



ऑयल इंडिया लिमिटेड
(भारत सरकार का उद्यम)
Oil India Limited
(A Government of India Enterprise)

CONTRACTS DEPARTMENT

P.O: DULIAJAN, DIST: DIBRUGARH
ASSAM (INDIA), PIN-786602
Tel: +91-374-280 0548
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Email: contracts@oilindia.in
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NOTICE INVITING TENDER

Subject: Tender No. CDG4148L20 for Charter hiring of 01(one) no. 3000HP Drilling Rig Package for drilling ERD wells along with additional ultra-deep wells in Assam & Arunachal Pradesh.

The above tender has been issued to the following limited parties selected through OIL's: Expression of Interest No. EOI/DRLG/G/1457/2017-2018:

- (i) M/s Eriell Oilfield Services B.V., Amsterdam
- (ii) M/s Essar Oilfield Services India Ltd., Mumbai
- (iii) M/s Nabors Drilling International Ltd., Bermuda
- (iv) M/s Poltava Drilling Company LLC, Ukraine
- (v) M/s Simplex Infrastructures Ltd., Mumbai

The **interested parties other than the above** shortlisted parties who meet the 'Qualifying Criteria' as indicated in the tender may also apply for issue of tender documents. **Such application must reach the office of CGM-Contracts on or before 3rd April, 2020 (upto 15.30 Hrs IST).** The application must be complete in all respects and the same should accompany all the requisite documents as indicated in Bid Rejection Criteria/ Bid Evaluation Criteria (BRC/BEC), failing which the application will be considered as incomplete/rejected and the Party will not be permitted to participate against the tender.

Late application will not be entertained. Company shall not be responsible for any postal delay/transit loss. Timely delivery of the application complete with requisite documents shall be the sole responsibility of the Applicant.

Thanking you,

Yours faithfully,
OIL INDIA LIMITED

Sd/-
(B. Brahma)
Sr. Manager – Contracts (G)
For Chief General Manager – Contracts
FOR RESIDENT CHIEF EXECUTIVE



FORWARDING LETTER

M/s _____

Sub: Tender No. CDG4148L20 for Charter hiring of 01(one) no. 3000HP Drilling Rig Package for drilling ERD wells along with additional ultra-deep wells in Assam & Arunachal Pradesh.

Dear Sirs,

1.0 OIL INDIA LIMITED (OIL), a “Navaratna” 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 hiring of 01(one) no. 3000HP Drilling Rig Package for drilling ERD wells along with additional ultra-deep wells in Assam & Arunachal Pradesh on Limited Tender Basis.** One complete set of this Tender Document 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 Tender (covered in detail in the Bid Document) are highlighted below:

(i)	E-Tender No.	:	CDG4148L20
(ii)	Type of Bidding	:	Online-Single Stage-Two Bid System
(iii)	Tender Fee	:	Not Applicable
(iv)	Period of Sale	:	Not Applicable
(v)	Bid Closing Date & Time	:	As mentioned in Online E-tender portal
(vi)	Technical Bid Opening Date & Time	:	As mentioned in Online E-tender portal
(vii)	Price Bid Opening Date & Time	:	Will be intimated only to the eligible/qualified Bidders nearer the time.

(viii)	Bid Submission Mode	:	Bids must be uploaded online on OIL's E-procurement portal
(ix)	Bid Opening Place	:	Office of CGM-Contracts Contract Department, Oil India Limited, Duliajan -786602, Assam, India
(x)	Bid Validity	:	120 days from date of Bid Closing
(xi)	Mobilization Time	:	As defined in the tender
(xii)	Bid Security Amount	:	Rs.3.19 Crores or US\$ 459,200.00
(xiii)	Bid Security Validity	:	Minimum upto 31.12.2020
(xiv)	Original Bid Security to be submitted	:	Office of CGM-CONTRACTS, CONTRACTS DEPARTMENT, OIL INDIA LIMITED, DULIAJAN, ASSAM-786 602, INDIA
(xv)	Amount of Performance Security	:	10% of Annualised Contract value
(xvi)	Validity of Performance Security	:	Up to 3 months from date of completion of contract
(xvii)	Duration of the Contract	:	The Contract shall be initially valid for a period of Four (4) years from the date of its Commencement. However, Company reserves the option for extension of the contract duration by another one (1) year or part thereof on same terms & conditions and mutually agreed rates but not higher than the original rate(s) of the Contract.
(xviii)	Quantum of Liquidated Damage for Default in Timely Mobilization	:	Refer clause No. 18.0 of 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.

3.0 INTEGRITY PACT: The Integrity Pact must be uploaded in OIL's E-procurement portal along with the Technical Bid digitally signed by the same signatory who signed the Bid i.e. who is duly authorized to sign the Bid. If any bidder refuses to sign Integrity Pact or declines to submit the Integrity Pact, their bid shall be rejected straightway. 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 signs the Bid.

4.0 **GUIDELINES FOR PARTICIPATING IN OIL'S E-PROCUREMENT:**

4.1 To participate in OIL's E-procurement tender, bidders should have a legally valid digital certificate **of Class 3 with Organizations 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.**

4.2 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.

4.3 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 is not responsible.

4.4 Bidders must have a valid User ID to access OIL's e-Procurement site for submission of bid. Vendors having User ID & password can purchase bid documents **on-line through OIL's electronic Payment Gateway**. New vendor shall obtain User ID & password through online vendor registration system in e-portal and can purchase bid documents subsequently in the similar manner.

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

5.0 **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 BIDDER AFTER ISSUE OF LOA:** In case LOA issued is not accepted by the 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 **Annexure-E** 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 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) The authenticity of digital signature shall be verified through authorized CA after bid opening. 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 portal. 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 to 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:

Note:

- * 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 Attachment, 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 screenshot shows the 'Create RFx Response' form. At the top, there are tabs: Submit, Read Only, Print Preview, Check, Technical RFx Response, and Close. Below these, the form displays 'RFx Response Number 60038748' and 'RFx Number'. The 'RFx Owner' is 'BHARALI' and the 'Total Value' is '0.00 INR'. The form has several tabs: RFx Information, Items, Notes and Attachments, Basic Data, Questions, and Technical Attachments. Under the 'RFx Information' tab, there are 'Event Parameters' including 'Currency' (set to 'Indian Rupee'), 'Detailed Price Information' (set to 'No Price'), 'Terms of Payment', and 'Total Bid Value' (a yellow input field). Three blue callout boxes provide instructions: one points to the 'Currency' dropdown with the text 'Bidder to select the currency of the Response'; another points to the 'Detailed Price Information' dropdown with the text '“Total Bid Value” is mandatory in “No Price” RFx'; and a third points to the 'Total Bid Value' input field with the text '“Total Bid Value” considering all the taxes & duties.'

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.

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

Thanking you,

Yours faithfully,
OIL INDIA LIMITED

Sd/-
(B. Brahma)
Sr. Manager – Contracts (G)
For Chief General Manager - Contracts
For RESIDENT CHIEF EXECUTIVE

PART-1
INSTRUCTIONS TO BIDDERS (ITB)

- 1.0** 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.

A. BID DOCUMENTS

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

- (a) A Forwarding Letter highlighting the following points:
 - (i) Company's Tender No. & Type
 - (ii) Bid closing date and time
 - (iii) Bid opening date and time
 - (iv) Bid submission Mode
 - (v) Bid opening place
 - (vi) Bid validity, Mobilisation time & Duration of contract
 - (vii) The amount of Bid Security with validity
 - (viii) The amount of Performance Guarantee with validity
 - (ix) Quantum of liquidated damages for default in timely mobilization
 - (b) Instructions to Bidders, (Part-1)
 - (c) Bid Evaluation Criteria/Bid Rejection Criteria, (Part-2)
 - (d) General Conditions of Contract, (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) Estimated CIF value of items at the time of import, (Proforma-A)
 - (i) Price Schedule Format, (Proforma-B)
 - (j) Bid Form, (Proforma-C)
 - (k) Statement of Non-Compliance, (Proforma-D)
 - (l) Bid Security Form, (Proforma-E)
 - (m) Performance Security Form, (Proforma-F)
 - (n) Agreement Form, (Proforma-G)
 - (o) Proforma of Letter of Authority, (Proforma-H)
 - (p) Authorisation for Attending Bid Opening, (Proforma-I)
 - (r) Integrity Pact, (Annexure-A)
 - (s) Annual Turnover & Net worth of Bidder (Annexure-B)
 - (t) Proforma of Bank Guarantee towards PP-LC (Annexure-C)
 - (u) Safety Measures (Annexure-D)
 - (v) Undertaking of authenticity of information/documents submitted (Annexure-E)
 - (w) Certificate of Compliance of FINANCIAL CRITERIA (Annexure-F)
 - (x) Proforma for Parent Company Agreement & Guarantee, (Attachment-I, Attachment-II & Attachment-III)
- 2.1** 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.

3.0 TRANSFERABILITY OF BID DOCUMENTS:

- 3.1 Bid Documents are non-transferable. Bid can be submitted only in the name of the bidder in whose name the Bid Document has been issued.
- 3.2 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.
- 4.2 The Addendum will be uploaded in OIL's E-Tender Portal in the "Technical RFx Response" under the tab "Amendments to Tender Documents". All prospective bidders to whom Company has issued the Bidding Documents shall also be intimated about the amendments through post/courier or by Fax or e-mail. The Company may, at its discretion, extend the deadline for bid submission, if the Bidders are expected to require additional time in which to take the Addendum into account in preparation of their bid or for any other reason. **Bidders are to check from time to time the E-Tender portal ["Technical RFx Response" under the tab "Amendments to Tender Documents"] for any amendments to the bid documents before submission of their bids. No separate intimation shall be sent to the Bidders.**

B. PREPARATION OF BIDS

- 5.0 **LANGUAGE OF BIDS:** The bid as well as all correspondence and documents relating to the bid exchanged between the Bidder and the Company shall be in English language, except that any printed literature may be in another language provided it is accompanied by an official and notarised English translated version, which shall govern for the purpose of bid interpretation.

5.1 **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.

6.0 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)

- (i) Complete technical details of the services and equipment specifications with catalogue, etc.
- (ii) Documentary evidence established in accordance with Clause 10.0 hereunder.
- (iii) Bid Security (scanned) in accordance with Clause 11.0 hereunder. Original Bid Security should be sent as per Clause No. 11.11 below.
- (iv) Copy of Bid-Form without indicating prices in Proforma-C
- (v) Statement of Non-compliance as per Proforma-D
- (vi) Undertaking of authenticity of information/documents submitted (Annexure-E)
- (vii) Proforma-A: List of items to be imported without the CIF values.
- (viii) Copy of Priced Bid **without indicating prices** (Proforma-B)

- (ix) Integrity Pact digitally signed by OIL's competent personnel as Annexure-A, attached with the bid document to be digitally signed by the bidder.

Note: Please note that, price should not be mentioned in the "Technical Attachments" Tab.

(B) PRICED 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**:

- (i) Price-Bid Format as per Proforma-B
- (ii) Bid Form as per Proforma-C
- (iii) Proforma-A showing the items to be imported with the CIF values.

The Priced Bid shall contain the prices along with the currency quoted and any other commercial information pertaining to the service offered.

7.0 BID FORM:

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

8.0 BID PRICE:

- 8.1 Prices must be quoted by the Bidders online as per the price bid format available in OIL's E- Tender Portal in "Notes & Attachment" Tab. Unit prices must be quoted by the bidders, both in words and in figures.
- 8.2 Prices quoted by the successful bidder must remain firm during its performance of the Contract and is not subject to variation on any account.
- 8.3 All duties (except customs duty which will be borne by the Company) and taxes (excluding GST) including Corporate Income Tax, Personal 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 accordingly. 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.

9.0 CURRENCIES OF BID AND PAYMENT:

- 9.1 A bidder expecting to incur its expenditures in the performance of the Contract in more than one currency, and wishing to be paid accordingly, shall so indicate in the bid. In such a case, the bid shall be expressed in different currencies and the respective amounts in each currency shall together make up the total price.
- 9.2 Indian bidders too can submit their bids in any currency (including Indian Rupees) and receive payment in such currencies on par with foreign bidders. However, currency once quoted will not be allowed to be changed.

10.0 DOCUMENTS ESTABLISHING BIDDER'S ELIGIBILITY AND QUALIFICATIONS:

- 10.1 These are listed in **BID REJECTION CRITERIA (BRC) / BID EVALUATION CRITERIA (BEC), PART-2** of the Bid document.

11.0 BID SECURITY:

11.1 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 11.9 hereunder.

11.2 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 the OIL's prescribed format as Bank Guarantee (BG) enclosed with the NIT/Tender vide **Proforma-E** or online payment through OIL's e portal in 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 in India at the request of some other Non Scheduled Bank of India shall not be acceptable.

The Bank Guarantee / LC shall be valid for the time as asked for in the Bid Document. Bank Guarantees issued by Banks in India should be on non-judicial stamp paper of requisite value, as per Indian Stamp Act, purchased in the name of the Banker.

11.3 **Bidders can also submit Bid Security on-line through OIL's electronic Payment Gateway.**

11.4 Any bid not secured in accordance with **sub-clause 11.2 or 11.3** above shall be rejected by the Company as non-responsive.

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

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

11.7 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 29.0** below is furnished.

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

11.9 The Bid Security may be forfeited:

i) The bidder withdraws the bid within its original/extended validity.

- ii) The bidder modifies/revise their bid suo-moto.
 - iii) Bidder does not accept the order/contract.
 - iv) Bidder does not furnish Performance Security Deposit within the stipulated time as per tender/order/contract.
 - v) 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
- 11.10 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.
- 11.11 **The scanned copy of the original Bid Security in the form of either Bank Guarantee or LC 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.
- 11.12 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.
- 11.13 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.
- The above message/intimation shall be sent through SFMS by the BG issuing bank branch indicating the Tender No. CDG4148L20 to HDFC Bank Limited, Duliajan Branch, Utopia Complex, BOC Gate, Jayanagar, Duliajan, Dibrugarh, PIN – 786602. The Bank details are as under:

Bank Details of Beneficiary		
a	Bank Name	HDFC BANK LIMITED
b	Branch Name	Duliajan
c	Branch Address	Utopia Complex, BOC Gate, Jayanagar, Duliajan, Dibrugarh, PIN – 786602
d	Bank Account No.	21182320000016
e	Type of Account	Current Account
f	IFSC Code	HDFC0002118
g	MICR Code	786240302
h	SWIFT Code	HDFCINBBCAL

12.0 EXEMPTION FROM SUBMISSION OF BID SECURITY:

- 12.1 Central Govt. offices and Central Public Sector undertakings are exempted from submitting Bid Security.

- 12.2 If the bidder is a Micro or Small Enterprises (MSE) 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, then they are also exempted from submitting Bid Security. Bidding MSEs shall have to submit a Copy of valid Registration Certificate clearly indicating the monetary limit, if any and the items for which bidder are registered with any of the aforesaid agencies.

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

13.0 PERIOD OF VALIDITY OF BIDS:

- 13.1 Bids shall remain **valid for 120** days 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 Closing Date.
- 13.2 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. The Bid Security provided under Para 11.0 above shall also be suitably extended. 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.

C. SIGNING & SUBMISSION OF BIDS:

14.0 SIGNING OF BID:

- 14.1 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 Organizations 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 "Organization Name" field other than Bidder's Name are not acceptable. However, aforesaid Digital Signature Certificates having Bidder's Name in the "Organization Name" field are acceptable.

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 as mentioned in Para 15.1 below.

The authenticity of above digital signature shall be verified through authorized CA after bid opening and 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.

- 14.2 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.
- 14.3 Any person signing the Bid or any other document in respect of this Bidding Document or other relevant documents on behalf of the Bidder without disclosing his authority to do so shall be deemed to have the authority to bind the Bidder. If it is discovered at any time that the person so signing has no authority to do so, the Company (OIL) may, without prejudice to any other right or remedy, cancel his Bid or Contract and hold the Bidder liable to the Company (OIL) for all costs and damages arising from the cancellation of the Bid or Contract including any loss which the Company (OIL) may sustain on account thereof.
- 14.4 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 initialled by the person or persons who has/have digitally signed the Bid.
- 14.5 Any Bid, which is incomplete, ambiguous, or not in compliance with the Bidding process will be rejected.

15.0 SUBMISSION OF BIDS

- 15.1 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 are 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 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 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:

- vi) The Original Bid Security along with 1(one) copy
- vii) Power of Attorney for signing of the bid digitally
- viii) Any other document required to be submitted in original as per bid document requirement.
- ix) Printed catalogue and literature if called for in the bid document.

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

- 15.2 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.
- 15.3 Timely delivery of the documents in physical form as stated in Para 15.1 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.
- 15.4 Bids received through the e-procurement portal shall only be accepted. Bids received in any other form shall not be accepted.

16.0 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.

17.0 DEADLINE FOR SUBMISSION OF BIDS:

- 17.1 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.
- 17.2 No bid can be submitted after the submission dead line is reached. The system time displayed on the e-procurement web page shall decide the submission dead line.
- 17.3 The documents in physical form as stated in Para 15.1 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.

18.0 LATE BIDS: Bidders are advised in their own interest to ensure that their bids are uploaded in system before the closing date and time of the bid. The documents in physical form mainly the Original Bid Security 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.

19.0 MODIFICATION AND WITHDRAWAL OF BIDS:

19.1 The Bidder after submission of Bid may modify or withdraw its Bid prior to Bid Closing Date & Time.

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

19.3 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.

20.0 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.

21.0 BID OPENING AND EVALUATION:

21.1 Company will open the Technical Bids, including submission made pursuant to clause 19.0, 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.

21.2 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.

21.3 Bid for which an acceptable notice of withdrawal has been received pursuant to clause 19.0 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.

21.4 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.

- 21.5 Company shall prepare, for its own records, minutes of bid opening including the information disclosed to those present in accordance with the sub-clause 21.3.
- 21.6 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.
- 21.7 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 way 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.
- 21.8 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.
- 21.9 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.

22.0 OPENING OF PRICED BIDS:

- 22.1 Company will open the Priced Bids of the technically qualified Bidders on a specific date in presence of representatives of the qualified bidders. The technically 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.
- 22.2 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.
- 22.3 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.

23.0 CONVERSION TO SINGLE CURRENCY:

While evaluating the bids, the closing 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. Where the time lag between the opening of the price bids and final decision exceeds three months, the rate of exchange declared by State Bank of India on the date prior to the date of final decision will be adopted for conversion.

24.0 EVALUATION AND COMPARISON OF BIDS:

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

24.1 DISCOUNTS / REBATES:

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

24.2 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.

24.3 LOADING OF FOREIGN EXCHANGE:

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

24.4 EXCHANGE RATE RISK:

Since Indian bidders are now permitted to quote in any currency and also receive payments in that currency, Company will not be compensating for any exchange rate fluctuations in respect of the services.

24.5 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.

25.0 CONTACTING THE COMPANY:

25.1 Except as otherwise provided in **Clause 21.0** 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 21.6**.

25.2 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.

D. AWARD OF CONTRACT

26.0 AWARD CRITERIA:

The Company will award the Contract to the successful Bidder 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.

27.0 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.

28.0 NOTIFICATION OF AWARD:

28.1 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.

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

28.3 Upon the successful Bidder's furnishing of Performance Security pursuant to **Clause 29.0** below, the Company will promptly notify each un-successful Bidder and will discharge their Bid Security, pursuant to **Clause 11.0** hereinabove.

29.0 PERFORMANCE SECURITY:

29.1 On receipt of notification of award from the Company, the successful Bidder shall furnish to Company the Performance Security for an amount specified in the Forwarding Letter (and Letter of Award (LOA) issued by Company to Contractor awarding the contract) as per **Proforma-F** or in any other format acceptable to the Company and must be in the form of a Demand Draft or 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 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.
- 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 in India at the request of some other Non-Scheduled Bank of India shall not be acceptable.

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

- a) Full address.
- b) Branch Code.
- c) Code Nos. of the authorized signatory with full name and designation.
- d) Phone Nos., Fax Nos., E-mail address.

The domestic bidders 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.

The foreign bidder 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.

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

- 29.2 The Performance Security specified above must be valid for 3(three) months beyond the contract period. The Performance Security will be discharged by Company not later than 30 days following its expiry. 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.
- 29.3 The Performance Security shall be payable to Company as compensation for any loss resulting from Contractor's failure to fulfil its obligations under the Contract.
- 29.4 The Performance Security will not accrue any interest during its period of validity or extended validity.
- 29.5 Failure of the successful Bidder to comply with the requirements of **clause 29.0 and/or 30.0** shall constitute sufficient grounds for annulment of the award and forfeiture of the Bid Security or Performance Security. In such an eventuality, the party shall be debarred for a period of 2(two) years from the date of default.

30.0 SIGNING OF CONTRACT:

- 30.1 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.
- 30.2 Within 30 days of issue of LOA, the successful Bidder shall sign and date the contract and return it to the Company. Till the contract is signed, the LOA issued to the successful bidder shall remain binding amongst the two parties.
- 30.3 In the event of failure on the part of the successful Bidder to sign the contract within the period specified above or any other time period specified by Company, 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.

31.0 FURNISHING FRAUDULENT INFORMATION/DOCUMENTS:

If it is found that a bidder/contractor has furnished fraudulent information / documents, the Bid Security/Performance Security shall be forfeited and the party shall be debarred for a period of 3(three) years from the date of detection of such fraudulent act besides the legal action.

32.0 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.

33.0 MOBILISATION ADVANCE PAYMENT:

- 33.1 Request for advance payment shall not be normally considered. However, depending on the merit and at the discretion of the Company, advance against mobilisation charge may be given at an interest rate of 1% above the prevailing Bank rate (CC rate) of SBI CAG Branch, Kolkata from the date of payment of the advance till recovery/refund.
- 33.2 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 mobilisation and the same may be invoked in the event of Contractor's failure to mobilise as per agreement.
- 33.3 In the event of any extension to the mobilisation 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.

34.0 INTEGRITY PACT:

- 34.1 OIL shall be entering into an Integrity Pact with the Bidders as per format enclosed vide **Annexure-A** 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.**
- 34.2 The names of the OIL's Independent External Monitors at present are as under:
- a. Shri Rajiv Mathur, IPS(Retd), Former Director, IB, Govt. of India;
E-mail: rajivmathur23@gmail.com
 - b. Shri Jagmohan Garg, Ex-Vigilance Commissioner, CVC;
E-Mail id: jagmohan.garg@gmail.com
 - c. Shri Rudhra Gangadharan, IAS(Retd.), Ex-Secretary, Ministry of Agriculture;
E-Mail: rudhra.gangadharan@gmail.com

35.0 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 knowledge and its effect on the cost of execution of the Contract.

36.0 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.

37.0 PURCHASE PREFERENCE POLICY-LINKED WITH LOCAL CONTENT (PP - LC)

37.1 Vide Letter No. FP-20013/2/2017-FP-PNG dated 07.10.2019, MoPNG has notified Amended Govt. Policy for providing Purchase Preference linked with Local Content (PP-LC) in all PSUs under MoPNG for awarding a specified percentage of tender quantity to the lowest techno-commercially qualified LC Bidder, subject to meeting certain conditions as stipulated in the Policy.

37.2 The said Policy shall be applicable in ICB Tenders for procurement of Goods, Services and EPC Contracts pertaining to Oil & Gas business activities as mentioned at Enclosure-I of the Policy document. However, the Policy shall not be applicable for HP-HT operations for the time being.

37.3 In case a bidder is eligible to seek benefits under PP-LC policy as well as Public Procurement Policy for MSEs-Order 2012, then the bidders should categorically seek benefits against only one of the two policies i.e. either PP-LC or MSE policy. If a bidder seeks EMD exemption under the MSE policy, then it shall be considered that the bidder has sought benefit against the MSE policy and this option once exercised cannot be modified subsequently. Tenders involving eligible/qualified MSME Vendors as well as LC Vendors, preference regarding placement of order shall be accorded to MSME Vendors in line with Public Procurement Policy over PP-LC Policy.

37.4 Bidders seeking Purchase Preference under PP-LC Policy shall be required to meet / exceed the target of Local Content (LC) as on the date of NIT issued by OIL and mandated vide Enclosure-I to the policy notification (Letter No. FP-20013/2/2017-FP-PNG dated 07.10.2019 including the latest amendment thereto, if any).

37.4.1 Such bidders shall furnish following undertaking on its letter head along with their techno-commercial bid. The undertaking shall become a part of the contract.

"We _____ (Name of the bidder) undertake that we meet the mandatory minimum Local Content (LC) requirement i.e. _____ (to be filled as notified at Enclosure I of the policy) for claiming purchase preference linked with Local Contents under the Govt. policy against under tender no. _____."

The percentage of local content in the bid is _____%".

37.4.2 **In cases of procurement for a value in excess of Rs 10 crores;** above undertaking shall be supported by the following certificate from Statutory Auditor

engaged by the bidder or Cost Auditor of the company (in the case of companies) or from a practising cost accountant or practicing chartered accountant (in respect of suppliers other than companies), on the letter head of such Statutory Auditor etc.

“We _____ the statutory auditor (or as the case may be) of M/s _____ (name of the bidder) hereby certify that M/s _____ (name of the bidder) meet the mandatory Local Content requirements of the Services i.e. _____ (to be filled as notified at Enclosure I of the policy) quoted vide offer No. _____ dated _____ against OIL’s Tender No. _____ by M/s _____ (Name of the bidder).”

The percentage of local content in the bid is _____%”.

NOTE: In case of foreign bidder, certificate (with regard to the fulfilment of minimum mandatory local content requirement) from the Statutory Auditor or Cost Auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case, office or subsidiary in India does not exist or Indian office/ subsidiary is not required to appoint Statutory Auditors or Cost auditors, certificate from practicing cost accountant or practicing Chartered Accountant in India or practicing cost accountant in India shall also be acceptable.

37.4.3 At the bidding stage the bidder shall provide undertaking, certificate as per provisions under clause 37.4.1 and 37.4.2 above.

Sample format for calculation of LC may be seen in Enclosure-III of PP-LC Policy. Bidders confirmation on LC shall be based on the calculation shown in this enclosure. However, this enclosure shall not be required to be included in the bid or uploaded by the bidder in the e-procurement portal in case of e-tender.

37.5 Eligible (techno-commercially qualified) LC bidder shall be granted a Purchase Preference of 10% i.e. where the evaluated price is within 10% of the evaluated lowest price of Non-Local Content (NLC) bidder, other things being equal. Accordingly, Purchase Preference shall be granted to the eligible (techno-commercially qualified) LC bidder concerned, at the lowest valid i.e. NLC price bid.

37.5.1 Only those LC bidders whose bids are within 10% of the NLC L1 bid would be allowed an opportunity to match with L1 bid. All the eligible LC bidders shall be asked to submit their confirmation to match their price in sealed envelopes. Envelopes of the bidders shall be opened and award shall be made to the lowest evaluated TA/CA (Techno-Commercially Acceptable) bidder among the eligible LC bidders. In case the lowest eligible LC bidder fails to match L1 price, the next eligible LC bidder will be awarded the prescribed quantity and so on. In case none of the eligible LC bidders matches the L1 bid, the actual bidder holding L1 price will secure the order.

37.6 Order for supply of 50% of the tendered quantity would be awarded to the lowest techno-commercially qualified LC bidder, subject to matching with valid NLC L1 price. The remaining will be awarded to L1 (i.e. NLC bidder). Prescribed 50% tendered quantity for LC bidders shall not be further sub-divided among eligible LC bidders.

37.6.1 However, if L1 bidder happens to be a LC bidder, the entire procurement value shall be awarded to such bidder.

37.6.2 When the tendered goods/services cannot be divided in the exact ratio of 50% / 50%, then OIL reserves the right to award on lowest eligible PP-LC bidder for quantity not less than 50%, as may be divisible.

For example:

In case tendered quantity is 3 Nos. (not divisible in the ratio of 50:50), PP-LC bidder shall get order for 2 Nos. only and the rest will go to L-1 (NLC bidder).

OR

(Alternate clause applicable for cases where tendered quantity cannot be divided).

37.7 The tendered quantity is not splittable / non-dividable / cannot be procured from multiple sources. Hence, the entire procurement value shall be awarded to the lowest techno-commercially qualified LC bidder subject to matching with valid NLC L1 rates.

37.8 All terms used herein above shall be interpreted/governed by the definitions provided at para 2.0 of the policy document notified by MoPNG vide letter No. FP-20013/2/2017-FP-PNG dated 07.10.2019.

37.9 The successful bidder shall be obliged to fulfill the requirements of quality and delivery time in accordance with the provisions of the Purchase order/contract. OIL shall have the right to satisfy itself of the production capability and product quality of the manufacturer.

37.10 Determination of LC:

37.10.1 LC of Services shall be calculated on the basis of the ratio of service cost of domestic component in service to the total cost of services.

37.10.2 The total cost of service shall be constituted of the cost spent for rendering of service, covering:

- a) Cost of component (material), which is used.
- b) Manpower and consultant cost, cost of working equipment/facility, and
- c) General service cost, excluding profit, company overhead cost, taxes and duties

37.10.3 The criteria for determination of cost of local content in the service shall be as under:

- a) In the case of material being used to help the provision of service, based on country of origin.
- b) In the case of manpower and consultant based on INR component of the services contract.
- c) In the case of working equipment/facility, based on country of origin and
- d) In the case of general service cost, based on the criteria as mentioned in clauses a, b and c above.
- e) Indian flag vessels in operation as on date.

37.10.4 Determination of Local Content: The determination of local content of the working equipment/facility shall be based on the following provision.

Working equipment produced in the country is valued as 100% (one hundred percent) local content, working equipment produced abroad is valued as much as nil (0% percent) local content.

37.11 Calculation of LC and Reporting

37.11.1 LC shall be calculated on the basis of verifiable data. In the case of data used in the calculation of LC being not verifiable, the value of LC of the said component shall be treated as NIL.

37.11.2 Formats for the calculation of LC of services may be seen at Enclosure-III of the policy document.

37.12 Certification and Verification

37.12.1 Bidder seeking Purchase Preference under the policy, shall be obliged to verify the LC of services as follows:

37.12.1.1 **At bidding stage:**

- a) Local Content:
 - (i) The bidder shall provide the percentage of Local Content in the bid as per provisions under clause No. 37.4.3 above.
 - (ii) Bidder must have LC in excess of the specified requirement.
- b) Undertaking by the bidder:
 - i. The bidder shall submit an undertaking as per clause No. 37.4.1 from the authorized signatory of bidder having the power of Attorney alongwith the techno-commercial bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.

In cases of procurement for a value in excess of Rs 10 Crores; the undertaking submitted by the bidder shall be supported by a certificate from Statutory Auditor or Cost Auditor of the company (in the case of companies) or from a practising Cost Accountant or practicing Chartered Accountant (in respect of other than companies) giving the percentage of local content as per clause No. 37.4.2.

However, in case of foreign bidder, certificate from the Statutory Auditor or Cost Auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case, office or subsidiary in India does not exist or Indian office/ subsidiary is not required to appoint Statutory Auditor or Cost auditor, certificate from practicing Cost Accountant in India or practicing Chartered Accountant in India giving the percentage of local content is also acceptable.

- ii. The Bidder shall submit undertaking alongwith the techno-commercial bid categorically confirming that in the event of an order under PP-LC, they will furnish additional bank guarantee pursuant to clause No. 37.13.5 below.

37.12.1.2 After Contract Award:

- a) The bidder shall submit an undertaking from the authorized signatory of bidder having the power of Attorney alongwith the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.

In cases of procurement for a value in excess of Rs 10 Crores, the undertaking submitted by the bidder shall be supported by a certificate from Statutory Auditor or Cost Auditor of the company(in the case of companies) or from a practising Cost Accountant or practicing Chartered Accountant (in respect of other than companies) giving the percentage of local content.

However, in case of foreign bidder, certificate from the Statutory Auditor or Cost Auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case, office or subsidiary in India does not exist or Indian office/ subsidiary is not required to appoint Statutory Auditor or Cost auditor, certificate from practicing Cost Accountant in India or practicing Chartered Accountant in India giving the percentage of local content is also acceptable.

- b) Bidder must submit Additional Bank Guarantee pursuant to clause No. 37.13.5 within 30 days of award of contract under PP-LC.

37.12.2 Each supplier shall provide the necessary Local Content documentation to the statutory auditor, which shall review and determine the local content requirements have been met and issue of local content certificate to that effect on behalf of OIL, stating the percentage of local content in the good or service measured. The Auditor shall keep all necessary information obtained from suppliers for measurement of Local Content confidential.

