fenced (with XPM / barbed wire fencing) and well protected. **15) SAFETY EQUIPMENT / SERVICES: (Please refer to HSE specification)** **16) MAINTENANCE OF COMPANY'S EQUIPMENT** i) In case of any non-conformity in the connections/sizes between various equipment and tools to be provided by the Contractor, which depart from the generally adopted procedure followed for a particular equipment / tool of the rig package, the company reserves the right to ask the contractor to provide all necessary accessories to use such items without any obligations on the part of the company. This clause shall not however, be unduly exercised without consultation/ agreement with the Contractor. ii) The Contractor shall erect, commission, dismantle the cementing field silos along with platform with sets of hopper, bucket tank & fitting which shall be handed over to the contractor at the first well for cementation. The contractor shall draw or tap required air supply from the auxiliary lines from the contractor's rig compressor for its operation. After completion of the well the same should be transferred to the next forward location by the contractor as part of the rig package. iii) Loading of Barites shall have to be carried out by the Contractor. iv) The Contractor shall provide one no. chemical godown with floor space of approx. 660 Sq.ft. of appropriate dimensions for storing of chemicals, LCM etc. v) The Contractor should ensure that AVIATION WARNING LIGHTS on the crown of the mast should be provided as per Aviation Standards.			

vi) Contractor shall assemble, dismantle, move all OIL's designated items- if any attached with the rig without any obligation to OIL.

Q. END OF WELL REPORT

After completion of each well an end of well report to be submitted in three copies and one soft copy. Sample of the format shall be provided by OIL within 15 days after issue of ILM notice as approved format of OIL **(Details are in SCC 14.3 (ix).**

A penalty of 0.5 % of day rate per week will be levied if not submitted within the stipulated time.

R. PERSONNEL TO BE DEPLOYED

1) The Contractor will have to deploy adequate manpower to carry out the required operations. The deployment pattern will be as per the contractor's discretion for all the required services except for the rig operations during drilling & completion phases for which the deployment pattern per day (12 hours shift, day & night and ON-OFF roster) has to be as per the following norm with the indicated key personnel & other personnel:

Sl. No.	Personnel & Designation	Total Per day	Day shift	Night Shift	Off	Allocated per rig	Category
A	**Key Personnel**						
1	Area Manager/Rig Superintendent / Rig Manager	1	On call 24 Hrs			2	N/A
2	Mechanical Engineer	1	On call 24 Hrs			2	N/A
3	Electrical Engineer/ Chief Electrician	1	On call 24 Hrs			2	N/A
4	HSE Officer	1	On call 24 Hrs			2	N/A
5	Tool Pusher	1	1		1	2	N/A
6	Tour Pusher / Night Tool Pusher	1		1	1	2	N/A
7	Driller	2	1	1	2	4	N/A
8	Mud Engineer	2	1	1	2	4	N/A

	9	Assistant Driller	2	1	1	2	4	Highly Skilled		
	10	Mechanic	2	1	1	2	4	Skilled		
	11	Rig Electrician	2	1	1	2	4	Skilled		
	12	Asstt. Electrician	2	1	1	2	4	Semi-Skilled		
	13	Derrick Man / Top man	4	2	2	4	8	Skilled		
	14	Floor Man	8	4	4	8	16	Semi-Skilled		
	Sub Total						**60**			
	B	**Other Personnel**								
	1	Roustabout	8	4	4	8	16	Un-skilled		
	2	Gas logger cum sample washer	2	1	1	2	4	Semi-Skilled		
	3	Welder	1	On call 24 Hrs		1	2	Skilled		
	4	Heavy Crane Operator	2	1	1	2	4	Highly Skilled		
	5	Medico	1	On call 24 hours		1	2			
	Sub Total						**28**			
	10	Waste Management Services (C)	**As per Annexure: Waste Management Services**				**18**			
	11	Catering Personnel & Multipurpose Attendant	As required							
	Grand Total including ON & OFF						**106**			

2) The Rig Manager/Rig Superintendent/Area Manager has to be present at site all the times and should report to Drilling Dept.'s office as and when asked for to receive instruction/resolving any issue on contractual obligation.

3) **KEY PERSONNEL:** The qualification, experience and job details of the key personnel are to be as per **Annexure: HR Deployment**

4) On top of the experience of the personnel, they all should be conversant with BOP drill as per standard oilfield practice.

5) In addition to the above personnel, following additional personnel are to be made available compulsorily throughout the contract period under Catering Personnel & Multipurpose Attendant like; First Aid Trained personnel, Camp Boss, Cook, Kitchen Helper/Caterer, Laundry attendants, Camp Cleaner, Field administrator etc.

Notes to personnel to be deployed:

a) An undertaking from all the personnel as per **Annexure-IV** should be forwarded after deployment of manpower prior to mobilization.

b) The personnel deployed by the contractor should comply with all the safety norms applicable during operation.

c) **Medical Fitness**:

i) The Contractor shall unsure that all of the Contractor Personnel shall have had a full medical examination prior to commencement of the Drilling operation.

ii) A qualified and registered doctor shall conduct all such medical examinations in accordance with accepted medical standards.

d) Training Courses:

i) The Contractor shall ensure that all of the Contractor Personnel performing services hereunder shall have attended all safety and operational training courses such as mines vocational training etc. required by applicable law and as is generally consistent with international petroleum industry practice and/or as otherwise required by the Company.

ii) The Contractor shall, if requested, forthwith produce valid and current certificates of completion or attendance for the Company's inspection.

	e) Personnel should be well verged in firefighting, BOP control, gas testing and MVT as applicable. The appropriate certificates to this effect, issued by ONGCL/OIL or any other organization, also should be submitted during mobilization. (In case, the above training course for contractor's personnel is to be arranged by OIL, the contractor will be charged accordingly). f) Area Manager will operate in well site only. He shall operate from places other than well site on specific permission of OIL. g) Adequate number of experience personnel to run the camp / kitchen / Mess smoothly should be kept. One camp boss on 24 Hrs. basis will be responsible for smooth running of the camp/mess. Kitchen and cooking shall be supervised by a qualified chef. h) Contractor should deploy other personnel at rig site, which shall include drivers, Rig fitters, carpenters, warehouse personnel, security men (both at well site and camp site), power casing tong operator, services of unskilled labour as and when required for following multiple jobs: i) Chemical Helper. ii) Engineering helper (Additional). iii) Electrical helper (Additional). The entire skilled / semi-skilled workman involved in carrying out electrical jobs should have valid electrical wireman permit issued by state licensing board. iv) Persons on rack during casing job. i) Bidder shall furnish biodata of key personnel with all supporting documents, certificates etc. prior to deployment for verification / approval by OIL. j) Employment of personnel other than key personnel & other personnel as specified in Clause No. 7.6.1 (A) & (B) of this section shall be at the discretion of the contractor in line with normal drilling practices. Bidders shall forward a complete list of all the persons with their job descriptions that they shall deploy to run all operations at well site and camp successfully. k) On/off duty details of rig and associated service personnel should be indicated. l) The Contractor shall indicate their manpower category-wise clearly in their offer. The qualification/biodata / experience / track record of the personnel proposed to be deployed shall have to be indicated clearly. Any additional manpower deployed by the contractor shall be at the expense of the Contractor. The age of key personnel except Rig Manager/Rig Superintendent should not be more than 50 (fifty) years.			

