OIL INDIA LIMITED
(A Govt. of India Enterprise)
P.O. DULIAJAN, DIST - DIBRUGARH
ASSAM, INDIA, PIN-786602

CONTRACTS DEPARTMENT
TEL: (91) 374-2800548
E-mail: contracts@oilindia.in
Website: www.oil-india.com
FAX: (91) 374-2803549

**FORWARDING LETTER**

**Sub: IFB No. CDG7089P25 for 'Hiring of Integrated Drilling Services (IDS)-3 for Drilling Wells in Assam and Arunachal Pradesh'**

Dear Sirs,

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

**2.0** In connection with its operations, OIL invites International Competitive Bids (ICB) from competent and experienced Contractors through OIL's e-procurement site for **'Hiring of Integrated Drilling Services (IDS)-3 for Drilling Wells in Assam and Arunachal Pradesh'.** One complete set of Bid Document covering OIL's IFB for hiring of above services is uploaded in OIL's e-procurement portal. You are invited to submit your most competitive bid on or before the scheduled bid closing date and time through OIL's e-procurement portal. For your ready reference, few salient points of the IFB (covered in detail in the Bid Document) are highlighted below:

| | | | |
|---|---|---|---|
| (i) | IFB No. /E-Tender No. | : | **CDG7089P25** |
| (ii) | Type of Bidding | : | Online open Global e-Tender: Single Stage-Two Bid System |
| (iii) | Tender Fee | : | Not Applicable |
| (iv) | Bid Closing Date & Time | : | **20.08.2024 at 11:00 Hrs (IST)** |
| (v) | Technical Bid Opening Date & Time | : | **20.08.2024 at 14:00 Hrs (IST)** |
| (vi) | Price Bid Opening Date & Time | : | Will be intimated only to the eligible/qualified Bidders nearer the time. |
| (vii) | Bid Submission Mode | : | Bids must be uploaded online in OIL's E-procurement portal |
| (viii) | Bid Opening Place | : | Office of Chief General Manager-Contracts<br>Contracts Department,<br>Oil India Limited, Duliajan -786602,<br>Assam, India. |

| | | | |
|---|---|---|---|
| (ix) | Bid Validity | : | 120 (one hundred twenty) days from Bid Closing date |
| (x) | Mobilization Time | : | As defined in the tender |
| (xi) | Bid Security Amount | : | Rs. 8 Crore or USD 1 million |
| (xii) | Bid Security Validity | : | 01.02.2025 |
| (xiii) | Amount of Performance Security | : | 5% of total contract value |
| (xiv) | Validity of Performance Security | : | Up to 3 (three) months from date of completion of contract |
| (xv) | Location of job | : | Assam & Arunachal Pradesh |
| (xvi) | Duration of the Contract | : | 04 (Four) years |
| (xvii) | Quantum of Liquidated Damage for Default in Timely Mobilization | : | Refer Clause No. 30.0 of Part-3, Section-I (General Conditions of Contract). |
| (xviii) | Integrity Pact | : | Must be digitally signed & uploaded along with the Techno-commercial Bid. |
| (xix) | Bids to be addressed to | : | Chief General Manager-Contracts,<br>Contracts Department,<br>Oil India Limited, Duliajan-786602,<br>Assam, India. |
| (xx) | Pre-Bid conference | : | Shall be held tentatively on 1st week of August'2024 |
| (xxi) | Last Date of receipt of Queries | : | 30.07.2024 |

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

3.1 Bids are to be submitted online through OIL's E-Procurement Portal with digital signature. To participate in OIL's E-Procurement tender, bidders should have a legally valid digital certificate of Class 3 with 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 other than Bidder's Name are not acceptable. However, aforesaid Digital Signature Certificates having Bidder's Name in the "Organization Name" field are acceptable.

In case of sole proprietorship firms, Digital Signature Certificates issued in the name of the proprietor is also acceptable provided the bid is submitted in the capacity of a proprietorship firm.

Encryption certificate is mandatorily required for submission of bid. In case bidder creates response with one certificate (using encryption key) and then the bidder changes his Digital Signature Certificate, then the 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.

The authenticity of above digital signature shall be verified through authorized CA after bid opening and in case the digital signature used for signing is not of "Class 3 with Organizations Name and Encryption Certificate", the bid will be rejected.

Bidder is responsible for ensuring the validity of digital signature and its proper usage by their employee.

The bid including all uploaded documents shall be digitally signed by duly authorized representative of the bidding company.

The bid including all uploaded documents shall be digitally signed by duly authorized representative of the Bidder/Bidding company to bind the Bidder/Bidding company to the contract.

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

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

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

3.3 Parties, who do not have a User ID, can click on Guest login button in the E-portal to view and download the tender. 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.

3.4 The link to OIL's E-Procurement Portal has been provided through OIL's web site (www.oil-india.com).

**4.0** 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) (Server Time) at the office of the GM-Contracts (HoD) in presence of the authorized representatives of the bidders.

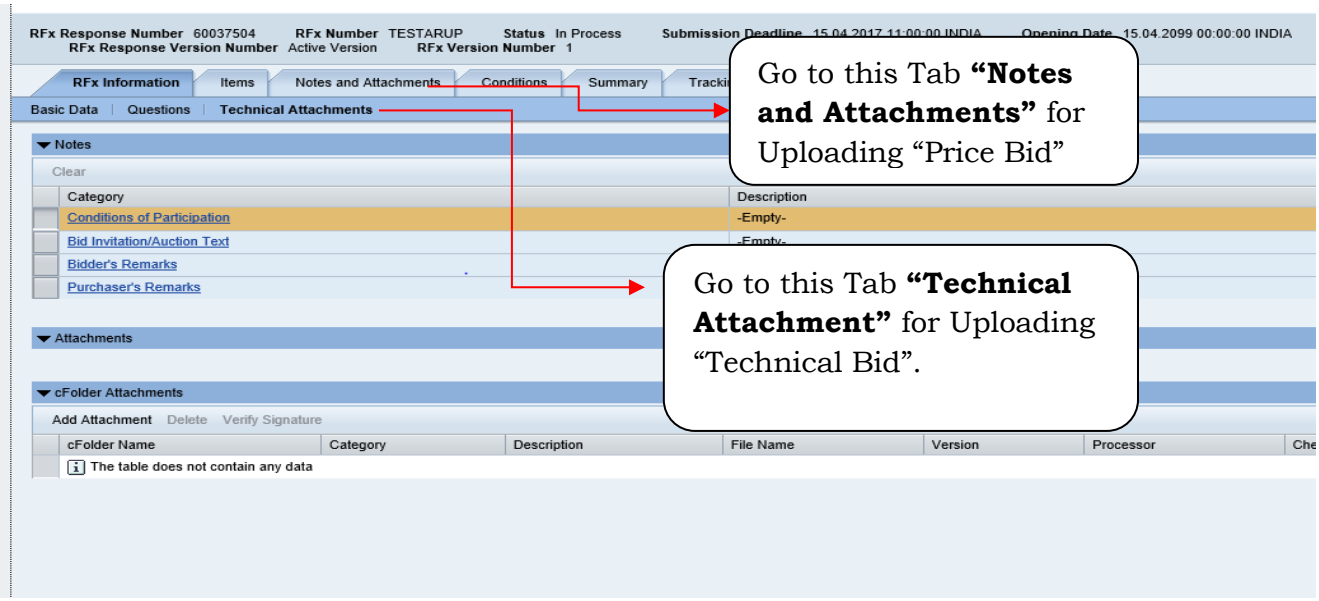
**5.0** The rates shall be quoted per unit as specified in the "PRICE BIDDING FORMAT" attached under "Notes and Attachments" tab. Bidder should note that no pricing information is furnished in the "Technical Attachment" (Un-priced Techno-Commercial Bid) otherwise the bid will be rejected.

**6.0** (a) No Bidder can withdraw his bid within the validity or extended validity of the bid. Withdrawal of any bid within validity period will lead to debarment from participation in future tenders, at the sole discretion of the company.

(b) Once a withdrawal letter is received from any bidder, the offer will be treated as withdrawn and no further claim/correspondence will be entertained in this regard.

**7.0** Conditional bids are liable to be rejected at the discretion of the Company.

**8.0** **SCREEN SHOTS**




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

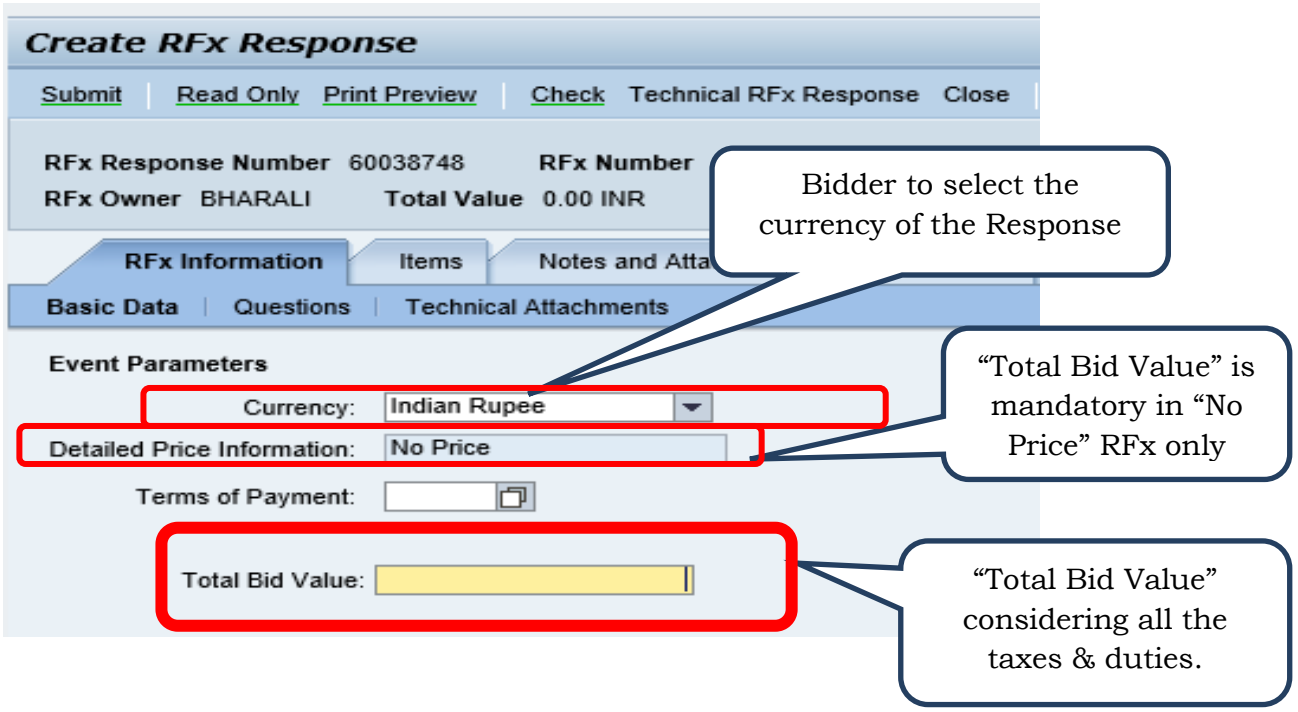
Note:

* 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, first 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.

**9.0** **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 after price bid opening to those bidders whose price bids have been opened in the system. For tenders where Detailed Price Information under RFx Information Tab is "No price", the Price Bid is invited through attachment form under "Notes & Attachment". As per the existing process, Bidders must upload their pricing as per the "Price Bidding Format" under "Notes &

Attachment". Additionally the bidders must fill up the on-line field "Total Bid Value" under Tab Page "RFx Information" with the Total Cost (Including the GST component) as per the amount of the Price Bid in attachment form.




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

**10.0** The selected bidder will be required to enter into a formal contract, which will be based on their bid and OIL's Standard Form of Contract.

**11.0** The successful bidder shall furnish a Performance Security Deposit in the form of Bank Guarantee as specified above before signing the formal contract. The Performance Security Deposit will be refunded to the Contractor after satisfactory completion of the work, but a part or whole of which shall be used by the Company in realization of liquidated damages or claims, if any or for adjustment of compensation or loss due to the Company for any reason. This Security Money shall not earn any interest.

**12.0** **BACKING OUT BY L1 BIDDER AFTER ISSUE OF LOA:** In case LOA issued is not accepted by the L1 bidder or the Performance Security is not submitted as per the terms of the contract within the time specified in the Bid Document the bidder shall be suspended for the period of two years. This suspension of two years shall be automatic without conducting any enquiry.

**13.0** **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. The bidder has to submit an undertaking in this regard as per attached Proforma-IX.

**14.0** **PROVISION FOR ACTION IN CASE OF ERRING/DEFAULTING AGENCIES:** Erring and defaulting agencies like bidder, contractor, supplier, vendor, service provider will be dealt as per OIL's Banning Policy dated 17.03.2023 available in OIL's website: www.oil-india.com.

**15.0** Time will be regarded as the essence of the Contract and the failure on the part of the Contractor to complete the work within the stipulated time shall entitle the Company to recover liquidated damages and/or penalty from the Contractor as per terms of the tender/ contract.

**16.0** The contractor will be required to allow OIL officials to inspect the work site and documents in respect of the workers' payment.

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

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

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

17.2 "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.