37.12.3 The Local Content certificate shall be submitted along with each invoice raised. However, the % of local content may vary with invoice while maintaining the overall % of local content for the total purchase of the pro-rata local content requirement. In case, it is not satisfied cumulatively in the invoices raised up to that stage, the supplier shall indicate how the local content requirement would be met in the subsequent stages.

37.12.4 Where currency quoted by the bidder is other than Indian Rupee then the bidder claiming benefits under PP-LC shall consider exchange rate prevailing on the date of notice inviting tender (NIT) for the calculation of Local Content.

37.12.5 OIL shall have the authority to audit as well as witness production processes to certify the achievement of the requisite local content.

37.13 Sanctions:

37.13.1 OIL shall impose sanction on bidder for not fulfilling LC of goods/services in accordance with the value mentioned in certificate of LC.

37.13.2 The sanctions may be in the form of written warning, financial penalty and blacklisting.

37.13.3 If the bidder does not fulfill his obligation after the expiration of the period specified in such warning. OIL shall initiate action for blacklisting such bidder/ successful bidder.

37.13.4 A bidder who has been awarded the contract after availing Purchase Preference is found to have violated the LC provision, in the execution of the

procurement contract of goods and/or services shall be subject to financial penalty over and above the PBG value prescribed in the contract and shall not be more than an amount equal to 10% of the Contract Price.

- 37.13.5 In pursuance of the clause No. 37.13.4 above, towards fulfillment of conditions pertaining to Local Contents in accordance with the value mentioned in the certificate of LC, the bidder shall have to submit additional Bank Guarantee (format attached as per Annexure-C) equivalent to the amount of PBG.

END OF PART - 1
&&&&

PART – 2
BID REJECTION CRITERIA (BRC) / BID EVALUATION CRITERIA (BEC)

I. BID REJECTION CRITERIA (BRC):

The bid shall conform generally to the specifications and terms and conditions given in this bid document. Bids will be rejected in case the services offered do not conform to 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.

A. TECHNICAL: Bidder must meet the following criteria failing which offer will be rejected:

1.0 EXPERIENCE: The bidder must have the following experience during the last 7 years reckoned from the original bid closing date:

i) Minimum one-year continuous experience of providing drilling services to E&P companies with a rig of minimum 2000 HP capacity on charter hire basis.

ii) Drilling of at least 05 (Five) numbers of wells with drilling rig(s) of minimum 2000 HP capacity, out of which the measured depth of at least one well should be of minimum 4500m.

iii) Bidder must have experience for operation and maintenance of Top Drive of the Rig. If the bidder does not have experience then the bidder shall have to confirm that in the event of award of contract, maintenance support of the 'Top Drive' will be provided from the manufacturer of the 'Top Drive' throughout the contract period. An 'Memorandum of understanding (MOU)' between the manufacturer and the bidder shall have to be submitted along with the technical bid in support of the maintenance of the 'Top Drive' system.

2.0 A job executed by a Bidder for its own organization/subsidiary will not be considered as experience for the purpose of meeting the requirements of the BEC.

3.0 FINANCIAL CRITERIA:

3.1 The bidder must have **annual financial turnover** of at least of **Rs. 74.12 Crore (or equivalent to 10.33 million USD)** in any of the preceding three (3) financial years as per the Audited Annual Reports.

NOTE: In case the Audited Balance sheet and Profit Loss Account submitted along with the bid are in currencies other than INR or 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.

- 3.2 In case of Consortium of companies, at least one of the member of the Consortium must have an annual financial turnover as stated above under clause 3.1 in any of the preceding 03(three) financial years reckoned from the original bid closing date. The other member(s) of the Consortium must have an annual financial turnover of minimum **Rs. 37.06 Crore (or equivalent to 5.16 million USD)** in any of the preceding 03(three) financial/accounting years reckoned from the original bid closing date. Support from parent/supporting company is not allowed to meet the financial criteria.
- 3.3 **Net worth** of bidder must be positive for preceding financial/ accounting year. In case of consortium bidding, the net worth of all the consortium partners individually should be positive for the accounting year preceding the bid closing date.
- 3.4 Considering the time required for preparation of Financial Statements, if the last date of the preceding financial / accounting year falls within the preceding six months reckoned from the original bid closing date 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 affidavit/undertaking certifying that '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 as per format'. [Annexure-F]
- 3.5 For proof of Annual Turnover & Net worth, any one of the following document must be submitted along with the bid:
- (i) A certificate issued by a practicing Chartered /Cost Accountant (with Membership Number and Firm Registration Number), certifying the Annual turnover & Net worth as per format prescribed in **ANNEXURE-B**. Please note that mentioning of UDIN (Unique Document Identification Number) is mandatory for all Certificates issued by Chartered Accountant w.e.f. 1st February, 2019.

OR

(ii) Audited Balance Sheet along with Profit & Loss account. In case of foreign bidders, self-attested/digitally signed printed published accounts are also acceptable.

Note: 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.

- 3.6 In case the Audited Balance sheet and Profit Loss Account submitted along with the bid are in currencies other than INR or 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.

- 3.7 In case the bidder is a subsidiary company (should be a 100% 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, then following documents need to be submitted along with the technical bid:
- (i) Audited Balance Sheet and Profit Loss Account of the parent/ultimate parent/holding company.
 - (ii) Corporate Guarantee of parent/ultimate parent/Holding company (as per format enclosed as **Attachment-III**) by the authorized officials.
 - (iii) The bidder is a 100% subsidiary company of the parent/ultimate/holding parent company.
 - (iv) Documents proving that Net worth of the parent/ultimate parent company is positive for the accounting year preceding the bid closing date”.
- 4.0 In case, the bidder is an Indian Company/Indian joint venture Company, either the Indian Company/Indian Joint Venture Company or its technical collaborator/joint venture partner should meet the criteria laid down at Para 1.0 above. However, the Indian Company/ Indian joint venture Company must meet the financial turnover criteria as per Para 3.0 above.
- 5.0 Indian bidders quoting based on technical collaboration/joint venture, shall submit a Memorandum of Understanding/Agreement with their technical collaborator/joint venture partner clearly indicating their roles under the scope of work which shall also be addressed to OIL and shall remain valid and binding for the contract period under this tender.

NOTE: *In case the contract is awarded based on the bid submitted as per Clause 4.0 & 5.0, in order to meet the commitment from the Technical collaborator / Joint Venture partner - all key personnel above and including the rank of Driller shall be from the pay roll of the Technical collaborator / Joint Venture partner for the full duration of the project.*

- 6.0 Bidders who do not meet the criteria as stipulated in Para A.1.0 above of their own can also be considered, provided they are the 100% Subsidiary Company of a Parent Company, which meets aforesaid minimum criteria. In such cases, as the Subsidiary Company is dependent on the experience of Parent Company, the participating Vendor (100% subsidiary Company) should submit an agreement/Corporate Guarantee as per Attachments-I & II.

7.0 BIDS FROM CONSORTIUM:

In case, the bidder is a consortium of companies, the following requirement should be satisfied by the bidder:

- a. The Leader of the consortium should satisfy the minimum experience requirement as per Para 1.0 above.
- b. Consortium bids shall be submitted with a Memorandum of Understanding between the consortium members duly executed by the authorized Executives of the consortium members and Notarized must accompany the bid which

should clearly defining the role/scope of work of each partner/member and should clearly define the leader of consortium. Memorandum of Understanding (MOU) must also state that all the members of consortium shall be jointly and severally responsible for discharging all obligations under the Contract. However, the Leader of the Consortium must submit an undertaking along with the technical bid towards unconditional acceptance of full responsibility for executing the 'Scope of Work' of this bid document. In case of award, such MOU shall be kept valid through the entire contract period, including extensions, if any. The following provisions should also be incorporated in the MOU executed by the members of the Consortium:

- i) Only the Leader of the consortium shall buy the bid document and submit bid on behalf of the consortium. The other members of the Consortium shall ratify all the acts and decisions of the Leader of Consortium, which are taken in connection with and/or during the evaluation of the tender and execution of the contract.
- ii) The Bid Security shall be in the name of the Leader of the consortium on behalf of consortium with specific reference to consortium bid and name & address of consortium members. Similarly, the Performance Security shall be in the name of the Leader on behalf of the consortium.
- iii) The leader of the consortium on behalf of the consortium shall coordinate with OIL during the period the bid is under evaluation as well as during the execution of works in the event contract is awarded and he shall also be responsible for resolving dispute/ misunderstanding/undefined activities, if any, amongst all the consortium members.
- iv) Any correspondence exchanged with the leader of consortium shall be binding on all the consortium/joint venture members.
- v) Payment shall be made by OIL only to the leader of the consortium towards fulfilment of contract obligations.
- vi) In case of Consortium bids, the bid shall be digitally signed by the leader of Consortium. The Power of Attorney from each member authorising the leader for signing and submission of Bid on behalf of individual member must accompany the Bid offer.
- vii) Documents/details submitted with the bidding document pertaining to qualification must be furnished by each partner/member of consortium should be complete in all respects clearly bringing up their experience, especially in the form of work in their scope.
- viii) Signing of Contract: In the event of award of contract to the consortium, the contract to be signed by the members of the consortium and the liability of each one of them shall be jointly and severally.
- ix) Members of the consortium are not allowed to quote separately/independently against this tender. All the bids received in such case will be summarily rejected. Further, all bids from parties with technical support from the same Principal will be rejected.

8.0 **DRILLING RIG:**

- 8.1 The bidder shall be in possession of the rig(s) offered (with Top Drive) either owned or leased. In case the bidder is not in possession of the rig at the time of submission of bid, they may offer a rig for which they have an agreement for lease/buy.

8.2 **Identification of rig:**

- i) Bidders are required to identify the rigs at the time of submission of bid with documentary proof thereof, confirming availability of the rig for this contract. **At the time of submission of the bid the bidder should possess the Rig readily available for early mobilisation. Bidder shall not quote for any New Rig to eliminate mobilisation delay.**
- ii) In case the owner of the rig himself is the bidder, the certificate confirming availability of the rig for this contract, shall be furnished by the owner himself.
- iii) In case of leased rig (*Sub Leased Rig will not be accepted*), the bidders who do not own the Rig at the time of submission of bid, are required to submit along with the un-priced bid, i.e. Technical bid, the original Memorandum of Understanding/Agreement of lease concluded with the owner of the rig, specifically for this tender, with documentary proof of ownership of the rig in the form of registration certificate of the rig. In case of leased rig, the successful bidder shall be required to keep the MOU/Agreement valid for the period of contract and any extension thereof.
- iv) In case of purchase of rig other than brand new, Memorandum of Understanding/Agreement with the seller of the Rig has to be submitted. The above MOU/Agreement must be valid through the validity of the bid. However, in this case, the Rig has to satisfy the vintage clause and the Mobilization schedule as per the tender.
- v) The Bidder shall identify the rigs giving complete technical details for evaluation along with copy of MOU/Agreement for this tender. Bidders will have to mobilise the rig out of the identified rigs, which are found acceptable to OIL. Offer beyond three rigs will not be considered for evaluation. Rigs without top drive will not be considered for evaluation.
- vi) Offers with identified Rigs but with the condition "subject to availability" may be considered for techno-commercial evaluation. The bidders, however, shall have to confirm the availability of the rig(s), at least **three** days prior to the date of opening of price bids. The date of opening of price bids will be intimated to the bidder separately. Bidders who fail to confirm availability of rig will not be considered for opening of price bids and would not be considered for award of contract also.
- vii) Subject to Clause No. 8.2 (v) above, bidder would not be allowed to substitute the rig once offered by them in their bid during the period of bid validity. If more than one rig is offered by a bidder, all the rigs would be techno-commercially evaluated. The bidder can mobilise any one of the rigs found techno-commercially acceptable by OIL but the name of the rig to be mobilised by the bidder would have to be furnished by them within

15 days of issue of letter of award and these 15 days shall be within **150 days of mobilization time** as specified in this tender.

8.3 The horsepower rating of the rig(s) offered should be minimum 3000 HP. Further the rig offered should be Diesel Electric/ACVFD, having self elevating mast and sub-structure (as per API standard) and also suitable for drilling cluster location (1 + 3 Wells). The detail of the rig is given in Section-II of the Bid Document. Spacing between wells at surface on a cluster well plinth is a maximum of 18m. Bidders must confirm compliance to the same.

8.4 The offered Rig should not be more than 15(fifteen) years old as on the original bid closing date of the tender. Bidders must submit the certificate of manufacture from the Rig manufacturer.

Further, the drilling unit offered should have a residual life of at least 7 years as on the original bid closing date of the tender. The bidder's declaration on the present condition of the offered drilling unit and its residual life along with a certificate issued by an international inspection and certification agency listed in Para 8.5 below to this effect should be submitted along with the bid. The certificate should clearly indicate the residual life broadly of the mast, all engines, draw-works, rotating system, hoisting system, mud pumps, tackle system, BOPs, service engine and pump, motors etc. 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 opening. In case offer is made for a brand new rig, the certificate for residual life is not required.

8.5 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) DNV
- (b) ABS
- (c) BV
- (d) LLOYDS REGISTER
- (e) Oilfield Audit Services

8.6 The rig should be capable of drilling wells, fulfilling "Scope of Work" and conforming to the technical specification as laid down in the bid document.

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

8.8 Bidder has to confirm mobilization of the Drilling Rig within **150 days** from the date of issuance of Mobilization notice after issuance of Letter of Award (LOA). Offers indicating mobilization time more than **150 days** from the date of issuance of mobilization notice will be rejected.

9.0 The bidder must confirm to provide the key personnel with requisite experience and qualification as specified in Section-II (Terms of Reference).

10.0 The Bidder must confirm to provide complete rig package as specified under Section-II of the Bid Document failing which, the bid will be rejected.

11.0 The Vendor/Contractor/Service Provider who were banned/put on holiday list in the last 7(seven) years, reckoned from the date of publication of this Tender by any E&P companies operating in India and could not complete the mobilization obligations within the stipulated period as entered into the contracts will not be considered for this tender. ***An undertaking should be provided in this regard, to qualify against the tender.***

12.0 DOCUMENTS: Bidders must furnish the following documentary evidences in support of fulfilling all the above requirement:

- (a) Rig offered: documents relating to rig already in possession or propose to own/lease along with technical specifications/details.
- (b) Vintage and residual life of the offered rig as per Clause No. A.8.4 above.
- (c) Bidder must submit necessary documentary evidences as noted below in support of the technical experience under clauses A.1.0 above:
 - (i) Documentary evidence(s) in the form of relevant pages of the contract(s) executed showing detailed address(es) of client(s), scope of work /work order(s) / completion certificate(s) from client/payment certificate(s) issued by the client(s) or any other document(s) which can establish the technical experience under the above clause.
 - (ii) For certificates against A.1.0 (ii), in case the bidder is unable to provide documents for any reason(s), a declaration signed by the CEO / Holder of Power of Attorney on behalf of the bidder that the bidder has the experience of drilling minimum 05 wells with a Drilling rig of minimum 2000HP and out of which atleast 01 well is of 4500m+ (MD) as called for in this tender shall have to be submitted along with the bid.
 - (iii) Memorandum of Understanding/Agreement in support of tie-up arrangements along with the technical bid.

NOTE: 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.

- (d) MOU or legally acceptable documents in support of tie-up arrangements along with the technical bid.
- (e) In case any bidder is offering a 3000HP rig, which is available in India at the time of bid submission, the bidder has to submit with the bid, the following documents:
 - (i) Contract agreement signed with the client under which this rig was mobilized.

- (ii) An undertaking, which should be duly registered declaring that the Rig is free of encumbrance and not under any litigation in India/abroad. The undertaking should also cover the fact that the Rig has been imported with due certification from concerned authorities of Govt. of India.
 - (iii) Documents establishing the ownership of the Rig.
 - (iv) OIL & its JV partners in the block reserve the right to inspect the Rig before price bid opening in case the bid is technically accepted.
- 13.0 Bidder while submitting the documents in support of their experience vide Clause 1.0 above shall also submit details of experience and past performance or the collaborator (in case of collaboration) or of joint venture partner (in case of a joint venture), or Leader of the consortium (in case of Consortium bid) on works/jobs done of similar nature in the past along with the technical bid. Also, details of current work in hand and other contractual commitments of the bidder (indicating areas and clients) are to be submitted along with documentary experience in the technical bid in support of the experience laid down in Para 1.0 above.
- 14.0 Any party who is extending technical support by way of entering into technical collaboration with another party, shall not be allowed to submit an independent Bid against the tender and such bids shall be rejected straightway. Further, all bids from parties with technical collaboration support from the same Principal will be rejected.

NOTE: All Certificates and documentary evidences required to be submitted in support of Para A.1.0 and 3.6 above should be clearly legible and in the English language. If any certificate is submitted in a language other than English language, the same should be translated to English by a certified translator and submitted along with the bid. Illegible and incomplete certificates or documents or without English translation will not be considered for evaluation.

B. COMMERCIAL:

- 1.0 Bids shall be submitted under Single Stage Two Bid system i.e. Technical Bid and Priced Bid separately in the OIL's e-Tender portal. The Technical Bid is to be uploaded as per Scope of Work & Technical Specification of the tender in "Technical RFx Response" Tab and Priced Bid as per Proforma-B uploaded in the "Notes & Attachments" Tab. Bids shall be rejected outright if the prices are indicated in the technical bids under "Technical RFx Response" tab. Bids not conforming to this two bid system shall be rejected outright.
- 2.0 Bidder shall offer firm prices. Price quoted by the successful bidder must remain firm during the execution of the contract and not subject to variation on any account.
- 3.0 **Bids must be valid for 120 days.** Bids with shorter validity will be rejected as being non-responsive.
- 4.0 **Bid Security [Amount Rs.3.19 Crores or US \$ 4,59,200.00]** in Original shall be furnished as a part of the Technical Bid and shall reach OIL's CGM-Contract's office at Duliajan on or before 12.45 Hrs(IST) on the bid closing date. A scanned copy of the bid security shall however be uploaded in OIL's E-Procurement portal along with the Technical Bid. The amount of Bid Security shall be as specified in

- the Forwarding Letter of the Bid Document. Bid without proper & valid Bid Security will be rejected.
- 5.0 The Integrity Pact must be uploaded in OIL's E-Procurement portal along with the Technical Bid digitally signed by the same signatory who digitally signed the Bid i.e. who is duly authorized to sign the Bid.
- 6.0 Physical Bids, if any received from the bidders, shall not be considered and will be rejected.
- 7.0 Bids submitted after the Bid Closing Date and Time will be rejected.
- 8.0 Bids received through the e-procurement portal shall only be accepted. Bids received in any other form shall not be accepted.
- 9.0 The bid documents are non-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.
- 10.0 Bids shall be typed or written in indelible ink and shall be digitally signed by the bidder or his authorised representative.
- 11.0 Any physical documents wherever called for, 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 initialled by the person or persons who has/have digitally signed the Bid.
- 12.0 Any Bid containing false statement will be rejected.
- 13.0 Bidders must quote clearly and strictly in accordance with the price schedule outlined in "Price Bid Format" of Bid Document, otherwise the Bid will be summarily rejected.
- 14.0 Bidders shall quote directly and not through their Agent/ Representative/Retainer/Associate in India. Bids submitted by Indian Agent/ Representative/Retainer/Associate on behalf of their foreign principals will not be considered and will be rejected straightway. One Indian Agent/Representative/Retainer/Associate cannot represent more than one foreign principal.
- 15.0 Bidder must accept and comply with the following clauses as given in the Bid Document in toto failing which bid will be rejected:
- i) Performance Guarantee Clause
 - ii) Force Majeure Clause
 - iii) Tax Liabilities Clause
 - iv) Arbitration Clause
 - v) Acceptance of Jurisdiction and Applicable Law
 - vi) Liquidated damage and penalty clause
 - vii) Safety, Environment & Labour Law
 - viii) Termination Clause
 - ix) Integrity Pact
- 16.0 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.

C. GENERAL:

- 1.0 In case bidder takes exception to any clause of bid document not covered under BRC/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 and the Company reserves the right to ask the bidder for clarification in respect of bidders.
- 2.0 To ascertain the substantial responsiveness of the Bid the Company reserves the right to ask the bidder for clarifications in respect of clauses covered under BRC/BEC also and such clarifications fulfilling the BRC/BEC clauses in toto must be received on or before the deadline given by the Company, failing which the offer will be summarily rejected.
- 3.0 **If any of the clauses in the BRC/BEC contradict with other clauses of the Bid Document elsewhere, then the clauses in the BRC/BEC shall prevail.**

II. BID EVALUATION CRITERIA (BEC):

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

- 1.0 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.
- 2.0 For conversion of foreign currency into Indian currency for evaluation of Bids, B.C. selling (Market) rate declared by State Bank of India, one day prior to the date of priced bid opening shall be considered. However, if the time lag between the opening of the bids and final decision exceeds 3(three) months, then B.C. Selling (Market) rate of exchange declared by SBI on the date prior to the date of final decision shall be adopted for conversion and evaluation.
- 3.0 The contracts will be signed separately for Phase-I & Phase-II with the successful bidder. However, the bids will be evaluated considering both Phase I & II in total.
- 4.0 The rates towards Mobilisation, Demobilisation, Standby, Repair, Force Majeure/Fishing, Stack will be restricted to the limit indicated against each as under:
 - (a) Mobilization charges for the rig package shall not exceed 7.5% (seven and half percent) of one year contract cost including Mobilisation Charges. However, mobilization charges if quoted in excess of 7.5% of the one year contract cost (including mobilisation charge), the excess amount shall be paid at the end of the contract term of both phases.
 - (b) The Demobilization Charges should not be less than 2% (Two percent) of one year Contract Cost. and the deficit amount, if any shall be withheld from the

first invoice and the same will be paid at the end of the contract along with Demobilization charges.

- (c) Standby Day Rate should not exceed 90% (Ninety percent) of the Operating Day Rate (ODR).
- (d) Repair Day Rate should not exceed 60% (Sixty percent) of the Operating Day Rate (ODR).
- (e) Force Majeure Day Rate should not exceed 50% (Fifty percent) of Operating Day Rate (ODR).
- (f) Stack Day Rate should not exceed 50% (Fifty percent) of Operating Day Rate (ODR).

Note: The Bidder has to re-export the rigs after completion of the contract in case of imported rigs. The bidder will be fully responsible to pay the customs duty in case the rigs are taken by the Contractor to area where concessional customs duty benefit is not applicable. This is applicable in case OIL issues recommendatory letter for availing concessional customs duty for import of goods.

- 5.0 The quantities shown against each item in the "Price Bid Format (i.e. in Proforma-B)" shall be considered for the purpose of Bid Evaluation. It is, however, to be clearly understood that the assumptions made in respect of the number of days/ parameters 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.
- 6.0 The bidders must quote their charges / rates in the manner as called for vide "Schedule of Rates" under Section-IV and the summarized price schedule format vide enclosed Proforma-B.
- 7.0 To ascertain the inter-se-ranking, the comparison of the responsive bids will be made subject to loading for any deviation. Priced Bids shall be evaluated taking into account the rates quoted in the PRICE BID FORMAT as per Proforma-B.

TOTAL ESTIMATED CONTRACT COST FOR CHARTER HIRING OF THE 3000HP RIG PACKAGE FOR 4 YEARS INCLUDING ALL TAXES & DUTIES INCLUDING GST:

$$\mathbf{TRO = TM + TD + TOP + TILM0 + TILM1 + TILM2 + TML + GST (QUOTED)}$$

Where,

- i. TM = Total Mobilization Charges (i.e. M x 1)
- ii. TD = Total Demobilization Charges (i.e. D x 1)
- iii. TOP = Total Operating Charges (i.e. ODR x 1239 days)
- iv. TILM0 = Total ILM Charges for cluster locations (i.e. ILM0 x 3)
- v. TILM1 = Total ILM Charges for move upto 30 kms (i.e. ILM1 x 4)
- vi. TILM2 = Total Kilometre Charge in excess of 30 kms (i.e. ILM2 x 300)
- vii. TML = Total Extra Meal & Accommodation Charges (i.e. ML x 5000)

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

- 8.0 **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 @5% (BCD Nil & IGST @5%) subject to conditions specified therein (Condition No. 48). However, this is subject to change as per Government guidelines and the provisions ruling at the time of tender closing will be applicable.

Similarly, the domestic supply of such goods would attract 5% GST (i.e. IGST or CGST & SGST/UTSGT) on submission of EC in terms of GST Notification No. 03/2017.

- 9.0 **PURCHASE PREFERENCE CLAUSE for MSME:** Purchase Preference to Micro and Small Enterprises registered with District Industry Centres 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.
- 9.1 In case participating MSEs quote price within price band of L1+15%, such MSE shall be considered for award of contract by bringing down their price to L1 price in a situation where L1 price is from someone other than a MSE.
- 9.2 In case of more than one such MSE qualifying for 15% purchase preference, the contract shall be awarded to lowest eligible MSE amongst the MSEs qualifying for 15% purchase preference.
- 9.3 In case any part of the work is sub-contracted to a Micro or Small Enterprise as per contract conditions then the contractor shall provide complete details (i.e. name of the subcontractor, value of sub-contacted work, copy of valid registration certificate etc.) of the sub-contractor to OIL.
- 9.4 **Documentation required to be submitted by MSEs:** Copy of valid Registration Certificate, if bidder is a Micro or Small Enterprises (MSE) registered with District Industry Centres 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 Udyog Aadhaar Memorandum or any other body specified by Ministry of MSME. The Registration Certificate should clearly indicate the monetary limit, if any and the items for which bidder are registered with any of the aforesaid agencies. In case bidding MSE is owned by Schedule Caste or Schedule Tribe entrepreneur, valid documentary evidence issued by the agency who has registered the bidder as MSE owned by SC/ST entrepreneur should also be enclosed.

10.0 PURCHASE PREFERENCE POLICY-LINKED WITH LOCAL CONTENT (PP-LC):

Purchase preference policy-linked with Local Content (PP-LC) notified vide Letter No. FP-20013/2/2017-FP-PNG dated 07.10.2019 of MoP&NG shall be applicable in this tender.

- 10.1 Bidders seeking benefits, under Purchase Preference Policy (linked with Local Content) (PP-LC) shall have to comply with all the provisions specified at **Clause No. 37.0 of Part-1 (ITB)** and shall have to submit all undertakings / documents applicable for this policy”.

- 10.2 Where both MSE and PPLC bidder(s) are entitled to Purchase Preference and neither of them is L-1, eligible MSE(s) (in order of ranking among MSEs) shall get preference over eligible PPLC bidder(s) to match its rates with that of L-1 bidder. However, if eligible MSE(s) decline(s) to match down the price, then the eligible PPLC bidder(s) in order of ranking among themselves shall be given the opportunity to match down its price to the price of L-1 bidder.
- 10.3 When MSE is already L-1 in the tender evaluation, contract shall be straightway awarded to MSE, without considering any Purchase Preference for PPLC bidder.
- 10.4 In case L-1 bidder is a PP-LC bidder, purchase preference shall be resorted to MSE bidder as per 'PPP for MSE-Order 2012'.
- 10.5 In case of participation of MSE and LC vendor against the tender, MSE vendor will be given preference over LC bidder to match with L1 bidder as per Public Procurement Policy. MSE vendor will be evaluated with 15% PP and LC vendor will be evaluated with 10% PP as MSE vendor does not have Local Content conditions as per Public Procurement Policy and the PP-LC policy is not applicable for DMEP and MSME.
- 11.0 **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 of the provisions of the Act shall attract penal action under the Act.

END OF BRC/BEC

&&&&

Part-3
SECTION-I
GENERAL CONDITIONS OF CONTRACT

1.0 DEFINITIONS:

1.1 In the contract, the following terms shall be interpreted as indicated:

- (a) "The Contract" means agreement entered into between Company and Contractor, as recorded in the contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein;
- (b) "The Contract Price" means the price payable to Contractor under the contract for the full and proper performance of its contractual obligations;
- (c) "The Work" means each and every activity required for the successful performance of the services described in Section-II, the Terms of Reference.
- (d) "Company" or "OIL" means Oil India Limited;
- (e) "Contractor" means the Contractor performing the work under this Contract.
- (f) "Contractor's Personnel" means the personnel to be provided by the Contractor to provide services as per the contract.
- (g) "Company's Personnel" means the personnel to be provided by OIL or OIL's Contractor (other than the Contractor executing the Contract). The Company representatives of OIL are also included in the Company's personnel.
- (h) "Gross Negligence" means 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 wanton 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.
- (i) "Wilful Misconduct" means 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.

2.0 EFFECTIVE DATE, MOBILISATION TIME, DATE OF COMMENCEMENT OF THE CONTRACT AND DURATION OF CONTRACT:

2.1 **EFFECTIVE DATE:** The contract shall become effective as of the date Company notifies Contractor in writing (through Letter of Award) that it has been awarded the contract. Such date of notification of award of Contract will be the Effective Date of Contract.

2.2 **MOBILISATION TIME:** The mobilization of equipment, personnel etc. should be completed by Contractor within **150 days** from the date of Mobilisation notice issued by the Company. Mobilization shall be deemed to be completed when Contractor's equipment and manpower are placed at the nominated location in readiness to commence Work as envisaged under the Contract duly certified by the Company's authorized representative.

- 2.3 **DATE OF COMMENCEMENT OF OPERATION:** The date on which the mobilization is completed in all respects is treated as date of Commencement of Operation.
- 2.4 **DURATION OF CONTRACT:** The Contract shall be initially valid for a period of Four (4) years from the date of Commencement of operation. However, Company reserves the option for extension of the contract duration by another one (1) year or part thereof on same terms & conditions and mutually agreed rates but not higher than the original rate(s) of the Contract. Notwithstanding the date of contractual expiry as above, if drilling operation is in progress in a particular well and validity of contract expires, it will be obligatory on the part of the Contractor to provide the Services as usual till completion/abandonment of that particular well, unless specifically directed otherwise by the Company in writing.
- 3.0 **GENERAL OBLIGATIONS OF CONTRACTOR:** Contractor shall, in accordance with and subject to the terms and conditions of this Contract:
- 3.1 Perform the work described in the Terms of Reference (Section-II) in most economic and cost effective manner.
- 3.2 Except as otherwise provided in the Terms of Reference and the special Conditions of the contract provide all personnel as required to perform the work.
- 3.3 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.
- 3.4 Contractor shall be deemed to have satisfied himself before submitting his 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.
- 3.5 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.
- 4.0 **GENERAL OBLIGATIONS OF THE COMPANY:** Company shall, in accordance with and subject to the terms and conditions of this contract:
- 4.1 Pay Contractor in accordance with terms and conditions of the contract.
- 4.2 Allow Contractor and his personnel access, subject to normal security and safety procedures, to all areas as required for orderly performance of the work.
- 4.3 Perform all other obligations required of Company by the terms of the contract.
- 5.0 **PERSONNEL TO BE DEPLOYED BY CONTRACTOR:**
- 5.1 Contractor warrants that they will provide competent, qualified and sufficiently experienced personnel to perform the work correctly and efficiently and shall ensure that such personnel observe applicable Company and statutory safety requirement. Upon Company's written request, Contractor, entirely at their own expense, shall remove immediately, from assignment to the work, any personnel of the Contractor determined by the Company to be unsuitable and shall promptly

replace such personnel with personnel acceptable to the Company without affecting Company's work.

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

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

6.0 **WARRANTY AND REMEDY OF DEFECTS:**

6.1 Contractor warrants that they shall perform the work in a first class, workmanlike, and professional manner and in accordance with the highest degree of quality, efficiency and current state of the art technology/oil field 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.

6.2 Should Company discover at any time during the tenure of the Contract or within 3(three) months after completion of the operations 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 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.

7.0 **CONFIDENTIALITY, USE OF CONTRACT DOCUMENTS AND INFORMATION:**

7.1 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 so far, 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:

- (a) which is 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) which is 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.

7.2 Contractor shall not, without Company's prior written consent, make use of any document or information except for purposes of performing the contract.

- 7.3 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.
- 7.4 During this 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 shall be 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.
- 7.5 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;
- 8.0 **TAXES:**
- 8.1 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.
- 8.2 Contractor shall be responsible for payment of personal taxes, if any, for all the personnel deployed in India by Contractor.
- 8.3 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.
- 8.4 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.
- 8.5 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.