	However, OIL reserves the right to accept the personnel of above 50 years with good health conditions. m) The contractor shall be responsible for arranging relief of personnel during vacation, statutory off days, sickness etc. entirely at their cost. However, the relief personnel also must have the experience as indicated above. Moreover, the contractor will have to obtain prior approval from Company for the relief personnel of the contractor. n) Company reserves the right to instruct for removal of any Contractor's personnel who in the opinion of company is technically not competent or not rendering the services faithfully, or due to other reasons. The replacement of such personnel will also be fully at cost of the Contractor and the Contractor shall have to replace within Ten (10) days of such instruction. o) All charges for personnel are included in Day rates. No. separate charges shall be payable for the personnel deployed. p) Contractor should employ adequate number of authorized supervisors as per regulation 115 of CEA (Measures relating to safety and electric supply) Regulations, 2010 having relevant experience and possessing appropriate license(s). q) Contractor shall be wholly responsible for complete Security of their personnel, their Rig Packages, Base camp and during ILM, operation, transit etc. and arrange suitable and comprehensive **security services** accordingly on round the clock basis for their personnel and equipment/ material at all drilling sites. All security related issues shall be dealt by the Contractor on their own including dealings with the Government agencies. The Contractor shall provide prefabricated XPM/ Panel re-usable type fencing, gate at drill site, camp site etc. Company in no case will be involved in security related issues relating to Contractor's personnel and equipment/ material. Contractor shall also be responsible for safety and security of Company's personnel, equipment/ material etc. in the well-site and camp site. **S. DETAILS OF JOBS BUT NOT LIMITED TO ARE AS FOLLOWS:** **1.** Drilling of holes of various sizes ranging. **2.** Mixing & conditioning of mud (iii) Reaming/hole probing, hole opening and conditioning. (iv) Running in of various sizes of casings and their cementation. **3.** Casing retrieving **4.** Round Tripping with drilling equipment and tools.			

	5. Assembling and dis-assembling of BOP, well head items, riser, flow branch, etc. **6.** Circulating and conditioning mud. **7.** Testing of wellhead hook up at various stages of drilling. **8.** Drill stem testing and any other special operation. **9.** Drilling deviated hole as per instruction of deviation engineer of the Company. Fishing operations including but not limited to working on stuck pipe and backing off drill pipes/casing string. **10.** Operations with casing scrappers, packers and production tools, tubing etc, as and when necessary. Cutting or slipping casing line at intervals as per normal policy. **11.** Operate BOP and choke manifold etc. for controlling the well during well kick and kill the well satisfactorily. Carry out various drills as per policy.——Rigging up production equipment swabbing, tripping of production string, etc. Coring by using various sizes and types of coring bits and core barrels. **12.** Picking & making up, breaking and laying down of any tubular viz. drill pipe, HWDP, drill collars, tubing, reamers, stabilizers, bits, etc. **13.** Changing bit and other drilling tools **14.** (Drilling/cleaning out cement, collar, shoe, cement/bridge plug etc. **15.** Power tong operation for all sizes casing running in **16.** Production testing of well as per the Company's requirement. **17.** Well killing & controlling operations. **18.** Any other operating pertaining to oilfield operation including but not limited to isolation repair, casing patch, milling, hermetical testing etc., but not mentioned in this Contract, will have to be carried out by the Contractor as per the advice of the Company.			
	Annexure: HR Deployment **KEY PERSONNEL** (ii) The key personnel are driving elements of the rig, should be of sound health and shall possess the entire requirement described under the contract. (iii) In case the contract is awarded based on the bid submitted on (Parent /Subsidiary/Sister-Subsidiary/Co-Subsidiary /Joint Venture			

	Constituents, as applicable), to meet the commitment from the supporting company, **all key personnel including the rank of Driller and above** shall be from the pay roll of the supporting company for the full duration of the project with a confirmation. (iv) The job specification, qualification and experience of the key personnel are to be as indicated in the **Annexure: HR Deployment but** not limited			
	Annexure: Waste Management Services **2.0 SCOPE OF WORK** In case the bidder does not have the waste management services of their own, they can have pre-tender tie-up with other service providers/Third Party. However, the bidder should execute a notarized MOU/ Agreement valid for entire duration of the contract including extension, if any and should be furnished along with the Technical Bid clearly referring to OIL's tender document number & indicating the scope of work for technical partner of the bidder. Notwithstanding the MOU, bidder shall clearly undertake the single point responsibility of completing the project as offered by the bidder. **DOCUMENTARY EVIDENCE** Bidder or Third Party should have experience of providing the Vertical cuttings dryer as well as well as recycle package and must furnish documentary evidence in support of establishing the same with relevant Contract/Agreement copy along with additional documentary evidence as stated below: a. Documents such as satisfactory completion certificate **OR** Performance report issued by the client(s) clearly mentioning Contract/Agreement No. or with any other documents that can substantiate completion of the executed job in case completed contract. **OR** b. Documents such as mobilization completion notice, LOA, Daily Progress Report/ service ticket in case of running contract.			

ANNEXURE: RESPONSIBILITY MATRIX FOR EACH DRILLING RIG SERVICES

RESPONSIBILITY MATRIX FOR EACH DRILLING RIG SERVICES

The equipment machinery, tools, materials supplies, instruments, services and labour, including but not limited to those listed at the following terms shall be provided at the location by the COMPANY or the CONTRACTOR and the expenses of COMPANY or CONTRACTOR as designated hereunder by 'X' mark in the appropriate column.

'C' – Contractor 'O' – OIL/Company

Sl. No.	ITEM	At Expense of		Supplied by	
		C	O	C	O
A. GENERAL-I					
1	All charges relative to acquisition, shipping and transportation of all Contractor's Items required as replacements or spare parts,	X		X	
2	Contractor's personnel including replacement, subsistence, insurance, wages, benefits, and all other costs related thereto.	X		X	
3	Extra personnel in excess of the complement of personnel set forth in Section II – Contractor's Personnel deputed by Contractor itself.	X		X	
4	Required licenses, permits, certificates of financial responsibility and clearances to enter and depart from drilling location	X		X	
5	Transportation for Contractor's Items and its subcontractor's item and personnel.	X		X	
6	Duties, fees, licenses, pilotage fees, wharf age fees, harbour fees and costs or similar charges including any sales taxes or clearing agent or brokerage fees relating to Contractor's Items and replacements or spare parts.	X		X	
7	Insurance as provided in the Contract.	X		X	
8	Passports and visas for Contractor's Personnel	X		X	
9	Work permits for Contractor's Personnel.	X		X	
10	Labour license and all regulatory requirements as per DGMS, Labour Law for Contractor's personnel.	X		X	
11	Maintain all necessary consents, permits, licenses and certificates required for movement and use of Contractor's Equipment to/from Site including diesel storage	X		X	
12	Corporate registration, documentation and fees for Contractor in India required solely for the performance of this Contract	X		X	
13	Clearance of Contractor's Equipment through Indian Customs (EC to be provided by Operator)	X		X	
B. GENERAL-II					
1	Base / Well site camp complete in all respects.	X		X	
2	Accommodation and food for all of Contractor's personnel and up to 25 nos. Company and Company's third party personnel per day.	X		X	
3	Accommodation and food for Company's personnel and Company's third party personnel in excess of 25 nos. per day.		X	X	