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

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

17.4 The beneficial owner for the purpose of para 17.3 above will be as under:

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

Explanation:

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

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

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

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

17.4.4 Where no natural person is identified under 17.4.1 or 17.4.2 or 17.4.3 above, the beneficial owner is the relevant natural person who holds the position of senior managing official;

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

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

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

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

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

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

Thanking you,
Yours faithfully,
OIL INDIA LIMITED

(KAUSHIK DAS)
MANAGER CONTRACTS (O&G)
For CGM (CONTRACTS) (HoD)
For RESIDENT CHIEF EXECUTIVE

Date: 23.07.2024

## PART-I: INSTRUCTIONS TO BIDDERS

### 1.0 ELIGIBILITY OF THE BIDDER:

1.1 The eligibility of the bidder are listed under BID EVALUATION CRITERIA (BEC) of the tender document.

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

### 2.0 BID DOCUMENTS:

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

a) A Tender Forwarding Letter
b) Instructions to Bidders (ITB), (Part-1)
c) Bid Evaluation Criteria (BEC), (Part-2)
d) General Conditions of Contract (GCC) : (Part-3, Section-I)
e) Terms of Reference/Technical Specification, (Part-3, Section-II)
f) Special Conditions of Contract, (Part-3, Section-III)
g) Schedule of Rates, (Part-3, Section-IV)
h) Safety Measures (SM) : (Part-4)
i) Integrity Pact (IP) : (Part-5)
j) Bid Form : Proforma-I
k) Statement of Non-Compliance : Proforma-II
l) Authorisation for Attending Bid Opening : Proforma-III
m) Proforma of Letter of Authority : Proforma-IV
n) Format of Bid Security: Proforma–V
o) Proforma for E-Remittance : Proforma-VI
p) Format of Performance Security : Proforma-VII
q) Agreement Form : Proforma-VIII
r) Format of Undertaking by Bidders towards submission of authentic information/documents : Proforma–IX
s) Certificate of Compliance of Financial Criteria : Proforma–X
t) Commercial Check List: Proforma–XI
u) Undertaking towards submission of Bank Guarantee: Proforma–XII
v) Undertaking by TPI (Proforma-XIII)
w) Financial Turnover and Net-worth (Proforma -XIV)
x) Technical Evaluation Sheet for BEC-BRC & others
y) Other Annexures, Appendices, Exhibits & Checklists

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

2.3 Bidders shall be deemed, prior to submitting their bids, to have satisfied themselves about the weather conditions, working culture in the area, socio-political environment, safety & security aspects, law & order situation and law of the land,

and obtain for themselves all necessary information as to the risks, contingencies and all other circumstances, which may influence or affect the various obligations under the Contract.

## 3.0 TRANSFERABILITY OF BID DOCUMENTS:

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

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

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

## 4.0 AMENDMENT OF BID DOCUMENTS:

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

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

## 5.0 PREPARATION OF BIDS:

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

5.2 Bidder's/Agent's Name & address: Bidders should indicate in their bids their detailed postal address including the Fax/Telephone / Cell Phone Nos. and E-mail address. Similar information should also be provided in respect of their authorized Agents in India, if any.

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

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

a) Complete technical details of the services offered.

b) Documentary evidence established in accordance with Clause No. 9.0.

c) Bid Security-

d) Copy of Bid Form without indicating prices in Proforma-I.

e) Statement of Non-compliance as per Proforma–II.

f) Copy of Priced Bid without indicating prices.

g) Integrity Pact digitally signed by OIL's competent personnel as Part-5.

h) Proforma-IV attached with the bid document to be signed by the bidders Authorized representative.

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

Note: No price should be mentioned in the "Technical Attachments" tab.

(B) The Price Bid as per the Price Bid Format shall be uploaded in "Notes and Attachments" tab.

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

6.0 **BID FORM:** The bidder shall complete the Bid Form and upload the same along with their bid.

**7.0 BID PRICE:**

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

7.2 Prices quoted by the successful bidder must remain firm during its performance of the Contract and is not subject to variation on any account, except as otherwise mentioned in the bid document.

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

**8.0 CURRENCIES OF BID AND PAYMENT:**

**FOR FOREIGN BIDDERS:**

Foreign Bidders are allowed to quote price (and get paid) in RBI's notified basket of foreign currencies - US Dollar or Euro or Pound Sterling or Yen etc., in addition to the Indian Rupees, except for expenditure incurred in India (including agency commission if any) which should be stated in Indian Rupees. For determining the expenditure incurred in India, the foreign bidder must quote the percentage of the

Indian Component/expenditure against each line item of the Price Bid Format. During payment (if successful), the Expenses in India component of the price shall be converted to INR (if their quoted price is other than INR) considering the conversion rate as per Clause 21.0 of ITB. The bidder shall submit an Undertaking as per Proforma-XY along with the technical bid.

**FOR INDIAN BIDDERS:**

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

**9.0 DOCUMENTS ESTABLISHING BIDDER'S ELIGIBILITY AND QUALIFICATIONS:** These are listed in BID EVALUATION CRITERIA (BEC), of the tender documents.

**10.0 BID SECURITY:**

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

10.2 All the bids must be accompanied by Bid Security in Original as prescribed under, for the amount as mentioned in the "Forwarding Letter" of the tender documents:

a. The Bid Security should be submitted in the form of irrevocable Bank Guarantee (as per Proforma-V) issued by Nationalized or Scheduled Bank in favour of M/s Oil India Limited and payable at DULIAJAN. The Bank Guarantee must be on Non-Judicial Stamp Paper of requisite value as per Indian Stamp Act purchased in the name of Banker.

b. Alternately Bid Security can also be paid through Bank Draft/Cashier's Cheque/Banker's Cheque/Fixed Deposit Receipt (Account OIL INDIA LIMITED)/irrevocable Letter of Credit/NEFT/RTGS /Electronic Fund Transfer through Online Payment Gateway of OIL's e-tender portal (subject to credit in OIL's account within prescribed time) to designated account of OIL.

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

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

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

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

c. In case of Bidders submitting Bid Security in the form of Bank Guarantee/Bank Draft/Cashier's Cheque/Banker's Cheque/Fixed Deposit Receipt/Letter of Credit, the original hard copy of Bid Security should reach the office of CGM-CONTRACTS on or before **12.45 p.m. (IST)** on the bid closing/opening date otherwise bid will be rejected.

d. A scanned copy of Bid Security document should also be uploaded along with the Unpriced Techno-Commercial Bid documents.

e. This Bid Security Deposit shall be refunded to all unsuccessful bidders but is liable to be forfeited in full or part, at Company's discretion, as per **Clause No. 10.8** below. Bids without Bid Security Deposit in the manner specified above will be summarily rejected.

f. No other mode of payment will be accepted by the Company. The Bid Security shall not earn any interest to the bidder from the Company.

**Note:**

i. Bidders claiming waiver of Bid Security shall upload supporting documents as mentioned in **Para No. 11.0** below along with technical bid.

ii. Any offer not accompanied with the Bid Security shall be treated as invalid and summarily rejected unless the bidder is exempted from submission of Bid Security as per Bid Security Exemption Criteria of this tender and proper proof towards this exemption is submitted by the bidder. Any subsequent deposit of Bid Security after the bid closing date shall not be permitted. Also, adjustment of Bid Security due against the instant tender, against dues from the Company or on any account shall not be permitted.

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

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

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

10.6 Successful Bidder's Bid Security will be discharged and/or returned upon Bidder's furnishing the Performance Security and signing of the contract. Successful bidder will however ensure validity of the Bid Security till such time the Performance Security in conformity with Clause No. 27.0 below is furnished.

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

10.8 The Bid Security may be forfeited:

a. If the bidder withdraws the bid within its original/extended validity.

b. If the bidder modifies/revises their bid suo-moto within its original/extended validity.

c. If the bidder does not accept the contract.

d. If the bidder does not furnish Performance Security Deposit within the stipulated time as per tender/contract.

e. If it is established that the bidder has submitted fraudulent documents or has indulged into corrupt and fraudulent practice, the bid security shall be forfeited after due process in addition to other action against the bidder.

10.10 In case any bidder withdraws their bid during the period of bid validity, Bid Security will be forfeited and the party shall be debarred as per the prevailing Banning Policy of the Company (OIL).

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

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

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

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

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

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

The above message / intimation shall be sent through SFMS (indicating the Contract Number) by the BG issuing bank branch to ICICI BANK LTD., Duliajan Branch; IFS Code – ICIC0000213; SWIFT Code – ICICINBBXXX;

Branch Address: Kunja Bhavan, Daily Bazaar, Duliajan, Dibrugarh, Assam – 786602

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

**11.0 EXEMPTION FROM SUBMISSION OF BID SECURITY:** In case any bidder is exempted from paying the Bid security, they should upload the supporting documents along with their technical bid. The detailed guidelines for exemption of the Bid security are given below.

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

Note:

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

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

b) Central Government Departments and Central Public Sector Undertakings (CPSUs) are also exempted from submitting bid security.

Note:

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

**ii. Provisions such as seeking support from another company by way Parent/Subsidiary/Company's experience etc., wherever allowed in the tender document shall be available to all interested bidders including MSEs. In those**

**scenarios, MSEs quoting on the strength of Parent/Subsidiary/ (whichever applicable) will be eligible for the benefits (Purchase Preference and EMD Exemption) reserved for MSEs provided the supporting company for technical and financial strength is/are also MSE(s). In case of Consortium arrangements, all the members including the leader of the consortium shall be MSEs for availing the benefits (Purchase Preference and EMD Exemption) reserved for MSE.**

## 12.0 PERIOD OF VALIDITY OF BIDS:

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

12.2 In exceptional circumstances, the Company may solicit the Bidder's consent to an extension of the period of validity. The request and the response thereto shall be made in writing through Fax or e-mail. A Bidder may refuse the request. A Bidder granting the request will neither be required nor permitted to modify their Bid.

## 13.0 SIGNING & SUBMISSION OF BIDS:

13.1 Signing of bids:

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

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

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

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

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

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

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

13.2 Submission of bids:

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

a) Printed catalogue and literature if called for in the bid document.

b) Any other document required to be submitted in original as per bid document.

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

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

13.2.2 Timely delivery of the documents in physical form as stated in Para 13.2 above is the responsibility of the bidder. Bidders should send the same through Registered Post or by Courier Services or by hand delivery to the Officer in Charge of the particular tender before the Bid Closing Date and Time. Company shall not be responsible for any postal delay/transit loss.

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

## 14.0 INDIAN AGENT/REPRESENTATIVE/RETAINER/ASSOCIATE

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

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

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

## 15.0 DEADLINE FOR SUBMISSION OF BIDS:

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

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

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

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

## 17.0 MODIFICATION AND WITHDRAWAL OF BIDS:

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

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

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

**18.0 EXTENSION OF BID SUBMISSION DATE:** Normally no request for extension of Bid Closing Date & Time will be entertained. However, OIL at its discretion, may extend the Bid Closing Date and/or Time due to any reasons.

## 19.0 BID OPENING AND EVALUATION:

19.1 Company will open the Bids, including submission made pursuant to clause 12.2, in presence of Bidder's representatives who choose to attend at the date, time and place mentioned in the Forwarding Letter. However, an authorization letter (as per Proforma-III) 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.

19.2 In technical bid opening, only “Technical Attachment” will be opened. Bidders therefore should ensure that technical bid is uploaded in the “Technical Attachment” Tab Page only in the E-portal.

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

19.4 Bids which have been withdrawn pursuant to clause 17.0 shall not be opened. Company will examine bids to determine whether they are complete, whether requisite Bid Securities have been furnished, whether documents have been digitally signed and whether the bids are generally in order.

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

19.6 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.

19.7 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 substantial way the scope, quality, or performance of work, or which limits in any substantial way, in-consistent way with the Bid Documents, the Company's right or the bidder's obligations under the contract, and the rectification of which deviation or reservation would affect unfairly the competitive position of other bidders presenting substantial responsive bids. The Company's determination of Bid's responsiveness is to be based on the contents of the Bid itself without recourse to extrinsic evidence.

19.8 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.

19.9 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.

## 20.0 OPENING OF PRICED BIDS:

20.1 In case of composite bid system, Price bids will be opened on the scheduled bid closing date itself.

20.2 In case of two bid system, Company will open the Priced Bids of the techno-commercially qualified Bidders on a specific date in presence of representatives of the qualified bidders. The techno-commercially qualified Bidders will be intimated about the Priced Bid Opening Date & Time in advance.

20.3 In case of any unscheduled holiday or Bandh on the Priced Bid Opening Date, the Bids will be opened on the next working day.

20.4 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.

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

**21.0 CONVERSION TO SINGLE CURRENCY:**

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

**22.0 EVALUATION AND COMPARISON OF BIDS:** The Company will evaluate and compare the bids as per BID EVALUATION CRITERIA (BEC) of the Tender Documents.

22.1 Discounts/Rebates:

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

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

**22.2 Loading of foreign exchange**

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

**22.3 Exchange rate risk:** Company will not compensate for any exchange rate fluctuations in respect of the services.

**22.4 Repatriation of rupee cost**

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

**23.0 CONTACTING THE COMPANY:**

23.1 Except as otherwise provided in Clause 19.0 above, no Bidder shall contact Company on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded except as required by Company vide sub-clause 19.6.

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

**24.0 AWARD OF CONTRACT:**

24.1 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.

**25.0 COMPANY'S RIGHT TO ACCEPT OR REJECT ANY BID:** Company reserves the right to accept or reject any or all bids and to annul the bidding process and reject all bids, at any time prior to award of contract, without thereby incurring any liability

to the affected bidder, or bidders or any obligation to inform the affected bidder of the grounds for Company's action.