8.6 Corporate and personnel taxes on Contractor shall be the liability of the Contractor and the Company shall not assume any responsibility on this account.

8.7 All local taxes, levies and duties, sales tax, octroi, etc. on purchases and sales made by Contractor (except customs duty) shall be borne by the Contractor.

9.0 **GOODS AND SERVICES TAX**

9.1 **GENERAL REMARKS ON TAXES & DUTIES:**

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.

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

9.3 “**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.

9.4 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.

9.5 Bidder should also mention the **Harmonised System of Nomenclature (HSN)** and **Service Accounting Codes (SAC)** at the designated place in SOR.

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

9.6.1 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.

- 9.6.2 The input tax credit of **GST** quoted shall be considered for evaluation of bids, as per evaluation criteria of tender document.
- 9.7 **Where the OIL is not entitled to avail/take the full input tax credit of GST:**
- 9.7.1 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.
- 9.7.2 The bids will be evaluated based on total price including **GST**.
- 9.8 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.
- 9.9 Contractor/vendor 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 / vendor 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.
- 9.10 **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/vendor, OIL shall withhold the payment of **GST**.
- 9.11 **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/vendor but will be directly deposited to the government by OIL.
- 9.12 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.
- 9.13 Notwithstanding anything contained anywhere in the Agreement, in the event that the input tax credit of the **GST** charged by the Contractor / Vendor is denied by the tax authorities to OIL for reasons attributable to Contractor / Vendor, OIL shall be entitled to recover such amount from the Contractor / Vendor 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.
- 9.14 TDS under GST, if applicable, shall be deducted from contractor's/vendor's bill at applicable rate and a certificate as per rules for tax so deducted shall be provided to the contractor/vendor.
- 9.15 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.

- 9.16 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.
- 9.17 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.
- 9.18 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.
- 9.19 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.
- 9.20 GST liability, if any on account of supply of free samples against any tender shall be to bidder's account.
- 9.21 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.

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.

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.

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.

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

- 9.22 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.

- 9.23 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.
- 9.24 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.
- 9.25 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.
- 9.26 **Documentation requirement for GST**
The vendor 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;
 - 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
- a) The original copy being marked as ORIGINAL FOR RECIPIENT;
 - b) The duplicate copy being marked as DUPLICATE FOR TRANSPORTER and
 - c) 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.

9.27 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.

- 9.27.1 In case the GST rating of vendor 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 vendor and shall also be entitled to deduct / recover such GST along with all penalties / interest, if any, incurred by OIL.

10.0 INSURANCE:

- 10.1 The Contractor shall arrange insurance to cover all risks in respect of their personnel, materials and equipment belonging to the Contractor or its subcontractor during the currency of the contract including the third party items/consumables. For materials/equipment belong to the Contractor or its subcontractor, Contractor may self-insure the same.
- 10.2 Contractor shall at all time during the currency of the contract provide, pay for and maintain the following insurance amongst others:
- a) Workmen compensation insurance as required by the laws of the country of origin of the employee.
 - b) Employer's Liability Insurance as required by law in the country of origin of employee.
 - c) General Public Liability Insurance or Comprehensive General 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.
 - d) Contractor's equipment used for execution of the work hereunder shall have an insurance cover with a suitable limit (as per international standards).
 - e) 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 as governed by Indian Insurance regulations.
 - f) Public Liability Insurance as required under Public Liability Insurance Act 1991.
- 10.3 Any deductible set forth in any of the above insurance shall be borne by Contractor.
- 10.4 Contractor shall furnish to Company prior to commencement date, certificates of all its insurance policies covering the risks mentioned above.

- 10.5 If any of the above policies expire or are cancelled during the term of this contract and Contractor fails for any reason to renew such policies, then the Company will renew/replace same and charge the cost thereof to Contractor. Should there be a lapse in any insurance required to be carried out by the Contractor for any reason whatsoever, loss/damage claims resulting there from shall be to the sole account of Contractor.
- 10.6 Contractor shall require all of his 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.
- 10.7 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.
- 10.8 Contractor shall obtain additional insurance or revise the limits of existing insurance as per Company's request in which case additional cost shall be to Contractor's account.
- 11.0 **CHANGES:**
- 11.1 During the performance of the work, Company may make minor change to take care of any supplementary work within the general scope of this Contract including, but not limited to, changes in methodology, and minor additions to or deletions from the work to be performed. Contractor shall perform the work as changed. Changes of this nature will be affected by written order by the Company.
- 11.2 If any change result in an increase in compensation due to Contractor or in a credit due to Company, Contractor shall submit to Company an estimate of the amount of such compensation or credit in a form prescribed by Company. Such estimates shall be based on the rates shown in the Schedule of Rates (Section-IV). Upon review of Contractor's estimate, Contractor shall establish and set forth in the Change Order the amount of the compensation or credit for the change or a basis for determining a reasonable compensation or credit for the change. If Contractor disagrees with compensation or credit set forth in the Change Order, Contractor shall nevertheless perform the work as changed, and the parties will resolve the dispute in accordance with Clause 14 hereunder. Contractor's performance of the work as changed will not prejudice Contractor's request for additional compensation for work performed under the Change Order.
- 12.0 **FORCE MAJEURE:**
- 12.1 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 for the period during which such cause lasts. The word 'Force Majeure' as employed herein shall mean acts of God, war, revolt, agitation, strikes, riot, fire, flood, sabotage, civil commotion, road barricade (but not due to interference of employment problem of the Contractor), acts of government of the two parties, which makes performance impossible or impracticable and any other cause, whether of kind herein enumerated or otherwise which are not within the control of the party to the contract and which renders performance of the contract by the said party impossible.

- 12.2 Upon occurrence of such cause and upon its termination, the party alleging that it has been rendered unable as aforesaid thereby, shall notify the other party in writing within Seventy Two (72) hours of the alleged beginning and ending thereof, giving full particulars and satisfactory evidence in support of its claim.
- 12.3 Should 'force majeure' condition as stated above occurs and should the same be notified within seventy two (72) hours after its occurrence the 'force majeure rate' shall apply for the first ten days. Either party will have the right to terminate the contract if such 'force majeure' condition continues beyond fifteen (15) days with prior written notice. Should either party decide not to terminate the contract even under such condition, no payment would apply after expiry of fifteen (15) days period unless otherwise agreed to. Time for performance of the relative obligation suspended by the 'Force Majeure' shall then stand extended by the period for which such cause lasts.
- 13.0 **TERMINATION:**
- 13.1 **TERMINATION ON EXPIRY OF THE TERMS (DURATION):** This contract shall be deemed to have been automatically terminated on the expiry of duration of the contract, thereof.
- 13.2 **TERMINATION ON ACCOUNT OF FORCE MAJEURE:** Either party shall have the right to terminate this Contract on account of Force Majeure as set forth in Article 12.0 above.
- 13.3 **TERMINATION ON ACCOUNT OF INSOLVENCY:** In the event that the Contractor or its collaborator 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, 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.
- 13.4 **TERMINATION FOR UNSATISFACTORY PERFORMANCE:** If the Company considers that, the performance of the Contractor is unsatisfactory, or not upto the expected standard, the Company shall notify the Contractor in writing and specify in details the cause of the 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.
- 13.5 **TERMINATION DUE TO CHANGE OF OWNERSHIP & 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 consent, the Company may at its absolute discretion, terminate this Contract.
- 13.6 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 entirety 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.
- 13.7 Deleted

13.8 **CONSEQUENCES 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.

13.9 Upon termination of this Contract, Contractor shall return to Company all of Company's items, which are at the time in Contractor's possession.

13.10 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.

14.0 **SETTLEMENT OF DISPUTES AND ARBITRATION:**

14.1 **Arbitration (Applicable for Suppliers/Contractors other than PSU):**

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, the same shall be referred to Arbitration as provided hereunder:

1. A party wishing to commence arbitration proceeding shall invoke 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.

2. The number of arbitrators and the appointing authority will be as under:

Claim amount (excluding claim for interest and counter claim, if any)	Number of Arbitrator	Appointing Authority
Upto Rs. 10 Crore	Sole Arbitrator	OIL
Above Rs. 10 Crore	3 Arbitrators	One Arbitrator by each party and the 3 rd Arbitrator, who shall be the presiding Arbitrator, by the two Arbitrators.

3. 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.

4. 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.

5. Parties agree 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.
6. The arbitral tribunal shall complete the proceedings, make and publish the award within time stipulated in the Arbitration and Conciliation Act, 1996(as amended)
7. 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:
 - (i) **20%of the fees if the claimant has not submitted statement of claim.**
 - (ii) **40% of the fees if the pleadings are complete**
 - (iii) **60% of the fees if the hearing has commenced.**
 - (iv) **80% of the fees if the hearing is concluded but the award is yet to be passed.**
8. 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/stay arrangements of the Presiding Arbitrator and the expenses incurred shall be shared equally by the parties.

In case of sole arbitrator, both parties shall equally share all expenditures that may be required to be incurred.

The fees and other administrative/secretarial expenses of the arbitrator(s) shall be paid in terms of the Act and such expenses shall be equally borne by the parties.
9. The Place of Arbitration shall be Guwahati or the place where the contract is executed. The venue of the arbitration shall be decided by the Arbitrator(s) in discussion with the parties. The cost of arbitration sittings shall be equally borne by the parties.
10. The Arbitrator(s) shall give reasoned and speaking award and it shall be final and binding on the parties.
11. Subject to aforesaid, provisions of the Arbitration and Conciliation Act, 1996 and any statutory modifications or re-enactment thereof shall apply to the arbitration proceedings under this clause.

14.2 Arbitration (applicable in case of Contract awarded on Public Sector Enterprise):

In the event of any dispute or difference relating to, arising from or connected with the Contract, such dispute or difference shall be referred by either party to the arbitration of one of the Arbitrators in the Department of Public Enterprises, to be nominated by the Secretary to the Government of India, In-Charge of the

Bureau of Public Enterprises. The Arbitration and Conciliation Act 1996 shall not be applicable to the Arbitration under this clause. The award of the Arbitrator shall be binding upon the parties to the dispute, provided however, any party aggrieved by such award may make a further reference for setting aside or revision of the award to the Law Secretary, Deptt. of Legal Affairs, Ministry of Law and Justice, Government of India. Upon such reference, the dispute shall be decided by the Law Secretary or the Special Secretary/Additional Secretary, 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.

The place of arbitrations will be New Delhi. The award made in pursuance thereof shall be binding on the parties.

15.0 NOTICES:

15.1 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:

- | | |
|--|--|
| <u>Company</u> | |
| a) <u>For contractual matters</u> | b) <u>For technical matters</u> |
| CGM (Contracts) | Chief General Manager (DS) |
| OIL INDIA LIMITED | OIL INDIA LIMITED |
| PO DULIAJAN - 786602 | PO Duliajan - 786602, |
| ASSAM, INDIA | Assam, India |
| Fax No. 91-374-2803549 | Fax No. 91-374-2804254 |
| Email: contracts@oilindia.in | Email: drilling@oilindia.in |
|
c) <u>Contractor</u> | |
| _____ | |
| _____ | |
| Fax No.: | |

15.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

16.0 SUBCONTRACTING/ASSIGNMENT:

16.1 Contractor shall not subcontract, transfer or assign the contract, in full 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 approval. However, Contractor shall be fully responsible for complete execution and performance of the services under the Contract.

16.2 If against an order placed by OIL, 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.

17.0 **MISCELLANEOUS PROVISIONS:**

- 17.1 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.
- 17.2 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.
- 17.3 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.
- 17.4 Key personnel cannot be changed during the tenure of the Contract except due to sickness/death/resignation of the personnel in which case the replaced person should have equal experience and qualification, which will be again subject to approval, by the Company.

18.0 **LIQUIDATED DAMAGES FOR DEFAULT IN TIMELY MOBILISATION:**

- 18.1 Time is the essence of this Contract. In the event of the Contractor's default in timely mobilization for commencement of operations within the stipulated period, the Contractor shall be liable to pay liquidated damages @ 0.5% (half percent) of total contract value per week or part thereof of delay subject to maximum of 7.5% (seven & half percent). Liquidated Damages will be reckoned from the date after expiry of the scheduled mobilisation period till the date of commencement of Contract as defined in Clause No. 2.0 of Section-I of Part-3.
- 18.2 If the Contractor fails to mobilise within 15 weeks after the stipulated date, then the Company reserves the right to cancel the Contract without any compensation whatsoever.
- 18.3 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/breach on the part of the Contractor and the said amount will be payable without proof of actual loss or damage caused by such delay/breach and without any demur and shall not be open for any dispute whatsoever.
- 19.0 **PERFORMANCE SECURITY:** The Contractor shall furnish to Company a Bank Guarantee amounted to 10 % of annualized estimated Contract Price with validity of 3(three) months beyond the contract period towards performance security. 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. In

the event of extension of the Contract period, the validity of the bank guarantee shall be suitably extended by the Contractor.

- 20.0 **ASSOCIATION OF COMPANY'S PERSONNEL:** Company's engineer/chemist will be associated with the work throughout the operations. The Contractor shall execute the work with professional competence and in an efficient and workman like manner and provide Company with a standard of work customarily provided by reputed IP Survey Contractors to major international oil companies in the petroleum industry.
- 21.0 **LABOUR:** The recruitment of the labour shall be met from the areas of operation and wages will be according to the rates prevalent at the time which can be obtained from the District Authorities of the area. The facilities to be given to the labourers should conform to the provisions of labour laws as per contract Labour (Regulation and Abolition) Act, 1970.
- 22.0 **LIABILITY:**
- 22.1 Except as otherwise expressly provided, 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. 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.
- 22.2 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.
- 22.3 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.
- 22.4 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.
- 22.5 Except as otherwise expressly provided, 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.

- 22.6 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.
- 22.7 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.
- 22.8 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.

23.0 **INDEMNITY AGREEMENT:**

- 23.1 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 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.
- 23.2 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 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.
- 24.0 **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.

- 25.0 **SET-OFF**: Any sum of money due and payable to the Contractor (including Performance Security refundable to them) under this or any other Contract 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).
- 26.0 **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:
- a) For non-completion of jobs assigned as per Section-II.
 - b) Contractor's indebtedness arising out of execution of this Contract.
 - c) Defective work not remedied by Contractor.
 - d) Claims by sub-Contractor of Contractor or others filed or on the basis of reasonable evidence indicating probable filing of such claims against Contractor.
 - e) Failure of Contractor to pay or provide for the payment of salaries/ wages, contributions, unemployment compensation, taxes or enforced savings withheld from wages etc.
 - f) Failure of Contractor to pay the cost of removal of unnecessary debris, materials, tools, or machinery.
 - g) Damage to another Contractor of Company.
 - h) All claims against Contractor for damages and injuries, and/or for non-payment of bills etc.
 - i) 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 Company, 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.

Withholding will also be effected on account of the following:

- i) Order issued by a Court of Law 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 shall be removed, payment shall thereafter be made for amounts so with-hold.

Notwithstanding the foregoing, the right of Company to withhold shall be limited to damages, claims and failure on the part of Contractor, which is directly/indirectly related to some negligent act or omission on the part of Contractor.

27.0 **APPLICABLE LAW**:

- 27.1 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 exclusive jurisdiction of Courts situated in Dibrugarh/Guwahati.

27.2 The Contractor shall ensure full compliance of various Indian Laws and Statutory Regulations, 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- as applicable to safety and employment conditions
- b) The Minimum Wages Act, 1948
- c) The Oil Mines Regulations, 2017
- d) The Workmen's Compensation Act, 1923
- e) The Payment of Wages Act, 1963
- f) The Payment of Bonus Act, 1965
- g) The Contract Labour (Regulation & Abolition) Act, 1970 and the rules framed there under
- h) The Employees Pension Scheme, 1995
- i) The Interstate Migrant Workmen Act., 1979 (Regulation of employment and conditions of service)
- j) The Employees Provident Fund and Miscellaneous Provisions Act, 1952
- k) GST Act
- l) Customs Act & Rules
- m) State Entry Tax Act
- n) OISD guidelines & procedures
- o) DGMS (India) Guidelines / Notifications.
- p) Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010
- q) The Environmental Protection Act, 1986
- r) MoEF & CC and CPCB guidelines
- s) Hazardous waste management and handling Rules
- t) Water (prevention & control of Pollution) Act, 1974
- u) Air (prevention & control of Pollution) Act, 1981
- v) State Pollution Control Guidelines
- w) Conditions of Environmental Clearance

28.0 **RECORDS, REPORTS AND INSPECTION:** The Contractor shall, at all times, permit the Company and its authorised 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 IP survey section with major items consumed, which shall be open at all reasonable times for inspection by the Company designated representatives and its authorised employees and representatives. The Contractor shall provide the Company 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 IP survey 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 survey, or give out to any third person information in connection therewith.

29.0 **SUBSEQUENTLY ENACTED LAWS:** Subsequent to the date of bid closing, if there is a change in or enactment of any law or change in application or enforcement or interpretation of existing law by any governmental authority or public body, which results in addition/ reduction in cost to Contractor on account of the operation contemplated under the Contract, the Company/Contractor shall reimburse the Contractor/pay Company for such additional/reduced costs actually incurred/saved by Contractor, subject to the submission of documentary evidence by Contractor/Company.

- 30.0 **ROYALTY AND 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 or drawings forming part thereof.
- 31.0 **WAIVER**: Any delay in exercising and any omission to exercise any right, power or remedy exercisable by the Company under this contract shall not impair such right, power or remedy nor shall any waiver by the Company of any breach by the Contractor of any provision of this contract prevent the subsequent enforcement of that provision by the Company or be deemed a waiver by the Company of any subsequent breach by the Contractor.
- 32.0 **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.

END OF SECTION – I

&&&&

Part-3
SECTION-II
TERMS OF REFERENCE / TECHNICAL SPECIFICATIONS

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 AREA OF OPERATION & DEFINATION OF WORK:

The Rig package under the contract shall be deployed mainly in Dibru-Saikhuwa and other areas of Tinsukia/Dibrugarh districts of Assam and some parts of Arunachal Pradesh. In Dibru-Saikhuwa area approximately 7(seven) highly deviated ERD (Extended Reach Drilling) wells with an average displacement of 2500+ Metre and TVD (True Vertical Depth) of 4000m-4500m (approx.) are planned to be drilled. In addition to that, few ultra-deep wells (depths ranging up to 6500 m) are also being planned to be drilled in those areas.

2.1 Tentative specifications of a typical ultra-deep well at these areas (subject to changes):

The well shall be a straight vertical hole wild cat drilling with **formation pressure to be near hydrostatic**. The Well depth is expected to be around 6500 meters.

Anticipated Temperature Profile: The maximum bottom hole temperature at 6450 m is expected to be between 117 to 130 Deg. Centigrade.

PRESENCE OF CO₂ & H₂S: The wells are presumed to be CO₂ & H₂S free.

Proposed Casing Program, (subject to change):

Casing / Liner					Hole Size	Depth (meters)	
Size	Type	Wt. (ppf)	Grade	Connection		From	To
30"	Conductor	TBA	X-46	Vetco ATD	36"	0	30
20"	Surface	118.5	J-55	TSH ER (CT)	26"	0	500
16"	Intermediate	84	P-110	Dino VAM	17½" x 20" (UR)	0	2000
11¾"	Intermediate	65	P-110	Wedge 513	14¾"	0	4500
9⅝"	Production (Liner + Tie-back)	53.5	P-110	VAM SLIJ-II	10⅝" x 12¼" (UR)	0	6130
					Liner 4400 to 6130 and Tie-back 0-4400		
7"	Production (Liner)	29	P-110	Premium	8½"	6030	6450

Note: Contingency plan – In case of any unforeseen circumstances with problem in completing the well with 7" production liner to target depth

then the well will be completed by running 5" (15 ppf x P-110 x flush joint premium) liner in 6" hole (hanged to 7" liner).

Details of subsequent wells, if needed to be drilled, will be provided nearer the time of drilling.

2.2 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 = 3.75 m.
- b) Turning Radius = 20 m (Generally), 15 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 top soil: 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: 98% maximum

3.0 **SCOPE OF SERVICE:**

The Contractor shall provide the services of 01 (One) No. of 3000 HP capacity Diesel Electric Rig Package (AC-SCR or AC-VFD) with Top Drive and 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. The Contractor shall provide a proper and adequate Effluent Treatment Plant (ETP)/System along with its operator(s) with the Rig package for effluent management (solid or 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 Contractor shall also provide spares for the entire rig package, tools and equipment, required for vertical and/or deviation drilling operations, fuel (HSD) for running the operations, Lubricant and shall carry out drilling with tools & expert supplied by the contractor. The contractor 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. Company 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.

- 3.1 Bit programme, mud programme, casing policy, well programme will be decided and provided by the Company.

4.0 CONTRACTOR'S EQUIPMENT:

SPECIFICATIONS OF DRILLING RIG PACKAGE: The technical specifications of the drilling rig package to be provided by the Contractor under this tender/contract are given below:

4.1 GROUP – I

A) MAST AND SUBSTRUCTURE:

“Swing lift” cantilever type self-elevating mast & 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 100 mph wind load capacity with a full rack of pipe and 115 mph on a bare mast. The Sub-structure accommodating the cantilever type mast should have minimum setback load capacity of 800,000 (363 MT) simultaneously with hook load &/or rotary load capacity of minimum 1,500,000 lbs. (680 MT).

Self-elevating or Box-on-Box type sub-structure should have a minimum floor height of 335 ft. (10.06 m) from ground level with at least 28 ft. (8.53 m) clear height under rotary beams. Substructure should be suitable to accommodate a 3000HP (minimum) electrical powered draw-works and 37.1/2” rotary table with independent drive unit.

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.

- i. The mast shall have a racking platform for racking 6500 mtrs. of combination string of 5⁷/₈ inch OD, 5¹/₂ inch OD, 5 inch OD, 4 inch OD & 2⁷/₈ inch OD range-2 drill pipes & heavy weight drill pipes in tribbles and Six stands (in tribbles) of Drill collars (i.e. 3¹/₂ inch to 9¹/₂ inch OD).
- ii. The Racking board (Monkey board / tribbles board) shall be adjustable type and complete with suitable & effective emergency escape device (from racking board to ground). Escape device should have a seat and a suitable braking system.
- iii. The mast shall be complete with catline booms (two boom kits designed to support 5,000 lbs load) and all required sheaves with lines but not limited to catline, out line, air hoist lines(2), rig tong lines (2), power tong / pipe spinner lines, tong counter weights lines (incl. guides & snatch block), survey line, etc.
- iv. The mast should be complete with one Belly Board i.e. tubing support frame without fingers.
- v. The mast shall be complete with dual stand pipe clamp.
- vi. The mast shall be complete with one air/electric powered countered balanced adjustable casing stabbing board for running casings in length range 2 &/or 3 respectively.

- vii. 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 and equipped with fall arrestor).
- viii. The Sub-structure shall be complete with tong back-up posts for rig tongs.
- ix. The Sub-structure shall be complete with two flight stairways one at driller's side and other at off driller's side.
- x. The Mast shall be complete with suitable 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 1-5/8" or 1-1/2" drilling line (for rigging up 16 lines) and all required pedestals with appropriate sheave units for different lines such as catline, outline, air hoist line, survey line/sand line, etc. The crown block assembly should be complete with one 50 MT capacity hanging pad eye for hanging the traveling block (during slipping the drill/casing line) with suitable wire line, shackles, etc. of appropriate length.
- xi. 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 (provision for making doubles at rack & hoisting the same with T/Block to be kept).
- xii. The mast & sub-structure shall be complete with grass hopper type cable rack suitable for elevating with rear floor.
- xiii. 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.
- xiv. The derrick floor, racking board, belly board & crown platform shall be complete in all respects and provided with suitable toe boards and safety railings.
- xv. The mast should be complete with provisions for installation of 750 Ton rated capacity portable Electric Top Drive System.
- xvi. The sub-structure should be complete with mounting pedestals for air winches, openings for rat and mouse hole assemblies.
- xvii. The sub-structure should be complete with suitable capacity deadline anchor designed as per API Spec. 8C & suitable for use with 1-5/8" or 1-1/2" casing / drilling line.
- xviii. **BOP TROLLEY BEAMS & BOP HANDLING SYSTEM** - One (1) set of BOP trolley beams designed to pin under the substructure floor with 50 Ton capacity BOP handling system i.e. two (2) Air Hoists each of capacity not less than 25 Ton.
- xix. 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. The mast shall be fitted with safe flasher type aviation warning light as detailed below. These lights shall be operational at all times from the moment the mast is raised and until the mast is finally lowered irrespective of well operation. 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.

Aviation warning/obstruction lamps, consisting of the following:

i) Aviation obstruction day time white flasher units, one no. shall be fixed atop the mast on crown platform.

ii) Red aviation LED warning lamps (night time): Continuous glow type, two nos. to be fixed near the white flasher units.

Day time: 20,000 Cd, flasher type with 40 flashes per minute (White)

Night time: 2,000 Cd, fixed (Red)

B) DRAW-WORKS:

- i. Input horsepower rating should not be less than 3000 HP.
- ii. The Draw-works to be powered by 2 (two) or 3 (three) AC / DC electric motors complete with Inertia brake.
- iii. The Draw-works to be complete with minimum two braking systems i.e. one suitable auxiliary brake (electro-magnetic type 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) and one suitable primary / dynamic / parking cum emergency brake (Band type or multi calliper type for AC-SCR rig and pneumatically operated multi disc type for AC-VFD rig. The brake should be complete with all controls, fail safe system, dedicated cooling system, alarm, etc.).
- iv. The grooving on Draw-works drum should preferably be Lebus type suitable for either 1-5/8" or 1-1/2" wire line.
- v. Draw-works should have forward and reverse speed options.
- vi. 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 & reset buttons.
- vii. 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: Make-up & Break-out catheads on sand drum (in case of double drum draw-works is offered) is also acceptable provided it is complete with all required controls, cathead rollers, tong line guard, turn back rollers, etc.)
- viii. Properly designed Driller's console should be suitably located incorporating all required functions to carryout drilling operations safely and with ease.
- ix. The draw-works should be compatible with the mast & sub-structure as indicated above and other drilling equipment mentioned in this section.
- x. Draw-work shall be complete with Suitable in-built lubricating system & provision for manual lubricating point (wherever applicable).
- xi. All accessories for draw-works should confirm to API specifications wherever applicable.

- xii. Draw-works controls should have the following features:
- It should be able to manage, control and monitor rig floor equipment in independent and activity-based operations.
 - 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.
 - It should allow the Driller to supervise and control all drilling-related functions.

C) ROTARY TABLE AND ACCESSORIES: Rotary table as per API Spec. 7K with minimum 37½" opening and static load capacity of 650 Tons, complete with the following. All required accessories shall be provided by the Contractor. The rotary table shall have independent rotary drive unit powered by electric motor or Hydraulic Pump. The rotary drive system should have forward & reverse speed options.

- i. Master bushing (1 no. each of solid and split type) to suit the Rotary table.
- ii. Suitable API insert bowls Nos. 1, 2 & 3 respectively.
- iii. Complete bushing arrangement for handling 30" casing, 20" casing, 16" casing, 13.3/8" casing, 11.3/4" casing, 9.5/8" casing, 7" casing / liner, 5.1/2" casing, 5" liner, 5.7/8" OD drill pipe, 5.1/2" OD drill pipe, 5" OD drill pipe, 4" OD drill pipe, 2.7/8" OD drill pipe & 2.7/8" OD tubing and all other tubular specified elsewhere in this section.
- iv. Bit breakers & adapter plates to suit above master bushing / Rotary table.
- v. All sizes of lifters and handling tools for bushings & inserts.

D) TOP DRIVE UNIT: 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, On-board 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.

ACCESSORIES FOR TOP DRIVE UNIT:

- i) Pair(s) of weld less links of required capacity, size & length suitable for all types of elevators mentioned in this section.
- ii) One (1) set of Master bushing wear guide & adapter ring for wear guide for 2-7/8" to 5-7/8" OD drill pipes.
- iii) Any other item for running the top drive unit.

Note: 1. Electrical power required to run the top drive unit should be made available from rig's electrical power system.

2. Top drive to be equipped with soft torque system to dampen drill string torsional vibrations & provide constant rotational velocity at the drill bit.

3. Top drive unit should of either of the following makes

- i) AKER MARITIME

- ii) CAN RIG
- iii) NATIONAL OILWELL VARCO
- iv) TESCO

E) TRAVELING BLOCK (as per API Spec. 8C): The traveling block shall meet, but not be limited to the following minimum specification:

- i. Min. API working load rating = 750 Ton (680 MT).
- ii. Number of sheaves = 7 (seven) Nos. of around 60" diameter and grooved for 1-5/8" or 1-1/2" casing line.

F) 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.

G) SLUSH PUMPS:

- i. Three (3) nos. of triplex single acting 1600 HP (minimum), 7500 psi rated slush pumps, complete with strainer cross, pulsation dampner, reset relief valve, suction stabilizer, pressure gauge (preferably 1600 HP NOV make 12-P-160 with 7500 psi fluid end or suitable equivalent) with matching motors of 1600 HP rating. The pumps should be suitable for continuous heavy duty application.
- ii. Maximum discharge pressure of 7500 psi. (Discharge 1124 LPM minimum at 7500 psi and 2922 LPM at 3200 psi).
- iii. Apart from standard accessories, each pump shall be equipped with 7500 PSI WP strainer cross, 7500 psi pulsation dampeners, reset relief valve, bleed valves, inline suction stabilizer, jib crane with trolley, pull lift chain hoist, for liner and suction / discharge module change.
- iv. Detailed technical specification of slush pump motor should be provided in technical bid.
- v. Drive media (chain or belt) must be specified by the bidder.
- vi. Parallel pumping: The high pressure mud delivery pipe network should facilitate operation of any two pumps (parallel pumping) at any given point of time.
- vii. Nature of pumping job should include, but not be limited to, pumping of drilling fluids, completion fluids, pre-flushes, water – both treated and plain. In the event that a requirement arises to pump acid, the Company shall provide the pump and suction and delivery lines.
- viii. 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:

- i. Suction manifold of the three mud pumps should be interconnected with suitable valves.
- ii. Suitable length 3.1/2" ID x 7500 psi WP vibrator hose.
- iii. 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.

- iv. 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.
- v. There shall be 7500 Psi working pressure gate valve on each mud delivery manifold for isolating each slush pump.
- vi. Pressure bleed off line with valve from each HP mud pump shall be provided and the bleed discharge shall be to the active mud system. The HP bleed line to be anchored properly to avoid vibration and prevent accident.
- vii. H-manifold shall have arrangements for hole fill-up line and kill line connections of suitable sizes with Gate valves.
- viii. Necessary anchoring arrangement of all high pressure delivery lines to be provided.
- ix. 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.
- x. All HP mud lines must be of 7500 psi WP & necessary certificates to be submitted.
- xi. Supercharger – Skid mounted three numbers suitable motor driven supercharger pumps for supercharging the rig pumps.
- xii. Sufficient no. of additional intermediate 7500 psi WP pipes to facilitate extension of the delivery pipe upto 180 ft.; to meet spacing between the wells in cluster locations (1+3 wells).

I) (i) POWER PACK: Diesel electric AC-SCR or AC-VFD system complete with the following:

1. **Engines – Minimum 5 (Five)** Nos. Turbocharged, after cooled, air start, diesel driven Oilfield engines each of min. 1000 HP rating (Preferably CAT 3512 B / 3512 C). Each power pack should be complete with matching alternator, 50 Hz. The fuel for the engines should be freely and easily available in India. The power packs should have CPCB approved weather proof **acoustic enclosures**. Stack heights shall conform to CPCB norms and shall have suitable emission monitoring/measuring arrangement. The engines should comply with the latest emission norms.
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:
 - a) Power pack and PCR to be place outside 32 metres (Minimum) from the well-head.
 - b) All components shall be suitable for following ambient conditions:
 - i. Temperature: Max. 45 deg. C & Min. 05 deg. C
 - ii. Humidity: Max. 95% & Min. 60%
 - iii. Altitude: Approximately between 100 M to 200 M above mean sea level.
 - c) Power pack and electrical controls of the rig shall be complete in all respects 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.

(ii) POWER CONTROL ROOM: The PCR should be suitable for diesel electric AC-SCR or AC-VFD system.

1. Rig package shall be complete with all electrical control room, Main PCR with 'SCR' cubicles or 'VFD' panels, Auxiliary control PCR / AC power control room 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 32m from well head.