Sl. No.	ITEM	At Expense of		Supplied by	
		C	O	C	O
4	Potable water for rig site and camp site.	X		X	
5	Loading and offloading Company's and Company's third party's equipment and materials at rig site	X		X	
6	Transportation of Company's equipment and materials during inter-location moves.	X		X	
7	Supply of additional labour for cleaning pits, cuttings and other related work	X		X	
8	All safety equipment and gears as per Contract	X		X	
9	Necessary IT equipment.	X		X	
10	Electricity and air supply to Company and Company's third party's Equipment	X		X	
11	All housekeeping services and supplies	X		X	
12	First aid medical attention by a qualified medic for all personnel.	X		X	
13	Emergency medical treatment for Contractor's, Company's and Company's third party's Personnel at site only	X		X	
14	Ambulance with all necessary medical facilities	X		X	
15	Communication system capable of transmitting online data.	X		X	
16	Security arrangement / facility at rig and campsite.	X		X	
17	Welding for Company's third party's work within a reasonable request. (Note: Welding for Company's third party's work beyond a reasonable request shall be mutually agreed between both the Parties)	X		X	
C. RIG & EQUIPMENT-I					
1	Complete Drilling Rig Package with ETP	X		X	
2	BOP Handling System	X		X	
3	BOP, Spools, flanges, its attachments & spares	X		X	
4	BOP testing equipment and accessories	X		X	
5	Choke & kill unit & connections	X		X	
6	Diverter system	X		X	
7	Kill pump, tank, lines and attachments	X		X	
8	All Solid control equipment	X		X	
9	Degasser, Poor Boy Degasser (Mud Gas Separator)	X		X	
10	BOP Control Unit and accessories	X		X	
11	All Drill pipes, drill collars, HWDPs.	X		X	
12	Lifting subs	X		X	
13	All sizes & capacities of elevators, slips, tongs, safety clamps for handling drilling & tubing string.	X		X	
14	All sizes & capacities of elevators, slips, tongs (manual & hydraulic), for handling casing & Liner string including spider slip & elevator	X		X	
15	Kelly (s)	X		X	
16	Rotary substitutes of all sizes	X		X	
17	Stabilizers & Hole openers	X		X	
18	All Fishing tools & their spares	X		X	
19	Kelly spinner	X		X	
20	Drill pipe spinner	X		X	
21	Elevator links	X		X	

Sl. No.	ITEM	At Expense of		Supplied by	
		C	O	C	O
22	Bit breaker, casing thread protector, nozzle gauge, stabilizer gauge & bit gauge	X		X	
23	Air winch (s)	X		X	
24	Drilling jars, safety joints and all fishing tools such Overshots, spear, RCJB, Junk subs, fishing magnets, impression blocks, junk mills, ditch magnet, etc. with spares / consumables / replacement parts.	X		X	
25	Casing scrappers / retroverts	X		X	
26	Circulating heads & FOSV	X		X	
27	Poor boy swivel	X		X	
28	Mud basket	X		X	
29	Back pressure valves	X		X	
30	Risers	X		X	
31	Complete set of tools & wrenches	X		X	
32	Flow nipple & flow branch	X		X	
33	Gauging water pump	X		X	
34	All kind of mud agitators & mud guns	X		X	
35	Online gas monitoring system & portable gas detector	X		X	
36	Cabin for mud attendant.	X		X	
37	Emergency electricity generator at well site & camp	X		X	
38a	Advanced Instrumentation System	X		X	
38b	Rig Intercom System	X		X	
39	Firefighting & safety equipment	X		X	
40	Shut in valves	X		X	
41	Welding & Cutting set	X		X	
42	Cellar Pump	X		X	
43	Rig compressor (including auxiliary)	X		X	
44	Mud making/loading facilities at drill site complete with reciprocating pumps, prime movers, hoppers, tankages etc.	X		X	
45	Mud & water system inclusive of active, intermediate & storage tanks	X		X	
46	Supplying water at drilling site	X		X	
47	Equipment required for generating electricity at the rig site, camp, etc.	X		X	
48	Rig lighting	X		X	
49	All required Lines / Chiksans / Fittings, etc.	X		X	
50	Crane and forklifts	X		X	
51	Any additional crane & forklift required during rig move, rig up & rig down.	X		X	
52	Required wire lines & ropes	X		X	
53	Office for Company's personnel at well site complete in all respects	X		X	
54	Bug Blower	X		X	
55	Kelly cocks, upper & lower	X		X	
56	Float valves for bit subs	X		X	
57	Inside BOPs	X		X	
58	Cup tester	X		X	
59	Effluent Treatment Plant with accessories	X		X	
60	Top Drive System with accessories	X		X	

Sl. No.	ITEM	At Expense of		Supplied by	
		C	O	C	O
61	Equipment not specified but required for Contractor's normal operations	X		X	
D. RIG & EQUIPMENT-II					
1	Inspection of Contractor's tubular & handling equipment / tools and other in-hole equipment as specified in Section III, before operations commence under this Contract.	X		X	
2	Inspection of Contractor's tubular & handling equipment / tools and other in-hole equipment as specified in Section III, during operations at reasonable intervals requested by the Company.	X		X	
3	Repair and/or replacement parts for Contractor furnished fishing tools.	X		X	
4	Replacement of elements / parts for Contractor's Diverter System and BOPs	X		X	
5	Mud pump liners	X		X	
6	Removal and disposal of camp site waste	X		X	
E. CONSUMABLES					
1	All required Oil, grease, lube, cleaning solvent, hydraulic fluid and accumulator charging gases for Contractor's equipment	X		X	
2	Drill water for drilling, rig cleaning & cementing.	X		X	
3	Drill pipe protectors (one per thribble inside casing).	X		X	
4	Kelly saver-sub rubber protectors	X		X	
5	Drill pipes & tubing rubber wipers	X		X	
6	All required Spares for solid control equipment.	X		X	
7	Air, water, electricity, fuel (HSD) and other POL for the rig site and camp site	X		X	
8	Casing thread lubricant & thread locking compound		X		X
9	Thread Dope/Thread lubricant for all contractor tubular and tubings.	X		X	
10	Required rope, cotton waste, hand tools and general drilling rig consumables	X		X	
11	Stabilizer sleeves	X		X	
12	Welding & cutting consumables	X		X	
13	All BOP consumables including ring joint gaskets	X		X	
14	Consumables not described but needed for normal drilling operations and maintenance of Contractor's Equipment	X		X	
15	Spares for drilling unit & accessories.	X		X	
16	Replacement of electrical fittings as & when necessary.	X		X	
17	Spares & consumables for communication equipment	X		X	
18	Replacement, spares & consumables for fire-fighting equipment	X		X	
19	Maintaining adequate stock of consumables.	X		X	
20	Consumables for computers. Software should be upgraded as and when required.	X		X	
21	Replacement of tool equipment services as & when necessary	X		X	
22	First-aid & medicine	X		X	

Sl. No.	ITEM	At Expense of		Supplied by	
		C	O	C	O
23	Materials required for hygienic atmosphere at well site & camp site	X		X	
24	Materials required for control of pollution.	X		X	
25	Consumables not indicated but required by Contractor in normal operation or needed for the maintenance of Contractor's equipment.	X		X	
F. OTHER SERVICES & PERSONNEL					
1	Site preparation		X		X
2	Furnish adequate roadway to location and the right of way		X		X
3	Mud Engineering Services (if engaged) including supply of complete line of chemicals.		X		X
4	Effluent management	X		X	
5	Directional / Vertical Drilling Services		X		X
6	Cementing Services including supply of cement & complete line of chemicals/ additives.		X		X
7	Coring Services including supply of core barrels. Core heads with all accessories and handling tools.		X		X
8	Mud Logging Services		X		X
9	Handling (running in / pulling out) of Casing & Tubing	X		X	
10	Wireline Logging & TCP Services.		X		X
11	Liner Hanger Services including supply of handling/ setting tools and liner hanger accessories		X		X
12	Drill Stem Testing & Surface Production Testing Services		X		X
13	Casing Torque & Turn Services		X		X
14	Procurement and supply of drill Bits		X		X
15	Procurement and supply of casings, liners and tubing		X		X
16	Procurement and supply of well heads		X		X
17	Casing handling, servicing, drifting, measuring, thread cleaning		X		X
18	Centralizer installation on the Drilling Unit	X		X	
19	Transportation of entire drilling unit with accessories between locations (inter-location move)	X		X	
20	Inter-location movement of company's equipment attached with the rig.	X		X	
20	Transportation of contractor personnel	X		X	
21	Collection of bits, light consumables and transportation of same including handling at well site.	X		X	
22	Communication service	X		X	
23	Medical facilities at well site & camp site	X		X	
24	Well head hookup	X		X	
25	Handling of all Company equipment at the drilling locations	X		X	
26	BOP testing services	X		X	
27	Maintenance of Contractor's equipment.	X		X	