**26.0 NOTIFICATION OF AWARD:**

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

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

**27.0 PERFORMANCE SECURITY:** Successful bidder has to submit Performance Security amount as mentioned in Forwarding Letter, within 02 Weeks from the date of issue of Letter of Award (LOA).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The above message/intimation shall be sent through SFMS by the BG issuing Bank branch to 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. The Bank details are as under:

| | Bank Details of Beneficiary | |
|---|---|---|
| A | Bank Name | HDFC BANK LTD |
| B | Branch Name | DULIAJAN |
| C | Branch Address | Utopia Complex, BOC Jayanagar, Duliajan, Dibrugarh 786602 |
| D | Banker Account No. | 21182320000016 |
| E | Type of Account | Current Account |
| F | IFSC Code | HDFC0002118 |
| G | MICR Code | 786240302 |
| H | SWIFT Code | HDFCINBBCAL |

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

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

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

| **FD NO.** | **Issue Date** | **Maturity Date** | **FD Amount** | **Beneficiary/ Contractor Name** | **Whether above FD is pledged in favour of 'Oil India Limited' (Yes/No)** | **FD amount pledged (in ₹) as per bank's books of accounts** | **Mode of FD Renewal (Auto Renewal/Auto closure)** | **Remarks (if any) of the issuing Bank** |
|---|---|---|---|---|---|---|---|---|
| **A** | **B** | **C** | **D** | **E** | **F** | **G** | **H** | **I** |
| | | | | | | | | |

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

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

**28.0 SIGNING OF CONTRACT:**

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

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

28.3 In the event of failure on the part of the successful Bidder to sign the contract, OIL reserves the right to terminate the LOA issued to the successful Bidder and invoke the Performance Security if submitted by the successful Bidder. The bidder will be suspended for the period of two years. This suspension of two years shall be automatic without conducting any enquiry.

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

**30.0 MOBILISATION AND ADVANCE PAYMENT:**

30.1 Request for advance payment shall not be normally considered. However, depending on the merit and at the discretion of the Company, advance against mobilisation charge may be given at an interest rate of 1% above the prevailing Bank rate (CC rate) of SBI from the date of payment of the advance till recovery/refund.

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

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

**31.0 INTEGRITY PACT:**

31.1 OIL shall be entering into an Integrity Pact with the Bidders as per format enclosed vide Part-5 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.

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

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

31.4 OIL has appointed Shri Ram Phal Pawar, IPS (Retd.), Dr. Tejendra Mohan Bhasin, Former Vigilance Commissioner, CVC and Shri Om Prakash Singh, IPS (Retd.) as Independent External Monitors (IEM) for a period of 03 (Three) years to oversee implementation of Integrity Pact in OIL. Bidders may contact the Independent External Monitors for any matter relating to the Integrity Pact at the following addresses:

a. Shri Ram Phal Pawar, IPS (Retd.)
E-mail: rpawar61@hotmail.com, ramphal.pawar@ips.gov.in

b. Dr. Tejendra Mohan Bhasin, Former Vigilance Commissioner, CVC
E-mail: tmbhasin@gmail.com

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

## 32.0 LOCAL CONDITIONS:

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

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

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

## 34.0 GOODS AND SERVICES TAX:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## BID EVALUATION CRITERIA (BEC)

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

**2.0 TECHNICAL EVALUATION CRITERIA:**

**2.1 EXPERIENCE:**

i) Bidder should have experience of successfully completing at least 01 (One) Contract for a minimum period of 01(One) year duration using RSS with MWD and LWD in any E&P company (company involved in exploration & production of Oil & Gas) in the last 07 (Seven) years reckoned from the original bid closing date.

ii) The bidder should have also successfully completed minimum 6 (Six) directional wells using RSS – MWD/LWD tools in combination in any E&P company (company involved in exploration & production of Oil & Gas) in the last 07 (Seven) years reckoned from the original bid closing date. Each well should have a minimum drift displacement of 2000 m.

iii) The bidder should have experience of providing Mud engineering services to any E&P company (companies involved in the exploration and production of crude oil and natural gas) for minimum 02 (Two) years under a single contract and additionally should have completed minimum Mud engineering service in 03 (Three) wells of minimum depth of 3000 m in the last 07 (Seven) years reckoned from the original bid closing date. In case any bidder does not have the experience of Mud engineering services on their own, they can quote based on the experience of a partner with tie up who at its own meets the experience of Mud Engineering Service, and not through any other arrangement like technical collaboration, consortium, subsidiaries, etc.

iv) The bidder should be manufacturer of bit or Supplier of Bit manufactured by its own/parent/ultimate parent/co-subsidiary/sister subsidiary (directly or via intermediate company under same parent/ultimate parent company) having experience as a supplier of PDC Bits/Rock Bits and completed at least one contract/order in the last 07 years reckoned from the original bid closing date.

**Notes to BEC Clause 2.1 above:**

**I.** Bids of those bidders who themselves do not meet the experience criteria as stipulated in Clause No. 2.1 of the tender, can also quote under the categories listed below:

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

Offers of those bidders who themselves do not meet the experience criteria as stipulated in clause no. 2.1 above can also be considered provided the bidder is a subsidiary company of the parent company [supporting company, which holds more than fifty percent of the paid-up equity share capital of the bidder] who fulfils the experience criteria. Similarly, bid from parent company can also be considered on the strength of requisite experience of its subsidiary [supporting company, in which the bidder holds more than fifty percent of the paid-up equity share capital]. However, the parent/subsidiary company (as the case may be) of the bidder should on its own meet the experience as stipulated in the BEC and should not rely for meeting the experience criteria on its sister subsidiary/co-subsidiary company or through any other arrangement like Technical Collaboration agreement.

In case of bidder who is a subsidiary company dependent upon the experience of the parent company or vice-versa with a view to ensure commitment and involvement of the parent/subsidiary company (Supporting Company) for successful execution of the contract, the participating bidder should enclose a Parent/Subsidiary Agreement (as per format enclosed as **Annexure-I**) and also a parent/subsidiary Guarantee (as per format enclosed as **Annexure-II**) to OIL for fulfilling the obligation under the Agreement, along with the technical bid.

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

Offers of those bidders who themselves do not meet the experience criteria as stipulated in Clause No. 2.1 can also be considered based on the experience of their sister-subsidiary/co-subsidiary company (supporting company) within the ultimate parent/holding company subject to meeting the following conditions:

i) Provided that the sister-subsidiary/co-subsidiary company and the bidding company are both wholly owned subsidiaries of an ultimate parent/holding company either directly or through intermediate wholly owned subsidiaries of the ultimate parent/holding company or through any other wholly owned subsidiary company within the same ultimate/holding parent company

ii) Provided that the sister subsidiary/co-subsidiary company on its own meets the experience criteria stipulated in the BEC and not through any other arrangement like Technical Collaboration agreement.

iii) Provided that with a view to ensure commitment and involvement of the ultimate parent/holding company for successful execution of the contract, the participating bidder must submit an agreement, as per format furnished vide

**Annexure-III**, between them, their ultimate parent/holding company, along with the technical bid.

Note: In case of a/b above, the supporting company shall not be allowed to submit their separate/independent bid against this tender. In such case, all such bids shall be rejected. Also, bids having technical support from the same entity shall be rejected. Further, bidders shall submit following:

i. Undertaking by the supporting company to provide a Performance Security (as per format and instructions enclosed at PROFORMA–K), equivalent to 50% of the value of the Performance Security which is to be submitted by the bidding company in case the bidding company is the successful bidder.

ii. In cases where the supporting company does not have Permanent Establishment in India, the bidding company can furnish Performance Security equivalent to 150% of the value of the Performance Security which is to be submitted by the bidding company. In such case bidding company shall furnish an undertaking that their subsidiary/parent/ sister company (i.e. the supporting company) is not having any Permanent Establishment in India in terms of Income Tax Act of India.

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

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

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

**c. BID FROM CONSORTIUM OF COMPANIES:** Bid from Consortium of Companies shall be considered complying the following requirement by the consortium:

A. Any member of the consortium shall satisfy the minimum experience requirement as per Clause No. 2.1 above.

B. Consortium bids shall be submitted with a Memorandum of Understanding (MoU) among the consortium members duly executed by the Authorized Executives of the consortium members and notarized. This MoU must accompany the bid which should clearly define 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 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 and 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. OIL may consider direct payment to individual consortium members within the same vertical, provided the consortium, so formed is complied with the terms of the Circular No. 07/2016 dated 07th March, 2016 issued by the Central Board of Direct Taxes (CBDT). Besides, for direct payment required for their part of scope of works, the same should be clearly indicated in the bid as well as MoU along with member-wise details of price break-up.

(vi) In case of consortium bids, the bid shall be signed by the leader of consortium. The power of attorney from each member authorizing 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 and should be complete in all respects clearly bringing up their experience especially in the form of work in their scope.

(viii) Constitution of Consortium: The members of the consortium should not be more than 03 (Three). If during evaluation of bid, a consortium leader proposes any alterations/changes in the constitution or replacement or inclusion or expulsion of any partner(s)/member(s) of the consortium which had originally submitted the bid, the bid of such a consortium shall be liable for rejection.

ix) 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 severely.

x) Members of the consortium are not allowed to quote separately/independently against this tender. All the bids received in such case shall be summarily rejected. Further, all bids from parties with technical support from the same Principal shall be rejected.

xi) Certified copies (attested by Director/Company Secretary) of Board resolutions passed by respective Board of Directors of the companies (Consortium leader and members) agreeing to entering into such consortium with each other for submission of bid for the NIT and authorizing designated executives of each company to sign in the MOU to be provided along with the technical bid.

xii) The MOU/Agreement should be legally valid i.e. it should be on a non-judicial stamp paper and notarized. In case of involvement of overseas bidder/consortium partner, the MOU/Agreement need not be on a non-judicial stamp paper, however it should be notarized.

**II.** Bidders quoting under the categories as mentioned under Clause nos. I (a) / I (b), above should provide the respective services including key personnel from the Subsidiary/Parent /Sister Subsidiary/Co-subsidiary (as applicable) company on whose strength they are meeting the Experience Criteria, for a minimum duration of 50% of the contract period during execution of the contract. A declaration as per ANNEXURE-IV in this respect to be submitted as part of technical bid.

**III.** For proof of requisite Experience (refer Clause No. 2.1); the following documents must be submitted along with the un-priced Techno-commercial bid:

i. Towards compliance to Clause No. 2.1 (i) above: Documentary evidence(s) in the form of relevant pages of the contract(s) executed showing detailed address(es) of client(s), scope of work along with completion certificate(s)/payment certificate(s) or any other document(s) issued/certified by the client(s) which substantiate completion of at least 01(One) Contract for a minimum period of 01 (One) year for drilling Directional Wells using RSS along with MWD/LWD towards compliance Clause No. 2.1 (i) above. The same should also be submitted as per **Annexure-A**.

ii. Towards compliance to Clause No. 2.1 (ii) above: Documentary evidence(s) in the form of relevant pages of the contract(s) executed showing detailed address(es) of client(s), scope of work and work order(s)/end of well report(s)/well completion report(s)/directional survey reports/ completion certificate(s) or any other document(s) issued/certified by the client(s) in support of the successful completion of the 06 (Six) nos. of High-Displacement Directional Wells of minimum drift displacement of 2000 m. The same should also be submitted as per **Annexure-B**.

iii. Towards compliance to Clause No. 2.1 (iii) above: Documentary evidence(s) in the form of relevant pages of the contract(s) executed showing detailed address(es) of client(s), scope of work along with completion certificate(s)/payment certificate(s) or any other document(s) issued/certified by the client(s) which substantiate the completing of at least 01(One) Contract of Mud Engineering Service for a minimum duration of 02 (Two) years. For 03(Three) wells of minimum depth of 3000 m, bidder must submit the DMR of the particular wells.

iv. Bidder can also provide self-certified documents duly signed by the authorized signatory of the bid/CEO of the firm confirming execution of required number of High Displacement directional wells with drift displacement of minimum 2000 meters, clearly indicating Contract no., well name and operator's details. However, for Mud engineering Service, the declaration has to be signed by the authorized signatories of the bid/CEO of both the partners of the bid confirming execution of Mud service in 03(Three) wells of minimum 3000m or more.

v. Towards compliance to Clause No. 2.1 (iv) above: Documentary evidence(s) in the form of Relevant pages of the contract(s)/ work order(s)/ Purchase Orders/Service Orders/LOA executed showing address(es) of client(s), scope of work in support of Supply of Drill Bits and Completion Service along with completion certificate(s)/payment certificate(s) or any other document(s) issued/certified by the client(s) which can substantiate the experience requirements.

In case of supply of bits, if the bidder is not a manufacturer on its own, the bidder must submit a back-up authority letter from the manufacturer (parent/subsidiary/co-subsidiary/sister subsidiary) to ensure support from manufacturer throughout the contract.

**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.

**IV.** In case requisite experience is against **OIL's Contract**, the bidder need not submit requisite documentary evidence but must categorically specify OIL's Contract Number and date against which they have executed the work.

**V.** Only Letter of Intent (LOI)/Letter of Award (LOA) or Work Order(s) or Job Completion Certificate are not acceptable as evidence of experience.

**VI.** Mere award of contract(s) will not be counted towards experience. Successful completion of the awarded contract(s) to the extent of volume/period, as stipulated under Clause Nos. 2.1 will only be treated as acceptable experience.

**VII.** 'Work' executed by a bidder or its tie-up partner or its supporting company for its own organization/subsidiary/ parent/co-subsidiary/sister subsidiary/ Joint Venture cannot be considered as experience for the purpose of meeting BEC.