(iii) DRILLING MOTORS:

1. Adequate numbers of motors: 2 or 3 nos. for operation of draw-works and preferably 2 each per slush pump at their respective rated capacity. Each motor shall be complete with suitable blower and ducting.
2. Bidder shall provide details of all such drilling motors while quoting.

(iv) OTHER CONDITIONS FOR ELECTRICAL EQUIPMENT:

- a) All outdoor equipment such shall be weather proof with IP 55 protection as per India standards.
- b) Electrical system shall be provided with all necessary cables trays and grasshoppers to the derrick floor.
- c) Explosion proof and vapours type fluorescent/mercury vapour (MV)/CFL/LED lighting system shall be used for lighting the mast and substructure.
- d) Lighting fixture shall match API specification and the Mines Act, 1952 and its subsequent amendments and Oil Mines Regulation 2017.
- e) The lighting system shall cover but not be limited to the following areas: i.e. lighting the mast and substructure, rig floor, power packs, power control room, plinth area, mud pumps, generator sheds, 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.
- f) Fixing arrangements of outdoor luminaries shall be such that this can be installed and dismantled quickly and easily for transportation during the inter-location moves.
- g) Necessary provision for supplying power including electrical, to any other utility unit(s) running on electrical power including portable electric top drive system shall be provided by the Contractor whenever required.

(v) AUXILIARY GENSETS:

1. Offer shall include smaller gensets suitable for producing and supplying ac power when main engines are shutdown.
2. Bidder shall provide details of such gensets in their offer.

J) EMERGENCY HOOTER: The rig should be equipped with one emergency hooter.

K) EMERGENCY SHUT OFF SYSTEM: A pneumatically operated emergency shut off device shall be located in driller's panel and at suitable strategic location.

L) EMERGENCY ALARM: An electrically operated emergency alarm with provision for operating the same from driller's console should be provided.

4.2 GROUP – II

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

- i. 29½" or 30" x 500 psi drilling Diverter system complete with all necessary fittings and suitable side outlets not less than 10" OD, remotely operated ball valves, HCR valves etc. to be mounted on 30" conductor ERW Pipe for drilling 26" hole section. Diverter line has to be extended preferably 90 mts. away from the well bore for safe disposal of gases to the atmosphere. **(Bidder to specify details of the Diverter System with drawings in techno-commercial bid).**
- ii. One (1) 18.3/4" x 5000 psi Annular/Spherical BOP with bottom flange of 18.3/4" x 10 M Working Pressure (Cameron/NOV/Hydril/WOM make only). In case the bottom flange of BOP is 18.3/4" x 5M then a suitable double studded adapter flange for conversion to 18.3/4" x 10 M is also acceptable.
- iii. One (1) double ram BOP, 18.3/4" x 10000 psi (Cameron/NOV/Hydril/WOM make only) having top & bottom flange of 18.3/4" x 10 M Working Pressure with blind/Shear ram, 16", 13.5/8", 11.3/4", 9.5/8" & 7" rams and 2-7/8" to 5-7/8" Variable pipe ram. The BOP shall be complete with at least 2 (two) 3.1/16" x 10M flanged side outlets (i.e. one beneath each set of ram), ring joint gaskets, blind flanges and required stud & nuts.
- iv. One (1) single ram BOP, 18.3/4" x 10000 psi (Cameron/NOV/Hydril/WOM make only) having top & bottom flange of 18.3/4" x 10 M Working Pressure with 5.1/2", 5" and 5.7/8" pipe rams. The BOP shall be complete with at least 1 (one) 3.1/16" x 10M flanged side outlets (i.e. beneath the set of ram), ring joint gaskets, blind flange and required stud & nuts.
- v. One (1) double ram BOP 7.1/16" x 10000 psi (Cameron/NOV/Hydril/WOM make only) having top and bottom flange of 7.1/16" x 10 M Working Pressure with 3.1/2" & 2.7/8" pipe and blind rams. The BOP shall be complete with at least 2 (two) 2.1/16" x 10M flanged side outlets (i.e. one beneath each set of ram), cross-over flanges having 2.1/16" x 10M to 3.1/16" x 10M (for connecting to 3.1/16" x 10M choke & kill manifold), all required ring joint gaskets, blind flanges and required studs & nuts.
- vi. Drilling Spool, Spacer spool, Change Spool with all accessories for nipple-up of above BOPs to be provided.

- vii. All BOPs should have crossover (Adapter flange to match 5000 and 10000 psi wellheads).
- viii. 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 hydraulic/ pneumatic torque wrenches to suit all nuts.
 - c. Operational spares for Contractor's BOPs both annular and ram, including ram & 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
- ix. Drilling spool
 - a. One (1) 18.3/4" x 10,000 psi (around 24" high) with 2 flanged side outlets of size 3.1/16" x 10000 psi WP in the same horizontal plane but in opposite directions for hooking up choke / kill lines. The spool shall be complete with all required ring joint gaskets, studs & nuts, blind flanges.
 - b. One (1) 13.5/8" x 10,000 psi (around 24" high) with 2 flanged side outlets of size 3.1/16" x 10000 psi WP in the same horizontal plane but in opposite directions for hooking up choke / kill lines. The spool shall be complete with all required ring joint gaskets, studs & nuts, blind flanges.
 - c. One (1) 11" x 10,000 psi (around 24" high) with 2 flanged side outlets of size 3.1/16" x 10000 psi WP in the same horizontal plane but in opposite directions for hooking up choke / kill lines. The spool shall be complete with all required ring joint gaskets, studs & nuts, blind flanges.
- x. Double studded adapter flange 18.3/4" x 5000 PSI to 18.3/4" x 10000 psi with necessary studs, nuts & ring joint gaskets.
- xi. Double studded adapter flange 18.3/4" x 10000 PSI to 13.5/8" x 10000 psi with necessary studs, nuts & ring joint gaskets.
- xii. Double studded adapter flange 18.3/4" x 10000 PSI to 11" x 10000 psi with necessary studs, nuts & ring joint gaskets.
- xiii. Double studded adapter flange 11" x 10000 PSI, 7.1/16" to 10000 psi with necessary studs, nuts & ring joint gaskets.
- xiv. Double studded adapter spool 18.3/4" x 5000 psi to 20.3/4" x 3000 psi top with necessary studs, nuts & ring joint gaskets.
- xv.
 - a) Companion flanges of appropriate sizes and numbers and suitable for all kill, choke, check valves and lines etc.
 - b) Companion /suitable flanges for 3.1/16" x 10M to 2.1/16" x 10M and 3.1/16" x 10M to 2" x 5M line pipe female thread.
- xvi. All BOPs, spools, flanges, etc. shall be complete with sufficient numbers of studs with nuts & ring joint gaskets.
- xvii. Suitable risers with provision for hole filling line.
- xviii. Poor boy swivel and drill pipe shut-in valve 10000 PSI WP with compatible Rotary hose & Drill pipe connections.

- xix. 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.
- xx. 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).
- xxi. Bidder should provide a schematic diagram with the dimensions of BOP stacks for different sizes and stages of completion.
- xxii. All above BOPs should be hydraulically operated with hydraulic / manual locking arrangement.
- xxiii. BOPs to be installed, tested & operated as per API RP53. All Adapter flanges, spools, DSAs, flanges, etc. shall be as per API Spec 16A, Latest Edition.

Note: 1. BOPs should be either new or overhauled and certified & tested by the manufacturer. The certificate should not be older than one (1) Year and should be valid during the duration of the contract.

2. 18-3/4" x 10,000 psi rated annular BOP and 18-3/4" x 15,000 psi rated Ram BOPs will be acceptable with requisite crossover / adapter flanges / DSA to match the well head flange (i.e. 18-3/4" x 10M).

B) CHOKE & KILL MANIFOLD (As per API Spec. 16 C)

- i) One set of 3.1/16" x 10,000 psi choke 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.
- ii) 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 10,000 psi along with one number of check valves on kill line.
- iii) BOP/Casing head housing side valves: (One each) gate valve and check valve on kill lines side size 3.1/16" x 10,000 psi.
- iv) 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).**
- v) 10000 Psi WP rigidly supported kill manifold with provision for connection onto slush pumps and high pressure killing pump by means of 2" ID x 10000 Psi chocksan hoses.
- vi) Adequate number of 2" ID x 10000 Psi chocksan hoses for hooking up well killing pump, test lines, emergency kill line etc.
- vii) Choke & kill manifolds shall be complete with all necessary studs & nuts, ring joint gaskets & fittings etc.

Note: 3.1/16" x 15,000 psi or 4.1/16" x 10,000 psi rated choke manifolds with requisite crossover / adapter flanges / DSA to match the well head stack.

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 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) 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.
- v) BOP remote control unit with graphic visual display, one on the derrick floor and another on the opposite side, at least 150' (46 Mtrs.) away from the well bore.
- vi) All electrical items should be suitable for hazardous area, zone-1 Gas Group I & II.
- vii) 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.

D) WELL CONTROL ACCESSORIES & TESTING UNIT:

- i) Inside BOPs (IBOP) suitable for all drill pipe sizes.
- ii) One (1) set of Portable High Pressure Testing Unit having a nominal working pressure of 15,000 psi (1055 Kg/sq.cm.) 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, 0-15000 psi recorder with charts, 20,000 psi rated test hoses with all required fittings, etc.
- iii) Cup Testers for testing 16" OD (84 ppf), 13.5/8" OD (68 ppf) 11.3/4" OD (65 ppf) ,9.5/8" OD (47-53.5 ppf) and 5.1/2" OD (20-23 ppf) casing with facility of interchange ability of cup to suit different weight of aforesaid 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:

One Diesel Engine Driven (equipped with speed reduction Gear Box / Transmission Box) National JWS 340 (10,000 PSI) or OPI 500AWS (15,000PSI) or equivalent High-pressure Low discharge plunger pump having plunger size of 2.3/4" or 3.1/2" of minimum 10,000 PSI working pressure and Stroke length of 5" to 6". The pump is to be equipped and supplied with suitable Diesel Engine Driven supercharger mounted on the skid itself, all the safety features and control mechanism, minimum 300 feet (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.

2. TUBULARS:

A) DRILL PIPE / PUP JOINT (AS PER API SPECIFICATION 5DP)

Contractor shall provide new/unused or Premium Class Drill pipes and Pup joints. For new/unused Drill Pipes and Pup joints supporting documents in the form of manufacturer's certificate to this effect should be forwarded prior to mobilization. For Premium Class Drill Pipes and Pup joints NDT inspection (as per TH Hill, DS-I, category-5) certificates to be furnished in this regard prior to mobilization.

OIL reserves the right to inspect at random and may 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.

- i) Minimum 2200 m of 5-7/8" OD, 26.3 ppf, Grade 'S135' Drill pipes, Internal External upset in range 2 length having Double Shoulder Tool Joint (**DSTJ**) or **XT57** Connection (Tool Joint OD 7" & ID 4" or 4-1/4") with 150XT hard banding on box ends.
- ii) Minimum 5500 m of 5-1/2" OD, 24.7 ppf, Grade 'S135' Drill pipes, Internal External upset in range 2 length having Double Shoulder Tool Joint (**DSTJ**) or **XT57** Connection (Tool Joint OD 7" & ID 4" or 4-1/4" ID) with 150XT hard banding on box ends.
- iii) Minimum 800 m of 4" OD, 14.0 ppf, Grade 'S135' Drill pipes, Internal External upset in range 2 length having **XT-39** Tool Joint Connection (Tool Joint OD 4.7/8" & ID 2.9/16" ID) with hard banding on box ends.
- iv) Minimum 500 m of 2-7/8" OD, 10.4 ppf, Grade 'S135' Drill pipes, External upset in range 2 length having **SLH90** Tool Joint Connection (Tool Joint OD 3.7/8" & ID 2" ID) **without** hard banding.
- v) 3 Nos. each of 5-7/8", 5-1/2", 4" & 2.7/8" OD, drill pipe pup joints of 5 ft., 10 ft. and 15 ft. length with identical specification as above but **without** hard banding.
- vi) Installation tool for installing rubber protectors on 5-7/8 inch OD & 5 1/2" OD drill pipe 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-5) certificates to be furnished in this regard prior to mobilization.

- i) Twelve (12) nos. 9-1/2" OD, 3" ID, spiral drill collars, 30-31 ft long, with 7-5/8 API Regular connections, having bore-back box and stress relief pin.
- ii) Twenty-one (21) 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.
- iii) Twelve (12) nos. 6-3/4" OD, 2-13/16" ID, spiral drill collars, 30-31 ft. long, with 4-1/2 API IF connections, having bore-back box and stress relief pin.
- iv) One (1) nos. 6-3/4" OD, 2-13/16" ID, spiral PONY drill collars, 10 ft. long, with 4-1/2 API IF connections, having bore-back box and stress relief pin.
- v) Twelve (12) nos. 4-3/4" OD, 2-1/4" ID, spiral drill collars, 30-31 ft. long, with 3-1/2 API IF connections, having bore-back box and stress relief pin.
- vi) 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.
- vii) Twenty-Four (24) 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.
- viii) Thirty-nine (39) nos. 5" OD, 3" ID, approx. 50 PPF, 30-31 ft. long, 6-5/8" OD x 3" ID Tool Joints "Conventional heavy-weight (thick wall)" drill pipes with Double Shoulder Tool Joint (**DSTJ**) or **XT50** box-up & pin down connection.
- ix) Twenty-One (21) nos. 4" 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 **XT39** box-up & pin down connection.
- x) Nine (9) nos. 2-7/8" 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 NC 38 (3.1/2 IF) box-up & pin down connection with stress relief grooves.
- xi) Minor variation in dimension for drill collars and heavy weight drill pipes shall be acceptable.

C) ONE LOT OF NECESSARY SUBSTITUTES, STABILIZERS, HOLE OPENER, ETC. 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 (to be furnished prior to mobilization).

C.1 BIT SUBS and FLOAT SUBS: (As per API Spec 7-1)

- i) Two (2) Nos. 9-1/2" OD x 7-5/8 API Regular double box bit sub with float valve recess & complete with replaceable type float valve.
- ii) Two (2) Nos. 9-1/2" OD x 7-5/8 API Regular box down x 8" OD x 6.5/8 API Regular box up bit subs with float valve recess & complete with replaceable type float valve.

- iii) Two (2) Nos. 8" OD x 6-5/8 API regular double box bit sub with float valve recess & complete with replaceable type float valve.
- iv) Two (2) Nos. 6-3/4" OD x 4-1/2 API Regular double box bit subs with float valve recess & complete with replaceable type float valve.
- v) Two (2) Nos. 4-3/4" OD x 3-1/2 API Regular double box bit subs.
- vi) Two (2) Nos. 3-1/2" OD x 2-3/8 API Regular double box bit subs.
- vii) Two (2) Nos. 9-1/2" OD x 7-5/8 API Regular box up x 9-1/2" OD x 7-5/8 API Regular pin down float subs complete with replaceable type float valve.
- viii) Two (2) Nos. 8" OD x 6-5/8 API Regular box up x 8" OD x 6-5/8 API Regular pin down float subs complete with replaceable type float valve.

C.2 CROSS OVER SUB

- i) Two (2) Nos. of 8" OD x 6-5/8" API regular box up and 9-1/2" OD x 7-5/8" API regular pin down cross over sub.
- ii) Two (2) Nos. of 7" OD x 5-1/2" DSTJ or XT57 box up and 8" OD x 6-5/8" API regular pin down cross over sub.
- iii) Four (4) Nos. of 7" OD x 5-7/8" DSTJ or XT57 box up and 5-1/2" DSTJ or XT57 pin down cross over sub.
- iv) Four (4) Nos. of 6-3/4" OD x 4-1/2" API IF box up and 7" OD x 5-1/2" DSTJ or XT57 pin down cross over sub.
- v) Four (4) Nos. of 7" OD x 5-1/2" DSTJ or XT57 box up and 6-3/4" OD x 4-1/2" API IF pin down cross over sub.
- vi) Two (2) Nos. 6-3/4" OD cross over sub with 4-1/2" API regular box down x 4-1/2" API IF box up connections.
- vii) Four (4) Nos. of 7" OD x 5-1/2" DSTJ or XT57 box up and 6-5/8" OD x 5" DSTJ or XT50 pin down cross over sub.
- viii) Five (5) Nos. of 6-5/8" OD cross over sub with 5" DSTJ or XT50 box up x 4-1/2" API IF pin down connections.
- ix) Five (5) Nos. of 6-5/8" OD cross over sub with 4-1/2" API IF box up x 5" DSTJ or XT50 pin down connections.
- x) Two (2) Nos. of 4-7/8" OD cross over sub with 4" XT39 box up x 3-1/2" API IF pin down connections.
- xi) Two (2) Nos. of 6-5/8" OD x 5" DSTJ or XT50 box up and 4-7/8" OD x 4" XT39 pin down cross over sub.
- xii) Two (2) Nos. of 4-7/8" OD x 4" XT39 box up and 3-7/8" OD x 2-7/8" SLH90 pin down cross over sub.
- xiii) Two (2) Nos. of 3-1/2" API IF box up and 3-1/2" API IF pin down cross over sub.
- xiv) Two (2) Nos. of 2-3/8" API IF box up and 2-3/8" API Regular pin down cross over sub.
- xv) Two (2) Nos. of 2-7/8" SLH90 box up and 2-3/8" API IF pin down cross over sub.
- xvi) Sufficient and suitable x-over subs for connecting the tubular with top drive sub.
- xvii) Twin pin sub of following specifications:

1. One (1) No. of 9-1/2" OD, 3" ID with 7-5/8" API Regular pin at both ends.
2. One (1) No. of 8-1/4" OD, 2-13/16" ID with 6-5/8" API Regular pin at both ends.
3. One (1) No. of 6-3/4" OD, 2-1/2" ID with 4-1/2" API Regular pin at one end and 4-1/2" API IF pin at other end.
4. One (1) No. of 4-3/4" OD, 1-1/2" ID with 3-1/2" API Regular pin at one end and 3-1/2" API IF pin at other end.

Note: The connections (i.e. DSTJ or XT as mentioned above) of cross-over subs must match with offered tubulars specified under clause 2. A) and 2. B) respectively.

C.3 STABILIZERS:

- i) One (1) No. of 35-3/4" integral blade (with HF 3000 or better hard facing) in-string stabilizer with 7-5/8 API Regular pin-down x box-up connections & Overall length = 120". Body OD = 9-1/2", ID = 3", No. of blades = 5 (blade width = 4", blade angle = 11°, Full gage blade length = 38", under blades body OD = 11"), Blades should have two step long taper at both ends with overall blade length = 68".
- ii) Three (3) Nos. of 25-7/8" integral blade (with HF 3000 or better hard facing) in-string stabilizers with 7-5/8 API Regular pin-down x box-up connections & Overall length = 120". Body OD = 9-1/2", ID = 3", No. of blades = 5 (blade width = 4", blade angle = 7°, Full gage blade length = 38", under blades body OD = 11"), Blades should have two step long taper at both ends with overall blade length = 58".
- iii) One (1) No. of 25-15/16" integral blade (with HF 3000 or better hard facing) near bit stabilizer with 7-5/8 API Regular box at both ends, bored for 5F-6R float valve & totco ring and Overall length = 108". Body OD = 9-1/2", ID = 3", No. of blades = 5 (blade width = 4", blade angle = 6°, Full gage blade length = 38", under blades body OD = 11"), Blades should have two step long taper at both ends with overall blade length = 58".
- iv) Two (2) Nos. of 17-3/8" integral blade (with HF 3000 or better hard facing) in-string stabilizers with 7-5/8 API Regular pin-down x box-up connections & Overall length = 108". Body OD = 9-1/2", ID = 3", No. of blades = 5 (blade width = 3", blade angle = 6°, Full gage blade length = 28"), Blades should have two step long taper at both ends with overall blade length = 45".
- v) One (1) No. of 17-1/2" integral blade (with HF 3000 or better hard facing) near bit stabilizer with 7-5/8 API Regular box at both ends, bored for 5F-6R float valve & totco ring and Overall length = 108". Body OD = 9-1/2", ID = 3", No. of blades = 4 (blade width = 3.5", blade angle = 6°, Full gage blade length = 36"), Blades should have two step long taper at both ends with overall blade length = 58".
- vi) Three (3) Nos. of 14-5/8" integral blade (with HF 3000 or better hard facing) in-string stabilizers with 7-5/8 API Regular pin-down x box-up connections & Overall length = 96". Body OD = 9-1/2", ID = 3", No. of blades = 5 (blade width = 2.5", blade angle = 5°, Full gage blade length = 24"), Blades should have two step long taper at both ends with overall blade length = 36".
- vii) One (1) No. of 14-3/4" integral blade (with HF 3000 or better hard facing) near bit stabilizer with 7-5/8 API Regular box at both ends, bored for 5F-6R float valve & totco ring and Overall length = 96". Body OD = 9-1/2", ID = 3",

No. of blades = 4 (blade width = 3", blade angle = 5°, Full gage blade length = 36"), Blades should have two step long taper at both ends with overall blade length = 49".

- viii) Two (2) Nos. of 10-9/16" integral blade (with HF 3000 or better hard facing) in-string stabilizers with 6-5/8 API Regular pin-down x box-up connections & Overall length = 96". Body OD = 8-1/4", ID = 2-13/16", No. of blades = 4 (blade width = 2.5", blade angle = 5°, Full gage blade length = 22"), Blades should have two step long taper at both ends with overall blade length = 30".
- ix) One (1) No. of 10-9/16" integral blade (with HF 3000 or better hard facing) near bit stabilizer with 6-5/8 API Regular box at both ends, bored for 5F-6R float valve & totco ring and Overall length = 96". Body OD = 8-1/4", ID = 2-13/16", No. of blades = 4 (blade width = 2.5", blade angle = 4°, Full gage blade length = 36"), Blades should have two step long taper at both ends with overall blade length = 44".
- x) Three (3) Nos. of 8-7/16" integral blade (with HF 3000 or better hard facing) in-string stabilizers with 4-1/2 API IF pin-down x box-up connections & Overall length = 84". Body OD = 6-3/4", ID = 2-1/2", No. of blades = 4 (blade width = 2", blade angle = 5°, Full gage blade length = 20"), Blades should have two step long taper at both ends with overall blade length = 26".
- xi) One (1) No. of 8-7/16" integral blade (with HF 3000 or better hard facing) near bit stabilizer with 4-1/2 API IF box-up x 4-1/2 API Regular box-down connections, bored for 4R float valve & totco ring and Overall length = 84". Body OD = 6-3/4", ID = 2-1/4", No. of blades = 4 (blade width = 2", blade angle = 4°, Full gage blade length = 30"), Blades should have two step long taper at both ends with overall blade length = 36".
- xii) Two (2) Nos. of 5-15/16" integral blade (with HF 3000 or better hard facing) in-string stabilizers with 3-1/2 API IF pin-down x box-up connections & Overall length = 84". Body OD = 4-3/4", ID = 2-1/4", No. of blades = 4 (blade width = 1.5", blade angle = 4°, Full gage blade length = 18"), Blades should have two step long taper at both ends with overall blade length = 22".
- xiii) One (1) No. of 6" integral blade (with HF 3000 or better hard facing) near bit stabilizer with 3-1/2 API IF box-up x 3-1/2 API Regular box-down connections, bored for 2F-3R float valve & totco ring and Overall length = 84". Body OD = 4-3/4", ID = 2-1/4", No. of blades = 4 (blade width = 1.5", blade angle = 4°, Full gage blade length = 30"), Blades should have two step long taper at both ends with overall blade length = 34".

Note:

1.0 Stabilizers material should be Modified 4145H heat treated with Charpy Impact of 54 Joules and should meet API Spec 7.

2.0 It will be the responsibility of the contractor to ensure that STABILIZERS should be in perfect working condition at any point of time and operation should not hamper 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 necessary in 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 3.1/2" or 2.7/8" OD EUE and/or 3.1/2" or 2.7/8" OD NUE premium connection tubing.

D) HOLE OPENER

One (1) nos. of Smith or equivalent make Hole Opener (to open 26" OD pilot hole to 36" OD hole) with following specifications:

- a) Opening Hole size – 36"
- b) Pilot hole size – 26"
- c) Top Connection – 7.5/8 API Regular Pin
- d) Bottom Connection – 7.5/8 API Regular Box
- e) Cutters assembly – insert type with sealed bearing suitable for hard formation
- f) No. of cutters – Minimum Four (4)
- g) Fishing neck OD = around 9-1/2"
- h) Bottom neck OD = around 9-1/2"
- i) ID = 3"
- j) Length = around 100"

(**Note:** Supply of required nos. of replacement cutter blocks will be the responsibility of the Contractor)

E) NDT TESTING:

All tubular, rotary substitutes & all hoisting equipment shall be NDT inspected as per relevant API standard &/or OISD standards at a suitable period. The Contractor shall also provide documentary evidence of API standard &/or OISD standards inspection carried out on tubular, rotary substitutes & all hoisting equipment at the time of mobilization.

F) 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.

a) ELEVATORS

- i) One (1) Set consisting of total two nos. 750 ton capacity, spider dressed as elevator and slip complete with all accessories and slip assemblies to handle 9.5/8" & 11.3/4" casings.
- ii) One (1) Set consisting of total two nos. 500 ton capacity, spider dressed as elevator and slip complete with all accessories and slip assemblies to handle 5", 5.1/2", 7", 13.3/8", 16" & 20" casing.
- iii) Two (2) Nos. each of 150 Ton capacity side door elevators suitable for 30" & 20" Casings.
- iv) Two (2) Nos. each of 250 Ton capacity side door elevators suitable for 16", 13.3/8", 11.3/4", 9.5/8", 7", 5.1/2" & 5" Casings.
- v) One (1) No. each of 4 Ton or 5 Ton capacity Single joint elevators complete with swivel and sling assembly suitable for 30", 20", 16", 13.3/8", 11.3/4", 9.5/8", 7", 5.1/2" & 5" Casings.
- vi) Two (2) Nos. each centre latch elevator, capacity 150 ton for 9.1/2", 8", 6.3/4", 6.1/2", 4.3/4" & 3.1/2" OD drill collars.

- vii) Two (2) Nos. Centre latch elevator, capacity 500 ton, for 5.7/8" & 5.1/2" OD drill pipes. Elevator should match type of shoulder of pipe offered by contractor.
- viii) Two (2) Nos. Centre latch elevator, capacity 350 ton, for 5" OD drill pipe. Elevator should match type of shoulder of pipe offered by contractor.
- ix) Two (2) Nos. centre latch elevator, 250 ton capacity for 4" OD drill pipe. Elevator should match type of shoulder of pipe offered by contractor.
- x) Two (2) Nos. centre latch elevator, 150 ton capacity for 2.7/8" OD SLH-90 drill pipe. Elevator should match type of shoulder of pipe offered by contractor.
- xi) 2 Nos. each of centre latch elevators, capacity 150 ton, for 3-1/2" OD EUE tubing and 3.1/2" OD NUE premium tubing.
- xii) 2 Nos. each of centre latch elevators, capacity 150 ton, for 2.7/8" OD EUE tubing and 2.7/8" OD NUE premium tubing.
- xiii) 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.

b) ROTARY SLIPS

- i) Two (2) Nos. of PS-21 or equivalent power slips with rated capacity of 500 Ton with all required accessories and suitable for 37.1/2" rotary table for handling following tubular:
 - a. 13.3/8", 11.3/4", 9.5/8", 7", 5.1/2" and 5" OD casings.
 - b. 9.1/2", 8", 6.3/4" and 4.3/4" OD drill collars.
 - c. 5.7/8", 5.1/2", 5", 4" and 2.7/8" OD drill pipes.
 - d. 3.1/2" and 2.7/8" OD Tubing.
- ii) One (1) No. each Casing hand slips each suitable for use with 37.1/2" rotary table for handling: 30", 20" and 16" OD casings.
- iii) Two (2) Nos. rotary hand slips suitable for use with 37.1/2" rotary table for handling 3.1/2" OD drill collars.
- iv) 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.

(c) CASING FILL UP AND CIRCULATING TOOL

Casing fill up and circulating tool for 20", 16", 13.3/8", 11.3/4" & 9.5/8" OD casings.

(d) SAFETY CLAMPS: Safety clamps to handle all sizes of drill collars.

(e) RIG TONGS:

Complete sets of Rotary tongs in pairs with sets of extra jaws and replaceable spares of required capacities & sizes as per following:

- 1. Type BV-100 or equivalent for handling following tubular:
 - i) 5.7/8", 5.1/2", 5" and 4" OD drill pipes / heavy weight drill pipes.
 - ii) 9.1/2", 8", 6.3/4" & 4.3/4" OD drill collars.

- iii) 30", 20", 16", 13.3/8", 9.5/8", 7", 5.1/2" & 5" OD casings.
- 2. Type BV-35 or equivalent for handling following tubular:
 - i) 2.7/8" OD drill pipes / heavy weight drill pipes.
 - ii) 3.1/2" OD drill collars.
- 3. Tubing tongs for 3.1/2" & 2.7/8" 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.

(f) HYDRAULIC TUBULAR HANDLING TOOLS

- i) Hydraulic power casing tongs (one for use & one 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 20", 16", 13.3/8", 11.3/4", 9.5/8", 7", 5.1/2" & 5" OD casings. The tongs should be rated for a torque of minimum 25000 ft-lbs.
- ii) Hydraulic Power Tubing Tong (one for use & one back-up) complete with all accessories including back-up assembly and hydraulic power unit with suitable prime mover for handling 2.7/8" & 3.1/2" OD (EUE / NUE Premium tubing) with torque capacity of around 8000 ft-lbs.
- iii) The operator(s) for power casing tong shall be provided by the contractor at their own cost.
- vi) 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.

(g) ELEVATOR LINKS:

Weld-less links of suitable length & capacity to match the hoisting equipment.

G) BIT BREAKER / THREAD PROTECTORS / NOZZLES GAUGE / STABILIZER GAUGE

- i) One (1) No. each bit breakers for all hole size as described in this document (compatible with master bushing).
- ii) Stabilizer gauges and bit gauges.
- iii) Nozzle gauges for various sizes of nozzles.

H) AIR WINCHES:

- i) **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 5/8" soft wire line. Each air winch should be capable of handling at least 10,000 lbs (4.54 MT).
- ii) **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 1/2" soft wire line and full body harness.

I) FISHING TOOLS:

All items mentioned below shall be provided by the contractor. Supply of all fishing items and recovery of all fishes in every sizes of hole shall be the

responsibility of contractor. However, fishing tools other than listed shall be supplied by Company as and when required.

- a) **Overshot**: Series 150 Bowen or Equivalent releasing and circulating overshot suitable for operation in 26", 17.1/2", 14.3/4", 12.1/4", 10.5/8", 8.1/2" & 6" OD open hole and for operation in 20", 16", 13.3/8", 11.3/4", 9.5/8", 7", 5.1/2" & 5" 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.
- b) **Safety Joints**: One (1) No. each of Bowen or equivalent for operating in 14.3/4", 12.1/4", 10.5/8", 8.1/2" & 6" OD open hole.
- c) **Drilling Jar**: Hydro mechanical drilling jar (Type Z or equivalent) to provide upward and downward jarring blows, consisting of two separate sections –Up & Down Jar sections:
 - i) OD: 6.1/2", ID: 2.3/4", 4.1/2 API IF: One (1) No. with accessories
 - ii) OD: 8", ID: 3", 6.5/8 API Regular: One (1) No. with accessories
- d) **Jar Intensifier** : Jar intensifier matching with above drilling jar of following sizes:
 - i) OD: 6.1/2", ID: 2.3/4", 4.1/2 API IF: One (1) No. with accessories
 - ii) OD: 8", ID: 3", 6.5/8 API Regular: One (1) No. with accessories
- e) **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 i.e. 26", 17.1/2", 14.3/4", 12.1/4", 10.5/8", 8.1/2" & 6" OD and for 20", 16", 13.3/8", 11.3/4", 9.5/8", 7", 5.1/2" & 5" OD casings.
 - ii) **JUNK SUBS**: One (1) No. each Bowen or equivalent Junk subs for operating inside 20", 16", 13.3/8", 11.3/4", 9.5/8", 7", 5.1/2" & 5" OD casings.
 - iii) **FISHING MAGNET**: One (1) No. fishing magnet with standard fishing neck for operating in 17.1/2", 14.3/4", 12.1/4", 10.5/8", 8.1/2" & 6" OD holes.
 - 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**: One (1) No. each impression block with standard fishing neck & circulating port suitable for operation in 26", 17.1/2", 14.3/4", 12.1/4", 10.5/8", 8.1/2" & 6" OD hole and for 20", 16", 13.3/8", 11.3/4", 9.5/8", 7", 5.1/2" & 5" OD casings (Note: Provisions should be kept for redressing the impression block at well site).
 - vi) **JUNK MILL**: One (1) No. each flat bottom junk mill with standard fishing neck & circulating port for operation in 12.1/4", 10.5/8", 8.1/2" & 6" OD open hole and 9.5/8", 7", 5.1/2" & 5" OD casings. All materials required for redressing of mills shall be provided by the Contractor. Redressing of mill shall be carried out by the Contractor at well site.
 - vii) **FULL CIRCLE RELEASING SPEAR**: One (1) each for handling 5", 5.1/2", 7", 9.5/8", 11.3/4" & 16" OD casings. 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 torque in 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:

- i) OD=8", 6.5/8 API Regular top sub box connection & bottom pin connection, - One (1) No.
- ii) OD=6.1/2", 4.1/2 API IF top sub box connection & bottom pin connection, - One (1) No.
- iii) OD=4.3/4", 3.1/2 API IF top sub box connection & bottom pin connection, - One (1) No.