Sl. No.	ITEM	At Expense of		Supplied by	
		C	O	C	O
28	Well killing services	X		X	
29	Effluent water disposal	X		X	
30	Pollution control services	X		X	
31	Computation and record keeping services	X		X	
32	Degassing services	X		X	
33	Catering services	X		X	
34	Medical Services	X		X	
35	Ambulance services	X		X	
36	Firefighting services	X		X	
37	Services of Personnel	X		X	
38	Services not specified above but required by Contractor in normal operations or needed to maintain & operate Contractor's equipment.	X		X	
39	Services not indicated but required due to directions of the Company		X	X	X

ANNEXURE: ELECTRICAL CHECK-LIST

ELECTRICAL CHECK-LIST			
Sl. No.	**Details**	**Bidder's Remarks (Complied/ Not-Complied)**	**Reference document**
1	Offered Rig is AC-SCR or AC-VFD?		
2	Offered rig have Top Drive System.		
3	**The bidder has submitted the following drawings along with the bid:**		
a	Rig layout diagram, showing all major electrical equipment.		
b	Electrical single line diagram.		
c	Earthing layout diagram for the rig.		
4	Power Control Rooms (PCRs) (DCPCR/ ACPCR/ VFD PCR/ Top Drive PCR) are placed outside 30metre radius from well Centre.		
5	All other electrical equipment/ component/ accessories not suitable for use in hazardous area shall be placed outside 30metres radius from the well Centre.		
6	Neutral Grounding Resistor (NGR) system is used for 415V system (Ref: CEA (Measures relating to Safety and Electric Supply) Regulations, 2010).		
7	**Draw Works Motor Details**		
a	Draw Works motors are DC or AC-VFD?		
b	Draw Woks motor Make & model		
c	Draw Woks motor Voltage (in V) and Power rating (in HP)		
d	Number of Draw Works motor		
8	**Slush Pump Motor Details**		
a	Slush Pump motors are DC or AC-VFD?		
b	Slush Pump motor Make & model		

c	Slush Pump motor Voltage (in V) and Power rating (in HP)		
d	Number of Slush Pump motor per slush pump.		
e	Total number of Slush Pump motor		
9	**Rotary Drive Motor Details**		
a	Whether Separate motor is used for Rotary Drive		
b	Rotary Drive motor Make & model		
c	Rotary Drive motor Voltage (in V) and Power rating (in HP)		
10	**Top Drive Motor Details**		
a	Top Drive motor Make & model		
b	Top Drive motor Voltage (in V) and Power rating (in HP)		
c	Number of Top Drive motor		
11	**Details of lighting system for hazardous areas**		
a	Hazardous area lighting (230V Ph-Ph) is done from lighting transformer.		
b	Capacity of lighting transformer.		
c	Voltage ratio of lighting transformer.		
d	Double Pole RCBO of leakage sensitivity 30mA used for lighting circuit (230V Ph-Ph).		
12	**Details of alternators used with the Power Packs**		
a	Make and model of offered Alternators.		
b	Number of power packs & alternators offered.		
c	Alternator electrical ratings (kVA, V, A, Hz etc.)		
13	**Power Control Room details**		
a	Number of PCRs offered		
b	Number of panels for Generator control		
c	Number of panels for Slush pump motor control		

d	Number of panels for Draw Works motor control		
e	Number of panel for Rotary Drive motor control		
f	Number of panel for Top Drive motor control		
g	Details of SCR / VFD system (Make / model / etc.)		
h	All the outgoing feeders for motors, lighting etc. have Earth Leakage Protective Device (Ref: CEA (Measures relating to Safety and Electric Supply) Regulations, 2010).		
i	Leakage sensitivity of the Earth Leakage Protective Device mentioned in Point No. 13(h) is 30/100mA.		
14	Driller's Console is purged with positive pressure. If not, all electrical components/ accessories/ equipment used with Driller's Console are Ex Certified for use in hazardous area.		
15	Emergency shut down switch available on the Driller's Console.		
16	Rig have sufficient cable length to drill 3+1 cluster drilling location (if required).		
17	**Details of aviation warning lights offered**		
a	Number of day light aviation warning light, white color, flasher type		
b	Number of Red color aviation warning light, flasher type		
18	Lightening Arrestor along with appropriate cable is fitted on the rig mast.		
19	All light fittings used inside 30metres radius from the well Centre are Ex- certified.		
20	All electrical items used in BOP control unit are suitable for hazardous areas (Zone 1/ Zone2 or Gas group IIA/IIB).		
21	Bidder shall explicitly deal with all electrical overhead lines to be encountered during Inter-Location movement (ILM) including the OH lines encountered during initial deployment of the rig at designated site.		
22	Bidder confirms that test reports/ certificates confirming to IS/IEC/EN: 60079 for all the electrical equipment/ components/ accessories		

	which are to be used in hazardous area [Zone 1 or Zone 2, Gas groups IIA and IIB] of the drilling well from an Indian Government Laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body, which is not a part of manufacturer's facility will be submitted prior to mobilization.		
23	Bidder agrees to make rig available for inspection/audit by any statutory authority, and also agrees for compliance of any instructions / observations arising there-from.		

ANNEXURE- TRAINING & CERTIFICATION OBLIGATION

The Contractor shall, at its own cost, ensure that all personnel are trained and certified for their respective roles prior to mobilisation, and that such certifications remain valid for the entire contract duration viz. but not limited to:

Sl. No.	Personnel & Designation	Category	Mandatory/Statutory Training/Certificate	Essential Training/Certificate	Relevant Standard
A	**Key Personnel**				
1	Area Manager / Rig Superintendent / Rig Manager	N/A	IWCF Level 4)/ IADC Well Cap/Sharp (Supervisor)		OISD-174
2	Tool Pusher	N/A	IWCF Level 4)/ IADC Well Cap/Sharp (Supervisor)		OISD-174
3	Tour Pusher / Night Tool Pusher	N/A	IWCF Level 4)/ IADC Well Cap/Sharp (Supervisor)		OISD-174
4	Driller	N/A	IWCF- Level 3)/ IADC Well Sharp (Driller)		OISD-174
5	Mechanical Engineer	N/A		Couse Code: 101 (new entrant) & 102 (experienced personnel)	OISD STD 176,
6	Electrical Engineer	N/A	Electrical Supervisor's Certificate	Couse Code: 101 (new entrant) & 102 (experienced personnel)	OISD STD 176
7	HSE Officer	N/A	MVT, Fire Fighting, FA.	Couse Code: 501, 502, 505, 506 & 509	OISD STD 176
8	Mud Engineer	N/A	MVT.	Couse Code: 101 (new entrant) & 102 (experienced personnel)	OISD STD 176
9	Assistant Driller	Highly Skilled	MVT, FA, FF AND IWCF- Level 3)/ IADC Well Sharp (Driller),	Advanced Fire Fighting.	OISD-174
10	Mechanic (i/c)	Skilled	MVT, Fire Fighting, FA,	Advanced Fire Fighting. Couse Code: 103 (for new entrant) & 104 (for experienced personnel).	OISD STD 176,
11	Mechanic (Fitter)	Skilled	MVT, Fire Fighting, FA,	Advanced Fire Fighting. Couse Code: 103 (new entrant) & 104 (experienced personnel)	OISD STD 176,
12	Rig Electrician	Skilled	Electrical Work Permit, FA, MVT.	Advanced Fire Fighting.	OISD STD 176,