**VIII.** Bid will be rejected if not accompanied with adequate documentary proof in support of Work experience as mentioned in Para 2.1.

**2.2** The Bidder shall confirm to provide the following:

A. Two identical package each having all the following services:

1. One set of SDMM + Rotary Steerable Systems +MWD with Directional and Gamma Ray + Jar for 17½" section along with MWD surface Unit.

2. One set of SDMM + Rotary Steerable Systems + MWD with Directional and Gamma Ray + Jar, Annulus Pressure & Temperature while drilling and Resistivity (Induction Type) tool along with MWD/LWD surface Unit for 12¼" hole section.

3. One set of SDMM + Rotary Steerable Systems + MWD with Directional and Gamma Ray + Jar/Intensifier, Annulus Pressure & Temperature while drilling, Resistivity (Induction Type) tool, Neutron-Azimuthal Density with imaging & calliper tool along with MWD/LWD surface Unit for 8½" hole section.

4. Mud Engineering Service along with centrifuge on call out basis.

B. One set (common for two identical package) comprising of SDMM + Rotary Steerable Systems + MWD with Directional and Gamma Ray + Jar/Intensifier, Annulus Pressure & Temperature while drilling, Resistivity (Induction Type) tool, Neutron-Azimuthal Density with imaging & calliper tool along with MWD/LWD surface Unit for 6" hole section. One set (common for two identical package) of FPWD for 6" hole section will be on call out basis.

C. Supply of bits as per the scope of work.

**2.3** In case the bidder does not have all the services of their own, they can have pretender tie-up only for the Mud Engineering Service & Jar. However, the bidder has to have the Directional Drilling services on their own.

In case of pre-tender tie-up, the bidder should execute a legally enforceable MOU/ Agreement with the tie-up partner which should be valid for entire duration of the contract including extension, if any. Copies of the pre - tender tie-up, MOU/Agreement for each third-party service mentioned, should be furnished along with the Technical Bid clearly referring to OIL's tender number & indicating the scope of work for technical partner of the bidder. Notwithstanding the MOU, bidder shall clearly undertake the single point responsibility of completing the project as offered by the bidder.

**2.4** Bidder must confirm mobilization as per Clause No. 2.0 of SCC of the tender.

## 3.0 FINANCIAL EVALUATION CRITERIA:

**3.1** Annual Financial Turnover from operation of the bidder during any of preceding 03 (Three) financial/accounting years reckoned from the original bid closing date should be at least Rs. 58.87 Crore or USD 7.02 million.

**3.2** Net worth of the bidder must be Positive for the financial/accounting year preceding the original bid closing date.

**3.3** In case of bid from Consortium of Companies as per 'Notes to Clause 2.1 I. c.', any one of the consortium members shall have an annual financial turnover from operation of minimum **Rs. 58.87 Crore or USD 7.02 million** and other members of the consortium shall have an annual financial turnover from operation of minimum **Rs. 29.435 Crore or USD 3.51 million**, during any of the preceding 03 (Three) financial/accounting years reckoned from the original bid closing date. Net worth of all the members must be Positive for the financial/accounting year preceding the original bid closing date.

All the consortium members shall meet the financial criteria as indicated above on their own and shall not rely on the strength of their parent/ultimate parent/holding company to meet the financial criteria. Otherwise their bid shall be categorically rejected.

Note:

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

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

**3.3** In case the bidder is a subsidiary 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 documents need to be submitted along with the technical bid in support of the following:

**(i)** Annual Turnover from operation of last three accounting years of the parent/ultimate parent/holding company (supporting company) shall be as per Clause 3.1 above.

**(ii)** Net worth of the parent/ultimate parent/holding company (supporting company) shall be positive for the accounting year preceding the original bid closing date as per Clause 3.2 above.

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

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

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

**Notes to BEC Clause 3.0 above:**

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

(i) Audited Balance Sheet along with Profit & Loss account.

OR

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

Note :

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

ii. In case the Audited Balance sheet and Profit Loss Account submitted along with the bid are in currencies other than INR/USD, the bidder shall have to convert the figures in equivalent INR/USD 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/USD. Else, the Audited Balance Sheet and Profit & Loss Account shall be evaluated by considering the BC selling rate declared by State Bank of India (on the date on which the Audited Balance Sheet and Profit & Loss Account is signed) for conversion to INR.

**b.** Considering the time required for preparation of Financial Statements, if the last date of preceding financial/accounting year falls within the preceding six months reckoned from the original bid closing date/within the due date for furnishing of audit report as per Section 139(1) of IT Act, 1961 (read along with latest circulars/notifications issued by CBDT from time to time) and the

Financial Statements of the preceding financial/accounting year are not available with the bidder, then the financial turnover of the previous three financial /accounting years excluding the preceding financial/accounting year will be considered. In such cases, the Net worth of the previous financial/accounting year excluding the preceding financial/accounting year will be considered. However, the bidder has to submit an undertaking in support of the same along with their technical bid as per **Proforma-X**.

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

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

**e.** Bid will be rejected if not accompanied with adequate documentary proof in support of Annual turnover and Net worth as mentioned above in Para 3.1 & 3.2.

## 4.0 COMMERCIAL EVALUATION CRITERIA:

**4.1** The bids are to be submitted under single stage Two Bid System i.e. Un-priced Techno-Commercial Bid and Price Bid separately in their respective fields in E-portal. The unpriced Techno-commercial Bid is to be uploaded in "Technical RFx Response" Tab and Priced Bid is to be uploaded in the "Notes & Attachments" Tab. Only the Priced Bid uploaded in the "Notes & Attachments" Tab should contain the quoted price. Bids shall be rejected outright if the price(s) is/are indicated in the technical bids. Bids not conforming to this two bid system shall be rejected outright.

**4.2** The price quoted by the successful bidder must remain firm during the performance of the contract and not subject to variation on any account except as mentioned in the bid document. Any bid submitted with adjustable price quotation other than the above will be treated as non-responsive and rejected.

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

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

**4.5** Bids received through the e-procurement portal shall only be accepted. Any bid received in any other form will not be accepted.

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

**4.7** Bid documents shall contain no interlineations, white fluid, erasures or overwriting except as necessary to correct errors made by bidder, in which case such corrections shall be initialed by the person or persons who has/have digitally signed the Bid.

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

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

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

**(i)** Firm price
**(ii)** Bid Security/EMD
**(iii)** Period of validity of Bid
**(iv)** Price Schedule
**(v)** Performance Bank Guarantee / Security deposit
**(vi)** Mobilization Schedule
**(vii)** Scope of work
**(viii)** Guarantee of material / work
**(ix)** Liquidated Damages clause
**(x)** Tax liabilities
**(xi)** Arbitration / Resolution of Dispute Clause
**(xii)** Force Majeure
**(xiii)** Applicable Laws
**(xiv)** Specifications
**(xv)** Integrity Pact

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

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

**4.13** The Integrity Pact is applicable against this tender. OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide "**Part-5/Integrity Pact**" of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be returned by the bidder (along with the Un-priced Techno-Commercial Bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid. If any bidder refuses to sign Integrity Pact or declines to submit the Integrity Pact, their bid will be rejected.

**4.14** Bidders should not be under liquidation/bankruptcy/undergoing any insolvency resolution process as on Bid Closing date. Further neither the Bidders nor any of any of its allied concerns/ partners or associates or directors or proprietors involved in any capacity should be under Holiday List/Banning List/Suspension List of OIL as on Bid Closing date. Bidders shall submit undertaking towards compliance of above as per the prescribed formats (Appendix-1 & Appendix-2) along with the bid. If any bidder declines to submit the above undertakings, their bids shall be liable for rejection.

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

## 5.0 PRICE EVALUATION CRITERIA:

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

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

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

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

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

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

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

**5.7** The inter-se-ranking of the techno-commercially qualified bidders will be determined on overall lowest cost basis (L-1 offer) i.e. considering the **Total quoted price inclusive of all liabilities including quoted GST (CGST & SGST/UTGST or IGST).**

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

**5.9** Price Evaluation of the qualified bids will be done on the basis of rates quoted by the bidder as per PROFORMA-B.

**5.11** To ascertain the inter-se-ranking, the comparison of the responsive bids will be made subject to loading for any deviation. Commercial Bids shall be evaluated taking into account the rates quoted in the **PRICE BID FORMAT** as per **Proforma-B**.

**Total Estimated Contract Cost for 4 (four) years** including all Taxes & Duties including quoted GST:

**T = T1 + T2 + T3 + T4 + T5 + T6 + quoted GST**

Where,

**T1**: Total Cost for IDS Coordinator, RSS-SDMM-MWD-LWD Services with Equipment & Personnel for IDS-3 (17 ½", 12¼", 8½" & 6" Hole Sections)

**T2**: Total Cost of Mud Engineering Services with Equipment & Personnel under IDS-3

**T3**: Total Cost of Mud Engineering Chemicals as per PROFORMA-B1 (Imported) and B1(Indigenous)

**T4**: Total Cost for supply of Bits as per PROFORMA-B2 under IDS-3

**T5**: Total Cost for supply of Hi-tech Bits as per PROFORMA-B3 under IDS-3

**T6**: Total Cost for supply of Bit consignment as bit basket as per PROFORMA-B4 under IDS-3.

**5.12** 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.

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

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

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

**5.15 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 @12% (BCD Nil & IGST @12%) subject to conditions specified therein (Condition No. 48). However, Condition No. 48 along with List-33 of the said notification has been amended vide Customs Notification No. 02/2022-Customs dated 01.02.2022.

Similarly, the domestic supply of such goods would attract 12% GST (i.e. IGST or CGST & SGST/UTSGT) on submission of EC in terms of GST Notification No. 03/2017.

Bidders shall take note of the prevailing customs notifications including the latest amendment vide gazette Notification No. 02/2022-Customs dated 01.02.2022 while quoting their prices. Bidder should consider concessional Customs Duty only for those items appearing in List-33 therein. Items of their import other than those appearing in List-33 of the said gazette notification shall be considered as duty payable on merit basis in their respective bid. OIL shall issue the requisite undertaking/certificate on request from Contractor for availing concessional rate of customs duty only against the items explicitly covered under List-33 of Customs Notification No. 02/2022-Customs dated 01.02.2022 or against any other item(s) subsequently declared by the competent authority during the tenure of the contract to be duty

exempted/concessional. However, in the event of refusal/denial by Customs Authority to accord exemption/concession of Customs Duty against import of items which are explicitly covered under List-33 of Notification No. 02/2022-Customs dated 01.02.2022, such applicable customs duty shall be reimbursed at actual by OIL to the Contractor on submission of documentary evidence.

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

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

Note: The above stipulations shall prevail over other clauses if stipulated otherwise elsewhere in the original tender document/previous amendments. However, the aforementioned notifications are subject to change as per Government guidelines and the provisions ruling at the time of Bid Closing will be applicable.

## 6.0 GENERAL:

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

**6.2** To ascertain the substantial responsiveness of the bid the Company reserves the right to ask the bidder for clarification in respect of clauses covered under BEC/BRC also and such clarifications fulfilling the BEC/BRC clauses in toto must be received on or before the deadline given by the company, failing which

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

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

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

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

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

## 7.0 PURCHASE PREFERENCE CLAUSE:

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

**Note:** Provisions such as seeking support from another company by way Parent/Subsidiary/Company's experience etc., wherever allowed in the tender document shall be available to all interested bidders including MSEs. In those scenarios, MSEs quoting on the strength of Parent/Subsidiary/ (whichever applicable) will be eligible for the benefits (Purchase Preference and EMD Exemption) reserved for MSEs provided the supporting company for technical and financial strength is/are also MSE(s). In case of Consortium arrangements, all the members including the leader of the consortium shall be MSEs for availing the benefits (Purchase Preference and EMD Exemption) reserved for MSE.

**Documentation required to be submitted by MSEs:** Categorization and various criteria applicable to MSE bidders shall be guided by the Gazette Notification No. **CG-DL-E-26062020-220191 dated 26.06.2020** and Amendment vide Gazette Notification no. CG-**DL-E-16062021-227649 dated 16.06.2021** and **No. CG-DL-E-19012022-232763 dated 19.01.2022** and **CG-DL-E-06052022-235600 dated 06.05.2022** issued by MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES, and any amendment thereof.

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

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

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

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

Note:

a. Services under this tender is not splitable.

b. The 'Total Price' shall be matched with that of the L1 bidder by reducing the differential rates proportionately or otherwise against the line items where their rates/prices are higher than that of the L1 bidder.