J) CASING SCRAPER / ROTOVERT: One (1) No. each casing scraper / rotovert for casing size of 5" OD (15ppf), 5.1/2" OD (20 PPF), 7" (29ppf) & 9.5/8" (53.5 & 47ppf) complete with suitable cross-over sub for connecting the same to tubing & / or drill pipe string.

K) RING LINE AND FIRE FIGHTING SYSTEM:

Contractor shall provide suitable Fire Fighting equipment as required for oil well drilling as per the provisions of OISD STD 189 & Mines Act of India.

- i) Contractor shall provide 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 53 KL capacity and adequate nos. of monitors and 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.
- ii) Contractor shall provide portable fire extinguishers which should be located at convenient locations, clearly visible and easily accessible.
- iii) The contractor shall lay a 4" dia. firefighting ring line with adequate number of fire hydrants and monitor located at strategic points.
- iv) 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.
- v) The above is a mandatory requirement for firefighting purposes. In case of non-conformance company reserves the right to stop further operations till the time the above mentioned standard is met.

L) TRANSPORTATION SERVICES

a. COMPANY (OIL)'S RESPONSIBILITY

- i. 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.
- ii. Chemicals (required for preparation of mud and completion fluid), all other well consumables like casing, tubing, well head fittings, drill bits, etc. shall be supplied by Company or through third party Contactor engaged by OIL.

b. CONTRACTOR'S RESPONSIBILITY

- i) Transportation of Contractor's personnel & their materials from campsite to drill site and between drilling sites shall be the responsibility of the Contractor. All vehicles to be deployed by Contractor for this purpose should be in prime condition.
- ii) 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 operations & during inter-location movements are to be provided by the Contractor. Any additional requirement of transport fleet for any specific purpose at site during well operation shall also be provided by the Contractor.
- iii) The Contractor must provide at their cost, equipment & services of the following minimum number:
 - a. Sufficient numbers of Diesel Hydraulic Telescoping Boom Truck Crane with integrated chassis (without sub frame) of suitable capacity along with crew 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) 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.
- iv) 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.
- v) 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.
- vi) Rig down/Rig up/transportation/maintenance of Company's materials / items (if any) attached to the rig shall be done by the contractor.

M) MISCELLANEOUS TOOLS & EQUIPMENT:

- a) One (1) No. each of circulating head, (cwp = 5000 psi complete with 5000 psi rated plug / gate valve & 602/1002 weco union for connecting rotary hose or chicksan joint) with pin connection suitable for 20" (TSH ER & BTC), 16" (Dino VAM), 13.3/8" (BTC), 11.3/4" (Wedge 513), 9.5/8" (VAM SLIJ-II & BTC), 5.1/2" (BTC) OD casings. (Note: In case the connection is different than suitable cross-over sub of minimum length should be provided).
- b) One (1) No. of poor boy swivel with suitable cross-over subs for connecting to 5.7/8" and 5.1/2" OD drill pipes.

- c) 1. Circulation Heads 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 5.7/8" and 5.1/2" OD drill pipes.
 - ii) One (1) No. each for 3.1/2" and 2.7/8" OD EUE tubing.
 - iii) One (1) No. each for 3.1/2" and 2.7/8" OD NUE Premium tubing.

(Note: In case the connection is different than suitable cross-over sub of minimum length should be provided).

2. FOSV (full opening safety valve) for following drill strings.

- i) One (1) No. each for 5.7/8", 5.1/2", 4" & 2.7/8" OD drill pipes.
 - ii) One (1) No. each for 3.1/2" and 2.7/8" OD EUE tubing.
 - iii) One (1) No. each for 3.1/2" and 2.7/8" OD NUE Premium tubing.
- d) Mud basket for use during round trips with Drill Pipes and other tubulars.
 - e) Adequate number of appropriate size back pressure / float valves for installation on bit / float subs during different stages of drilling (complete with installation tool).
 - f) **Cellar pump:** Suitable pump driven by explosion proof electric motor complete with all suction and delivery lines, for cellar evacuation. The pump should be able to handle slurry from cellar bottom (6.5 ft. to 7ft.) and build up a head of minimum 30 feet. 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.
 - g) One No. of additional reels of around 7500 ft. of drilling / casing line (1.5/8" or 1.1/2").
 - h) Appropriate riser for all stages of drilling.
 - i) Rig warehouse and workshop
 - j) Complete sets of tools / wrenches.
 - k) Suitable size & number of bell nipples and flow nipples for making up at the well head.
 - l) One (1) each of 5.7/8", 5.1/2", 4" & 2.7/8" OD Drill pipes & 2.7/8" OD tubing rubber wiper with all required accessories. Replacement rubbers should be stocked at well site & is contractor's responsibility.
 - m) Suitable capacity (engine or electrically driven pump reciprocating/centrifugal type) for pumping gauging water to cementing hoppers.
 - n) **Welding & Cutting Set:** 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 spark arrestor and should Meet CPCB (Central Pollution Control Board) - II compliance for Exhaust Emission and Noise within 75 dba at 1 mtr. Oxy-acetylene gas cutting set shall comprise of the following items: 1. Regulators 2. Cutting Blowpipe 3. Flashback arrestors for cylinders 4. Torch mounted Flashback arrestors 5. Cutting Nozzles 6. Hoses with Connectors 7. Oxygen and acetylene cylinder. All consumables shall be supplied by the Contractor

N) DROP-IN TYPE DRIFT RECORDER: One (1) set of 0-16 degree double recorder complete with barrel and all required accessories including charts & chart reader, etc. Adequate nos. of baffle plates for various bit sizes shall also be provided by the Contractor.

O) SLICK LINE WINCH:

P) BUG BLOWER: One (1) bug blower for use at rig floor.

Q) OTHER PROVISIONS TO BE MADE AVAILABLE BY CONTRACTOR:

- a) 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. 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.
- b) Contractor shall make, maintain and use drilling mud as per drilling policy with water loss, weight, viscosity in accordance with mud programme as the 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 at least twice each hour for weight and viscosity. The contractor shall record the result of such tests and use of mud and mud chemicals in its daily drilling report. Contractor will also be required to keep hourly record of mud weight, viscosity (in and out), active tank volume etc. making and maintaining the drilling fluid will be contractor's responsibility at his own cost. The detailed mud testing is to be carried out at the well site laboratory twice everyday by Contractor.
- c) For / during well testing (Production Testing)

(i) SCHEDULE - 1

- 1. Making & breaking including stacking and running in of production tubing (both 3.1/2" OD EUE and/or 2.7/8" 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-Mas tree and installation of the same.
- 4. Oil string casing hermitical testing to be done by the Drilling Contractor in presence of Company Representative.
- 5. Making necessary tubing/ casing connections to the Surface production testing set up.
- 6. To assist the Production Testing service provider in placing and hooking up of the production equipment namely Tanks, Separator, Steam jacket, ground X-Mas tree etc. and test the same before commissioning as per the requirement.
- 7. To make the gas flare line to the flare pit.
- 8. To prepare/maintain the tubing tally including any down hole production equipment run as per standard practice.
- 9. 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.

(ii) 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 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.

4.3 GROUP - III (MUD /AIR/WATER/FUEL SYSTEM)

A) MUD SYSTEM

- a) A mud system having an active capacity of minimum 2000 BBLS with reserve capacity of minimum 1000 BBLS (i.e. gross capacity of minimum 3000 BBLS), 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 25 HP 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.

- b) The mud system should include the following:
- i. Minimum Two (2) units of scalper shakers with suitable flow divider. Each unit of scalping shakers should be capable of handling at least 500 GPM and complete with sufficient number of screens from 40 to 60 mesh size and sand traps. The scalping shakers should be mounted on stand so that the mud from the flow line is initially diverted on scalping shakers & the under flow from scalping shakers flows to the secondary shakers by gravity (i.e. bi-level installation).

and

Minimum Three (3) units of minimum 7G High force Speed Linear Motion Shale Shakers [LMSS] with suitable flow divider. Each unit of LMSS should be capable of handling at least 500 GPM [With 110 pcf water/ polymer based

mud] and complete with sufficient number of screens ranging from 80 to 120+ mesh size for drilling various hole sections.

- ii. One (1) unit of Linear Motion Mud Cleaner, capable of handling at least 1500 GPM [110 pcf water/ polymer based mud], having screen size up to 325 mesh size with Desander & Desilter installed over it (Underflow of Desander & Desilter diverted over the shaker screen) having the following capacities:
 - 1) Desander (Hydro cyclone type) capacity at least 1500 GPM, (With min. 2 cones) complete with TRW Mission (8" x 6" x 14") or equivalent centrifugal pump driven by minimum 100 HP electric motor.
 - 2) Desilter (Hydro cyclone type), capacity at least 1500 GPM, (With 16-20 cones arranged in 2 rows or circular arrangement) complete with TRW Mission (8" x 6" x 14") or equivalent centrifugal pump driven by minimum 100 HP electric motor.
- 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. One (1) Poor Boy degasser / mud gas separator (MGS) of approx. 48" diameter capable of handling minimum 1000 GPM of fluid and complete with inlet from flow line and choke manifold, one outlet, one drain, one 8" vent and one 20" man way.
- v. 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.
- vi. Mud mixing system, consisting of low pressure hoppers and electric motor driven centrifugal pumps. The System should be capable of mixing mud up to 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.
- vii. Jet shearing device: one no.
- viii. 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 at site.
- ix. 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 pcf mud [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 Contractor must provide HSD for spotting on chargeable basis. 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 120 bbls LWC and infrastructure to utilize the LWC at any moment for releasing stuck pipe, if the situation so demands, and which shall be provided by the contractor in sufficient quantity and as many times as needed.
- xiii. One pre-flush tank of 60 bbl. capacity, one slug tank within the suction tank of approx. capacity 60 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) Hand rails 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) complete with all accessories for cleaning the screens of shale shaker & mud cleaner.
- c) **CABIN FOR MUD ATTENDANT:** A cabin of approximate 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 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 IS/IEC/EN:60079-0:2011 & IS/IEC/EN:60079-1:2007.
- d) **TOOLS & SPARE PARTS:** Contractor has to provide all spares, tools and consumables (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 consisting of the following minimum items with all required instrumentations:

- i) Two Nos. electric motor driven reciprocating / screw air compressors each having a capacity of min. 120 CFM FAD at 125 psig working pressure, complete with all accessories.

- ii) One number cold start compressor capacity minimum 90 CFM FAD at 150 psig rated working pressure, driven by diesel engine.
- iii) Air receiver(s) hydraulically tested within last three years with documentary evidence having a total capacity of 100 CFT and rated for 265 psig test pressure complete with air dryer, safety relief valve, pressure gauge, condensate trap etc.
- iv) Air dryer of suitable capacity to handle the air requirement of the pneumatic system of the drilling rig.
- v) A skid mounted secondary air receiver of 100 CFT capacity and rated for 265 psig test pressure fitted with pressure relief valve, pressure gauge, condensate drain cock. The secondary air receiver will be placed near the substructure.

C) WATER SYSTEM: The water system should conform to the minimum requirements as given below for guidance.

(a) Three Nos. water tanks (also to be used as gauging water tank):

Three Nos. tanks with covered top, drain out valve, equalizing coupling ladders both in and out of tank. Each tank shall have a man hole opening of 20" x 20" to go inside for cleaning purpose. All the three tanks should be interconnected to facilitate suction from any of the tanks; however, there should be valves to isolate each tank if operation demands. Two of the three water tank shall have two mixing agitators for homogeneous mixing of chemicals (gauging water) and also the tanks shall have minimum dead volumes.

Total storage capacity: 150 cubic meter (approx.)

Two Nos. centrifugal pumps (as water booster) having capacity minimum 80 m³ per hour and 26 m (minimum) head with 40 HP explosion proof 415 volts, 50 Hz, 3 phase electric motors and complete with suction and discharge lines for operation of either or both pumps. The pump units should be mounted on a single oilfield skid.

One set piping: Std. size & complete with suitable valves for supply of water to mud system from the above 3 tanks.

Two (2) Electric motor driven horizontal multistage centrifugal pumps set complete with piping/ Dresser type couplings and butterfly valves 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.

(b) Water Supply:

The Contractor shall be responsible for arranging, 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.

The Contractor shall be responsible for arranging suitable capacity pump & all required accessories for drawing water from ground or nearby available water sources (such as river, lake, spring, etc.) with all necessary piping, and other set-up.

One source water supply pump with independent source of power must be available for water supply to fire tanks in case of emergency.

D) FUEL SYSTEM:

Suitable fuel system consisting of minimum Two (2) nos. of fuel (diesel) tanks each with a capacity of approx. 40 KL and complete with fuel pre-filters & two electric motor driven fuel transfer pumps. In order to store 80 KL of HSD at well site necessary Explosive License as per Indian PETROLEUM RULES, 2002 by Govt. of India under PETROLEUM ACT, 1934 should be obtained by the contractor if it is required by local administrative authority.

NOTE:

- i) In case, the rig remains idle for want of a minimum required quantity of acceptable quality water (as per the following parameters), then 'NIL' day rate shall be applicable for the entire period of shut-down.

Characteristics	Acceptable Limits (as per BIS, IS-10500-2012)
Odour	Agreeable
PH	6.5 to 8.5
Turbidity	5.0 NTU (Max.)
Chorides (as Cl-)	250 mg/l (Max.)
Total Hardness (as CaCO ₃)	200 mg/l (Max.)
Iron (as Fe+2)	0.3 mg/l (Max.)
Total Dissolved Solids	500 mg/l (Max.)
Alkalinity (as CaCO ₃)	200 mg/l (Max.)
Mineral Oil	0.5 mg/l (Max.)

- 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 sub-surface 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.

E) ELECTRICITY:

- (a) 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 should be provided in the camp, campsite, and drill site by the Contractor. Supply of electricity to Company's or Company's hired mud logging unit and other equipment which operate on electric power shall also be the Contractor's responsibility at their cost. The Contractor must provide facility for running all electrical equipment of Company or Company's hired third party services & 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. In addition the Contractor must provide at least 1 (One) No. of white Flasher type and two continuous glow red aviation warning light for fixing at mast and conforming to API standard, which shall be used as per OIL's instruction.

- (b) All electrical equipment that are to be used in "zone 1" & "Zone 2" of hazardous area of oil mines 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 IS/IEC/EN:60079-0:2011 & IS/IEC/EN:60079-1:2007.

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 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.

Permission for deployment of the rig shall be withheld unless such Test Reports are received.

(c) **Transformer, Lighting Transformer, Generator**

In case of 3-phase and 4 wire systems & the middle conductor of a 2 phase 3 wire system - The neutral conductor shall be earthed by not less than two separate and distinct connections with a minimum of two different earth electrodes or such large number as may be necessary to bring the earth resistance of neutral to a satisfactory value [CEA Regulation 41(i)].

- (d) The neutral system should be such that, the fault current shall not be more than 750 mA in installations of voltages exceeding 250V and upto 1100 volt system for oil mines. The magnitude of the earth fault current shall be limited to the above value by employing suitably designed restricted neutral system of power supply [CEA Regulation 100(1)].

Bidder shall provide details of such arrangement in the technical bid.

(e) **Earth leakage protective device:**

All the outgoing feeders for motor control, lighting (of voltage not exceeding 250V) shall be provided with earth leakage protective device so as to disconnect the supply instantly on the occurrence of earth fault or leakage of current [CEA Regulation 42].

- (f) All the electrical equipment, PCRs, Diesel tanks, Mud tanks, Mast, Bunk houses, storage etc. should be double earthed (i.e. with two separate and distinct connection) [CEA Regulation 41(xii)].

(g) **Documents required with techno-commercial bid:**

The bidder should furnish the following alongwith their techno-commercial bid.

- i) Single line power flow diagram of the rig.
- ii) A Plan layout of electrical equipment used in the rig.
- iii) Details of all electrical equipment used in the rig as per format given in Annexure-IV.
- iv) Details of all cables, light fittings, push button stations, plug & sockets, junction boxes, motor, starters etc. used in the rig as per the format given in Annexure – V.

- v) Details of rig electrical as per the format given in Annexure – VI, Electrical.
 - vi) A layout of the complete Earthing system including Earthing of diesel tanks, PCRs, all motors, motor starters, alternators & any other electrical equipment used for the purpose.
 - vii) Copies of valid test reports for all the electrical equipment for use in Oilfields' hazardous areas, zone 1 and Zone 2, Gas Groups 2A and 2B, confirming to IS/IEC/EN: 60079-0:2011 & IS/IEC/EN: 60079-1:2007 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 as per clause no. 107 of OMR-2017 and subsequent notifications from DGMS.
- (h) **DCON** - Pressurized type driller's console and foot throttle should be used in the rig. Air purging system should be provided for the above.

(i) **COMMISSIONING REPORT & STATUTORY RECORDS:**

The following minimum reports and records are to be maintained by the Contractor -

- Equipment commissioning record and statutory record registers
- Insulation resistance of all motors, generators, cables, distribution board, transformer etc. (in each rig up).
- Record of Earth resistance of all electrodes (in each rig up) [CEA Regulation 41(xvii)].
- Test record of RCCBs (once every 3 months) [CEA Regulation 100(3)].
- Maintenance of FLP equipment (yearly).
- Log sheet for Mines and Oil-Fields (daily) as per Schedule-XIII of CEA Regulation.
- Any other record that may be required by statutory authorities / Company for operational or safety reasons.
- As per DGMS circular & Gazette Notification for Maintenance of register as required by the Mines Act 1952 and Mines Rules, 1955, the forms A, B, D and E have been updated and modified. The above mentioned forms needs to be maintained as per the new format.
- All other statutory forms to be maintained in respect to Mines Act, 1952, Mines Rules 1966, Oil Mines Regulations 2017 and other applicable laws.

Responsibility for maintaining of such records shall rest with the Chief Electrician (on behalf of the Contractor).

(j) **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.

(k) **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.

F) MISCELLANEOUS ITEMS:

- (a) Dog house
- (b) Storage and tool house.

G) 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]

- (a) **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.
- (b) **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 stand pipe manifold & one on each mud pump)
 - Tong torque gauge
 - Rotary torque gauge
 - Rotary RPM meter
 - Individual pump SPM counter for each rig pump.
- (c) **Advanced Instrumentation System:** NOV MD Totco Drill watch or equivalent system 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.

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.

Audio visual alarm shall be provided for the following minimum parameters:

- 1. Active Pit Level
 - 2. Mud Return Flow Rate High/Low
 - 3. Rate of Penetration High
 - 4. Pump Pressure High/Low
 - 5. Block Proximity Crown & Floor
- (d) **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 Dog house/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.

- (e) **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.
- (f) **Portable gas detectors:** Minimum 3 nos. of Portable Gas Detectors, suitable for H₂S, CO & CH₄ gas shall also be available.
- (g) **Self-Contained Breathing Apparatus:** 4 nos. of Protective Self-Contained Breathing Apparatus (SCBA), 8 nos. of Gas Mask Respirator with sufficient filters for H₂S environment.
- (h) **Electrical measuring/testing instruments.**
- (i) **Noise and Illumination level measuring instruments.**

Note:

1. 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.

2. 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.

3. Documents required with techno-commercial bid:

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 OMR- 2017 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.

H) MOBILE EFFLUENT TREATMENT PLANT / EFFLUENT MANAGEMENT

One (1) Full-fledged Mobile Effluent Treatment Plant (ETP) with laboratory facility to treat the solid and liquid effluent from well & plinth and to match the requirements for drilling locations in N.E region in line with the recent guidelines from Ministry of Environment and Forest and Climate Change (MoEF & CC), Central Pollution Control Board (CPCB), State Pollution Control Board (SPCB) and safe disposal of Oil, Drilling Effluents as below .

1. **Capacity:** The ETP shall have the capacity to treat 50 to 150 cubic meters of effluent per day. For solid effluent, it shall have the capacity to handle 50 cubic meters input per day including solid cakes come from mechanical separation unit.
2. The liquid and solid output from the ETP shall conform to the prevailing CPCB & SPCB norms and follow MoEF & CC guidelines published from time to time. The liquid output coming out from ETP (treated effluent) shall be within the permissible limits laid down by State Pollution Control Board (i.e. Onshore Discharge Standards for Liquid Effluent from Oil Drilling).
3. The treatment process shall be of chemical separation and mechanical separation. The treatment of liquid effluent should be by coagulation & flocculation and Reverse Osmosis (RO) methods, however, the treated liquid effluents shall meet norms of CPCB guidelines..
4. The plant shall be inside mining area and shall comply with OMR 2017.
5. All electrical equipment 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 IS/IEC/EN:60079-0:2011 & IS/IEC/EN:60079-1:2007.

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.

Permission for deployment of the rig shall be withheld unless such Test Reports are received.

6. Laboratory facility with competent personnel to test and report output analysis.
7. ETP shall be in sound operating condition from the day of spudding till completion of effluent treatment of entire effluent after declaration of ILM to next location.
8. All spares, consumables, chemicals, etc. required for smooth running of Effluent Treatment Plant is the sole responsibility of the Contractor.
9. Contractor shall use a suitable drier system to treat the solid cuttings to achieve fairly dry cuttings and dispose off the treated solid / sludge at a suitable place as specified by the company (within the well plinth).
10. Treated water sample analysis reports have to be certified by SPCB at two weeks interval or the frequency as required by SPCB and the same to be submitted to Company's representative. In case of any negative report,

remedial / corrective measures should be taken immediately to correct/rectify the system.

11. Provision for transferring effluent from different areas of drill site (as & when required) to the effluent pit is to be made by the Contractor in order to keep the well plinth clean.
12. Contractor shall make all arrangements including pumps, valves & other fitting or any other means of disposal including water tanker to dispose-off treated water outside & away from the drill site / installation with the consent of State Pollution Control Board without any liability / obligation on part of Company. Company reserves the right to utilize / recycle the treated water, to the extent of its requirement for which the contractor shall make all necessary arrangements including pumps, pipes, valves & other fittings within the radius of 250 Mtrs. However, the expected elevation will be around 10 mtrs.
13. **Special Note(s)**
 - (a) The Chief Electrician engaged by the Contractor shall have the responsibility of operation, maintenance and support of the electrical equipment of the ETP plant.
 - (b) All electrical records of the ETP plant should be maintained by the Chief Electrician. These records should be presented for scrutiny as and when required by statutory authority / Company.

GENERAL NOTES:

- (a) 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.
- (b) Approximate transportable dimension of one rig load should be confined to 9 M (L) x 3.5 M (W) x 3 M (H) or as permissible as per prevailing Motor Vehicle (MV) act of India.
- (c) 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.
- (d) 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 techno-commercial bid.

- (e) The Contractor shall stock, adequate quantity of screens (mesh sizes 16, 40, 60, 80, 100, 120, 140, 175, 210, 240, etc. or equivalent.) for shale shaker and size 175 and beyond for mud cleaner. Simultaneously, enough stock of desander /desilter / mud cleaner cones & other spares shall also be maintained by the Contractor.
- (f) 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 responsibility of the Contractor, if no water is found at the exact camp or well site.

The Contractor shall inspect the proposed drill sites & surrounding areas to ascertain availability of water including natural resources. Contractor will be solely

responsible for drawing water for drill site &/or camp site from such natural resources.

- (g) Supply of LDO/LWC for mud preparation and for meeting other downhole eventualities will be the company's responsibility. Contractor to provide HSD in case of stuck pipe situation for spotting and payment thereof at actual will be made by the Company. However, for no other reasons Company will reimburse the cost of HSD.
- (h) All sorts of lubricants for day to day operation of various rig equipment shall be supplied by the Contractor. Also, various spares for rig components shall be stocked / supplied by the Contractor.
- (i) 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.
- (j) Wire line Logging Service: All logging requirements as depicted in the drilling programme will be met by OIL through its in-house or through logging service Providers.
- (k) **Well killing:** Normal well killing operations as required during drilling / production testing should be carried out by the Contractor. In case of any well kick situation it will be the sole responsibility of Contractor to handle & control the kick and to kill the well. In case of any blow out situation the Contractor shall do his best for controlling the same however, OIL shall render help in providing the required assistance from civil administration & fire service when such a situation arises. Contractor needs to extend all help as required by the company (OIL) with rig-crew & infrastructure under the contract. Competence of the Contractor's well killing operation under such circumstances shall be decided by OIL. Based on this, OIL reserves the right to bring any 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.
- (l) All the engines to be used in rig package should preferably be EURO-3 compliant.

4.4 CIVIL ENGINEERING WORKS

4.4.1 The approximate well plinth preparation for a similar drilling rig with the Company is broadly as follows:

- i) Approx. plinth areas : 6500 Sq. m
- ii) Concrete volume : 250 to 280 cum
(For foundations of slush pumps, drilling rig, rig engines, etc.)
- iii) Hard standing area : 3800 Sq.M
- iv) Effluent pit volume:
8,00,000 gallons for Development well.
10,00,000 gallons for Exploratory well.
- v) Safe Bearing Capacity : 8.0 Kg/Sq.cm

The Contractor may use the above information as a guide line only. The Contractor's and OIL's responsibilities in this regard are defined below.

4.4.2 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 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 foundation.
- f) 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 ever as per prevailing practice.
- g) The foundation for derrick leg, mud pumps, engines, 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.

4.4.3 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.

NOTE:

- i) 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.
- ii) 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.
- iii) The Civil materials required for camp maintenance shall be supplied & arranged by the Contractor.

4.5 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.

A. MUD ENGINEERING SERVICES:

Mud Engineering Services shall be the responsibility of the Company / Mud Engineering Service Provider (engaged by the Company). The Rig Contractor shall render all necessary help for smooth operations of the mud engineering services including but not limited to tank cleaning (periodical / during repairing of agitators), loading during well killing / mud loss (if any) etc. Boarding & Lodging facility at site for two Mud Engineers free of charge shall have to be provided by the Contractor.

B. 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 two Cementing personnel free of charge shall have to be provided by the Contractor during the call out period.

- a) The Contractor shall provide the following tools, equipment and services to enable OIL to carry out the jobs successfully.
 - i) Suitable Compressor for loading/off-loading of oil well cement at well site. The requisite spares for compressor is to be maintained by contractor.
 - ii) Slush pumps shall be used (individually or in conjunction) to pump cement slurry. Expected parameters are 3500 psi, (max.) 400 GPM.
 - iii) Unloading of oilwell cement from transport silos to field silos & vice - versa at well site.
 - iv) OIL's Field storage silos if attached to the rig shall be rigged up / down, operated, maintained and transported by the Contractor.
 - v) 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.
 - vi) 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.
 - vii) Contractor shall assist to deploy all other cementing services/contract which may be provided by company in future.
 - viii) Slurry mixing/gauging water pump, reciprocating type of adequate pressure and volume, during entire cementing operation. The pump should be Make-Bourn Drill Model-MP10-7.5 or suitable equivalent having following specifications:

Liner size: 6"	Stroke length: 10"
Discharge Vol.: 427 US GPM.	Max. Discharge Pressure: 574 PSI
Input Horse Power: 75 HP	Engine: 6YDA, 92 HP at 1800 rpm
- b) The Contractor shall be required to assist OIL in performing all cementation jobs at all the wells.
- c) 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.
- d) 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.
- e) **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 at the time shall be fixed by OIL. The Contractor shall render all personnel, machinery, infrastructure (as described above), water, air, etc. to carry out the jobs successfully.

It is to be specifically understood that all slush pumps of the Contractor may be used for cementing operation and Operating day rate shall be applicable during this period. If OIL carries out the cementing operation using Contractor's items other than the slush pump during pumping of cement (pumping of cement when done by a cementing unit) and uses the slush pump only for displacement of cement, Operating day rate shall still be applicable during the entire period from the beginning to the end of cementation operation.

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.

One additional high-pressure (7500 psi) discharge line (minimum 3" dia) other than standard mud pump delivery line is necessary. This particular line, connecting all 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. There should be option of utilizing all the rig pumps as well as cementing units for carrying out cementation jobs. The 3" dia. HP line must have provision for receiving delivery from all rig pumps with adequate isolating facilities.

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 all 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.

Pre cementation equipment readiness

The contractor shall thoroughly clean-up and make all cementing suction and delivery lines from slurry mixing/preflush 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.

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.

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.

C. 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.

D. 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.

E. 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

F. 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.

G. 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.

H. 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.

I. COLD CASING CUTTING SERVICES:

Contractor shall provide cold casing cutting services, if necessary, to cut casing at well head after setting slip seal assembly.

J. 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 4.5 above.
2. **Charge for food:** Charges for food for each additional Company's or Company designated persons (in excess of 25 persons per day) shall be paid extra per meal, to be computed on the basis of individual meals.
3. **Kitchen:** State of the art skid mounted modular hygienic kitchen having four burner stove, fridge, oven, cutting table, Atta mixer, exhaust, serving window, washing area, storage, etc. should be used for cooking.

Note: Cooking in temporary sheds will not be acceptable.

K. MEDICAL SERVICES:

Suitable first aid medical services shall be provided by the Contractor on round the clock basis with an attending Medic or 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.

L. CAMP INFRASTRUCTURE & FACILITIES:

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.

M. SAFETY EQUIPMENT / SERVICES:

- i) **Safety:** The Contractor shall observe all safety regulations in accordance with acceptable oilfield practices and applicable Indian Laws including provisions of OMR, OISD, CEA Regulations, MoEF & CC, CPCB & State Pollution Control Board. The Contractor shall take all measures necessary to provide safe working conditions and shall exercise due care and caution in preventing fire, explosion and blow out and maintain fire and well control equipment in sound condition at all times. The Contractor shall conduct such safety drills, BOP tests, etc. as may be required by the Company at prescribed intervals.
- ii) Fire protection at drilling sites shall be the responsibility of the Contractor. At least three of the rig operating personnel on any shift at the rig site should have training in basic firefighting course (from any board or an institute recognized by state/central government of India) as per OISD-GDN-228.
- iii) One ambulance with dedicated driver and with all basic facilities like stretchers, oxygen cylinders, first aid facilities, blankets, splints, etc. as per OSID shall be kept standby round-the-clock at well site to meet any emergency.

N. OTHERS:

- i) The Company shall provide one no. chemical godown with floor space of approx. 660 Sq. ft. of appropriate dimensions with proper raised brick soled cemented/ wooden flooring for storing of chemicals, LCM etc.
- ii) The Contractor shall assemble, dismantle, and move all Company's designated items attached with the rig without any obligation to the Company.

O. PERSONNEL TO BE DEPLOYED:

- i) 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 has to be as per the following norm with the indicated key personnel:

Position	Total per day	Day time shift	Night time Shift	Off	Allocated per Rig
Rig Manager / Rig Superintendent	1	1		1	2
Tool pusher	1	1	-	1	2
Tour pusher	1	-	1	1	2
Driller	2	1	1	2	4
Assistant Driller	2	1	1	2	4
Derrick men / Top man	4	2	2	4	8
Roughneck / Floor man	8	4	4	8	16
Chief Mechanic	1	1		1	2
Electrical Engineer / Chief Electrician	1	1		1	2
Mechanic	2	1	1	2	4

Electrician	2	1	1	2	4
Welder	1	1		1	2
ETP Supervisor	2	1	1	2	4
Lab Assistant for ETP	2	1	1	2	4
HSE Officer	1	1		1	2
Medic / Doctor	1	1		1	2
Crane Operator	1	1		1	2
Roustabout / Unskilled Labour	8	4	4	8	16
Catering Personnel	As required				
TOTAL*	41			41	82

* Excluding catering personnel. Additional requirements of manpower as envisaged for smooth execution will entirely be arranged by the Contractor without any extra charge to Company.