Sl. No.	Personnel & Designation	Category	Mandatory/Statutory Training/Certificate	Essential Training/Certificate	Relevant Standard
				Couse Code: 103 (new entrant) & 104 (experienced personnel)	
13	Asstt. Electrician	Skilled	Electrical Work Permit, FA, MVT.	Advanced Fire Fighting. Couse Code: 103 (new entrant) & 104 (experienced personnel)	OISD STD 176,
14	Derrick Man / Top man	12 hours	MVT, Fire Fighting, FA,	Advanced Fir Fighting. Couse Code: 103, 104, 105 & 109	OISD STD 176,
15	Floor Man	Semi-Skilled	MVT, Fire Fighting, FA.	Advanced Fir Fighting. Couse Code: 106	OISD STD 176
B	**Other Personnel**				
1	Roust About	Un-Skilled	MVT, Fire Fighting, FA.	Advanced Fir Fighting. Couse Code: 106	OISD STD 176
3	Gas logger cum sample washer	Semi-Skilled	MVT, Fire Fighting, FA.	Advanced Fir Fighting. Couse Code: 106	OISD STD 176
5	Welder	Skilled	MVT, Fire Fighting, FA.	Advanced Fir Fighting. Couse Code: 103, 104 & 105	OISD 176
7	Heavy Crane Operator	Highly Skilled	MVT, Operation & Maintenance of mobile & locomotive cranes certified as ASME B 30.5 (For Crane Operators).	Advanced Fir Fighting. OISD STD 176, Point Sl. No. 6.0 i) b.	OISD 176
9	Effluent Treatment Plant (ETP) Operator	Skilled	MVT, Fire Fighting, FA.	Advanced Fir Fighting. Couse Code: 103, 104 & 105	OISD 176
11	Laboratory Assistant for ETP	Semi-Skilled	MVT, Fire Fighting, FA.	Advanced Fir Fighting. Couse Code: 106	OISD 176
12	Medico	N/A	FA & MVT.	Advanced Fir Fighting. Couse Code: 501	OISD 176

Notes:

(1) MVT, FA (First Aid) & Fire Fighting (FF) trainings are mandatory for all personnel from Asst. Driller and below (Except for Crane Operator & Medico).

(2) Each crew should consist of at-least 2 (two) personnel with having valid Advanced Fire Fighting training certificate.

(3) Records, Audit & Verification

(i) The Contractor shall maintain individual training matrices, copies of valid certificates, attendance, and drill records; produce on demand.

(ii) Owner reserves the right to audit training records at any time; non-conformities shall be closed within defined timelines.

(4) Bidder to give an undertaking that they shall comply with all the relevant provisions of OISD guidelines, DGMS, OMR, MOEF guidelines, CPCB/SPCB Guidelines and Safety conferences on Health, Safety and mandatory training like

MVT, well control/intervention/ well cap including filing of requisite returns to regulatory authorities'.

ANNEXURE-IDENTIFIED KEY PERSONNEL

Reference Clause no. 3.1.3. E. c. of BEC, following is the list of identified key personnel which are to be deployed by the bidder from their supporting company/JV Partner for the entire duration of the contract:

Sl. No.	**Personnel and Designation**	**Requirement per rig (in numbers)**	
1	Area Manager/Rig Superintendent / Rig Manager	**On Duty**	**Off duty**
		01	01

Bidder must confirm in their technical bid to deploy the above personnel from their supporting company for the entire duration of the contract, in case of award.

EXHIBIT–I

UNDERTAKING TOWARDS COMPLIANCE OF PROVISIONS FOR RESTRICTIONS ON PROCUREMENT FROMA BIDDER OF A COUNTRY WHICH SHARES LAND BORDER WITH INDIA

We, M/s _____ , have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; we certify that we are not from such a country/or if from such a country, have been registered with the Competent Authority. We hereby certify that we fulfil all requirements in this regard and is eligible to be considered. *[wherever applicable, evidence of valid registration by the Competent Authority shall be attached]*

Yours faithfully,

For (type name of the firm here)

Signature of Authorised Signatory

Name:

Designation:

Phone No.

Place:

Date:

(Affix Seal of the Organization here, if applicable)

EXHIBIT–II

UNDERTAKING FOR WORKS INVOLVING POSSIBILITY OF SUB-CONTRACTING

We, M/s _____ , have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such-countries, we certify that we are not from such a country/or if from such a country, have been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. We hereby certify that we fulfil all requirements in this regard and is eligible to be considered. *[wherever applicable, evidence of valid registration by the Competent Authority shall be attached]*

Yours faithfully,

For (type name of the firm here)

Signature of Authorized Signatory

Name:

Designation:

Phone No.

Place:

Date:

(Affix Seal of the Organization here, if applicable)

EXHIBIT–III

ADDITIONAL UNDERTAKING BY BIDDER IN CASES OF SPECIFIED TRANSFER OF TECHNOLOGY(ToT)

We, M/s _____ , have read the clause regarding restrictions on procurement from a bidder having Transfer of Technology (ToT) arrangement. We certify that we do not have any ToT arrangement requiring registration with the competent authority.

OR

We, M/s _____ , have read the clause regarding restrictions on procurement from a bidder having Transfer of Technology (ToT) arrangement. We certify that we have valid registration to participate in this procurement. *[Evidence of valid registration by the Competent Authority shall be attached]*

Yours faithfully,

For (type name of the firm here)

Signature of Authorised Signatory

Name:

Designation:

Phone No.

Place:

Date:

(Affix Seal of the Organization here, if applicable)

APPENDIX-1

DECLARATION ABOUT BIDDER'S FINANCIAL STANDING

(On Bidder's Letter Head)

To,
CGM-CONTRACTS
OIL INDIA LIMITED
DULIAJAN - 786602

Sub: Undertaking/Declaration regarding financial standing.

Ref: BEC clause no. 5.16 against **Tender no. CDG1754P27 for Charter hire of 01 no. of 3000 HP rig package in Assam and Arunachal Pradesh**

We, _____ (name of bidder), hereby confirm that:

(1) We are neither bankrupt nor undergoing any insolvency resolution process or liquidation or bankruptcy proceeding under any law.

(OR)

(2) No insolvency resolution process or liquidation or bankruptcy proceeding is initiated under any law against us.

Place: _____

Date: _____

_____
(Name & Signature of the authorised signatory of the bidder)

APPENDIX-2

DECLARATION THAT BIDDER IS NOT UNDER HOLIDAY LIST/DELISTED/BLACKLISTED/DEBARRED

To,
M/s. OIL INDIA LIMITED

Tender No.: CDG1754P27 for Charter Hire of 01 no. of 3000 HP rig in Assam and Arunachal Pradesh

Sub: Undertaking/Declaration regarding Holiday List, debarment etc.