**8.0** **THIRD PARTY INSPECTION:**

**8.1** Oil India Limited (OIL) has engaged the following 17 (Seventeen) Independent Inspection Agencies to verify and certify various documents required against BEC/BRC of the tender:

| Sl. No. | Name of Independent Inspection Agency | Contact E-Mail ID |
|---|---|---|
| 1. | M/s. Dr. Amin Controllers Private Limited | rkjain@rcaindia.net; pradeep.mathur@rcaindia.net info@rcaindia.net |
| 2. | M/s. TUV India Private Limited | noida@tuv-nord.com; mumbai@tuv-nord.com salim@tuv-nord.com |
| 3. | M/s. Conformity India International Private Limited | mktg@ciindia.in |
| 4. | M/s. Ravi Energie Private Limited | baroda@ravienergie.com tpia@ravienergie.com |
| 5. | M/s. SGS India Private Limited | dhaval.vora@sgs.com sgs.india@sgs.com |

| | | |
|---|---|---|
| 6. | M/s. Assure Quality Management Certification Services Private Limited | aqmcs@aqmcs.com |
| 7. | M/s. IRCLASS Systems and Solutions Private Limited | industrial_services@irclass.org<br>Bhavesh.satam@irclass.org |
| 8. | M/s. TUV Rheinland (India) Pvt. Ltd. | Shailesh.deotale@ind.tuv.com<br>Kaushal.gohil@ind.tuv.com<br>info@ind.tuv.com<br>ravi.kumar@ind.tuv.com |
| 9. | M/s. Gulf Lloyd Industrial Services(I) Pvt. Ltd. | contact@gulflloyds.com<br>inspection@gulflloyds.com |
| 10. | M/s. Baltic Testing India Pvt Ltd. | office@balticcontrolindia.com |
| 11. | M/s. Sanmarg Engineering Validation & Assessment Pvt. Ltd. | Amrita@sanmargeva.com |
| 12. | M/s. Meenar Global Consultants LLP | sales@mgcllp.in |
| 13. | M/s. Rites Limited | nrinspn@rites.com<br>info@rites.com<br>sbu.ninsp@rites.com |
| 14. | M/s. Bureau Veritas (India) Private Limited | bvindia.corporate@bureauveritas.com |
| 15. | M/s. TUV SUD South Asia Private Limited | Hemant.chavan@tuvsud.com<br>Jayashree.rane@tuvsud.com |
| 16. | M/s. Adornment Engineers India Private Limited | jks@adornmentengineers.com |
| 17 | M/s. TCRC Inspections Pvt. Ltd. | admin@tcrcinspections.com<br>ashismallick@tcrcgroup.com<br>tenders@tcrcgroup.com |

**8.2** The Bidders have to get verified and certified the various documents required against BEC/BRC of the tender by any one of the above Independent Inspection Agencies and submit the duly certified Inspection Certificate as per **Proforma XIII** by the Inspection Agencies along with the Technical Bid of the Tender. All Charges of the Third-Party Independent Inspection Agencies towards verification of bidder's documents and certification thereof shall be borne by the respective bidders and payments on account of above inspection, verification and certification shall be made directly by the Bidder to the Inspection Agency(s). OIL will not be responsible for any payment dispute between Bidders and Third-Party Inspection Agencies.

**8.3** As mentioned above, Bidder(s) have to submit the verified documents along with the Technical Bids. Bid submitted with un-verified supporting documents shall not be considered. However, in case a bidder submits its bid alongwith all relevant supporting documents as per BEC/BRC without getting all/some of them verified by

the designated Independent Inspection agency, such bid can be provisionally considered provided it is accompanied by an Undertaking by the Bidder on their official letterhead to submit the duly verified copies/verification certificate within 07 (Seven) days of bid opening. Company will neither send any reminder nor seek any clarification in this regard from such bidders, and the bid will be rejected outright if the bidder fails to submit the verified copies/verification certificate within 07 (Seven) days of bid opening at its own risk and responsibility.

**8.4** The methodology of inspection/verification of documents is broadly as under but not limited to:

(a) It is obligatory on the part of the interested Bidders, who choose to participate against the tender, to understand the tender requirements in entirety and the requisite documents sought for in support of the Bid Evaluation Criteria/Bid Rejection Criteria (BEC/BRC) mentioned in the tender in particular. The Bidder must produce all the appropriate documents before any of the OIL's empaneled third-party certifying agencies for verification/certification. Neither OIL nor the third-party certifying agency shall be held accountable in any manner regarding the choice of documents by the bidder for verification. Therefore, getting the appropriate documents inspected/verified by the agency in support of BEC/BRC clauses is the sole responsibility of the Bidder.

(b) The prospective bidder shall contact any of the empaneled inspection agencies. The agency shall go through the Tender Document, especially the requirements of BEC/BRC and list the documents to be verified. They shall depute their qualified/competent inspector to the Bidder's premises to check the original documents and certify the copies which the bidder shall submit along with their bids. OIL will reserve the right to ask the inspection agencies to verify the documents with source, if required at no extra cost to OIL. Verification of documents by OIL's empaneled third party agency shall not automatically make the bidder eligible for award of contract.

(c) Verification of documents (but not limited to) are normally categorized as under:

- **General Requirement (as applicable):**
- Check Bidder's PAN Card
- Check Bidder's GST Certificate
- Check ITR of company
- Check Bidder's Certificate of Incorporation – Domestic Bidder.
- **Additional Documents : (If applicable against the tender)**
- Joint Ventures Agreements – To cross-check with JV Partners
- Consortium Agreements – To cross-check with Consortium Partners
- Holding/Parent/Subsidiary/Sister Subsidiary/Co-Subsidiary Company – To check the Share Holding pattern.
- **Technical Criteria**
- To check Experience Proof- Completion Certificates, Reference contact verification, Original Work Order/Contract Copy and any other document(s), if called for vide BEC/BRC of the Tender.
- **Financial Criteria**

- Check and verify Audited Balance Sheet/CA certificate.
- To check the Line of Credit, if incorporated in the tender.

**Note: If any documents LOI/LOA/Contracts, etc. are submitted towards BEC/BRC experience criteria issued by Oil India Limited, such documents need not be verified by TPI agency. Further TPI Verification and certification is not required for financial documents having Unique Document Identification Number (UDIN). Self-Undertaking furnished by the bidder in support of their bid may not be TPI verified.**

## 9.0 DOCUMENT AUTHENTICITY UNDERTAKING:

Bidders should note that Company (OIL) may verify authenticity of all the documents /certificates / information submitted by the bidder(s) against the tender. In case at any stage of tendering process or Contract execution etc., if it is established that bidder has submitted forged documents / certificates / information towards fulfilment of any of the tender / contract conditions, Company shall immediately reject the bid of such bidder(s) or cancel / terminate the contract besides taking action as per OIL's Banning Policy dated 6th January 2017 revised on 17.03.2023, available in the OIL's website. Accordingly, service provider/vendor to submit the Undertaking of authenticity of information/documents submitted as per Proforma-IX.

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

**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 the provisions of the Act shall attract penal action under the Act.

## GENERAL CONDITIONS OF CONTRACT (GCC)

### 1.0 APPLICABILITY, DEFINITION & INTERPRETATION:

#### 1.1 Applicability

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

#### 1.2 Definition & Interpretation

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

**1.2.1 COMPANY/OIL/Operator:**

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

**1.2.2 CONTRACTOR**:

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

**1.2.3 Contract**:

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

**1.2.4 Site:**

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

**1.2.5 COMPANY's Site Representative/Engineer**:

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

**1.2.6 Sub-Contract**:

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

**1.2.7 Sub-Contractor**:

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

**1.2.8 Contractor's Representative**:

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

**1.2.9 Contract Price/Value***:*

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

**1.2.10 Firm price**:

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

**1.2.11 Service/Works/Operations**:

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

**1.2.12 Equipment/Materials/Goods** :

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

**1.2.13 Drawings**:

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

**1.2.14 Specifications**:

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

**1.2.15 Engineer In-charge (EIC):**

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

**1.2.16 Inspectors**:

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

**1.2.17 Tests**:

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

**1.2.18 Approval**:

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

**1.2.19 Day**:

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

**1.2.20 Month**:

Shall mean a calendar month as per Gregorian calendar.

**1.2.21 Year**:

Shall mean calendar year as per Gregorian calendar.

**1.2.22 Working day:**

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

**1.2.23 Bid/offer**:

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

**1.2.24 Guarantee**:

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

**1.2.25 Mobilization**:

Shall mean rendering the equipment fully manned and equipped as per

CONTRACT and ready to begin work at site designated by the COMPANY and accepted by the COMPANY after inspection.

**1.2.26 De-mobilization**:

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

**1.2.27 Willful Misconduct**:

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

**1.2.28 Gross Negligence**:

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

**1.2.29 Criminal Negligence:**

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

**1.2.30 GST Legislations**:

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

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

**2.0 CONTRACT DOCUMENT**:

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

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

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

**3.0** **WAIVERS AND AMENDMENTS**:

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

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

**4.0** **CONTRACT TIMELINE**:

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

**4.2** **Date of Commencement of Operation:**

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

**4.3** **Duration of the contract:**

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

**5.0** **SCOPE OF WORK/CONTRACT**:

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

**6.0** **GENERAL OBLIGATION OF CONTRACTOR**:

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

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

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

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

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

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

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

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

## 7.0 GENERAL OBLIGATION OF COMPANY:

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

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

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

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

## 8.0 DUTIES AND POWER /AUTHORITY:

### 8.1 OIL's site representative/engineer:

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

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

ii. Proper and optimum utilization of equipment and services.

iii. Monitoring of performance and progress

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

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

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

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

**8.2 CONTRACTOR's representative:**

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

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

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

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

**9.0 Personnel to be deployed by contractor**:

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

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

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

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

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

**10.0 PERFORMANCE SECURITY**:

**10.1** On receipt of notification of award from the COMPANY, the CONTRACTOR shall furnish the Performance Security to COMPANY within 15 (fifteen) days from the date of issue of LOA for an amount specified in the Forwarding Letter and Letter of Award (LOA) as per Proforma-Form and must be in the form of a Bank Draft/ Cashier's cheque/Banker's cheque*/NEFT/RTGS/Electronic fund transfer to designated account of OIL# or Fixed Deposit Receipt (account OIL INDIA LIMITED) or irrevocable Bank Guarantee or irrevocable Letter of Credit (LC) from:

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

OR

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

OR

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

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

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

Full address
Branch Code
Code Nos. of the authorized signatory with full name and designation.
Phone Nos.
Fax Nos.
E-mail address.

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

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

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

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

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

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

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

# Subject to credit in OIL's account within prescribed time

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

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

## 11.0 SIGNING OF CONTRACT:

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

## 12.0 CLAIMS, TAXES & DUTIES:

**12.1** **Claims:** CONTRACTOR agrees to pay all claims, taxes and fees for equipment, labour, materials, services and supplies to be furnished by it hereunder and agrees

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

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

**12.3** **Taxes:**

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

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

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

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

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

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

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

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

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

**12.3.10**The tax invoices as per above provisions should contain all the particulars as required under the invoicing rules under the GST legislations, including, but not limited to the following:

i. Name, Address and the GST Registration Number (under the relevant Tax Rules) of the Service Provider (CONTRACTOR)

ii. Name and Address and GST Registration Number of the Service Receiver (Address of OIL)

iii. Description, Classification and Value of taxable service/goods and the amount of applicable tax (CGST, SGST, IGST, UTGST and cess)

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

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

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

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

**12.4 Goods and Services Tax**:

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

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

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

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

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

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

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

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

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

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

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

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

**12.5 Anti-profiteering clause**

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

**12.5.2** In case rating of Contractor is negative/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/Contractor and shall also be entitled to deduct/recover such GST along with all penalties/interest, if any, incurred by OIL.

**13.0 CUSTOMS DUTY, IF APPLICABLE:**

**13.1.1** CONTRACTOR shall be responsible to import the equipment/tools/spares/ consumables etc. required for execution of the contract. The CONTRACTOR shall undertake to complete all the formalities as required under the Customs Act/Foreign Trade Policy (FTP) and indemnify OIL from all the liabilities of Customs in this regard.

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

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

**14.0 INSURANCE:**

**14.1** CONTRACTOR shall at his own expense arrange secure and maintain insurance with reputed insurance companies to the satisfaction of the Company as follows:

Contractor at his cost shall arrange, secure and maintain insurance as may be necessary and to its full value for all such amounts to protect the works in progress from time to time and the interest of Company against all risks as detailed herein. The form and the limit of such insurance, as defined here in together with the under works thereof in each case should be as acceptable to the Company. However, irrespective of work acceptance the responsibility to maintain adequate insurance coverage at all times during the period of Contract shall be that of Contractor alone. Contractor's failure in this regard shall not relieve him of any of his responsibilities & obligations under Contract. All costs on account of insurance liabilities covered under Contract will be to Contractor's account and will be included in Value of Contract. However, the Company may from time to time, during the currency of the Contract, ask the Contractor in writing to limit the insurance coverage risk and in such a case, the parties to the Contract will agree for a mutual settlement, for reduction in value of Contract to the extent of reduced premium amounts. Contractor shall cover insurance with Indian Insurance Companies.

**14.2** Any deductible set forth in any of the above insurance shall be borne by Contractor.

**14.3** 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.

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

**14.5 Certificate of Insurance:**

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

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

**14.6** Contractor shall also inform the Company at least 60 days in advance regarding the expiry cancellation and/or changes in any of such documents & ensure revalidation/renewal, etc., as may be necessary well in time.

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

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

CONTRACTOR shall, at his own expense, arrange appropriate comprehensive insurance to cover all risks assumed by the CONTRACTOR under this CONTRACT in respect of CONTRACTOR's equipment, tools and any other belongings of the CONTRACTOR and its personnel as well deputed under this CONTRACT during the entire period of their engagement in connection with this CONTRACT including extensions if any. The CONTRACTOR shall also carry adequate insurance cover against damage/loss to third party person/property. OIL will have no liability on this account.

**14.9 Principal Assured:**

The following are to be included as Principal Assured(s) in the Insurance Policies (except in case of Workmen's Compensation/Employer's Liability insurance):

"Oil India Limited, and CONTRACTOR's name (as appearing in the Contract/LOA)"

**14.10 Waiver of subrogation:**

All insurance policies of the CONTRACTOR with respect to the operations conducted hereunder as set forth in clauses hereof, shall be endorsed by the underwriter in accordance with the following policy wording:

"The insurers hereby waive their rights of subrogation against Oil India Limited or any of their employees or their affiliates and assignees".