- ii) The Rig Manager / Rig Superintendent have to be present at site all the times and should report to & liaison with Company's representative for daily operations meeting & carrying out day-to-day operation smoothly.
- iii) **KEY PERSONNEL:** The qualification and experience of the key personnel are to be as under:

a. RIG MANAGER/RIG SUPERINTENDENT

i) **Qualification & Experience:**

Personnel	Education Qualification (Compulsory)			Oil Field Experience on Drilling Rig				Minimum Required (8 Marks) And a. Should have worked at least 2 years as Rig Manager / Rig Superintendent. b. Should be conversant with working in diesel electrical rigs/supplied rig. c. Should be conversant with mud chemicals & maintenance of mud property. d. Should have completed at least 3 (three) wells of minimum 5000m depth.
	Class XII or SSC or HS passed	B.Sc. or Diploma in Engineering	Engineering Graduate	Upto 5 Years	5 to 10 Years	10 to 15 Years	15+ Years	
Marks	1	2	3	4	5	6	7	

ii) **Certification / License / Health:**

- a. Must possess valid well control certificate (IWCF-Supervisor Level / Level-4 / **IADC WellSharp-L4**) and should be conversant with well control methods to take independent decisions in case of well emergencies.
- b. Should be of sound health to work in adverse weather condition in drilling well.

b. TOOL PUSHER:

i) **Qualification & Experience:**

Personnel	Education Qualification (Compulsory)			Oil Field Experience on Drilling Rig				Minimum Required (8 Marks) And
	Class XII or SSC or HS passed	B.Sc. or Diploma in Engineering	Engineering Graduate	Upto 5 Years	5 to 10 Years	10 to 15 Years	15+ Years	
Marks	1	2	3	4	5	6	7	e. Should have worked at least 1 year as Tool Pusher. f. Should be conversant with working in diesel electrical rigs/supplied rig. g. Should be conversant with mud chemicals & maintenance of mud property. h. Should have completed at least 2 (two) wells of minimum 5000m depth.

ii) **Certification / License / Health:**

- Must possess valid well control certificate (IWCF-Supervisor Level / Level-4 / **IADC WellSharp-L4**) and should be conversant with well control methods to take independent decisions in case of well emergencies.
- Should be of sound health to work in adverse weather condition in drilling well.

c. TOUR PUSHER / NIGHT TOOL PUSHER:

i) **Qualification & Experience:**

Personnel	Education Qualification (Compulsory)			Oil Field Experience on Drilling Rig				Minimum Required (8 Marks) And
	Class XII or SSC or HS passed	B.Sc. or Diploma in Engineering	Engineering Graduate	Upto 5 Years	5 to 8 Years	8 to 12 Years	12+ Years	
Marks	1	2	3	4	5	6	7	a. Should have worked at least 1 year as Tool / Tour Pusher. b. Should be conversant with working in diesel electrical rigs/supplied rig. c. Should be conversant with mud chemicals & maintenance of mud property. d. Should have completed at least 1 (one) well of minimum 5000m depth.

ii) **Certification / License / Health:**

- Must possess valid well control certificate (IWCF-Supervisor Level/Level-4/**IADC WellSharp-L4**) and should be conversant with well control methods to take independent decisions in case of well emergencies.
- Should be of sound health to work in adverse weather condition in drilling well.

d. DRILLER:

i) Qualification & Experience:

Personnel	Education Qualification (Compulsory)			Oil Field Experience on Drilling Rig				Minimum Required (7 Marks) And a. Should have worked at least 1 year as Shift-in-charge / Driller. b. Should be conversant with working in diesel electrical rigs/ supplied rig. c. Should be conversant with mud chemicals & maintenance of mud property. d. Should have completed at least 1 (one) well of minimum 4000m depth.
	Class XII or SSC or HS passed	B.Sc. or Diploma in Engineering	Engineering Graduate	Upto 5 Years	5 to 10 Years	10 to 15 Years	15+ Years	
Marks	1	2	3	4	5	6	7	

ii) Certification / License / Health:

- Must possess valid well control certificate (IWCF-Driller Level / Level-3) and should be conversant with well control methods **to to take independent decisions in case of well emergencies.**
- Should be of sound health to work in adverse weather condition in drilling well.

e. ASSISTANT DRILLER:

i) Qualification & Experience:

Personnel	Education Qualification (Compulsory)			Oil Field Experience on Drilling Rig				Minimum Required (7 Marks) And a. Should have worked at least 1 year as Asst. Driller / Head-man. b. Should be conversant with working in diesel electrical rigs/ supplied rig. c. Should be conversant with mud chemicals & maintenance of mud property. d. Should have completed at least 1 (one) well of minimum 4000m depth.
	Class X passed	Class XII or SSC or HS passed	B.Sc. or Diploma in Engineering	1 to 4 Years	4 to 6 Years	6 to 8 Years	8+ Years	
Marks	1	2	3	4	5	6	7	

ii) Certification / License / Health:

- Must possess valid well control certificate (IWCF-Driller Level / Level-3) and should be conversant with well control methods to **take-independent decisions in case of well emergencies.**
- Should be of sound health to work in adverse weather condition in drilling well.

f. DERRICKMAN / TOPMAN:

i) **Qualification & Experience:**

Personnel	Education Qualification (Compulsory)			Oil Experience		Field on		
	Class VIII passed	Class X passed	Class XII or SSC or HS passed	1 to 2 Years	2 to 5 Years	5 to 8 Years	8+ Years	
Marks	1	2	3	4	5	6	7	

Minimum Required (6 Marks)
And
Should have worked at least 1 year as Derrickman / Top-man.

ii) **Certification / License / Health:**

- a. Should be of sound health to work in adverse weather condition in drilling well.

g. ROUGHNECK / FLOOR-MAN:

i) **Qualification & Experience:**

Personnel	Education Qualification (Compulsory)			Oil Experience		Field on		
	Class VIII passed	Class X passed	Class XII or SSC or HS passed	1 to 2 Years	2 to 5 Years	5 to 8 Years	8+ Years	
Marks	1	2	3	4	5	6	7	

Minimum Required (6 Marks)
And
Should have worked at least 1 year as Roughneck / Floorman / Rig-man.

ii) **Certification / License / Health:**

- a. Should be of sound health to work in adverse weather condition in drilling well.

h. CHIEF MECHANIC:

i) **Qualification & Experience:**

Personnel	Education Qualification (Compulsory)			Oil Field Experience on Drilling Rig				Minimum Required (8 Marks) And i) Should have a minimum of 3 years' work experience as Master mechanic in drilling rigs. ii) 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.
	Class X passed	Class XII or SSC or HS passed	B.Sc. or Diploma in Mechanical Engg.	1 to 3 Years	3 to 6 Years	6 to 8 Years	8+ Years	
Marks	1	2	3	4	5	6	7	

i. ELECTRICAL ENGINEER / CHIEF ELECTRICIAN:

i) Qualification & Experience:

Personnel	Education Qualification (Compulsory)		Oil Field Experience on Diesel Electric (AC-SCR / AC-VFD) Drilling Rig			Minimum Required (5 Marks) And 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.
	Diploma in Electrical Engg.	Graduate in Electrical Engg.	3 to 5 Years	5 to 8 Years	8+ Years	
Marks	1	2	4	5	6	

ii) Certification / License / Health:

- a. Must possess valid Electrical Supervisor's Certificate of Competency No 1, 2, 3, 4 & 8 (Mining Part) issued by State Licensing Board and should be conversant with Oil Mines Regulations and Electricity rules.

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.

- b. Should be of sound health to work in adverse weather condition in drilling well.

Note: ***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.***

j. MECHANIC (IC) / (PUMP)

i) Qualification & Experience:

Personnel	Education Qualification (Compulsory)			Oil Field Experience on Drilling Rig				Minimum Required (8 Marks) And i) Should have a working experience as Mechanic in drilling rigs. 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.
	Class X passed	Class XII or SSC or HS passed	B.Sc. or Diploma in Mechanical Engg.	1 to 3 Years	3 to 6 Years	6 to 8 Years	8+ Years	
Marks	1	2	3	4	5	6	7	

k. ELECTRICIAN:

i) **Qualification & Experience:**

Personnel	Education Qualification (Compulsory)		Oil Field Experience on Diesel Electric (AC-SCR / AC-VFD) Drilling Rig			Minimum Required (5 Marks) And Should be able to read circuits, communicate, detect and rectify faults.
	ITI (2 Yrs. Course Preferably from Govt. recognized Institute) in Electrical Discipline	Diploma in Electrical Engg.	3 to 8 Years	8 to 10 Years	10+ Years	
Marks	1	2	4	5	6	

ii) **Certification / License / Health:**

- a. Must possess valid Electrical Work Permit 1 & 2 Certificate of competency issued by State Licensing Board.

Validity of permits – Must have a valid workmen permits, allowing them to work in the state / region where they are deployed. Responsibility for ensuring adherence to these norms rests with the contractor.

- b. Should be of sound health to work in adverse weather condition in drilling well.

l. WELDER:

- i) Should have at least one year of experience in oil industry and must be conversant in welding / cutting of casing and well head accessories.
- ii) Must possess the valid certificate of welding trade from any recognized institute of State Govt.

m. SUPERVISOR FOR EFFLUENT TREATMENT PLANT: Should be of sound health and have at least two years' work experience in E&P Company. He shall have minimum qualification - degree of B.Sc. in Chemistry /

Environmental science from Government recognized University and shall be conversant to all the SPCB, CPCB, DGMS, OISD & MoEF guidelines.

- n. LABORATORY ASSISTANT FOR ETP:** Should be of sound health and have at least two years' work experience in E&P Company. He shall have minimum qualification of SSLC / Higher Secondary / Twelfth Pass or equivalent from recognized University / Board in science stream and shall be conversant to all the SPCB/ CPCB guidelines.
- o. HSE Officer:**
- i) Should be of sound health and have work experience in an E & P Company of about 1 year.
 - ii) Duties and responsibilities include safety (including pollution control) during drilling site preparation, rig up, rig down & rig move, raising & lowering mast, rig floor operations like making & lowering of BHA, cementing jobs, tripping in / out of tubular, safety meeting during crew change, pre job safety meetings, routine inspection ETP, rig and well site, preparation of job specific SOP in local language, Bridging document, ERP (Emergency Response Plan), Risk Register, preparation of Job Safety analysis, Permit to Work systems, investigation & analysis of accidents, incidents & near miss. Any other duties related to HSE management in rig site and camp site.
 - iii) Shall follow all the conditions of EC (Environmental Clearance) and all DGMS, OISD & MoEF guidelines and submit return at specified intervals.
 - iv) Shall be responsible for designing 'Safe Briefing Area' and advising all personnel of the 'current' safe briefing area.
 - v) Shall be responsible for issuing safety equipment to all personnel arriving at rig and ascertain that all personnel use and maintain this equipment properly.
 - vi) Shall be responsible for designing location entrance and exit.
 - vii) **Qualification and Experience:** Should be a graduate in Engineering / Science / Environment or Diploma in Engineering / Environment and have work experience in E&P Company for at least one (1) year. 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. Should have knowledge on ISO, ISRS etc. 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.
- p. MEDIC / DOCTOR**
- i) **Qualification:** Must be minimum MBBS degree holder & registered medical practitioner.
 - ii) **Experience:** Shall have a minimum work experience of 2 years in any hospital / rig site drilling camp.
- q. HEAVY CRANE OPERATOR:** Should have a minimum of 2 years work experience in operating a heavy crane attached to drilling rigs and should possess valid license for driving heavy motor vehicle.

NOTE:

- a) An undertaking as per Annexure-VII from Contractor's all personnel should be submitted to Company after deployment of manpower prior to commencement of work/completion of mobilization.
 - b) The personnel deployed by the Contractor should comply with all the safety norms applicable during operation.
 - c) **Medical Fitness:** The Contractor shall ensure that all of the Contractor's Personnel shall have had a full medical examination (by a qualified and registered doctor) prior to commencement of the Drilling operation and **the certificates of all such personnel in form 'O' of The Mines Act 1952 should be submitted by the contractor.**
 - d) **Training Courses:**
 - i) The Contractor shall ensure that all of the Contractor's Personnel performing services hereunder shall have attended all relevant safety and operational training courses such as Mines Vocational Training (MVT), First Aid Certificate course (FAC), Fire Fighting (FF), etc. required by "The Mines Act 1952" & "OISD Guidelines" and as is generally consistent with international petroleum industry practice and/or as otherwise required by the Company.
 - ii) The Contractor shall submit copies of all such certificates prior to mobilization & also keep such records at well site for the Company's inspection as & when required.
 - e) Adequate number of experienced personnel to run the camp / kitchen / Mess smoothly should be kept. One Camp Boss on 24-hr basis will be responsible for smooth running of the camp/mess. Modular Kitchen and cooking shall be supervised by a qualified chef.
 - f) The 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 / tubing tong operator, services of unskilled labour as and when required for the following multiple jobs:
 - i) Chemical Helper – 4 nos. in 8 hourly shifts
 - ii) Engineering helper (Additional)
 - iii) Electrical helper
 - iv) Persons on rack during casing / tubing job.
- The workmen involved in carrying out electrical jobs should have valid electrical wireman permit issued by State Licensing Board.
- g) Bidder shall confirm in techno-commercial bid that they can provide key personnel with relevant qualification & experience and will furnish bio-data of key personnel with their photographs, supporting documents, certificates etc. as per Annexure III at least two months prior to completion of mobilization for approval of the company.
(Note: The contractor can deploy only the key personnel approved by the company)
 - h) Employment of personnel other than key persons 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.
 - i) On/off duty details of rig personnel should be indicated. The on-off pattern of rig personnel must comply with The Mines Act 1952 / The Oil Mine Regulation 2017 with latest amendment.

- j) 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. The age of key personnel except Rig Manager/Rig Superintendent should not be more than 50 (fifty) years. However, the Company reserves the right to accept personnel above 50 years of age with good health condition.
- k) 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 qualification/experience as indicated above and the Contractor should submit qualification / bio-data/photographs/experience / track record of the personnel. Moreover, the Contractor will have to obtain prior approval from Company for the relief personnel of the Contractor.
- l) The Company reserves the right to instruct the Contractor for removal of any Contractor's personnel who in the opinion of the Company is technically not competent or not rendering the services faithfully, or due to other reasons. However, the replacement personnel also must have the qualification/experience as indicated above. The Contractor should submit qualification/bio-data /photographs/experience/track record of the replacement personnel and obtain prior approval from the Company for their deployment. Replacement of personnel will be fully at the cost of the Contractor and shall be made by the Contractor within ten (10) days of such instruction.
- P. 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.

END OF SECTION-II

&&&&

Part-3
SECTION-III
SPECIAL CONDITIONS OF CONTRACT

- 1.0 DEFINITIONS:** Following terms and expression shall have the meaning hereby assigned to them unless the context otherwise requires:
- 1.1 **"Drilling Unit"** means drilling rig complete with pumps, power packs, mobile effluent treatment plant and other accessories and equipment as listed in the Contract.
- 1.2 **"Associated services"** means equipment and services, asked for, along with Drilling unit in this bid document. These include but not limited to mud engineering, deviation drilling tools, equipment & services; camp/catering/medical services, communication, safety & firefighting services well control services etc.
- 1.3 **"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.
- 1.4 **"Operation Base"** means the place or places, onshore, designated as such by company from time to time.
- 1.5 **"Site"** means the land and other places, on/under/in or through which the works are to be executed by the Contractor and any other land and places provided by the company for working space or any other purpose as designated hereinafter as forming part of the Site.
- 1.6 **"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.
- 1.7 **"Contractor's items"** means the equipment; materials and services, which are to be provided by Contractor or company at the expense of the Contractor, which are listed in section under terms of reference and technical specifications.
- 1.8 **"Contractor's personnel"** means the personnel to be engaged by the Contractor from time to time to provide service as per contract.
- 1.9 **"Contractor's representatives"** mean such persons duly appointed by the contractor thereof at site to act on Contractor's behalf and notified in writing to the company.
- 1.10 **"Facility"** means and includes all property of Company owned or hired, to be made available for services under this Contract and as described in this agreement which is or will be a part of the Company.
- 1.11 **"Certificate of Completion"** means certificate issued by the Company to the Contractor stating that he has successfully completed the jobs/works assigned to him and submitted all necessary reports as required by the Company.
- 1.12 **"Camp"** means the camp where the Contractor's personnel shall reside for carrying out the operations along with specified Company's personnel as per the contract.

- 1.13 **"Inter-location movement"** means transferring of complete rig materials from present location after rig release till spudding in of the next well.
- 1.14 **"Spudding-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.
- 1.15 **"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.
- 1.16 **"Petty Support Services"** as mentioned in Clause 16.1 under Section-I (General Conditions of Contract) mean support services like supply of chemical and plinth maintenance labourer, transport services required for daily Rig operation and catering services.

2.0 MOBILIZATION:

- 2.1 The mobilization of the Rig Package and associated services shall commence from the date of issue of the Letter of Award (LOA) for the Contract and continue until the complete drilling unit alongwith all equipment, tools, accessories, materials and manpower is properly positioned at the designated drilling location, rig-up operations completed and the well is actually spudded-in. The mobilization should be completed by Contractor within **150 (One Hundred Fifty) days** from the date of issuance of LOA. Mobilization shall be deemed to be completed when Contractor's equipment and manpower are placed at the nominated location in readiness to commence Work as envisaged under the Contract duly certified by the Company's authorized representative.

After the receipt of Letter of Award, Contractor shall submit fortnightly report or any other report as desired by Company showing progress in each activities of mobilization.

Company may inspect the rig package before mobilization. Thus, complete rig package should be offered 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.

- 2.2 The contractor will advise company at least 3 days before to commencement of operations (after mobilization/shipment and rig-up operation).
- 2.3 Mobilization charges will be payable after the commencement date (completion of mobilisation) as certified by the company.
- 2.4 Company at its discretion may allow spudding-in or continue drilling operations in well without complete mobilization. In such event an amount proportionate to the short supplied items will be withheld from mobilization charges. However, Contractor must indicate the tentative date of mobilization of such item(s)/equipment/accessories/tools.
- (i) The amount to be withheld from mobilization charges for short supplied items 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

withheld amount towards mobilization will be released to Contractor once the short supplied items are made available/supplied by the Contractor.

- (ii) 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.
- (iii) 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).
- (iv) Deduction of rental charges towards short supplied items will cease once the items are made available by the contractor at well site.
- (v) 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.
- (vi) 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.
- (vii) Notwithstanding this provision for partial mobilization bidder must quote in accordance with relevant clauses for full mobilization.

2.4.1 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 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 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.

- 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 (ii, iii & iv).
- 2.4.2 In case any item / equipment / accessories / tools are issued to Contractor on "outright sale" basis, the deduction shall be made as calculated by Company based on Company's determined cost from running monthly invoice / bill, which shall be treated as final, basis of which shall be provided to the Contractor. Moreover, the Contractor will have to collect the item / equipment / accessories / tools either from OIL's field headquarter, Duliajan, Assam, India or from any OIL's nominated place (within India) & to transport the same to respective well site at their cost. In such case the withheld amount towards mobilization will be released to Contractor once the short supplied items are made available at well site by the Contractor.
- 2.4.3 Mobilisation Incentive: For early mobilisation from the allowed 150 days mobilization time, a commercial benefit @ 0.5% per week on their quoted Mobilization Cost will be given subject to a maximum of 7.5% subject to complete mobilization with all items as per the scope.**
- 2.5 DATE OF COMMENCEMENT OF OPERATION:** The date on which the mobilization of entire rig package along with personnel, necessary tools & equipment etc. is completed at the first drilling location in all respects, i.e. complete drilling unit is properly positioned including completion of entire rig-up operations and the well is actually spudded in shall be treated as completion of mobilization. This will also be treated as the Commencement of operation of the Contract.
- 3.0 CONTRACTOR'S PERSONNEL**
- 3.1 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/approved by the Company.
- 3.2 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 arise at site.
- 3.3 The Contractor shall have offices at wellsite and as well as at Duliajan to be manned by competent personnel, who shall act for the Contractor in all matters relating to Contractor's obligations under the contract.
- 3.4 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, 'Terms of Reference / Technical Specification'** and Contractor should submit qualification/ bio-data / experience / track record of the personnel. Moreover,

the Contractor will have to obtain prior approval from Company for the relief personnel of the Contractor.

- 3.5 The Contractor shall provide all manpower for necessary supervision and execution of all work under this contract to Company's satisfaction except where otherwise stated. The minimum number of key personnel to be deployed is mentioned in this document.

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.

- 3.6 **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 **Clause No. 4.5 (O), Section-II**. The Contractor shall submit qualification/bio-data/experience/track record of the replacement personnel and shall obtain prior 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.
- 3.7 Contractor shall deploy on regular basis, all category of their employee required for economic and efficient drilling and other related operations.

4.0 CONTRACTOR'S ITEMS

- 4.1 Contractor shall provide Contractor's items and personnel 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.
- 4.2 The Contractor shall be responsible for maintaining at his cost adequate stock levels of Contractor's items including spares and replenishing them as necessary.
- 4.3 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.
- 4.4 Contractor will provide full water requirement at rig site and campsite. The camp should have proper water filtration plant or provide bottled drinking water.
- 4.5 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 including extension, on account of any price increase in fuel/lubricants etc.
- 4.6 Contractor will provide electricity at both drill-site and campsite for meeting both Contractors' as well as Company's & Company's third party requirement.
- 4.7 Nil day rates 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.

5.0 CONDUCTING DRILLING OPERATIONS

- 5.1 The Contractor shall carry out all operations mentioned hereunder with due diligence in a safe and workmanlike manner and in accordance with accepted international oilfield practices.

- 5.2 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 drilling rig.
- 5.3 The drilling Unit and all other equipment and materials to be provided by Contractor shall be in good working condition.
- 5.4 The drilling programme provided by company shall primarily include planning of the following:
- a) Well structure & deviation plan.
 - b) Casing programme.
 - c) Well head assembly including production well head.
 - 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) Wire line logging programme.
 - j) Mud hydraulics programme.
- 5.5 Well testing programme provided by the Company primarily may include the following:
- a) Well testing programme.
 - b) Well head assembly, blow out prevention system.
 - c) Details of workover 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.
- 5.6 Completion of drilling shall occur when the well has been 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.
- 5.7 Upon completion of a drilling well, statement stating that the well has been completed in accordance with the terms of this Contract and signed by the representatives of both Contractor and Company, will be made available to Company.
- 5.8 **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.
- 5.9 **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.

- 5.10 **Coring:** Contractor shall have to take either rat-hole or full-hole, conventional or diamond cores between such depths as specified by Company and in the manner requested by Company in consultation with Coring Service Expert, to be hired separately by Company alongwith relevant coring equipment.
- 5.11 **Cuttings Samples:** Contractor shall save and collect cuttings samples according to company's instructions and store them accordingly.
- 5.12 **Hole Inclination:** Contractor shall do his best in accordance with good oil field drilling practices to maintain the verticality or deviation of the hole as specified by the company in the drilling programme. Should the well deviation from planned profile & exceeds the specified limit, contractor will take necessary steps to bring the hole within permissible limit as requested by the company. The Contractor will deliver all such survey records to the company. No separate charge shall be payable for this service and it will be covered under per day rate.
- 5.13 **Planned Deviation Drilling:** Contractor shall do his best in accordance with good oilfield drilling practices to maintain planned deviation of the hole within the limit specified by the company in the drilling programme. The contractor shall deliver all deviation survey records to the company. However, OIL reserves the right to deploy / engage Deviation Drilling Services as third party services in order to maintain the desired hole profile to be drilled at its own discretion. In such case the Contractor should extend all required help to the service provider for carrying out the operation smoothly.
- 5.14 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 arranged and provided by the Company.
- 5.15 **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.
- 5.16 **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.
- 5.17 **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 will be provided either by Company or by Company's engaged third party service provider)

The cementation of casing / liner will be carried out either by Company or by Company's engaged 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.

- 5.18 The Contractor will maintain the well fluids in a manner satisfactory to the company. The parameter of the drilling fluid shall be maintained by the contractor in accordance with specifications and / or formulations set forth by the company. The Contractor is also required to provide all necessary assistance as per standard international drilling practice to Mud Engineering Service Provider (if engaged by the Company) for effective maintenance of drilling fluid parameters in accordance with specifications and/or formulations set forth by the Company.
- 5.19 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.
- 5.20 **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 the exercise of this clause.
- 5.21 **AMENDMENTS OF DRILLING AND COMPLETION PROGRAMME:** It is agreed that contractor shall carry out drilling, coring, testing, completions, abandonment, if any, and all other operations, in accordance with the well drilling and completion programme to be furnished by OIL, which may be amended from time to time by reasonable modification as OIL deems fit, in accordance with good oil field practices.
- 5.22 **APPLICABLE RATE FOR EXTENSION OF DRILLING BEYOND PROJECTION MADE IN TENDER (APPLICABLE FOR ALL SIZE & STAGES OF DRILLING):** It may be required to drill beyond the depth projected in this tender and also in those specified in well policy at no extra cost to OIL.
- 5.23 **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 obey those changes made by OIL from time to time, if any.
- 5.24 **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.

6.0 CONTRACTOR'S SPECIAL OBLIGATIONS

- 6.1 It is expressly understood that contractor is an independent contractor and that neither it nor its employees and its subcontractors 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 and company designated personnel at well site. The company's representative may, amongst other duties, observe, test, check and control implementation of drilling, casing, mud and testing programmes, equipment and stock, examine cuttings and cores, inspect works performed by contractor or examine records kept at well site by contractor.
- 6.2 **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.
- 6.3 **WELL RECORDS:** Contractor shall keep an authentic log and history of each well on the daily drilling report prescribed by the 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 proceeding 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 the company –

- 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 report on P.O.L. consumption.
- iii) Daily report on effluent management with chemical analysis report of the output samples.
- iv) Deviation charts/records on daily basis whenever applicable.
- v) Casing tally/Tubular tally details: After each job.
- vi) Well completion/well abandonment: 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.

- vii) Daily roster of contractor's personnel.
 - viii) Contractor shall maintain inventory of rig equipment & accessories at site, indicating their respective models, serial numbers, vintage, specifications etc. The Contractor shall maintain inventory list endorsed by the company representative and any addition & deletion of items will be intimated to company representative.
 - ix) All items including consumables if imported against Essentiality Certificate (EC) under 'concessional' Customs Duty shall be recorded in the proper format, indicating date of receipt, type, consumption, date of replacement etc.
 - x) 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 alongwith all relevant export documents.
- 6.4 **Confidentiality of Information:** All information obtained by contractor in the conduct of 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 the Contract.
- 6.5 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.
- 6.6 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** (ref. PART-4), towards which the recommendatory letters to the Directorate General of Hydrocarbons (DGH), New Delhi would be issued subsequently by Company on request for clearance of goods from Indian customs by Contractor at concessional rate of customs duty.
- 6.7 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 / material to Work place 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
- 6.8 In case the Contractor imports the equipment etc. on re-export 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 the 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 Security Deposit.

6.9 **INSPECTIONS:**

(a) **Pre-move Inspection:**

- (i) The Contractor shall engage an independent third party inspection agency acceptable to Company as listed at Clause 8.5 under BEC/BRC. Additionally, all tubular, drill string, and handling Equipment to be provided by the Contractor as specified below 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 3 standards.
- (iii) Copies of all inspections 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.

(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:
 - a. 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 4 at contractor's cost.
 - b. The Contractor shall carry out non-destructive test / inspection of Mast & Sub-structure prior to mobilization of the Rig such that the NDT certificate shall be valid for the entire duration of the contract.
- (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.

(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 to 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.

6.10 **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).
- iii) Fasteners and seal elements for BOP equipment must also be manufactured by the original equipment manufacturer (OEM).
- 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

7.0 **COMPANY'S SPECIAL OBLIGATIONS**

- 7.1 Company shall at its cost, provide items and services as shown in this document.
- 7.2 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.
- 7.3 **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.

8.0 **PAYMENTS, MANNER OF PAYMENT, RATES OF PAYMENT, FORCE MAJEURE ETC.**

- 8.1 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.

- 8.2 **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.
- 8.3 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 in question.
- 8.4 **Invoices:** Mobilization charges will be invoiced only upon completion of mobilization (after commencing of operation at the first well), submission / production of appropriate inventory documents, and physical verification by company representative.
- 8.5 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.
- 8.6 Billings for daily charges will reflect details of time spent (calculated to the nearest quarter hours) 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 spud-in of the first well.
- 8.7 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.
- 8.8 Contractor will submit 03 (Three) 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.
- 8.9 Payment of monthly invoices, if undisputed, shall be made within 45 days following the date of receipt of invoice by Company excepting for the first two (2) monthly invoices where some delay (up to two month) may occur.
- 8.10 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, and 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 8.3 above.
- 8.11 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.
- 8.12 Payments of other invoices as set forth in Clause 8.7 shall be made within 60 days following the date of receipt of the invoices by Company.
- 8.13 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.
- 8.14 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 to taxes for the expatriate personnel engaged by the Contractor or by its sub-contractor.
- d) Proof of re-export of all items (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.

- 8.15 Contractor shall maintain complete and correct records of all information on which contractor's invoice are based upto 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.
- 8.16 At the time of de-hiring of the Rig, Contractor shall dismantle the Rig and all other equipment and vacate the drill site within 30 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.
- 8.17 **SET-OFF:** Any sum of money due and payable to the Contractor (including Performance Security refundable to them) under this or any other Contract 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).
- 8.18 **Subsequently Enacted Laws:** Subsequent to the date of bid submission, if there is a change in or enactment of any law or interpretation of existing law, which results in addition/reduction in cost to Contractor on account of the operation contemplated under the Contract, the Company/ Contractor shall reimburse the Contractor/pay Company for such additional/reduced costs actually incurred/saved by Contractor, subject to the submission of documentary evidence by Contractor/Company.
- 9.0 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, including but not limited to the negligence of Contractor, its Agents, Employees or sub-contractors 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.

9.1 LOSS OR DAMAGE OF CONTRACTOR'S DRILLING UNIT OR SUBSURFACE 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 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 terminate 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 monies then due or liabilities to be charged in respect of 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 Companies, Agents, employees, invitees, servants, their underwriters or insurers (other than Contractor's) and their employees, agent 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 subsurface 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 the OIL. If the contractor unreasonably delays in removing the Drilling Unit or any part thereof, the OIL may remove it and the contractor shall indemnify and reimburse OIL for all cost and expenses incurred by OIL in connection therewith. Any expense incurred by OIL 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 OIL.

9.1.1 LOSS OR DAMAGE OF SUB-SURFACE EQUIPMENT:

Notwithstanding any provision under this contract to the contrary, Company shall assume liability except in the event of Wilful Misconduct on the part of the contractor for loss or damage to the contractor's equipment/ tool in hole below rotary table. Company shall at its option either reimburse the contractor for the value of lost equipment/ tool as declared in the import invoices at the time of mobilization or subsequent replacement/ addition of the same equipment/ tool or CIF value whichever is lower for any such loss or damage, less depreciation @ 3%

per month from the date of start of the contract up to a maximum depreciation equivalent to 50% of CIF value as indicated by the contractor or at its option to replace similar equipment/ tools and any transportation expenses incurred in connection herewith. All such cost shall be payable by Company only after contractor submits the self declaration form as per the sample format attached (Annexure-G) For any such loss/damage, the contractor shall notify the Company within one month. The inspection of recovered tool/equipment from downhole need to be made by Company Representative before submission of the invoice by contractor.

Note: 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 Contractor, so that replacement and claiming of Loss/Damage can be done within the stipulated time.

- 9.2 **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 OIL and within Contractor's sole care, custody and control. In case there is a loss or damage to OIL's equipment for causes attributable solely to contractor, the contractor shall compensate OIL.

9.3 **BLOWOUT OR CRATER: COST OF CONTROL OF BLOWOUT**

In the event any Well being drilled hereunder shall go out of control (Blowout) due to any causes, Contractor will bear the cost and expense of killing the Well or otherwise bringing the Well under control upto US Dollar One Million for each incident and in this regard Company 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 Company 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.

- 9.4 **USE OF CONTRACTOR'S EQUIPMENT:** 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.