Ref: Tender No. _____

a) We, __ (Name of the bidder) solemnly affirm that we have read and understood OIL's Banning Policy as available at OIL's website https://www.oil-india.com/banning-policy and accept the Banning Policy in toto without any demur, protest, reservations and agree to be bound by the said Policy.

b) We, hereby declare that neither our company nor any of its allied concerns, partners or associates or directors or proprietors involved in any capacity, are currently put on holiday list/banning list by OIL debarring us/them from carrying on business dealings with OIL.

c) We, also hereby declare that neither our company nor any of its allied concerns, partners or associates or directors or proprietors involved in any capacity, have not been involved in any previous transgressions in the last 3 years with any other company in any country conforming to the TI (Transparency International) approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.

d) We, disclose the following allied concerns, partners or associates or directors or proprietors involved in any capacity in terms of the definition of Allied firms given in the "Banning Policy" of Oil India Limited:

Sl. No.	Name	Address	PAN No.	GST No.	OIL Vendor Code

Place: _____
Date: _____

_____
(Name & Signature of the authorised signatory of the bidder)

PROFORMA-XY

Format for undertaking by Foreign Bidders towards taking payment against Expenses in India (To be typed on the letter head of the bidder)

Ref. No_____ Date _____

Sub: Undertaking for taking payment against Expenses in India against tender no. CDG1754P27

CGM-Contracts (HoD)

Contracts Department,

OIL, Duliajan

Sir,

With reference to our quotation against Tender no. **CDG1754P27**, we hereby confirm that we have gone through the Tender document in toto and quoted Expenses to be incurred in India in percentage (%) against each line item (wherever applicable) of the Price Bid Format **(Proforma-B).** We have quoted after proper due diligence and take full responsibility for the same. We agree to the condition that during payment (if successful), the "Expenses in India" component of the price shall be converted to INR (if quoted price is other than INR) considering the conversion rate as per Clause No. 21.0 of ITB. If any Expense is incurred in India over and above the aforesaid percentage (%), then we will inform Oil India Limited in due course of time and same will also be considered while calculating "Expenses in India" component.

Yours faithfully,

For (type name of the firm here)

Signature of Authorized Signatory

Name :

Designation :

Phone No.

Place :

Date :

(Affix Seal of the Organization here, if applicable

PROFORMA-BS

PROFORMA OF "INSURANCE SURETY BOND" FOR "BID SECURITY"

(To be stamped in accordance with the Stamp Act)

To **M/s OIL INDIA LIMITED,** **CONTRACTS DEPARTMENT,** **DULIAJAN, ASSAM, INDIA,** **PIN-786602**	**Insurance Surety Bond (ISB) No.**	
	Date of ISB	
	ISB Valid up to (Expiry date)	
	Claim period up to (indicate date of expiry of claim period which includes minimum three months from the expiry date)	
	Stamp Sl. No./e-Stamp Certificate No.	

WHEREAS, (Name of Bidder) _____ (hereinafter called "the Bidder") has submitted their offer Dated _____ for the provision of certain services (hereinafter called "the Bid") against OIL INDIA LIMITED, Duliajan, Assam, India (hereinafter called the Company's) Tender No. _____ KNOW ALL MEN BY these presents that we _____ (Name & address of the "Insurer") _____ having our registered office at _____ (hereinafter called " Insurer "), its successors and assignees, unconditionally and irrevocably undertake to pay forthwith to the Company an amount of Rs. .....(Rupees ..... only) (hereinafter referred to as the "Surety Bond") as our primary obligation without any demur, reservation, recourse, contest or protest and without reference to the Bidder, if the Bidder shall fail to fulfil or comply with all or any of the conditions mentioned below or referred in the Tender document in this regards.

Any such written demand made by the Company stating that the Bidder is in default of the due and faithful fulfilment and compliance with the aforesaid conditions shall be final, conclusive and binding on the Surety Insurer

SEALED with the said Insurer this ___ day of _____ 20_____

THE CONDITIONS of these obligations are:

1. If the Bidder withdraws their Bid within its original/extended validity; or
2. The Bidder modifies/revises their bid suomoto; or
3. The Bidder does not accept the contract; or
4. The Bidder does not furnish Performance Security Deposit within the stipulated time as per tender/contract; or
5. If it is established that the Bidder has submitted fraudulent documents or has indulged into corrupt and fraudulent practice.

NOW, THEREFORE, the Surety Insurer hereby, unconditionally and irrevocably, guarantees and affirms as follows:

1. The Surety Bond shall not be affected by any change in the constitution or winding up of the Bidder or the Surety Insurer or any absorption, merger or amalgamation of the Bidder or the Surely Insurer with any other person.

2. In order to give full effect to this Surety Bond, the Company shall be entitled to treat the Surety Insurer as the principal debtor.

3. The Surety Insurer declares that it has the power to issue this Surety Bond and discharge the obligations contemplated herein, the undersigned is duly authorised and has full power to execute this Surety Bond for and on behalf of the Surety Insurer.

4. Notwithstanding anything contained herein:

   a) The Insurer's liability under this Insurance Surety Bond shall not exceed (currency in figures) . . . . . (currency in words only) . . . . .

   b) This Insurance Surety Bond shall remain in force upto _____ and any extension(s) thereof; and

   c) The Surety insurer shall be released and discharged from all liability under this Insurance Surety Bond unless a written claim or demand is issued to the insurer on or before the midnight of .....(indicate date of expiry of claim period which includes minimum **three months** from the expiry of this Insurance Surety Bond) and any extension(s) thereof. If a claim has been received by us within the said date, all the rights of Company under this Insurance Surety Bond shall be valid and shall not cease until we have satisfied that claim.

In witness whereof the insurer, through its authorized officer, has set its hand and stamp on this _____day of _____ 20__ at _____.

Witness:	**Issuing Authority:**
.....	.....
(Signature	(Signature
.....	.....
Name	Name
.....	.....
(Designation & official address)	(Designation with Insurer Stamp)

Authorised Vide
Power of Attorney No.....
Date.....

INSTRUCTIONS FOR FURNISHING "BID SECURITY DEPOSIT" BY "INSURANCE SURETY BOND"

a) The Insurance Surety Bond shall be from an Insurer as per guidelines issued by Insurance Regulatory and Development Authority of India (IRDAI).

b) The Company shall be the Creditor, the Bidder shall be the Principal debtor and the Insurance company/Insurer shall be the Surety in respect of the Insurance Surety Bond to be issued by the Insurer.

c) The Insurance Surety Bond should be on Non-Judicial stamp paper/e-stamp paper of appropriate value as per Stamp Act prevailing in the state(s) where the Insurance Surety Bond is submitted or is to be acted upon or the rate prevailing in State where the Insurance Surety Bond is executed, whichever is higher. The Stamp Paper/e-stamp paper shall be purchased in the name of Bidder/Insurer issuing the Insurance Surety Bond.

d) The expiry date and values should be arrived at in accordance with instructions provided in the “Forwarding Letter/Introduction” of the Tender.

e) The Insurance Surety Bond by bidders will be given from Insurer as specified in the Tender.

f) A letter from the issuing insurer of the requisite Insurance Surety Bond confirming that said Insurance Surety Bond / all future communication relating to the Insurance Surety Bond shall be forwarded to the Purchaser at its address as mentioned at "ITB".

g) Bidder must indicate the full postal address of the Insurer along with the Insurer 's E-mail / Phone from where the Insurance Surety Bond has been issued.

h) Bidder must indicate Name, Address, Contact number and official Email ID of the Controlling Office of the Surety Issuing Branch or any web portal link, from whom / where the Surety Bond can be got confirmed by the Company.

PROFORMA-PS

PROFORMA OF "INSURANCE SURETY BOND" FOR "PERFORMANCE SECURITY"

(To be stamped in accordance with the Stamp Act)

To **M/s OIL INDIA LIMITED,** **CONTRACTS DEPARTMENT,** **DULIAJAN, ASSAM, INDIA,** **PIN-786602**	**Insurance Surety Bond (ISB) No.**	
	Date of ISB	
	ISB Valid up to (Expiry date)	
	Claim period up to (indicate date of expiry of claim period which includes minimum three months from the expiry date)	
	Stamp Sl. No./e-Stamp Certificate No.	