**14.11 Deductible:**

The CONTRACTOR shall take policy with minimum deductible as per IRDA

prescribed for the policy(ies). That portion of any loss not covered by insurance provided for in this article solely by reason of deductible provision in such insurance policies shall be to the account of the CONTRACTOR.

**14.12 Compliance with Sec 25(1), of "The General Insurance Business (Nationalization) Act 1972"**

Section 25(1) of "The General Insurance Business (Nationalization) Act 1972" is reproduced below:

"No person shall take out or renew any policy of insurance in respect of any property in India or any ship or other vessel or aircraft registered in India with an insurer whose principal place of business is outside India save with the prior permission of the Central Government".

The above requirement of aforesaid Act needs to be complied with by the CONTRACTOR wherever the aforesaid provisions of Act apply, and compliance confirmations submitted.

**14.13 Loss Payee Clause:**

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

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

**14.14 On account payment to OIL in case of claim**

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

**14.15** CONTRACTOR shall require all of its SUB-CONTRACTORs to provide such of the foregoing insurance cover as the CONTRACTOR is obligated to provide under this CONTRACT.

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

i) **Workman Compensation and/ Employers' Liability Insurance**: Workmen's compensation and employer's liability insurance as required by the laws of the country of origin of the employee.

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

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

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

v) **Public Liability Act Policy:** Public Liability Act Policy covering the statutory liability arising out of accidents occurring during the currency of the contract due to handling hazardous substances as provided in the Public Liability Insurance Act 1991 and the Rules framed there under.

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

vii) CONTRACTOR's equipment used for execution of the work hereunder shall have an insurance cover with a suitable limit (as per international standards).

**viii) Any other insurance policy set forth in the SCC**

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

**15.0 LIABILITY**:

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

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

**15.3** The CONTRACTOR hereby agrees to waive its right of recourse and further agrees to cause its underwriters to waive their right of subrogation against COMPANY and/or its underwriters, servants, agents, nominees, assignees, CONTRACTORs and sub- CONTRACTORs for loss or damage to the equipment of the CONTRACTOR and/or its sub-CONTRACTORs and/or their employees when such

loss or damage or liabilities arises out of or in connection with the performance of the contract limited to the CONTRACTOR's liabilities agreed to under this Contract.

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

**15.5** Except as otherwise expressly provided herein, neither CONTRACTOR nor its servants, agents, nominees, CONTRACTORs or sub- CONTRACTORs shall have any liability or responsibility whatsoever to whomsoever for loss of or damage to the equipment and/or loss or damage to the property of the COMPANY and/or their CONTRACTORs or sub-CONTRACTORs, irrespective of how such loss or damage is caused and even if caused by the negligence of CONTRACTOR and/or its servants, agents, nominees, assignees, CONTRACTORs and sub-CONTRACTORs. The COMPANY shall protect, defend, indemnify and hold harmless CONTRACTOR from and against such loss or damage and any suit, claim or expense resulting there from.

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

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

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

**16.0 LIMITATION OF LIABILITY**:

a) Notwithstanding any other provisions herein to the contrary, except only in cases of Wilful misconduct and/or criminal acts and/or criminal negligence, neither the

CONTRACTOR nor the COMPANY (OIL) shall be liable to the other, whether in Contract, tort, or otherwise, for any consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided however that this exclusion shall not apply to any obligation of the CONTRACTOR to pay Liquidated Damages to the COMPANY and/or COMPANY's right to forfeit the Performance Bank Guarantee(s) in terms of the contract.

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

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

**17.0 LIABILITY OF UNION GOVERNMENT OF INDIA**:

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

**18.0 CONSEQUENTIAL DAMAGE**:

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

**19.0 RISK PURCHASE:**

In the event, CONTRACTOR's failure to provide the services as per the Contractual scope, terms and conditions, COMPANY (OIL) reserves the right to hire the services from any other source at the CONTRACTOR's risk & cost and the difference in cost

shall be borne by the CONTRACTOR. Further, OIL shall retain the right of forfeiture of Performance Bank Guarantee and any other action as deemed fit. In certain operational situations OIL reserves the right to take over the site including the service equipment at the risk and cost of the CONTRACTOR.

**20.0 INDEMNITY AGREEMENT**:

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

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

**21.0 INDEMNITY APPLICATION**:

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

**22.0 ROYALTY PATENTS**:

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

**23.0 WARRANTY AND REMEDY OF DEFECTS**:

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

**23.2** Should COMPANY discover at any time during the tenure of the Contract or till the Unit/equipment/tools are demobilised from site or base camp (if applicable) that the work does not conform to the foregoing warranty, CONTRACTOR shall after receipt of notice from COMPANY, promptly perform any and all corrective work required to make the services conform to the Warranty. Such corrective Work shall be performed entirely at CONTRACTOR's own expenses. If such corrective Work is not performed within a reasonable time, the COMPANY, at its option may have such remedial Work performed by others and charge the cost thereof to CONTRACTOR subject to a maximum of the contract value payable for the defective work which needs corrective action which the CONTRACTOR must pay promptly. In case CONTRACTOR fails to perform remedial work, or pay promptly in respect thereof, the performance security shall be forfeited.

**24.0 SUBCONTRACTING/ASSIGNMENT**:

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

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

**25.0 RECORDS, REPORTS AND INSPECTION**:

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

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

**26.1** CONTRACTOR shall not, without COMPANY's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing pattern, sample or information furnished by or on behalf of COMPANY in connection therewith, to any person other than a person employed by CONTRACTOR in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only, as may be necessary for purposes of such performance with prior permission from COMPANY. However, nothing hereinabove contained shall deprive the CONTRACTOR of the right to use or disclose any information which is:

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

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

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

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

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

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

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

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

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

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

v) CONTRACTOR is required to produce before competent authorities or by court

order subject to prior permission from COMPANY;

**27.0 REMUNERATION AND TERMS OF PAYMENT**:

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

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

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

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

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

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

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

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

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

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

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

a) Audited account up to completion of the Contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## 30.0 TIMELY MOBILIZATION AND LIQUIDATED DAMAGES:

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

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

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

of actual loss or damage caused by such delay.

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

## 31.0 FORCE MAJEURE:

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

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

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

Either party shall have the right to terminate the Contract if such `force majeure' conditions continue beyond successive 60 (Sixty) days [or exclusively mentioned in the SCC of the Contract] with prior written notice of 15 days, provided termination of the Contract does not result into safety hazard to the life and property on account of withdrawal of operations or the operation is at critical stage. COMPANY shall have the absolute right to decide whether any safety hazard exists or operation is at critical position and decision of the COMPANY shall binding upon the CONTRACTOR.

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

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

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

affected by such conditions.

**32.0 SET-OFF**:

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

**33.0 WITHHOLDING**:

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

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

**33.2** Defective work not remedied by CONTRACTOR.

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

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

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

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

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

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

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

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

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

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

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

**34.0 APPLICABLE LAWS**:

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

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

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

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

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

**35.0 LABOUR LAWS**:

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

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

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

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

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

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

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

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

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

x) Engineer in Charge shall on a report having been made by an inspecting officer as defined in Contract Labour (Regulation and Abolition) Act 1970 have the power to deduct from the money due to the CONTRACTOR any sum required or estimated

to be required for making good the loss suffered by a worker or workers by reason of non-fulfillment of the conditions of the Contract for the benefit of workers, non-payment of wages or of deductions made from his or their wages which are not justified by the terms of the Contract or non-observance of the said regulations.

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

**36.0 STATUTORY REQUIREMENTS**:

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

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

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

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

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

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

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

**38.0 POLLUTION AND CONTAMINATION**:

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

Notwithstanding anything to the contrary contained herein, it is agreed that except on the ground of willful misconduct or criminal misconduct, COMPANY shall release, indemnify and hold CONTRACTOR and its sub-CONTRACTORs harmless

from any and all claims, judgments, losses, expenses and any costs related thereto (including but not limited to Court costs and "Attorney's fees") for:

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

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

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

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

## 39.0 STATUTORY VARIATION/ NEWLY ENACTED LAW:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## 40.0 SEVERABILITY:

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

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

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

## 42.0 SETTLEMENT OF DISPUTES:

### 42.1 Arbitration (Applicable for Suppliers/CONTRACTORs other than PSU and MSME):

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

2) 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.

3) It is agreed and undertaken by the Parties that irrespective of country of origin of the CONTRACTOR, the arbitration proceedings shall be governed by the Arbitration and Conciliation Act, 1996 and under no circumstances, the proceedings shall be construed as International Arbitration.

4) 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.25.00 Lakh | Not applicable | Not applicable |
| Above Rs.25.00 Lakh Upto Rs.25 Crore | Sole Arbitrator | OIL |
| Above Rs. 25 Crore | 3 Arbitrators | One Arbitrator by each party and the 3rd Arbitrator, who shall be the presiding Arbitrator, by the two Arbitrators. |

5) The parties agree that they shall appoint only those persons as arbitrators who accept the conditions of the arbitration clause. No person shall be appointed as Arbitrator or Presiding Arbitrator who does not accept the conditions of the arbitration clause.

6) If any of the Arbitrators so appointed dies, resigns, becomes incapacitated or withdraws for any reason from the proceedings, it shall be lawful for the concerned party/arbitrators to appoint another person in his place in the same manner as aforesaid. Such person shall proceed with the reference from the stage where his predecessor had left if both parties consent for the same; otherwise, he shall proceed de novo.

7) Parties agree and undertake that neither shall be entitled for any pre- reference or pendente-lite interest on its claims. Parties agree that any claim for such interest made by any party shall be void.

8) The arbitral tribunal shall complete the proceedings, make and publish the award within time stipulated in the Arbitration and Conciliation Act, 1996(as amended)

9) If after commencement of the arbitration proceedings, the parties agree to settle the dispute mutually or refer the dispute to conciliation, the arbitrators shall put the proceedings in abeyance until such period as requested by the parties. Where the proceedings are put in abeyance or terminated on account of mutual settlement of dispute by the parties, the fees payable to the arbitrators shall be determined as under:

(a) 20% of the fees if the claimant has not submitted statement of claim.

(b) 40% of the fees if the pleadings are complete

(c) 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.

10) Each party shall be responsible to make arrangements for the travel and stay etc. of the arbitrator appointed by it. Claimant shall also be responsible for making arrangements for travel/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.

11) The fees and other administrative/secretarial expenses of the arbitrator(s) shall not exceed the model fee as stipulated in Schedule of the Act and such expenses shall be equally borne by the parties.

12) The Place/Seat 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.

13) The Arbitrator(s) shall give reasoned and speaking award and it shall be final and binding on the parties.

14) 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.

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

a) In the event of any dispute or difference relating to the interpretation and application of the provisions of commercial contract (s) between Central Public Sector Enterprises (CPSEs) and also between CPSEs and Government Departments/Organizations (excluding disputes -concerning Railways, Income Tax, Customs & Excise Departments), such dispute or difference shall be taken up by either party for resolution through AMRCD as mentioned in OPE OM No. 4(1)/2013-DPE(GM)/FTS-1835 dated 22-05-2018.

b) A party wishing to commence arbitration proceeding shall invoke Arbitration Clause

and refer the dispute(s) to AMRCD with a copy to the other party. The notice invoking arbitration shall specify all the points of dispute with details of the amount claimed to be referred to arbitration at the time of invocation of arbitration and not thereafter

c) Upon such reference, the dispute shall be decided by the Competent Authority appointed under the AMRCD, whose decision shall bind the parties finally and conclusively. The parties in the dispute will share equally the cost of the arbitration as intimated by the Arbitrator.

**42.3 Arbitration (Applicable to Micro, Small and Medium Enterprise)**

In the event of any dispute or difference relating to, arising from or connected with the Contract, efforts shall be made to resolve the dispute(s) amicably by mutual consultation and in case such dispute(s) cannot be resolved through mutual consultation, then same shall be resolved through the procedure as prescribed in Section-18 of the Micro, Small and Medium Enterprises Development Act, 2006.