- 9.5 **UNDERGROUND DAMAGE:** Company agrees to indemnify and hold Contractor harmless from any and all claims against Contractor based on any incidents arising out of or occurring during the term of this Agreement on account of injury to, destruction of or loss or impairment of any property rights in or to oil, gas or other mineral substance or water if at the time of the act or omission causing such injury, destruction, loss or impairment such substances had not been reduced to physical possession above the surface of the earth, and including any loss or damage to any formation strata or reservoir beneath the surface of the earth.

- 9.6 **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 pollution or contamination shall be as follows:

- (a) The Contractor shall assume all responsibility for cleaning up and controlling pollution or contamination which originates above the surface of the water from spills or fuels, lubricants, motor oils, normal water base drilling fluid

and attendant cuttings, pipe dope, paints solvents, ballast, bilge and garbage wholly in Contractor's possession and control and directly associated with Contractor's equipment and facilities, 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 9.6(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 from any cause including negligence of Contractor but not limited to, that which may result from 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, clean-up 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 or omission which results in pollution or contamination for which either the Contractor or Operator, for whom such party is performing work, is held to be legally liable the responsibility therefor shall be considered as between the Contractor and Operator, to be the same as if the party for whom the work was performed and all of the obligations respecting defence indemnity, holding harmless and limitation of responsibility and liability as set forth in (a) and (b) above, shall be specifically applied.
- (d) 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). 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 CaCO ₃	Mg/I	120
6.	Chloride as Cl	Mg/	85
7.	Sulphate as SO ₄	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 CaCO ₃	Mg/I	600
6.	Chloride as Cl	Mg/I	210
7.	Sulphate as SO ₄	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°C 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 un-settleable layer	-	7.3
5.	M. Value as CaCO ₃	mg/l	148
6.	Chloride as Cl	mg/l	95
7.	Sulphate as SO ₄	mg/l	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

- (e) In the event effluent / waste pit provided by the Company, 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, to avoid overflow in the neighbouring areas or alternatively the Company will

provide additional pits at its cost. 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.

- (f) Contractor shall be responsible for any sound/noise pollution arising out of the Rig package or other items used by Contractor at well site. 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 system and procedure followed by OIL. Contractor must ensure that there is no disruption of operation due to sound/noise pollutions.

10.0 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 either party to execute any right of termination shall not act as a waiver or amendment of any right of such party provided hereunder.

11.0 CUSTOMS DUTY

- 11.1 Company shall use **the Drilling units with the Services under the Contract in the PEL/ML areas renewed / issued to Company after 1.4.1999 and therefore, in terms of Notification No. 21 dated 01.03.2002, goods specified in List-12 imported in connection with petroleum operations under this Contract would attract zero customs duty. Company will issue Recommendatory Letter to Directorate General of Hydrocarbons (DGH), Ministry of Petroleum & Natural Gas, as per Government guidelines for issuance of Essentiality Certificate (EC) from Directorate General of Hydrocarbons, to enable the Contractor to import goods at concessional (Nil) customs duty so as to provide the services under this Contract provided these goods are specified in the List-12 of the aforesaid Notification.**
- 11.2 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 Recommendatory Letter to DGH. Contractor shall make written request to Company immediately after shipment of the goods indicated by them in Proforma-A, along with the Invoices and all shipping documents (with clear 15 working days' notice) requesting Company for issuance of the Recommendatory Letter. OIL shall issue the Recommendatory Letter provided all the documents submitted by the Contractor are found in order as per contract. It shall be however, Contractor's responsibility to obtain EC from DGH and clear the goods through customs. OIL shall not be liable in whatsoever manner for the rejection of their claims for zero customs duty by any of the authorities including DGH. Contractor shall indemnify OIL from all liabilities of Customs Duty.
- 11.3 **All imports and import clearances under the contract shall be done by the contractor.**
- 11.4 **However, in the event customs duty becomes leviable during the course of contract arising out of a change in the policy of the Government, Company shall be liable for payment of the customs duties leviable in India on Contractor's items as provided in Proforma-A or the actuals whichever is less, provided Contractor furnishes all necessary documents indicating the estimated customs duty at least 10 days in advance. Such payment of Customs Duty shall**

be arranged by Company and made available to the representatives of Contractor at Kolkata within 3 working days after Contractor submits the undisputed and clear necessary documents / duty assessment papers at Company's office at Kolkata. Contractor would be responsible for passing such payment to customs authorities at the port of entry. 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 mobilisation 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. Before filing Bill of lading, Bill of entry, the Contractor must consult the Company to avoid payment of excess Customs Duty.

- 11.4.1 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.
- 11.5 **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 and 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.**
- 11.6 **DEMOBILISATION & RE-EXPORT:** 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. Demobilisation 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 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 detail 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 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.
- 11.6.1 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.

11.6.2 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 after completion of contractual obligation after 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.

11.6.3 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.

12.0 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.

12.1 This obligation shall keep in force even after the termination date and until such information will be disclosed by company.

12.2 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.

12.3 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.

13.0 RIGHTS AND PRIVILEGES OF COMPANY: Company shall be entitled -

13.1 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.

13.2 To change the drilling programme, mud programme, well depths to complete or abandon any well at any time.

- 13.3 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.
- 13.4 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.
- 13.5 To order suspension of operations at Nil Day Rate while and whenever:
- (i) Contractor's personnel is deemed by company to be not satisfactory,
or
 - (ii) Contractor's equipment does not conform to regulations or to the specifications laid down in the Contract.
or
 - (iii) Contractor's equipment turns into a danger to personnel on or around the rig or to the well,
or
 - (iv) Contractor's insurance in connection with the operations hereunder is found by company not to conform with the requirements set forth in the contract.
or
 - (v) Contractor fails to meet any of the provisions in the contract.
or
 - (vi) Any shortage in key/additional (compulsory) personnel and inadequacy of other personnel.
or
 - (vii) Contractor is found non-compliant to HSE requirements as per Safe Operating Practices or applicable laws
- 13.6 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.

14.0 EMERGENCY

- 14.1 Without prejudice to clause 9.4 here above 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 rig, 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.
- 14.2 In such event, company shall pay contractor in accordance with the terms of the contract as if contractor was carrying out the operations.
- 14.3 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 the company.

- 15.0 DURATION:** The contract will remain in force for an initial period of Four (4) years from the date of commencement. However, the rates, terms and conditions

shall continue until the completion or abandonment of the last well being drilled and completion of testing operation.

16.0 HEADINGS: The headings of the clauses of the contract are for convenience only and shall not be used to interpret the provisions hereof.

17.0 DEFICIENCY: In the event of the Contractor failure to strictly adhere in providing the minimum requirements of key personnel as set out in Section II, Clause 4.5, O, the penalty shall be levied at the following rates.

FAILURE	PENALTY
a) Failure to provide Rig Manager / Tool pusher / Tour Pusher.	At the rate of 5% of the operating day rate for the period of non-availability of the Rig Manager / Tour / Tool Pusher separately in each case.
b) Failure to provide Driller / Asstt. Driller.	At the rate of 3% of the operating day rate for the period of non-availability of the Driller / Asstt. Driller separately in each case.
c) Failure to provide other key personnel excepting those mentioned in a) & b).	At the rate of 3% of the operating day rate for the period of non-availability of each key personnel excepting those mentioned in 'a' and 'b' above.

NOTE:

1. The above penalty rates are applicable for the first five 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 5 days, the penalty will be levied at double the rates mentioned above for each day for non-availability of any key personnel.
3. Contractor will be paid for zero rates if operation is suspended for non-availability of key personnel.

18.0 Effluent Treatment: Zero-rate will be applicable if OIL decides not to continue operation due to non-function of the Effluent Treatment Plant (ETP) or operation of the ETP not meeting the scope of work as per the NIT. However, stand-by rate will be applicable if OIL decides to continue operation without ETP.

19.0 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.

20.0 INTER-LOCATION RIG MOVE STANDARD

- 20.1 Rig movement for a distance of thirty (30) Kms. will be eighteen (18) days. For lesser or more kilometerage, the time allowed shall be in proportions of one (1) day for each 30 KM or part thereof.
- 20.2 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 will be payable for extended period due to force majeure conditions.
- 20.3 The ILM charge shall be discounted by 5% for each day's delay beyond the standard, as stipulated above, of total cost for inter-location movement rate payable for that particular rig movement, when the rig move is delayed beyond the standard.

21.0 PREVENTION OF FIRE AND BLOWOUTS

- 21.1 Contractor shall use the Blowout Prevention Equipment specified in this Agreement, on all strings of casing unless otherwise directed by Operator. 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 well. 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 the Company's Representative about the well condition and finally well shall be killed after mutual discussion with Company's representative.
- 21.2 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.
- 21.4 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.
- 21.5 Contractor shall use all reasonable means to keep the hole and all strings of casing filled with Drilling fluid at all times.

22.0 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.

23.0 DISCIPLINE: Contractor shall carry out operations hereunder with due diligence and in a safe and workman like manner according to good international oilfield practice. 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 Operator shall reduce the daily rate by the amount specified for this category under Clause 17.0 above until such replacement has been provided. The person so removed shall not be employed again without the prior written consent of the Operator. Contractor 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.

24.0 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 in 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 informed immediately to the concerned for rectification.
- iv. Arrangements have to be made for pumping effluents into the nearest dry pit in case of emergency.

NOTE:

- i. In case, the rig remains idle for want of acceptable quality water (**as per the following parameters**), then 'nil' Day Rate shall be applicable for the entire period of shut-down.

Characteristics	Acceptable Limits (as per BIS, IS-10500-2012)
Odour	Agreeable
PH	6.5 to 8.5
Turbidity	5.0 NTU (Max.)
Chorides (as Cl-)	250 mg/l (Max.)
Total Hardness (as CaCO ₃)	200 mg/l (Max.)
Iron (as Fe+2)	0.3 mg/l (Max.)
Total Dissolved Solids	500 mg/l (Max.)
Alkalinity (as CaCO ₃)	200 mg/l (Max.)
Mineral Oil	0.5 mg/l (Max.)

- 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.

25.0 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 repaired immediately if there are no breaches.

26.0 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.

27.0 COMPREHENSIVE 'HSE' GUIDELINES:

- 1 It will be solely the Contractor's responsibility to fulfill 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 all HSE laws by the sub or sub-sub-contractors.
- 2 Every person deployed by the Contractor in a mine must wear safety gadgets to be provided by the Contractor. The Contractor shall provide proper Personnel Protective Equipment (PPE) as per the hazard identified and risk assessed for the job and conforming to statutory requirement and Company PPE schedule. Safety appliances like protective footwear, Safety Helmet and Full Body harness has to be DGMS, India approved. Necessary supportive document shall have to be submitted as proof. Moreover, the electrical persons should be provided with rubber hand gloves suitable for working at the maximum voltage level used in rig and leather hand gloves for handling cables. 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. All the safety gears mentioned above are to be provided to the working personnel before commencement of the work.
- 3 The Contractor shall prepare written Safe Operating Procedure (SOP) for the work to be carried out, including risk register (assessment of risk), safe methods to deal with it/them. The SOP should clearly state the risk arising to men, machineries & material from the mining operation / operations to be done by the Contractor and how it is to be managed.
- 4 The Contractor shall provide a copy of the SOP to the person designated by the mine owner who shall be supervising the Contractor's work.
- 5 Keep an up to date SOP and provide a copy of changes to a person designated by the Mine Owner/Agent/Manager.
- 6 Contractor has to ensure that all work is carried out in accordance with the Statute and SOP and for the purpose he may deploy adequate qualified and competent personnel for the purpose of carrying out the job in a safe manner. For work of a specified scope/nature, he should develop and provide to the mine owner a site specific code of practice in line.
- 7 All persons deployed by the Contractor for working in a mine must undergo Mines Vocational Training, initial medical examination, PME. They should be issued cards stating the name of the Contractor and the work and its validity period, indicating status of MVT, IME & PME.
 - a. MVT can be arranged by OIL for the personnel working in rig.
 - b. IME/PME has to be done as per the Mines Rule requirement in nearby authorized hospital.
- 8 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 of work persons, Number of work persons deployed, how many work persons hold VT Certificate, how many work persons undergone IME and type of medical coverage given to the work persons

- 9 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.
- 10 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 representative for safe operation.
- 11 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.
- 12 Any compensation arising due to accident of the Contractor's personnel while carrying out the job, will be payable by the Contractor.
- 13 The Contractor shall have to report all incidents including near miss to Installation Manager/departmental representative of the concerned department of OIL.
- 14 The Contractor has to keep a register of the persons employed by him/her. The Contractor's rig manager / rig superintendent shall take and maintain attendance of his personnel every shift for the work.
- 15 If the Company arranges any safety class/training for the working personnel at site (Company employee, Contractor worker, etc.) The Contractor will not have any objection to any such training.
- 16 The health check-up of Contractor's personnel is to be done by the Contractor in authorized Health Centres as per OIL's requirement & proof of such test(s) is to be submitted to OIL. **The frequency of periodic medical examinations should be every five years for the employees below 45 years of age and every three years for employees of 45 years of age and above.**
- 17 To arrange daily tool box meeting, Job Safety Analysis (for Critical Jobs) and regular site safety meetings and maintain records.
- 18 As per DGMS circular & Gazatte Notification for Maintenance of register as required by the Mines Act 1952 and Mines Rules, 1955, the forms A, B, D and E have been updated and modified. The above mentioned forms needs to be maintained as per the new format by the Contractor.
- 19 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 act or omissions at work.
- 20 A Contractor employee must, while at work, cooperate with his or her employer or other persons so far as is necessary to enable compliance with any requirement under the act or the regulations that is imposed in the interest of health, safety and welfare of the employee or any other person.
- 21 Contractor's arrangements for health and safety management shall be consistent with those for the mine owner.
- 22 In case Contractor is found non-compliant of HSE laws as required, the 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 prevailing relevant Acts / Rules / Regulations.

- 23 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.
- 24 The Contractor should prevent the frequent change of his contractual employees as far as practicable.
- 25 The Contractor should frame a mutually agreed bridging document between the Company & the Contractor with roles and responsibilities clearly defined.
- 26 For any HSE matters not specified in the contract document, the Contractor will abide by the relevant and prevailing Acts/rules/ regulations/pertaining to Health, Safety and Environment.
- 27 Contractor shall observe such safety regulations in accordance with acceptable oilfield practice and applicable Indian Laws. Contractor shall take all measures reasonably necessary to provide safe working conditions and shall exercise due care and caution in preventing fire, explosion and blow out and maintain fire 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.
- 28 Contractor shall provide all necessary fire-fighting and safety equipment as per laid down practice and as specified under OISD - STD - 189 and OMR.
- 29 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 at least three competent persons trained in the field of basic fire-fighting course (from any board or an institute recognized by state/central government of India) as per OISD-GDN-228 on any shift at the rig site.
- 30 The Contractor shall submit details of measures adopted towards management of environment protection (waste management/engine emissions/Noise monitoring/water management etc.) and improving the quality of the environment for submission of Environmental Statement to the SPCB for every financial year.
- 31 Documentation, record keeping of all safety practices should be conducted as per international/ Indian applicable laws, act, regulations etc., as per standard Oilfield practice and these records should be made available for inspection at any point of time. The H.S.E policy as well as emergency procedure manual should be kept at site. Compliance of these shall be the sole responsibility of the Contractor.

28.0 Ministry of Environment, Forest & Climate Change (MoEF & CC) Guidelines:

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)
2. The DG sets shall have suitable acoustic enclosures to contain the noise level within the CPCB specified limits. The Contractor shall regularly measures 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.

3. To prevent well blowouts, during drilling operations, Blow out Preventer (BOP) system shall be installed. Blow out preventer measures during drilling shall be focus on maintaining well bore hydrostatic pressure by proper pre well planning and drilling fluid logging etc.
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.
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.
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 month.
7. Water withdrawal and consumption details shall be recorded/monitored and report shall be submitted in every month.

29.0 Records & Documents to be maintained at well site: Documentation, record keeping of all safety practices should be conducted as per applicable international/Indian laws, acts, regulations etc., as per standard Oilfield practice and these records should be made available for inspection at any point of time. The H.S.E (Health, Safety and Environment) policy manual, SOP (safe operating practices), risk register & bridging document should be available at site. Compliance of these shall be the sole responsibility of the Contractor.

**LIST OF RECORDS / REGISTERS / FORMS / DISPLAY
TO BE MAINTAINED AT WELL SITE**

1. Pressure test of BOPE and choke & kill manifold
2. BOP function test
3. BOP Pressure Test
4. BOP drill
5. Fire Drill
6. Hot work / cold work permit
7. Casing line inspection / ton mileage
8. Training record (FF, FA, MVT, Well control)
9. PME of employees
10. NDT of mast & substructure and handling tools
11. Records of all mechanical equipment
12. Records of all Electrical equipment
13. Records of all Instrumentation System
14. Periodical inspection of all equipment
15. Display of all statutory signboards
16. Display of Blow out contingency plan
17. Display of Fire contingency plan
18. Display of First Aid trained personnel during the shift
19. Display of Fire Fighting trained personnel during the shift
20. Display of First-Aid Action for electric shock
21. Minutes of all safety audit including pre spud
22. Minutes of Pit level safety meeting & Tool Box meeting
23. Safety circulars

24. Copy of OMR
25. Copies of Relevant OISD standards
26. Copy of Safe Operating Procedure (SOP)
27. Copy of GTO (Geo-technical order) / Well Policy
28. Copy of DPR (Daily progress report)
29. Installation manager's instruction book
30. BOP kill sheet
31. Trip sheet
32. Form-A (It should be as per modified format by Gazatte Notification No. 126 dated 21.02.2017 on Ease of Compliance to Maintain Registers under various Labour Laws Rules, 2017")
33. Form-B (It should be as per modified format by Gazatte Notification No. 126 dated 21.02.2017 on Ease of Compliance to Maintain Registers under various Labour Laws Rules, 2017")
34. Form-D(It should be as per modified format by Gazatte Notification No. 126 dated 21.02.2017 on Ease of Compliance to Maintain Registers under various Labour Laws Rules, 2017")
35. Form-E (It should be as per modified format by Gazatte Notification No. 126 dated 21.02.2017 on Ease of Compliance to Maintain Registers under various Labour Laws Rules, 2017")
36. Form-K (Return of Minor accidents)
37. Form-J (Return of reportable accidents)
38. Copy of Contract with the Company
39. Any other relevant records as deemed fit

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 are 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 foundation.
- f) 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.

31.0 APPLICABLE LAW:

- 31.1 The Contractor shall not make Company liable to reimburse the Contractor to the statutory increase in the wage rates of the contract labour appointed by the Contractor. Such statutory or any other increase in the wage rates of the contract labour shall be borne by the Contractor.
- 31.2 Any permission from the Mines Directorate in connection with working in excess of 8 (eight) hours per day shift pattern by the Contractor shall have to be arranged by the Contractor before commencement of the Contract, in consultation with the Company. Moreover, since the Contractor's personnel

engaged shall be working under the Mines Act and Oil Mines Regulations, the Contractor shall have to obtain any other relevant permission from the Mines Directorate to engage their employees in compliance with various procedures as per Mines Act. In case of any breach of procedures under Mines Act the Contractor shall be held responsible and they shall bear all expenses arising as a result thereof.

31.3 The Contractor shall not engage labour below 18 (eighteen) years of age under any circumstances. Persons above 60 (sixty) years age also shall not be deployed.

31.4 Moreover, the Contractor should obtain and produce in advance to commencement of Work the following certificate/approvals:

- i) Approval from DGMS / DDMS for shift patterns in excess of 8 hours.
- ii) Total manpower list.
- iii) License/certificate from specified electrical authorities for the rig and camp electrical personnel, if required.
- iv) All certificates as per applicable laws including Mines Acts.
- v) *Regional Labour certificate, if required.*

32.0 **INSPECTION OF MATERIALS**

32.1 INSPECTION BY CONTRACTOR: The Contractor agrees to perform a visual inspection, using its personnel, of all materials and appliances furnished by the Company when delivered into Contractor's possession and shall notify Company's representative of any apparent defects observed therein so that Company may replace such defective materials or appliances. If Contractor fails to notify the Company of any apparent defects as provided above, it shall be conclusively presumed that such materials and appliances are free from such apparent defect. Contractor shall not be liable for any loss or damage resulting from the use of materials or appliances furnished by the Company containing latent defects. Upon the termination of this Agreement, Contractor shall return to the Company at the Well-site all machinery, equipment, tools, spare parts and supplies received by Contractor from the Company or purchased by the Contractor for the Company's account and not used or consumed in the operations, in as good condition as when received by Contractor, normal wear & tear excepted. If damage to any of the Company's equipment is caused due to sole negligence of the Contractor, same will be repaired or replaced at Contractor's cost. Contractor shall, if requested by the Company also maintain or repair, at its cost, any of the Company's items, at the Drilling Unit which Contractor is qualified to and can maintain or repair with Contractor's normal complement of personnel and the equipment at the Drilling Unit provided however that the Company shall at its cost provide all spare parts and materials required to maintain or repair the Company's items. However, it shall remain the Company's basic responsibility and liability to ensure that such items are always in good workable condition.

33.2 INSPECTION BY OPERATOR: The Company shall have the right to inspect and reject for any valid cause any items furnished by Contractor and Contractor shall replace or repair at its sole expense such items so rejected with items free of defects, to the satisfaction of the Company.

END OF SECTION-III

&&&&

Part-3
SECTION-IV
SCHEDULE OF RATES

A. ESSENTIAL SERVICES:

The bidders must quote the rates in their priced bids strictly as per the format outlined in **PROFORMA-B** considering the following. The quantity/parameter/volume of job shown against each item in the PROFORMA 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. Commercial evaluation of Bids to establish inter-se-ranking of all technically qualified bidders will be done based on the rates/charges quoted in **PROFORMA-B** only.

1.0 MOBILIZATION CHARGES (LUMP SUM- ONE TIME) (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 1st location (in Tinsukia District of Assam, India) must be furnished separately.
- 1.2 Mobilization charges should include mobilization of complete rig package (including ETP) together with all associated equipment/accessories, Tools, materials (spares & consumables, etc.) and manpower as mentioned in **Section - II** (PART-3) “Terms of Reference / Technical Specification”.
- 1.3 Mobilization charges should cover all local and foreign costs to be incurred by the Contractor to mobilize entire equipment of rig package, stores and crew to the first drilling location of the Company and shall include all local taxes & levies (including State Entry Tax), port fees, transportation/freight & insurance etc., but excluding Customs duty (which will be to OIL’s account, if applicable) on the items declared in **Proforma – A** (ref. PART-4).
- 1.4 Company will issue Recommendatory Letters on the basis of documents to be provided by the Contractor for import of items, if envisaged in **Proforma-A**, for Contractor to obtain necessary Essentiality Certificates from the Directorate General of Hydrocarbon (DGH), India 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.
- 1.5 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 first drilling location and duly certified by Company Representative / Company’s Engineer.
- 1.6 Mobilization charges for the rig package shall not exceed 7.5% (seven and half percent) of one year contract cost including Mobilisation Charges. However, mobilization charges if quoted in excess of 7.5% of the one year contract cost (including mobilisation charge), the excess amount shall be paid at the end of the contract term of both phases.
- 1.7 **Mobilisation Incentive:** Considering the urgency of the requirement, it is utmost important to get the Rig package at site early. Bidders are requested to quote their best mobilization timeline. Bidders, who mobilizes early from the allowed **150 days** mobilization time will be given a commercial benefit @ 0.5% per week on their quoted Mobilization Cost subject to a maximum of 7.5%.

2.0 DEMOBILIZATION CHARGES (LUMP SUM) (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 – 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 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 one year Contract Cost. and the deficit amount, if any shall be withheld from the first invoice and the same will be paid at the end of the contract along with Demobilization charges.**

3.0 OPERATING DAY RATE (Per 24 Hrs. day) (ODR)

- 3.1 Except when especially 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 hole and setting of scabbards as applicable) until the rig is released for moving to the next location i.e. during the following operation:
- Drilling
 - Coring
 - Tripping
 - Circulating drilling fluid
 - Fishing
 - Reaming, conditioning hole, hole opening
 - Making up and breaking down of any tubular
 - Drilling out / clean out cement, collar, shoe, bridge plug, packers, etc.
 - Tripping of production string
 - Swabbing operation using sand line
 - Any other operations with use of tubular
 - Casing running and cementation
 - Mixing or conditioning mud
 - Retrieving casing
 - Well killing / controlling

4.0 STAND BY DAY RATE (Per 24 Hrs. 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.
 - 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.

4.2 Standby Day Rate should not exceed 90% (Ninety percent) of the Operating Day Rate (ODR).

5.0 REPAIR DAY RATE (Per 24 Hrs. day) (RDR)

5.1 The 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 Repair Day Rate to a maximum of 24 cumulative hours per calendar month. In case the total hours of break-down or repairing of Contractor's equipment exceeds 24 (twenty four) hours in any particular calendar month during the currency of the contract, the Repair Day Rate will be applicable for the initial 24 hours only and no payment whatsoever will be made by Company for the remaining period lost on this account. 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 wash pipe packing, slipping &/or cutting casing line, changing pump liners, valve assemblies, packing, etc. Contractor will be permitted to carry out these jobs upto 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, 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 Repair Day Rate should not exceed 60% (Sixty percent) of the Operating Day Rate (ODR).

6.0 INTER LOCATION MOVEMENT RATE:

6.1 Depending on the distance between the locations, separate rates will be applicable as mentioned below:

a) Fixed Charge (Lump sum) 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 mts. Note: 03 (Three) cluster locations has been considered during four years contractual period. However the amount will be paid on actual as certified by Company Representative.	(ILM0)
b) Fixed Charge (Lump sum) per inter-location rig movement upto 30 Km. Note: 04 (Four) inter-location movement (upto 30 km) has been considered during four years contractual period. However the amount will be paid on actual as certified by Company Representative.	(ILM1)
c) Kilometerage charges for inter-location rig movement in excess of 30 Km. This will be in addition to lump sum rate for ILM upto 30 Km as mentioned in 'b' above.	(ILM2)

- 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 package & all materials including company's 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 (as applicable), 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 20.0 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 Other Rates as mentioned under para 3.0, 4.0, 5.0, 7.0, 8.0, 9.0 & 10.0 hereof will not be payable when inter-location move rate is applicable.

7.0 FORCE MAJEURE DAY RATE (Per 24 Hrs. day) (FM)

- 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 **12.0 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 **Force Majeure Day Rate should not exceed 50% (Fifty percent) of Operating Day Rate (ODR).**

8.0 STACK DAY RATE (SR)

The Stack Day Rate shall be payable when the Drilling Unit and other Contractor's Equipment is stacked in accordance with Clause 19.0 of Section-III 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 as the Drilling Unit is ready to re-commence Drilling Operations after the notification from Company to commence the 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 Drilling Unit arrives at the stacking site. Inter-Location Movement rate shall apply during the period that the Drilling Unit is being moved to/ from the stacking site.
- (iii) **Stack Day Rate should not exceed 50% (Fifty percent) of Operating Day Rate (ODR).**

9.0 NIL DAY RATE (NDR)

Nil day rates 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.

10.0 CHARGES FOR ADDITIONAL MEALS & ACCOMMODATION (ML)

- 10.1 Charges on per meal per day basis & accommodation will be payable only if strength of Company's / Company's other contractor's personnel or any other Company designated personnel taking food at site and/or accommodation exceeds twenty-five (25) persons on any given day during the contractual period.
- 10.2 The Contractor will have to arrange catering services, sanitation, laundry services & accommodation for their employees as well as for Company's employees and employees of other Contractors engaged by Company at drill site for performance of various drilling associated services like, Mud Engineering, Mud Logging, Cementing, Wireline Logging, Coring, Production Testing, Liner Hanger, Vertical / Deviation Drilling Services and others or for any other Company designated personnel. Catering Services include bed tea, breakfast, lunch, evening tea with snacks and dinner. **No charge will be payable by the Company for providing catering services, sanitation, laundry services & accommodation upto a maximum of 25 (twenty-five) Nos. of such personnel a day.** For any extra personnel beyond the above mentioned 25 persons designated by the Company on any day, catering services & accommodation will be provided by the Contractor on payment basis as per the rates quoted/agreed on per meal basis. The Contractor will have to provide food & accommodation to such additional personnel throughout the contractual period when required without any compromise with standard menu and quality on payable basis. The Contractor should maintain proper records/register and their monthly invoices must be duly supported by such records.

11.0 CIVIL WORK INVOLVEMENT

Company shall provide foundation for the standard rig equipment including hard standing and cement concreting areas, effluent pit provision, toilets as per OIL's standard in the well plinth etc. Any additional civil work involvement besides the standard indicated plinth area / civil work should be highlighted by the bidder in the technical bid.

B. GENERAL NOTE:

- 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) Bidders should indicate name and address of their Indian agent and the percentage of agency commission payable, if any. Such agency commission involved, if any, should be included in the quoted rates. In case no Indian agent commission is involved then it should be shown as "NIL".
- iii) 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**.
- iv) 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).
- v) 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 SECTION - IV

&&&&

Form – 1

Date: _____

DRILLING RIG INSPECTION CERTIFICATE
(SEPARATE CERTIFICATE TO BE ISSUED FOR EACH RIG)
(TO BE ISSUED BY BV / DNV / ABS / LLOYDS / OILFIELD AUDIT SERVICES)
FOR OLD RIGS

The following rig and equipment were inspected physically on _____ (date) and certified as under:

Sl. No.	Description	Details				Remarks (if any)
1.0	Identification No. of rig					
2.0	Current location of the rig (Detailed address telephone & Fax No.)					
3.0	Present owner of the rig (Detailed address, telephone & Fax No., email, etc.)					
4.0	Details of rig / equipment inspected	Details of rig / equipment offered with ID No.	Present Condition (Whether meets the tender specification)	Month & Year of manufacture	Residual life (in years)	Remarks (if any)
4.1	(a) Mast Make: Model: Capacity in MT: Height from ground level(in Ft): (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.:					
4.1.1	NDT of Mast & Sub-structure					
4.2	a) Rig engine: Nos. of engine: Make: Model: H.P.: a) Generators: Nos.: Make: Model: H.P. (kW):					
4.2.1	Rig Compressor (cold Start):					
4.2.2	Rig Compressor ((Electrical):					
4.3	Draw works: Type: Make: Model: H.P.					
4.3.1	Eddy Current Brake/Disc					

	Brake/Auxiliary Brake:					
4.4	Rotary Table: Make: Model: Static and rotating capacity (in MT): Rotary Table opening (in Inch):					
4.5	Traveling Block: Make: Model: Capacity in MT:					
4.6	Crown Block: Make: Model: Capacity in MT:					
4.7	RAM BOPs: Make: Model: Size: Flange Size: Pressure rating: Clear Opening: Type: Single / Double Ram Manual locking : (Y/N) Operating Pressure:					
4.8	ANNULAR BOPs: Make: Model: Size: Flange Size: Pressure rating: Operating Pressure: Clear Opening:					
4.9	BOP Control unit: Make: Model: Accumulator Capacity: Pressure rating: No. of remote controls:					
4.10	Mud Pumps: Make: Model: No. of Pumps: Max Pressure rating: Discharge rate at specified pressure.					
4.10.1	Super Chargers: Make: Model: No. of Pumps: Max Pressure rating:					
4.11	TOP DRIVE Unit: Make: Model: Capacity in MT:					
5.0	Electrical Items viz. alternators, drilling & auxiliary motors, Control PCRs (SCR / VFD house), MCC, cable system, etc.					

6.0	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					
7.0	Scalper Shakers & Shale Shakers: Make: Model: Qty: Fluid Handling Capacity:					
8.0	Desander: Make: Model: Cone size & Nos.: Fluid Handling Capacity:					
9.0	Desilter: Make: Model: Cone size & Nos.: Fluid Handling Capacity:					
10.0	a. De-gasser (Horizontal): Make: Model: Capacity: b. De-gasser (Vertical): Make: Model: Capacity:					
11.0	Centrifuge: Make: Model:					
12.0	Linear Motion Mud Cleaner: Make: Model: Qty.: Fluid Handling Capacity:					
13.0	Stand Pipe Manifold: Size: No. of stand pipes: Working Pressure:					
14.0	Rotary Hole: Size: Length: Working Pressure:					
15.0	Choke & Kill Manifold Make:					

	Model: Size: Pressure Rating: No. of Chokes: Hydraulic: Manual: Remote Control Panel:					
16.0	Tubulars with NDT details:					
17.0	Refurbishment, if any, with date and details of refurbishment.					
18.0	Overall Rig Package					

The rig after due inspection, is found in good operating / working conditions.