WHEREAS, (Name and address of Contractor) _____ (hereinafter called "Contractor") had undertaken, in pursuance of Contact No. _____ to execute (Name of Contract and Brief Description of the Work) _____ (hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with an Insurance Surety Bond (ISB) as security for compliance with Contractor's obligations in accordance with the Contract.

AND WHEREAS we (May incorporate the Insurer) have agreed to give the Contractor such an Insurance Surety Bond; NOW THEREFORE we hereby affirm that we are Insurer on behalf of the Contractor, up to a total of (Amount of ISB in figures) _____ (in words_____), such amount being payable in the types and proportions of currencies in which the Contract price is payable, and we, undertake to pay you, upon your first written demand and without cavil or arguments, any sum or sums within the limits of guarantee sum as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein. We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or the work to be performed thereunder or of any of the Contract documents which may be made between you and the Contractor shall in any way cease us from any liability under this ISB, and we hereby waive notice of such change, addition or modification.

NOW, THEREFORE, the Surety Insurer hereby, unconditionally and irrevocably, guarantees and affirms as follows:

5. The Surety Bond shall not be affected by any change in the constitution or winding up of the Contractor or the Surety Insurer or any absorption, merger or amalgamation of the Contractor or the Surely Insurer with any other person.

6. In order to give full effect to this Surety Bond, the Company shall be entitled to treat the Surety Insurer as the principal debtor.

7. The Surety Insurer declares that it has the power to issue this Surety Bond and discharge the obligations contemplated herein, the undersigned is duly authorised and has full power to execute this Surety Bond for and on behalf of the Surety Insurer.

8. Notwithstanding anything contained herein:

   a) The Insurer's liability under this Insurance Surety Bond shall not exceed (currency in figures) . . . . . (currency in words only) . . . . .

   b) This Insurance Surety Bond shall remain in force upto _____ and any extension(s) thereof; and

   c) The Surety insurer shall be released and discharged from all liability under this Insurance Surety Bond unless a written claim or demand is issued to the insurer on or before the midnight of .....(indicate date of expiry of claim period which includes minimum **three months** from the expiry of this Insurance Surety Bond) and any extension(s) thereof. If a claim has been received by us within the said date, all the rights of Company under this Insurance Surety Bond shall be valid and shall not cease until we have satisfied that claim.

In witness whereof the insurer, through its authorized officer, has set its hand and stamp on this _____day of _____ 20__ at _____.

Witness:	**Issuing Authority:**
.....	.....
(Signature	(Signature
.....	.....
Name	Name
.....	.....
(Designation & official address)	(Designation with Insurer Stamp)

Authorised Vide
Power of Attorney No.....
Date.....

INSTRUCTIONS FOR FURNISHING "PERFORMANCE SECURITY DEPOSIT" BY "INSURANCE SURETY BOND"

a) The Insurance Surety Bond shall be from an Insurer as per guidelines issued by Insurance Regulatory and Development Authority of India (IRDAI).

b) The Company shall be the Creditor, the Contractor shall be the Principal debtor and the Insurance company/Insurer shall be the Surety in respect of the Insurance Surety Bond to be issued by the Insurer.

c) The Insurance Surety Bond should be on Non-Judicial stamp paper/e-stamp paper of appropriate value as per Stamp Act prevailing in the state(s) where the Insurance Surety Bond is submitted or is to be acted upon or the rate prevailing in State where the Insurance Surety Bond is executed, whichever is higher. The Stamp Paper/e-stamp paper shall be purchased in the name of Contractor /Insurer issuing the Insurance Surety Bond.

d) The expiry date and values should be arrived at in accordance with instructions provided in the “Forwarding Letter/Introduction” of the Tender.

e) The Insurance Surety Bond by Contractors will be given from Insurer as specified in the Tender.

f) A letter from the issuing insurer of the requisite Insurance Surety Bond confirming that said Insurance Surety Bond / all future communication relating to the Insurance Surety Bond shall be forwarded to the Purchaser at its address as mentioned at "ITB".

g) Contractor must indicate the full postal address of the Insurer along with the Insurer 's E-mail / Phone from where the Insurance Surety Bond has been issued.

h) Contractor must indicate Name, Address, Contact number and official Email ID of the Controlling Office of the Surety Issuing Branch or any web portal link, from whom / where the Surety Bond can be got confirmed by the Company.

PROFORMA-LIH

LIH-Claim Format

Undertaking that the particular equipment/tool in question is not covered by contractor's insurance

TO BE NOTARIZED

UNDERTAKING

Ref Clause No. 16.1 (e) of SCC: LOSS OF SUB-SURFACE EQUIPMENT of the Contract

I/We ..... the authorized signatory(s) of (Company or firm name with address) do hereby solemnly affirm and declare as under: -

(1) That, my/our above Company/Firm has participated in the Tender IFB No. .....

(2) That, our firm has been awarded with the Contract no ..... for .....

(3) That, as required under Clause-14.0 of the GCC of the Contract, we have taken insurance to cover all risk in respect of our personnel, materials & equipment belonging to us or our sub-contractor during the currency of the contract including the third-party items/consumables.

(4) That, I/we also declare that the tools / equipment which are below Rotary Table or in the well bore provided under the above tender/contract are not covered under any Insurance Policies.

(5) That, the statements made in above paras are true to the best of my/our knowledge and belief. That in case of the any of the above statement is found to be false/ incorrect/misleading at any point of time during the currency of the contract, OIL shall be at liberty to initiate necessary action against the Company/Firm in terms of the Contract.

Place : .....

Date : ..... SIGNATURE OF THE DECLARANT

Appendix-VII

Questionnaire for vendors and suppliers

			Response
1. Emissions	What was the GHG emission for the last financial year ?	a) Scope 1 GHG emissions (kg CO_2e)	
		b) Scope 2 GHG emissions (kg CO_2e)	
	What was the GHG emission per unit of revenue for the last financial year?	a) Scope 1 GHG emissions (kg CO_2e)	
		b) Scope 2 GHG emissions (kg CO_2e)	
2. Decarbonization strategy & targets	Do you have a Net Zero target? If yes, please state the year		
	Do you have an emissions reduction target? If yes, are the targets absolute emissions based, or intensity based?		
	Please state the target for reduction in next financial year	a) Scope 1 GHG emissions/emissions intensity	
		b) Scope 2 GHG emissions/emissions intensity	
	Please provide information on a few decarbonization initiatives undertaken (describe the initiatives and their respective impact)		
3. Waste & Water Mgt.	Do you have any initiatives for waste management including solid wastes, liquid wastes and hazardous waste?		
	Do you have any initiatives for water management including monitoring of water consumption and withdrawals, and if applicable, treatment of wastewater?		
4. Disclosures	Are your current emissions verified? If yes, please name the assuring body		
	Are your emissions targets validated (eg: SbTi)? If yes, please name the methodology		
	Are you rated by any of the ESG rating agencies? If yes, please specify the agency and rating		

Suppliers and vendors may refer to the explanatory note for any questions or clarifications pertaining to any of the question s above.

Explantatory Note-ESG Questionnaire for Suppliers & Vendors

1 Emissions Reporting

What are Greenhouse Gas (GHG) Emissions?

Greenhouse gas (GHG) emissions refer to gases that trap heat in the Earth's atmosphere, contributing to global warming and climate change. These include carbon dioxide (CO_2), methane (CH_4), and nitrous oxide (N_2O), among others. GHG emissions are generated from various sources, such as burning fossil fuels, industrial activities, and deforestation.