**42.4 Resolution of disputes through conciliation by OEC**

(Not Applicable in cases where value of dispute is less than Rs. 25 Lakhs and more than 2 Crore)

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, Company at its discretion, on its own or on the request of the CONTRACTOR, may refer the dispute to Outside Expert Committee ("OEC") to be constituted by Corporate Business Committee (CBC), OIL as provided hereunder:

a) The party desirous of resorting to conciliation shall send a notice of 30 (thirty) days to the other party of its intention of referring the dispute for resolution through OEC. The notice invoking conciliation shall specify all the points of disputes with details of the amount claimed to be referred to OEC and the party concerned shall not raise any new issue thereafter.

b) OIL shall nominate three outside experts, one each from Financial/commercial, Technical and Legal fields from the Panel of Outside Experts maintained by OIL who shall together be referred to as OEC (Outside Experts Committee).

c) Parties shall not claim any interest on claims/counterclaims from the date of notice invoking conciliation till execution of settlement agreement, if so arrived at. In case, parties are unable to reach a settlement, no interest shall be claimed by either party for the period from the date of notice invoking conciliation till the date of OEC recommendations in any further proceeding.

d) The Proceedings of the OEC shall be broadly governed by Part III of the Arbitration and Conciliation Act, 1996 including any modifications thereof. Notwithstanding above, the proceedings shall be summary in nature and Parties agree to rely only upon documentary evidence in support of their claims and not to bring any oral evidence in the OEC proceedings.

e) OEC shall hear both the parties and recommend possible terms of settlement between the parties. The recommendations of OEC shall be non-binding and the parties may decide to accept or not to accept the same. Parties shall be at liberty to accept the OEC recommendation with any modification they may deem fit.

f) Where recommendations are acceptable to both the parties, a settlement agreement will be drawn up in terms of the OEC recommendations or with such modifications as may be agreed upon by the parties. The settlement agreement shall be signed by both the parties and authenticated by all the OEC members either in person or through circulation. This settlement agreement shall have the same legal status and effect as that of an arbitration award on agreed terms on the substance of the dispute rendered by an arbitral tribunal under Section 30 of the Arbitration and Conciliation Act, 1996.

g) OIL will share all other guidelines regarding reconciliation through OEC with the CONTRACTOR when it resorts to settlement through OEC. Both parties agree to adhere to these guidelines.

h) All the expenditure incurred in the OEC proceedings shall be shared by the parties in equal proportion. The parties shall maintain account of expenditure and present to the other for the purpose of sharing on conclusion of the OEC proceedings.

i) The OEC proceedings must be completed within a period of 3(three) months from the date of constitution of the OEC with a provision of extension of one months, subject to mutual agreement. The Place of OEC shall be either at New Delhi or Guwahati.

j) If the parties are not able to resolve the dispute through OEC or do not opt for conciliation through OEC, the party may invoke arbitration clause as provided in the contract.

k) The parties shall be represented by their in-house employees/executives. No party shall bring any advocate or outside consultant/advisor/agent. Ex-officers of OIL who have handled the matter in any capacity directly or indirectly shall not be allowed to attend and present the case before OEC on behalf of Contractor. However, ex- employees of parties may represent their respective organizations.

l) Solicitation or any attempt to bring influence of any kind on either OEC Members or OIL is completely prohibited in conciliation proceedings and OIL reserves the absolute right to close the conciliation proceedings at its sole discretion if it apprehends any kind of such attempt made by the Contractor or its representatives.

**42.5 Exclusions**

Parties agree that following matters shall not be referred to conciliation or arbitration:

i) Any claim, difference or dispute relating to, connected with or arising out of OIL's decision to initiate any proceedings for suspension or debarment or banning, or decision to suspend or to ban or to debar business dealings with the bidder/CONTRACTOR and/or with any other person involved or connected or

dealing with bid/contract/bidder/CONTRACTOR.

ii) Any claim, difference or dispute relating to, connected with or arising out of OIL's decision under the provisions of Integrity Pact executed between OIL and the Bidder/CONTRACTOR.

iii) Any claim, difference or dispute relating to, connected with or arising out of OIL's decision to comply with any order or directive of any statutory or government authority.

iv) Any claim which is less than Rs. 25 Lakh.

**43.0 COMPLETION OF CONTRACT**:

Unless otherwise terminated under the provisions of any other relevant Clause or extended through written communication, this Contract shall be deemed to have been completed at the expiry of the Period specified in the contract or period of defect liability, as provided for under the Contract, whichever is later.

**44.0 TERMINATION**:

**44.1 Termination on expiry of the contract**: This Agreement shall be deemed to have been automatically terminated on the expiry of the contract period unless OIL has exercised its option to extend this contract in accordance with the provisions, if any, of this contract.

**44.2 Termination of contract for death:** If the CONTRACTOR is an individual or a proprietary concern and the individual or the proprietor dies or if the CONTRACTOR is a partnership concern and one of the partners dies then unless, the COMPANY is satisfied that the legal heir of the individual or the proprietary concern or the surviving partners are capable of carrying out and completing Contract, the COMPANY is entitled to cancel the Contract for the uncompleted part without being in any way liable for any compensation payment to the estate of the deceased CONTRACTOR and/or to the surviving partners of the CONTRACTOR's firm on account of the cancellation of Contract. The decision of the COMPANY in such assessment shall be final & binding on the parties. In the event of such cancellation, the COMPANY shall not hold the estate of the deceased CONTRACTOR and/or the surviving partners of CONTRACTOR's firm liable for any damages for non-completion of the Contract.

**44.3 Termination on account of Force Majeure:** Unless the contract provides otherwise, either party shall have the right to terminate this Contract on account of Force Majeure as set forth in Article-31.0 above.

**44.4 Termination on account of insolvency:** In the event that the CONTRACTOR or its collaborator or its guarantor at any time during the term of the Contract, becomes insolvent or makes a voluntary assignment of its assets for the benefit of creditors or is adjudged bankrupt or under the process of insolvency or liquidation, then the COMPANY shall, by a notice in writing have the right to terminate the Contract and all the CONTRACTOR's rights and privileges hereunder, shall stand terminated forthwith.

However, COMPANY shall be at liberty to give the Receiver or Liquidator or

Insolvency Professional Manager, as appointed by the Competent Court/Tribunal, the option of carrying out the Contract subject to its technical & financial competence and his providing a guarantee for due and faithful performance of the Contract.

**44.5 Termination for Unsatisfactory Performance**: If the COMPANY considers that, the performance of the CONTRACTOR is unsatisfactory, or not as per the provision of the Contract, the COMPANY shall notify the CONTRACTOR in writing and specify in details the cause of dissatisfaction. The COMPANY shall have the option to terminate the Contract by giving 15 days notice in writing to the CONTRACTOR, if CONTRACTOR fails to comply with the requisitions contained in the said written notice issued by the COMPANY. In the event CONTRACTOR rectifies its non-performance to the satisfaction of the COMPANY, the option of termination may not be exercised by the COMPANY. If however CONTRACTOR repeats non-performance subsequently, COMPANY shall exercise the option to terminate contract by giving 07 days notice. Such CONTRACTOR shall be put on holiday as per the Banning Policy of OIL [available at www.oil-india.in].

**44.6 Termination due to change of ownership and Assignment:** In case the CONTRACTOR's rights and /or obligations under this Contract and/or the CONTRACTOR's rights, title and interest to the equipment/ material, are transferred or assigned without the COMPANY's written consent, the COMPANY may at its option, terminate this Contract. COMPANY shall not be however under any obligation to accord consent to the CONTRACTOR for change of ownership & assignment of the contract.

**44.7** If at any time during the term of this Contract, breakdown of CONTRACTOR's equipment results in CONTRACTORs being unable to perform their obligations hereunder for a period of 15 successive days, COMPANY at its option, may terminate this Contract in its entirely or partially to the extent non-performance, without any further right or obligation on the part of the COMPANY, except for the payment of money then due. No notice shall be served by the COMPANY under the condition stated above.

**44.8 Termination for delay in mobilization:** CONTRACTOR is required to mobilize complete equipment alongwith crew for commencement of services at the specified site within the maximum allowed number of days from the date of LOA/Notice for Mobilization as specified in the special conditions of contract. If the CONTRACTOR (successful bidder) fails to complete the mobilization as above, OIL shall have, without prejudice to any other clause of the CONTRACT, the right to terminate the contract.

**44.9** Notwithstanding any provisions herein to the contrary, the Contract may be terminated at any time by the COMPANY on giving 30 (thirty) days written notice to the CONTRACTOR due to any other reason not covered under the above Article from **44.1 to 44.8** and in the event of such termination the COMPANY shall not be liable to pay any cost or damage to the CONTRACTOR except for payment of services as per the Contract upto the date of termination.

**44.10 Consequence of Termination:** In all cases of termination herein set forth, the relative obligations of the parties to the Contract shall be limited to the period up to the date of termination. Notwithstanding the termination of this Contract, the

parties shall continue to be bound by the provisions of this Contract that reasonably require some action or forbearance after such termination.

Upon termination of this Contract, CONTRACTOR shall return to COMPANY all of COMPANY's properties, which are at the time in CONTRACTOR's possession.

In the event of termination of contract, COMPANY will issue Notice of termination of the contract with date or event after which the contract will be terminated. The contract shall then stand terminated and the CONTRACTOR shall demobilize their personnel & materials.

Demobilization charges shall not be payable by COMPANY in case of Article from **44.4 to 44.7**

**45.0 TO DETERMINE THE CONTRACT:**

In such an event (i.e. termination under Article No. 44.4 to 44.9 above), the contract shall stand terminated and shall cease to be in force from the date of such notification by the COMPANY. Thereafter the CONTRACTOR shall stop forthwith any of the work then in progress, except those work which the COMPANY may, in writing, require to be done to safeguard any property or work, or installations from damages, and the COMPANY may take over the remaining unfinished work of the CONTRACTOR and complete the same through a fresh CONTRACTOR or by other means, at the risk and cost of the CONTRACTOR, and any of its sureties if any, shall be liable to the COMPANY for any excess cost occasioned by such work having to be so taken over and completed by the COMPANY over and above the cost at the rate/cost specified in the schedule of quantities and rates/prices.

**46.0 WITHOUT DETERMINING THE CONTRACT:** In such an event (i.e. termination under Article No. 44.4 to 44.9 above), the COMPANY may take over the work of the CONTRACTOR or any part thereof and complete the same through a fresh CONTRACTOR or by other means, at the risk and cost of the CONTRACTOR. The CONTRACTOR and any of its sureties are liable to the COMPANY for any excess cost over and above the cost at the rates specified in the schedule of quantities and rates/prices, occasioned by such work having been taken over and completed by the COMPANY.

**47.0 ERRING/DEFAULTING AGENCIES:**

Erring and defaulting agencies like bidder, CONTRACTOR, supplier, vendor, service provider will be dealt as per OIL's Banning Policy dated 6th January, 2017 available in OIL's website: www.oil- india.com. Moreover, OIL reserves the right to take legal or any other action on the basis of merit of the case.

**48.0 MISCELLANEOUS PROVISIONS:**

CONTRACTOR shall give notices and pay all fees at their own cost required to be given or paid by any National or State Statute, Ordinance, or other Law or any regulation, or bye-law of any local or other duly constituted authority as may be in force from time to time in India, in relation to the performance of the services and by the rules & regulations of all public bodies and companies whose property or rights are affected or may be affected in any way by the services.

CONTRACTOR shall conform in all respects with the provisions of any Statute, Ordinance of Law as aforesaid and the regulations or bye-law of any local or other duly constituted authority which may be applicable to the services and with such rules and regulation, public bodies and Companies as aforesaid and shall keep COMPANY indemnified against all penalties and liability of every kind for breach of any such Statute, Ordinance or Law, regulation or bye-law.

During the tenure of the Contract, CONTRACTOR shall keep the site where the services are being performed reasonably free from all unnecessary obstruction and shall store or dispose of any equipment and surplus materials and clear away and remove from the site any wreckage, rubbish or temporary works no longer required. On the completion of the services, CONTRACTOR shall clear away and remove from the site any surplus materials; rubbish or temporary works of every kind and leave the whole of the site clean and in workmanlike condition to the satisfaction of the COMPANY.

Key personnel cannot be changed during the tenure of the Contract except due to sickness/death/resignation of the personnel or any other justified situation in which case the replaced person should have equal experience and qualification, which will be again subject to prior approval, by the COMPANY.

## PART-3 (SECTION-II): SCOPE OF WORK (SOW)/TERMS OF REFERENCE (TOR)/TECHNICAL SPECIFICATIONS

### 1.0 INTRODUCTION

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

### 1.1. NAME OF THE SERVICE

Hiring of "**Integrated Drilling Service-3 (IDS-3)** for a period of 04 (four) years in the state of Assam & Arunachal Pradesh.

### 1.2. BRIEF DESCRIPTION OF SERVICE

There will be two identical packages (bundles) under the service as **Integrated Drilling Service-3 (A) and Integrated Drilling Service-3 (B)**, i.e. IDS-3(A) and IDS-3(B**) for 17 ½", 12 ¼" & 8 ½" Hole section along with a common bundle service for 6" Hole .** The contractor shall have to provide the following services with their tools & equipment including manpower.

1. IDS Coordinator.
2. Directional Drilling Services.
3. Mud Engineering Services.
4. Supply of Bits

### 1.3. SCOPE OF SECTION

This section establishes the scope and schedule of the work to be performed along with equipment, consumables to be supplied by the Service provider and describes the specifications, instructions, standards, and other documents including the specifications for any materials, tools, or equipment, which the Service provider will satisfy or adhere to in the performance of the work.

### 1.4. DEFINITION OF WORK

Oil India Limited (OIL) intends to hire **"Integrated Drilling Service-3 (IDS-3)**" where all services along with supply of equipment & consumables are integrated along with manpower under a single contract for a period of 04 (four) years in the state of Assam & Arunachal Pradesh.

### 2.0 GENERAL INFORMATION TO SERVICE PROVIDER

Brief general information is provided below for ready reference based on available information, not firm, **bidder to re-confirm themselves before acceptance**.

## 2.1 BRIEF DISCRIPTION OF PLACE OF ENGAGEMENT

The area of operation as planned for this contract shall be in Assam and Arunachal Pradesh of India. The following information is 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**.

- Maximum width of the well site approach road = 3.66 m
- Turning Radius = 15m (Generally), 12 m (exceptionally)
- Max allowable unit load inclusive of fare weight for class AA loading = 50 tons
- Maximum overhead clearance = 4.25 m
- Highest recorded wind velocity in Assam = 80 km/hour
- Max. recorded ambient temp = 45° deg. Celsius
- Min. recorded ambient temp.= 5 deg. Celsius
- Weather Pattern: Frequent rains from May/June to September/October and Occasional during the remaining period
- Nature of topsoil: Usually clay/Alluvium/ Unconsolidated
- Source of water - Through shallow bore wells. Usually available at well Site. Otherwise, from bore well situated at convenient Locations. Depth of bore well 15/50m.
- Average annual rainfall: 250 / 300 cm
- Humidity - max. 98%
- Allowable axle load rating of weakest section of road # 12 Tons
- The approximate well plinth area is 8000 - 9000 sq. m.
- The content of solid effluent may be sand, shale, clay, coal, silt, mudstone, sandstone, and other minerals/
- The approximate volume of solid effluent may be up to 80 cubic mtr during drilling of upper section of the hole.