(Signature with name and designation)

Note:

- (1) For the rig / equipment already in existence, the above certificate shall be given by third party inspection agency namely BV/DNV/ABS/ LLOYDS/ OILFIELD AUDIT SERVICES on their letter head in original. Certificate from other agencies shall not be accepted.
- (2) Third party Inspection should be carried out on or after the date of issue of this tender document by Company and original inspection documents should be submitted along with the techno-commercial bid.

ANNEXURE – II**EQUIPMENT AND SERVICES TO BE FURNISHED BY CONTRACTOR OR COMPANY (OIL) FOR DRILLING RIG**

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 (OIL) 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.	I T E M	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, wharfage 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	Obtain and 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 (recommendatory letter for EC to be provided by Operator)	X		X	

Sl. No.	I T E M	At Expense of		Supplied by	
		C	O	C	O
B. GENERAL-II					
1	Camp(s) complete in all respects.	X		X	
2	Accommodation and food for all of Contractor's personnel and up to 25 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 per day.		X	X	
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	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	

Sl. No.	I T E M	At Expense of		Supplied by	
		C	O	C	O
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	Rotary substitutes of all sizes	X		X	
16	Stabilizers & Hole openers	X		X	
17	All Fishing tools & their spares	X		X	
18	Elevator links	X		X	
19	Bit breaker, casing thread protector, nozzle gauge, stabilizer gauge & bit gauge	X		X	
20	Air winch (s)	X		X	
21	Drilling jars, safety joints and all fishing tools such as super fishing jars, overshots, spear, RCJB, Junk subs, fishing magnets, impression blocks, junk mills, ditch magnet, etc. with spares / consumables / replacement parts.	X		X	
22	Casing scrappers / rotoverts	X		X	
23	Circulating heads & FOSV	X		X	
24	Poor boy swivel	X		X	
25	Mud basket	X		X	
26	Back pressure valves	X		X	
27	Risers	X		X	
28	Complete set of tools & wrenches	X		X	
29	Flow nipple & flow branch	X		X	
30	Gauging water pump	X		X	
31	All kind of mud agitators & mud guns	X		X	
32	Drift recording instrument	X		X	
33	MVT & flow fill indicator	X		X	
34	On line gas monitoring system & portable gas detector	X		X	
35	Cabin for mud attendant.	X		X	
36	Emergency electricity generator at well site & camp	X		X	
37	Advanced Instrumentation System	X		X	
38	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	

Sl. No.	I T E M	At Expense of		Supplied by	
		C	O	C	O
47	Equipment required for generating electricity at the rig site, camp, etc.	X		X	
48	Rig lighting	X		X	
49	All required Lines / Chicksans / Fittings, etc.	X		X	
50	Crane and forklifts	X		X	
51	Any additional crane & forklift required to carry out normal drilling operations & 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	Float valves for bit subs	X		X	
56	Inside BOPs	X		X	
57	Cup tester	X		X	
58	Effluent Treatment Plant with accessories	X		X	
59	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	Complete waste management at well site including treatment & safe disposal of Effluent	X		X	
7	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 (minimum one per trible inside casing).	X		X	
4	Drill pipes & tubing rubber wipers	X		X	
5	All required Spares for solid control equipment.	X		X	
6	Air, water, electricity, fuel (HSD) and other POL for the rig site and camp site	X		X	
7	Casing thread lubricant & thread locking compound	X		X	

Sl. No.	I T E M	At Expense of		Supplied by	
		C	O	C	O
8	Thread lubricant for all tubular including tubing	X		X	
9	Required rope, cotton waste, hand tools and general drilling rig consumables	X		X	
10	Welding & cutting consumables	X		X	
11	All BOP consumables including ring joint gaskets	X		X	
12	Consumables not described but needed for normal drilling operations and maintenance of Contractor's Equipment	X		X	
13	Spares for drilling unit & accessories.	X		X	
14	Replacement of electrical fittings as & when necessary.	X		X	
15	Spares & consumables for communication equipment	X		X	
16	Replacement, spares & consumables for fire-fighting equipment	X		X	
17	Maintaining adequate stock of consumables.	X		X	
18	Consumables for computers. Software should be upgraded as and when required.	X		X	
19	Replacement of tool equipment services as & when necessary	X		X	
20	First-aid & medicine	X		X	
21	Materials required for hygienic atmosphere at well site & camp site	X		X	
22	Materials required for control of pollution.	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 including supply of complete line of chemicals.		X		X
4	Effluent management services	X		X	
5	Directional 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	Cold Casing Cutting Services	X		X	
13	Procurement and supply of drill Bits		X		X
14	Procurement and supply of casings, liners and tubing		X		X
15	Procurement and supply of well heads		X		X
16	Casing handling, servicing, drifting, measuring, thread cleaning and centralizer installation on the Drilling Unit	X		X	

Sl. No.	I T E M	At Expense of		Supplied by	
		C	O	C	O
17	Transportation of entire drilling unit with accessories between locations (inter-location move)	X		X	
18	Inter-location movement of company's equipment attached with the rig.	X		X	
19	Transportation of contractor personnel	X		X	
20	Collection of bits, light consumables and transportation of same including handling at well site.	X		X	
21	Communication service	X		X	
22	Medical facilities at well site & camp site	X		X	
23	Well head installation (BOP, Production & other equipment)	X		X	
24	Handling of all Company equipment at the drilling locations	X		X	
25	BOP testing services	X		X	
26	Maintenance of Contractor's equipment.	X		X	
27	Well killing services	X		X	
28	Effluent water disposal services	X		X	
29	Pollution control	X		X	
30	Computation and record keeping services	X		X	
31	Degassing services	X		X	
32	Catering services	X		X	
33	Medical Services	X		X	
34	Ambulance services	X		X	
35	Firefighting services	X		X	
36	Services of Personnel	X		X	
37	Services not specified above but required by Contractor in normal operations or needed to maintain & operate Contractor's equipment.	X		X	
38	Services not indicated but required due to directions of the Company		X	X	X
39	Any services not specified and have any disputes – to be mutually resolved & agreed between both the Parties	X	X	X	X

To be digitally signed by Bidder's authorized signatory

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. DESIGNATED POST
8. EDUCATIONAL QUALIFICATIONS
9. DATE OF BIRTH
10. EXPERIENCE IN REVERSE ORDER
11. DETAILS OF PROFESSIONAL CERTIFICATE, LICENSE, ETC. WITH VALIDITY

AFFIX
PASSPORT
SIZE
PHOTOGRAPH

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
 - 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).
2. *In case of replacement of the key personnel, 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 approval of Company.*

ANNEXURE – IV**DETAILS OF ELECTRICAL MACHINE USED IN DRILLING RIG PACKAGE**

Sl. No.	Name of Equipment/ Motor	Make	Maker's Sl. No.	Type	CIMFR/ recognized laboratory of country of origin approval no. & validity	Distance from Well head	Gas Group
1							
2							
3							
4							
5							
6							
7							
8							
9							

To be digitally signed by Bidder's authorized signatory

ANNEXURE – V

DETAILS OF ALL CABLES, LIGHT FITTINGS, PUSH BUTTON STATIONS, PLUG & SOCKETS, JUNCTION BOXES, MOTORS, STARTERS ETC.

TO BE USED IN THE OFFERED RIG PACKAGE

Sl. No.	Description	Make	Type	CIMFR/ recognized laboratory of country of origin approval no. & validity	Gas Group

To be digitally signed by Bidder's authorized signatory

Electrical**Questionnaire for Electrical**

(To be filled up separately for each drilling rig offered & to be uploaded along with techno-commercial bid)

Sl. No.	Details	Bidder Remarks
1	Offered Rig is AC-SCR or AC-VFD?	
2	Does the offer include ETP?	
3	Does the rig have provision for installing a top drive?	
	Explain details of provision offered?	
4	Have you submitted the following drawings with the bid?	
	Physical layout, showing all important components	
	Electrical single line diagram, showing all major components	
	Earthing diagram for the rig	
5	Whether Neutral resistance grounding is offered for 415V system (as per CEA Regulations, 2010)?	
6	Give details of the drilling motors offered for MP	
	Make & model	
	Voltage (in V)/ Power rating (in HP)	
	No. of motors per mud pump	
7	Give details of the drilling motors offered for DW	
	Make & model	
	Voltage (in V)/ Power rating (in HP)	
	No. of motors for DW	
8	Give details of Rotary drive employed (chain driven from DW, IRD, combination of chain/IRD)	
	If IRD motor employed, give details similar to MP/DW above	
9	Give details of lighting for hazardous areas	
	Voltage (phase to phase), in V	
	Neutral employed?	(Yes / No)
10	Power Pack Details	
	Make and model offered	
	No of power packs offered	
	Are all offered power packs identical in terms of make/model/power rating / voltage rating	(YES / NO). If NO, give details
	Output Voltage (in VAC)	
	Output power (in kVA)	
	Rotation speed (RPM)	
11	Control Rom details	
	No of PCRs offered	
	Details of SCR / VFD system (Make / model / etc.)	
12	Details of control panels offered	
	Drillers control (DCON) make	
	Is DCON purged with positive pressure? If no, please provide how the control panel is made safe for use.	
	Mud pump / cementing console offered?	(Yes / No)
	If MPCON offered, give details	
13	Details of braking system offered	
	Primary Brake – (Band brake / others)	
	Auxiliary Brake – (EC Brake / through AC motors, etc.)	
	If EC Brake offered, make and model offered	
14	Aviation warning lights offered	

	Day time, white colour, flasher type	(YES / NO) If Yes – Qty.?
	Night Time, Red colour, steady type	(Yes / No) If Yes – Qty.?
15	Emergency / Hooter Alarm system	
	Emergency shut-off system provided?	
	Does the system shut off the alternators when activated?	
	Does the system de-activate the drives when activated?	
	Emergency hooter (electrical) provided?	(Yes / No)
16	BOP control unit	
	Are all electrical items employed in BOP control unit suitable for hazardous areas (Zone 1, Gas group 2A/2B)?	
	CIMFR/ recognized laboratory of country of origin approval obtained and such certificates submitted with bid?	
17	Does bidder agree explicitly to 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? (OIL support will not be available for this.	
18	CIMFR/ recognized laboratory of country of origin approval	
	Does bidder have CIMFR/ recognized laboratory of country of origin approval for all electrical equipment (including motors / lights / panels etc.) deployed in hazardous areas.	(Yes / No)
	Does all electrical equipment conform to IS/ IEC standards as specified by DGMS as per clause no. 107 of OMR- 2017 for use in Zone 1 and Zone 2 hazardous area of the mine.	(Yes / No)
	Has bidder enclosed approval copies for all electrical equipment deployed in hazardous areas?	(Yes / No)
	Is there any equipment without approval, deployed in hazardous areas? If yes, give details of such equipment.	
	Does bidder agree to make rig available for inspection by any statutory authority, and abide by any instruction / directions arising there-from?	(Yes / No)
19	Does bidder agree to supply electric power to production set-up, as and when required, until “Rig-down” is not formally declared?	
20	Does the bidder agree to mobilize a second Rig Package of at least same specifications & capacity on same rates, terms and conditions, if called for by Company during the tenure of contract?	(Yes / No)

To be digitally signed by Bidder’s authorized signatory

PROFORMA UNDERTAKING FROM CONTRACTORS PERSONNEL

I _____ S/o _____ having
permanent residence at _____
Dist. _____ am working with M/s
_____ as their employee. Now, I have been appointed
by M/s _____ for carrying out the contract job under
Contract No. _____ which has been awarded in favour of
my employer M/s. _____.

I 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 privity of Contract between OIL and me.

Signature

Name:
Place:
Date:

Witness

1. NAME:
DESIGNATION
DATE:

2. NAME:
DESIGNATION
DATE:

LIST OF ITEMS (Equipment, Tools, Accessories, Spares & consumable)
TO BE IMPORTED IN CONNECTION WITH EXECUTION
OF THE CONTRACT SHOWING CIF VALUE

Sr l#	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:

3000 HP DRILLING RIG PACKAGE WITH ALL OPERATING CREW

PRICE BID FORMAT
(For Commercial Evaluation Only)

Srl #	Items	Unit	Qty	Unit Rate		Total Amount	
				Code	Amount	Code	Amount
DRILLING RIG PACKAGE (Essential Services) (Includes ETP & Top Drive System)						Specify Currency	
1	Mobilization Charges	Lump sum	1	M		TM = M x 1	
2	De-Mobilization Charges	Lump sum	1	D		TD = D x 1	
3	Operating Charges	Day	1239	ODR		TOP = ODR x 1239	
4	Inter-location move charges (per move in case of cluster location)	Lump sum	3	ILM0		TILMO = ILM0 x 3	
7	Inter-location move charges (per move up to 30 Kms).	Lump sum	4	ILM1		TILM1 = ILM1 x 4	
8	Kilometre charges when Inter-location move is in excess of 30 Kms.	Km	300	ILM2		TILM2 = ILM2 x 300	
11	*Extra Meal & accommodation per person per day in excess of 25 Company designated persons at site	Number	5000	ML		TML = ML x 5000	
12	TOTAL CONTRACT CHARGES FOR FOUR (4) YEARS OF RIG OPERATION	TRO = TM + TD + TOP + TILMO + TILM1 + TILM2 + TML					

RESTRICTIONS:

1	Mobilization Charges for Drilling Rig Package (TM)	TM should not exceed 7.5% (seven and half percent) of one year contract cost including Mobilisation Charges. However, mobilization charges if quoted in excess of 7.5% of the one year contract cost (including mobilisation charge), the excess amount shall be paid at the end of the contract term of both phases.
2	Demobilization Charges for Drilling Rig Package (TD)	TD should not be less than 2.0% (Two percent) of one year Contract Cost. and the deficit amount, if any shall be withheld from the first invoice and the same will be paid at the end of the contract along with Demobilization charges.
3	Standby Day Rate for Drilling Rig Package (SDR)	SDR should not exceed 90% of ODR
4	Repair Day Rate for Drilling Rig Package (RDR)	RDR should not exceed 60% of ODR
5	Force Majeure Day Rate for Drilling Rig Package (FM)	FM should not exceed 50% of ODR
6	Stack Day Rate for Drilling Rig Package (SR)	SR should not exceed 50% of ODR

* Break-up of food charges per meal basis to be furnished as under for consideration of payment towards Company's or Company's designated personnel in excess of 25 (twenty-five) persons on any day at site.

Meal & Accommodation Charges	Rate <i>(Bidder must Specify the Currency)</i>
Bed Tea / Coffee with Biscuits	
Breakfast	
Lunch	
Evening Tea / Coffee with Snacks	
Dinner	
Accommodation	
*Total for meals & accommodation per person per day (Sum total of all above)	

NOTE:

- 1) In case the offered charges exceed the specified RESTRICTIONS then the offer will not be considered for award of contract.
- 2) Bidder should note that all charges against which the unit rates have been asked, shall be payable at actual. The quantities indicated above are only for evaluation of bids / estimation of total contract value. No charges other than indicated shall be applicable.
- 3) The Bid in which the rates for any part of above work is not quoted shall be rejected. However, if no charge is involved for any of the work, '**NIL**' should be mentioned against such part of work.
- 4) Bidder must quote the break-up of food & accommodation charges in the above format, failing which their offer will be summarily rejected.
- 5) All taxes and levies etc. will be borne by the Contractor. However, Goods & Service Tax (GST), if applicable, will be extra to OIL's account.
- 6) **Mobilisation Incentive:** Considering the urgency of the requirement, it is utmost important to get the Rig package at site early. Bidders are requested to quote their best mobilization timeline. Bidders, who mobilizes early from the allowed **150 days** mobilization time will be given a commercial benefit **@ 0.5% per week** on their quoted Mobilization Cost subject to a maximum of 7.5%.

To be digitally signed by Bidder's Authorized signatory

⋄⋄⋄⋄⋄⋄⋄⋄⋄⋄⋄⋄

BID FORM

To
M/s. Oil India Limited,
Contracts Department
P.O. Duliajan-786602, Assam, India

Sub: Tender No. CDG4148L20

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 services in conformity with the said conditions of Contract and Terms of Reference for the sum of _____ (Total Bid Amount in words and figures) 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 within (_____) days calculated from the date of issue of Letter of Award (LOA).

If our Bid is accepted, we will obtain the guarantee of a bank in a sum not exceeding _____ for the due performance of the Contract.

We agree to abide by this Bid for a period of 120 days from the date fixed for Bid closing 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 _____ 2020.

Authorised Person's Signature: _____

Name: _____

Designation: _____

Seal of the Bidder:

STATEMENT OF NON-COMPLIANCE
(Only exceptions/deviations to be rendered)

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

2.0 In addition to the above the Bidder shall furnish detailed information pertaining to construction, operational requirements, velocity-pattern, added technical features, if any and limitations etc. of the Inspection Tool proposed to be deployed.

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 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 tender requirements.

&&&&&&&&&

FORM OF BID SECURITY (BANK GUARANTEE)

To:

**M/s. OIL INDIA LIMITED,
CONTRACTS DEPARTMENT,
DULIAJAN, ASSAM, INDIA, PIN - 786 602**

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 _____ 2020.

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.

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 (**) 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:

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 _____

Name of Bank & Address _____

Witness _____

Address _____

(Signature, Name and Address)

Date: _____

Place: _____

* The Bidder should insert the amount of the guarantee in words and figures.

** Date of expiry of Bank Guarantee should be as specified in the tender document.

Note:

The Bank Guarantee issuing bank branch must ensure the following:

(a) 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.

The above message/intimation indicating the Tender No. CDG2121P20 shall be sent through SFMS by the BG issuing bank branch to HDFC Bank, Duliajan Branch; IFS Code – HDFC0002118; SWIFT Code – HDFCINBBCAL; Branch Address: HDFC Bank Limited, Duliajan Branch, Utopia Complex, BOC Gate, Jayanagar, Duliajan, Dibrugarh, PIN – 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 Bid Security must contain the Tender Number.

FORM OF PERFORMANCE BANK GUARANTEE

To:
M/s. OIL INDIA LIMITED,
CONTRACTS DEPARTMENT,
Duliajan, Assam, India, Pin - 786 602

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 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 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 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:

SIGNATURE AND SEAL OF THE GUARANTORS _____
Designation _____

Name of Bank _____

Address _____

Witness _____

Address _____

Date.....

Place _____

Note:

The Bank Guarantee issuing bank branch must ensure the following:

(a) 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.

The above message/intimation indicating the Contract No.-----shall be sent through SFMS by the BG issuing bank branch to HDFC Bank, Duliajan Branch; IFS Code – HDFC0002118; SWIFT Code – HDFCINBBCAL; Branch Address: HDFC Bank Limited, Duliajan Branch, Utopia Complex, BOC Gate, Jayanagar, Duliajan, Dibrugarh, PIN – 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.

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. **CDG4148L20**.

WHEREAS, Contractor accepted the above Letter of Award vide----- and submitted Performance Bank Guarantee No. ----- Dated----- valid till----- issued by -----(Bank's name with detailed address) for an amount of -----. 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.
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 LETTER OF AUTHORITY

TO
CGM - CONTRACTS
Oil India Ltd.,
P.O. Duliajan - 786 602
Assam, India

Sir,

Sub: OIL's IFB No. CDG4148L20

We _____ confirm that Mr. _____ (Name and address) as authorised to represent us to Bid, negotiate and conclude the agreement on our behalf with you against Tender Invitation No. _____ for hiring of services for _____.

We confirm that we shall be bound by all and whatsoever our said representative shall commit.

Yours Faithfully,

Authorised Person's Signature: _____

Name: _____

Designation: _____

Seal of the Bidder:

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. If signed by a consortium, it shall be signed by members of the consortium.

AUTHORISATION FOR ATTENDING BID OPENING

TO
CGM (CONTRACTS)
Oil India Ltd.,
P.O. Duliajan - 786 602
Assam, India

Date: _____

Sir,

Sub: OIL's IFB No. CDG4148L20

We authorize Mr. /Mrs. _____ (Name and address) to be present at the time of opening of the above IFB due on _____ at Duliajan on our behalf.

Yours Faithfully,

Authorised Person's Signature: _____

Name: _____

Designation: _____

Seal of the Bidder:

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.

INTEGRITY PACT

Between

Oil India Limited (OIL) hereinafter referred to as "The Principal"

And

(Name of the bidder).....hereinafter referred to as "The Bidder/Contractor"

Preamble:

The Principal intends to award, under laid down organizational procedures, contract/s for **services under Tender No. CDG4148L20**. 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 and Contractor/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 and the execution of the contract 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:

1. No employee of the Principal, personally or through family members, will in connection with the tender for, or the 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.
2. 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 or the contract execution.
3. 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 Page 2 of 6 substantive suspicions in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section: 2 -Commitments of the Bidder/Contractor

(1) The Bidder/Contractor commits itself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

1. The Bidder/Contractor 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 the execution of the contract.

2. The Bidder/Contractor 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.

3. The Bidder/Contractor will not commit any offence under the relevant Anticorruption Laws of India; further the Bidder/Contractor 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.

4. The Bidder/Contractor 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.

(2) The Bidder/Contractor will not instigate third persons to commit offences outlined above or be an accessory to such offences.

(3) The Bidder/Contractor 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 or to terminate the contract, if already signed, for such reason.

1. If the Bidder/Contractor 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/Contractor 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 3 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/Contractor 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 till the final completion of the contract **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) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the principal shall be entitled to demand and recover from the Contractor liquidated damages equivalent to Security Deposit / Performance Bank Guarantee.

3. The bidder agrees and undertakes to pay the said amounts without protest or demur subject only to condition that if the Bidder/Contractor can prove and establish that the exclusion of the Bidder from the tender process or the termination of the contract after the contract award has caused no damage or less damage than the amount or the liquidated damages, the Bidder/Contractor 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 or the contract, if already awarded, can be terminated 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 / Contractor undertake(s) to procure from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor 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 external independent Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
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 Contractor accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor 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 Contractor. The parties offer to 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 / contractor 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.

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, i.e. New Delhi. 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. If the Contractor is a partnership or a consortium, this agreement must be, signed by all partners or consortium members.

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 intentions.

For the Principal

Place: Duliajan

Date: --.--.2020

For the Bidder/Contractor

Witness1:

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).

&&&&

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 three (3) completed accounting years upto _____ are correct.

YEAR	TURN OVER In INR (Rs.) Crores or US \$ Million)	NET WORTH In INR (Rs.) Crores or US \$ Million)

Rate of Conversion (if used any): USD 1.00 = INR.....

Place:

Date:

Seal:

Membership Code:

Registration No. :

Signature

Proforma of Bank Guarantee towards Purchase Preference – Local Content

Ref. No. _____

Bank Guarantee No. _____

Dated _____

To
Oil India Limited_____
India

Dear Sirs,

1. In consideration of _____
(hereinafter referred to as OIL, which expression shall, unless repugnant to the context or meaning thereof, include all its successors, administrators, executors and assignees) having entered into a CONTRACT No. _____ dated _____ (hereinafter called 'the CONTRACT' which expression shall include all the amendments thereto) with M/s _____ having its registered/head office at _____ (hereinafter referred to as the 'CONTRACTOR') which expression shall, unless repugnant to the context or meaning thereof include all its successors, administrators, executors and assignees) and OIL having agreed that the CONTRACTOR shall furnish to OIL a Bank guarantee for India Rupees/US\$ _____ for the faithful fulfillment of conditions pertaining to Local Content in accordance with the value mentioned in the certificate of Local Content submitted by the contractor for claiming purchase preference under the Purchase Preference Policy (linked with Local Content).
2. We (name of the bank) _____ registered under the laws of _____ having head/registered office at _____ (hereinafter referred to as "the Bank", which expression shall, unless repugnant to the context or meaning thereof, include all its successors, administrators, executors and permitted assignees) do hereby guarantee and undertake to pay to OIL immediately on first demand in writing any / all money to the extent of Indian Rs./US\$ (in figures) _____ (Indian Rupees/US Dollars (in words) _____) without any demur, reservation, contest or protest and/or without any reference to the CONTRACTOR. Any such demand made by OIL on the Bank by serving a written notice shall be conclusive and binding, without any proof, on the bank as regards the amount due and payable, notwithstanding any dispute(s) pending before any Court, Tribunal, Arbitrator or any other authority and/or any other matter or thin whatsoever, as liability under these presents being absolute and unequivocal. We agree that the guarantee herein contained shall be irrevocable and shall continue to be enforceable until it is discharged by OIL in writing. This guarantee shall not be determined, discharged or affected by the liquidation, winding up, dissolution or insolvency of the CONTRACTOR and shall remain valid, binding and operating against the bank.
3. The Bank also agrees that OIL at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance, without proceeding against the CONTRACTOR and notwithstanding any security or other guarantee that OIL may have in relation to the CONTRACTOR's liabilities.
4. The Bank further agrees the OIL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary

any of the terms and conditions of the said CONTRACT or to extend time of performance by the said CONTRACTOR(s) from time to time or to postpone for any time or from time to time exercise of any of the powers vested in OIL against the said CONTRACTOR(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said CONTRACTOR(s) or for any forbearance, act or omission on the part of OIL or any indulgence by OIL to the said CONTRACTOR(s) or any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

5. The Bank further agrees that the Guarantee herein contained shall remain in full force during the period that is taken for the performance of the CONTRACT and all dues of OIL under or by virtue of this CONTRACT have been fully paid and its claim satisfied or discharged or till OIL discharges this guarantee in writing, whichever is earlier.
6. This Guarantee shall not be discharged by any change in our constitution, in the constitution of OIL or that of the CONTRACTOR.
7. The Bank confirms that this guarantee has been issued with observance of appropriate laws of the country of issue.
8. The Bank also agrees that this guarantee shall be governed and construed in accordance with Indian Laws and subject to the exclusive jurisdiction of Indian Courts of the place from where the purchase CONTRACT has been placed.
9. Notwithstanding anything contained herein above, our liability under this Guarantee is limited to Indian Rs./US\$(in figures) _____ (Indian Rupees/US Dollars (in words) _____) and our guarantee shall remain in force until _____(indicate the date of expiry of bank guarantee).

Any claim under this Guarantee must be received by us before the expiry of this Bank Guarantee. If no such claim has been received by us by the said date, the rights of OIL under this Guarantee will cease. However, if such a claim has been received by us within the said date, all the rights of OIL under this Guarantee shall be valid and shall not cease until we have satisfied that claim.

In witness whereof, the Bank through its authorized officer has set its hand and stamp on this _____ date of _____ 20____ at _____

WITNESS NO.1

(Signature)
Full name and official address
(in legible letters)
Stamp

(Signature)
Full name, designation and address
(in legible letters)
With Bank

WITNESS NO.2

(Signature)
Full name and official address
(in legible letters)
Stamp

Attorney as power of
Attorney no._____
Dated_____

**To
CGM-CONTRACTS
OIL INDIA LIMITED
DULIAJAN-786602**

SUB: SAFETY MEASURES FOR TENDER NO. CDG4148L20

DESCRIPTION OF WORK/ SERVICE:

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 authorised 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, 1984 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.

(Seal)

Date_____

Yours Faithfully

M/s_____

FOR & ON BEHALF OF CONTRACTOR

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. _____ **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)

**ON THE OFFICIAL PAD OF THE BIDDER TO BE EXECUTED BY THE AUTHORIZED
SIGNATORY OF THE BIDDER**

Certificate of Compliance of FINANCIAL CRITERIA:

Ref. Clause No. A. 3.4 under Part-2 (BRC/BEC) of the Tender

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.**

Place:

Date:

Signature of the authorized signatory

Note: Please note that any declaration having date after the Bid Closing Date will not be considered and will be rejected. 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.

LIH Declaration Format

Format that the particular equipment/ tool is question is not covered by contractor's insurance:

***ON THE OFFICIAL PAD OF THE CONTRACTOR TO BE EXECUTED BY THE
AUTHORIZED SIGNATORY OF THE CONTRACTOR***

UNDERTAKING

Ref Clause No. 9.1.1 of the SCC (Part 3, Section III) 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-9.0 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 as stated under the clause 9.2 sub-clause (d) of General Condition of Contracts provided under the above tender 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

**FORMAT OF AGREEMENT BETWEEN BIDDER AND THEIR PARENT COMPANY /
100% SUBSIDIARY COMPANY (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, as the case may be) hereinafter referred to as "Parent Company/Subsidiary Company (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 severally 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:
1)
2)

M/s.
Witness:
1)
2)

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 / **100% 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 and 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 _____

Witness:

1. Signature _____
Full Name _____
Address _____

Signature _____

Name _____

Designation _____

Common seal of the
Company_____

Witness:

2. Signature _____
Full Name _____
Address _____

**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:

1. The Guarantor confirms that the Bidder is a 100% subsidiary of the Guarantor.
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 **Rs. 74.12 Crores (or equivalent value in US\$)** during any of the preceding 03(three) financial/accounting years reckoned from the original bid closing date.
4. **Net worth** of the Guarantor is positive for preceding financial/ accounting year.
5. The Guarantor undertakes to provide financial support to the Bidder for executing the project/job, in case the same is awarded to the Bidder.
6. 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:

1.

2.

Witness:

1.

2.

* Break-up of food charges per meal basis to be furnished as under for consideration of payment towards Company's or Company's designated personnel in excess of 25 (twenty-five) persons on any day at site.						
	Meal & Accommodation Charges	Rate				
		(Bidder must Specify the Currency)				
a	Bed Tea / Coffee with Biscuits					
b	Breakfast					
c	Lunch					
d	Evening Tea / Coffee with Snacks					
e	Dinner					
f	Accommodation					
	*Total for meals & accommodation per person per day (Sum total of all above)	0				
NOTE:						
1	Mobilization charges for the rig package shall not exceed 7.5% (seven and half percent) of one year contract cost including Mobilisation Charges. However, mobilization charges if quoted in excess of 7.5% of the one year contract cost (including mobilisation charge), the excess amount shall be paid at the end of the contract term of both phases.					
2	The Demobilization Charges should not be less than 2% (Two percent) of one year Contract Cost and the deficit amount, if any shall be withheld from the first invoice and the same will be paid at the end of the contract along with Demobilization charges.					
3	Standby Day Rate should not exceed 90% (Ninety percent) of the Operating Day Rate (ODR).					
4	Repair Day Rate should not exceed 60% (Sixty percent) of the Operating Day Rate (ODR).					
5	Force Majeure Day Rate should not exceed 50% (Fifty percent) of Operating Day Rate (ODR).					
6	Stack Day Rate should not exceed 50% (Fifty percent) of Operating Day Rate (ODR).					
7	Bidders must quote for all activities as mentioned in the "Price bid format". Evaluation of the bids shall be carried out as mentioned in the Bid Evaluation Criteria (BEC) of the tender.					
8	Procurement of Specific Goods: Earlier, there was no tax incidence in case of import of specified goods. However, 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 @5% (BCD Nil & IGST @5%) subject to conditions specified therein (Condition No. 48). Bidders should quote these GST component 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.					
9	Please note that as per Section 171 of the GST act [Anti-Profiteering Provisions Under the GST Law], it is mandatory to pass on the benefit due to any reduction in rate of tax or from input tax credit to the consumer by the way of commensurate reduction in price.					
10	Unless stated otherwise in the Bidding Documents, the Contract shall be for the whole works as described in Bidding Documents, based on the rates and prices submitted by the Bidder and accepted by the Employer. The price/rate(s) quoted by the Bidders will be inclusive of all taxes 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 services. However, GST rate (including cess) to be provided in the respective places in the Price Bid.					
11	Bidder should also mention the Harmonised System of Nomenclature (HSN) and Service Accounting Codes (SAC) at the designated place in SOR.					
12	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 GST(CGST & SGST/UTGST or IGST) subject to Purchase Preference Policies.					
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. 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.					
14	Price Bid 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 contract/order on that bidder, taxes mentioned by OIL on the Purchase Order/ Contracts will be binding on the bidder.					
15	0(zero) % Input Tax Credit on GST (Goods & Service Tax) is available to OIL & the same shall be considered for the Purpose of evaluation.					
16	Bidder should note that all charges against which the unit rates have been asked, shall be payable at actual. The quantities indicated above are only for evaluation of bids / estimation of total contract value.					
17	Bidders to Quote the Percentage under the allowed Percentage under Standby,Repair,Force Majeure and Stake Day rate. To ensure that status is OK. Else bid will be liable for Rejection.					