What are Scope 1 and Scope 2 Emissions?

- **Scope 1 Emissions:** Direct emissions from sources owned or controlled by your company (e.g., fuel combustion in company-owned vehicles, boilers, and generators).
- **Scope 2 Emissions:** Indirect emissions from purchased electricity, steam, heating, and cooling consumed by your company. These emissions occur at the power generation source but are attributed to your business due to electricity consumption.

How to Calculate GHG Emissions?

Emissions are typically calculated using the following formula:
GHG Emissions (kg CO2e) = Consumption data × Emission Factor

- **Consumption Data:** Fuel consumption (liters), electricity use (kWh), etc.
- **Emission Factor:** Standard values published by organizations like the IPCC

Examples:

1. **Fuel Consumption-Based Calculation (Scope 1):**
   - If you use 1,000 liters of diesel in company vehicles, and the emission factor for diesel is 2.68 kg CO_2e per liter, your emissions are: 1,000×2.68=2,680 kg CO2e
2. **Electricity Consumption-Based Calculation (Scope 2):**
   - If your facility consumes 5,000 kWh of electricity, and the emission factor for your electricity provider is 0.4 kg CO_2e per kWh, your emissions are: 5,000×0.4=2,000 kg CO2e

Sample Responses:

Question	Sample Response
What was the GHG emission for FY24?	a) Scope 1: 10,500 kg CO_2e
	b) Scope 2: 8,200 kg CO_2e
What was the GHG emission per unit revenue for FY24?	a) Scope 1: 2.5 kg CO_2e per INR 1,000 revenue
	b) Scope 2: 1.8 kg CO_2e per INR 1,000 revenue

2 Decarbonization Strategy & Targets

Net Zero and Emission Reduction Targets

- **Net Zero Target**: A Net Zero target refers to a commitment to reducing emissions to as close to zero as possible, with residual emissions offset by carbon capture or other means. OIL would like to know if your organization has set any targets of becoming net zero, and if so, what is the targeted year.

- **There are 2 types of defining the target:**

  Absolute Reduction: A fixed percentage decrease in emissions over a period (e.g., 10% reduction by 2030).
  Intensity-Based Reduction: Reduction in emissions per unit of production or revenue (e.g., 15% reduction per product by 2025).

Sample Responses:

Question	Sample Response
Do you have a Net Zero target? If yes, please state the year	Yes, by 2040
Do you have an emissions reduction target? If yes, are the targets absolute emissions based, or intensity based?	Yes, we aim for an absolute 40% reduction by 2030, and 100% by 2040
Please state the target for reduction in FY24.	a) Scope 1: 10% absolute reduction
	b) Scope 2: 10% absolute reduction
Please provide information on a few initiatives undertaken (describe the initiatives)	Afforestation EV inclusion Electrification of gas-based equipment Renewable energy setup
How much of the reduction targets have been achieved till date? (eg: more than 80% achieved, less than 20% etc)	~5 % reduction has been achieved

3. Waste & Water Management

Waste Management Initiatives

In order to answer the question regarding waste management initiatives, vendors and suppliers may mention few of the initiatives that their organizations have undertaken that may include (but are not limited to):

- Recycling and reusing materials
- Proper disposal of hazardous waste
- Reducing landfill waste through composting or waste-to-energy programs

Water Conservation Initiatives

Similar to the waste management initiatives, in order to answer the question regarding water conversation initiatives, vendors and suppliers may mention few of the initiatives that their organizations have undertaken that may include (but are not limited to):

- Monitoring water consumption with meters
- Installing water-efficient fixtures
- Treating wastewater before discharge

Sample Responses:

Question	Sample Response
Do you have any initiatives for waste management including solid wastes, liquid wastes and hazardous waste?	Yes, we recycle 60% of our production waste and have SOPs in place for proper dispose of hazardous materials.
Do you have any initiatives for water management including monitoring of water consumption and withdrawals, and if applicable, treatment of wastewater?	Yes, we have meters to monitor water withdrawals and have a wastewater treatment process.

4. Disclosures

Verification & Validation of Emissions Data

- **Current emissions verification:** There are certain third-party agencies that verify an organization's emissions. These organizations provide independent assessments to ensure transparency and accuracy in emissions reporting. Verification by such agencies enhances credibility and aligns businesses with best sustainability practices. In case your organization's current emissions are validated by such a third-party agency, please specify the name of such an agency.

- **Emissions target validation:** If you have a target of reducing your carbon footprint, certain organizations validate the roadmap of achieving a lower carbon footprint. In case you have prepared a roadmap and submitted it to SBTi or Transition Pathways Initiatives, and have received certificates that have validated the targets, please specify the agency that has validated your targets.

- **ESG Ratings:** Certain agencies assess organizations based on their disclosures, monitoring capabilities, and control measures, among other factors. Some of these agencies, such as CDP and S&P, are globally recognized for their ratings. If your organization has received a rating from any of these agencies, please specify the agency's name and your assigned rating.

Sample Responses:

Question	Sample Response
Are your current emissions verified? If yes, please name the assuring body	Yes, verified by XYZ agency
Are your emissions targets validated (eg: SbTi)? If yes, please name the methodology	Yes, validated by SBTi.
Are you rated by any of the ESGrating agencies? If yes, please specify the agency and rating	Yes, CDP rating: D.

ANNEXURE-SP

Form-1

Format for Affidavit of Self Certification regarding Domestic Value Addition in Iron & Steel Products/capital goods to be provided on Rs. 100/-Stamp Paper

Date:

I _____S/o,D/o,W/o,_____Residentof ___Hereby solemnly affirm and declare as under:

That I will agree to abide by the terms and conditions of the policy of Government of India issued vide Notification No:_____.

That the information furnished hereinafter is correct to the best of my knowledge and belief and I undertake to produce relevant records before the procuring agency (ies) for the purpose of assessing the domestic value addition.

That the domestic value addition for all inputs which constitute the said iron & steel products has been verified by me and I am responsible for the correctness of the claims made therein.

That in the event of the domestic value addition of the product mentioned herein is found to be incorrect and not meeting the prescribed value-addition criteria, based on the assessment of procuring agency (ies) for the purpose of assessing the domestic value-addition, I will be disqualified from any Government tender for a period of 36 months. In addition,I will bear all costs of such an assessment.

That I have complied with all conditions referred to in the Notification No._____ wherein preference to domestically manufactured iron & steel products in Government procurement is provided and that the procuring agency (ies) is hereby authorized to forfeit and my EMD. I also undertake to pay the assessment cost and pay all penalties as specified in the tender document.

I agree to maintain the following information in the Company's record for a period of 8 years and shall make this available for verification to any statutory authority.

i. Name and details of the Bidder (Registered Office, Manufacturing unit location, nature of legal entity)
ii. Date on which this certificate is issued
iii. Iron & Steel Products for which the certificate is produced
iv. Procuring agency to whom the certificate is furnished
v. Percentage of domestic value addition claimed and whether it meets the threshold value of domestic value addition prescribed
vi. Name and contact details of the unit of the manufacturer(s)
vii. Net Selling Price of the iron & steel products
viii. Freight, insurance and handling till plant
ix. List and total cost value of input steel (imported) used to manufacture the iron & steel products
x. List and total cost of input steel which are domestically sourced.
xi. Please attach domestic value addition certificates from suppliers, if the input is not in house.
xii. For imported input steel, landed cost at Indian port with break-up of CIF value, duties & taxes, port handling charges and in land freight cost.

For and on behalf of (Name of firm/entity)

Authorized signatory (To be duly authorized by the Board of Directors)

<Insert Name, Designation and Contact No.>

<u>*END OF TENDER DOCUMENT*</u>

&&&