## 2.2 GEOLOGY & RESERVOIR INFORMATION:

Basic Geological and reservoir information are provided below as below:

### 2.2.1 ASSAM ARAKAN PETROLIFEROUS BASIN

This is one of the principal petroliferous basins of India. The Assam-Arakan Basin is situated in the north-eastern part of India categorized as category-I basin. The basin covers an area of 1,16,000 Sq.Km. Major tectonic elements of the basin are:

- Assam Shelf
- Naga Schuppen belt
- Assam-Arakan Fold belt

### 2.2.2. BRIEF UPPER ASSAM BASIN

The Upper Assam Basin, which is a part of Assam Arakan Petroliferous Basin, lies in a syntaxial position which is surrounded on three sides by thrust belts. In the south the Naga Thrust Belt has been developed due to convergence between the Indian plate and the West Burma Block and the syntaxial closure has resulted from the Himalayan collision to the north and northeast. The Basin has developed as a foredeep / foreland basin with respect to Naga Thrust Belt advancement. The foredeep phase was deposited under marine/deltaic conditions and the foreland stage mainly under fluviatile environments.

Present thrust for hydrocarbon exploration by Oil India Limited in Upper Assam Basin is on the Paleocene – Lower Eocene shelf sediments and Oligocene-Miocene fluviatile to fluivo-deltaic & lacustrine sediments, where numbers of oil/gas bearing structures have been identified. Sandstones deposited in a fluvio-deltaic environment (Langpar Formation) to marginal marine environment (Lakadong & Narpuh Member of Sylhet Formation), fluvio-deltaic to deltaic (Barail Formation), fluvial (Tipam) & lacustrine (Girujan) act as the key reservoir facies and major oil and gas accumulations are found in mostly structural traps. Recent exploratory drilling in the deeper and frontier part of the Basin towards east, southeast and northern bank of the river Brahmaputra away from the Central Basement High area has revealed interesting information on the reservoir facies development pattern within the Paleocene-Lower Eocene sediments.

**2.3** The proposed services shall be put into operation in Baghjan, South Baghjan, Lakwagaon, Barekuri, Makum, Hapjan, Dinjan, Khagorijan, Jorajan, Kushijan, Dikom-Kuhiarbari, Kathaloni-Basmatia, Naharkatia , Balimara and Kumchai **with performance-based bit**. **Required information for performance-based bit will be provided after the pre-bid conference after signing non discloser agreement.**

However, the Services may also be deployed in fields other than the ones mentioned above at the discretion of OIL with utilization of OIL's own bits from its existing

inventory or from the bit basket consignment or high-tech bits and in such cases, performance criteria for bits shall not be applicable.

## 2.4 PROJECTION PARAMETERS

Reference spheroid for local projection : WGS 84

Projection system : Lambert Tangential.

## 2.5 DRILLING OPERATIONS

Drilling Services Department is fully committed to achieve the organizational goals and the whole work force engaged as a team with dedication in carrying out the following operations/ tasks to fulfil the targeted objectives.

(i) Drilling of Exploratory & Development wells including water injection wells.

(ii) Drilling of Water Disposal wells.

The challenges range from drilling shallow wells to deep Eocene wells, sub normal to abnormally high pressure & temperature wells, development of ranked wildcat wells, wells having straight, directional & horizontal trajectories are drilled having high displacement profile.

## 2.6 DRILLING RIG OF DRILLING SERVICES

Drilling Services of OIL has 10 nos. own and 07 nos of chartered hired drilling rigs.

## 2.7 DESCRIPTION OF DRILLING WELL

2.7.1 Drilling locations may be one with one well or cluster of wells/offset wells. Profiles of the wells are vertical or directional with "J", "S", and "Horizontal" profile. Multilateral drilling with several lateral drain holes from one mother well is also in planning stage. Standard/tentative sectional targets for a well with depth of 4500 meter is as follows:

**Table (1): Standard/tentative sectional target for a well with depth of 4500 meter**

| Sl No | Hole Size (inches) | Sectional Target |
|---|---|---|
| 1 | 26 | 250 |
| 2 | 17½ | 250-2300 |

| | | |
|---|---|---|
| 3 | 12¼ | 2300-3600 |
| 4 | 8½ | 3600-4200 |
| 5 | 6” | 4200+ |

**NOTE**: However, above is only a general illustration, hole size and sectional TD may differ depending upon well design and from geological perspective.

## 2.8 PRESENCE OF CO2 & H2S

Presence of $CO_2$ is expected in the wells. The wells are expected to be $H_2S$ free. Accordingly, the equipment/tools etc. to be offered by the Service provider shall be for generally $H_2S$ free environment.

## 3.0 SERVICES OF INTEGRATED DRILLING SERVICE-3 (IDS-3)

The following services tools, equipment including manpower are to be provided under Integrated Drilling Service-3 (IDS-3)

## A.1.0 DEPLOYMENT OF IDS COORDINATOR

The Bidder shall provide one qualified and experienced IDS Coordinator for managing the Integrated Drilling Service-3 based at OIL’s Office. He should be of sound health, must be fluent in written/spoken English and employee of the Service provider.

### 1.1. GENERAL

(i) The Contractor will have to submit the Biodata of personnel proposed to be deployed prior to deployment for OIL’s approval as per **Annexure: Q**. The following documents should accompany the Bio Data for approval.

a) Educational Qualification certificate
b) Appointment / approval letters from the last Operator.
c) Proof of Work experience as per contract
d) Valid Police Verification Certificate

(ii) **IDS co-ordinator should be an employee of the Contractor (i.e., Bidder). Bidder to confirm the same.**

(iii) Company reserves the right to instruct for removal of any Service provider's personnel who in the opinion of Company is technically not competent or not rendering the services faithfully, or due to other reasons. The replacement of such personnel will also be fully at cost of the Service provider and the Service provider shall have to replace this/these personnel within Ten **(10) days of such instruction**. The replacement personnel must have the requisite qualification and experience as indicated in the contract and their credentials along with

recent photographs must be submitted to Company for approval prior to their engagement.

(iv) In case, the personnel are newly recruited in the organization, at least 02(Two) no. of personnel reference with email id, Mobile no. etc. of the previous employer to be provided in the CV for his previous experience.

(v) Movement of the contractor personnel to & from well site will be under contractor's responsibility. Contractor to arrange for fooding and lodging bunk house for its personnel at well site with no extra cost to the company.

(vi) If Contractor deploys more personnel towards performance of any specific job at well site during the currency of the contract, Company will not pay for such additional manpower.

(i) The educational qualification & experience criteria of deployed personnel are mentioned in **Table No. (2)**:

**TABLE NO. (2): EXPERIENCE & CERTIFICATION OF IDS COORDINATOR**

| Sl. No. | Name of position | Educational Qualification | Experience & Certification | Stationed | Working Hours | OFF as per Note | Total (exclude off) |
|---|---|---|---|---|---|---|---|
| 1 | **IDS Coordinator** | BE/BTech or higher in engineering background from AICTE/ Govt. recognized institute | *i)* Should have BE/B Tech/MBA or higher with an experience of 15 years in deep drilling oil / gas wells<br>*ii)* Should be conversant with mud chemicals & maintenance of mud property.<br>*iii)* Should have Experience atleast in one integrated service/bundled service project as a coordinator/ Project Manager<br>*iv)* Should have completed at least three wells with depth more than 3500 meter, out of which one well with a depth of 4500 meter. | At base office of **Duliajan** | (24 hrs x7 days on call basis) | Off as per Note | 01 |

**NOTE:** "OFF & ON" pattern of personnel deployed at well site shall be guided as per DGMS Circular SO1658 (E) date 30thJune, 2014 with fulfilling all its conditions.

## 1.2. COMPETENT OFFICIALS AND COMPETENT PERSON

IDS Coordinator should be Contractor's employee deployed as per **TABLE NO (2)** shall be treated as competent officials and persons as per Regulations (21) Appointment of officials and competent persons and shall perform duty as Regulation (26) Duty of persons employed in mine and Regulation (33) Duty of competent person of OMR, 2017 in addition to other assigned jobs as per the contract.

## 1.3. JOB SPECIFICATION AND JOB RESPONSIBILTY

The basic Job specification and responsibility are defined as below but not limited, additional responsibilities may be assigned if it is warrant for the safety of personnel/equipment and smooth functioning of the operations under the contract.

**IDS COORDINATOR**

(i) **CATEGORY**

Competent official as described in regulation (21), i.e., Appointment of officials and competent persons.

(ii) **JOB SPECIFICATION**

The IDS Coordinator shall be responsible for delivering the commitment under all service to be hired under the contract on behalf of Service provider, work in close coordination with OIL's personnel & other services provider and stationed at company's base for the entire contract period. He shall be the single point of contact between OIL and the Contractor with responsibility for working closely with OIL. Shall be responsible for successful management for timely completion of each well as per program.

**GENERAL JOB RESPONSIBILITY**

He shall be responsible for:

(a) Delivering of the deliverables to the Client in accordance with scope of work under the Contract.

(b) Liaise with the Client team and prepare the mobilization plan upon award of main Contract.

(c) Co-ordinating with internal segments and third parties to ensure timely mobilization of equipment and services, if any.

(d) Co-ordinating with Company or any other agency for any operational/ administrative matter of the rig and well site.

(e) Providing all requisite data for preparation of "look-ahead plan" for 7/15/30 days, as applicable, comprising/compiling the "look-ahead plan" for 7/15/30 in advance.

(f) Attending the Daily Progress Review meetings and fine tune Daily / Weekly look ahead in line with the operational updates and decisions.

(g) Manpower planning, Assigning the responsibility to the team members and ensure co-ordination on all fronts.

(h) Participation in the Service Quality Meetings and implementation of correction measures, if any.

(i) Compliance of QHSSE, Ethics and other policies & standards on part of the Contractor and third-party personnel (if any) harmonising same with client and/or as agreed.

(j) Maintaining the record & document management system as per code of practices of Oil India. He will also maintain the records or documents not covered under the aforesaid code of practice(s), subsequently as a part of legal and QHSSE requirement.

(k) Monitoring plans, programs, and work progress to maintain quality and timeline.

(l) Ensuring equipment and materials under the contract meet quality control standards and regulatory requirements.

(m) Ensuring an adequate inventory of equipment and materials as per the contract to carry out the work without interruption.

(iii) **RESPONSIBILITY IN CONNECTION WITH LWD OPERATION UNDER DIRECTIONAL SERVICES**

(a) Submit Pre-job planning and Post job closing Report in format approved by OIL.

(b) Preparing written Logging plan and program, timely delivery of quality data as per SOW

(iv) **RESPONSIBILITY IN CONNECTION WITH BITS**

(a) Plan and optimize bit hydraulics.

(b) Identify drill-ability issues and root cause analyses with respect of the bit(s).

(c) Investigate unusual or unsatisfactory product performance to determine root cause and preventative action, prepare and present solutions as per the advice of OIL.

(d) He shall prepare documents for transportation of Bits on vehicles in accordance with applicable statute/government guideline/OILs requirement.

(e) He interfaces with the Directional Driller (DD) to ensure BHA compatibility, planned operating parameters to optimise the bit performance.

(f) He shall comply with all safety rules and company policies.

(g) He shall submit comprehensive bit report in hard and soft from with all drilling performance data depth and formation wise (using pictorial graph), bit condition and nozzle condition along with image of used bit to demonstrate its conditions counter signed by IDS coordinator against each used bit in a standard format prepared by the contractor and approved by OIL. Bidder to submit a sample bit report as per best industry practice to OIL for approval, however, the information to be included in the report shall be decided by OIL.

(v) **HSE RESPONSIBILITY**

He shall be responsible for:

(a) Submitting the legal compliance in the format subscribed by OIL.

(b) Issuance of PPE to Service provider personnel.

(c) Replacement of Service provider's personnel due to leave and sickness and shall arrange suitable replacement in reasonable time.

(d) Implementation of commitment under HSE clause as per SCC.

(vi) **RESPONSIBLILTIES RELATED TO MATERIALS / CONSUMABLES**

He shall be responsible for:

(a) Ensuring all mobilisation, demobilisation, interim mobilisation, and interim remobilisation related to manpower, tools, equipment, consumables, and materials well before the requirement of the materials/services so as to avoid waiting for materials/services as per the contract.

(b) To keep records of inventory at well site and make necessary arrangement to ascertain availability of all essential items in time at site.

(c) To keep record of material movement & consumption and give daily report to Company's office on inventory status.

(d) To maintain list of all left over materials & consumables at the end of completion of the operation.

(vii) **RESPONSIBLILTIES RELATED TO COMMUNICATION**

He shall be responsible for:

(a) To be the focal point for all the IDS services on site and coordination with OIL's representatives.

(b) Report on daily and as and when required basis.

(c) Prepare and communicate the daily drilling report.

(d) To document within 24 hours for any incidents or failures.

(e) Record daily cost of IDS as per contract and submit to OIL designated person.

(viii) **RESPONSIBLILTIES RELATEDTO PLANNING AND COORDINATION/ PERFORMANCE AND COST MONITORING**

Evaluate results versus goals and performance of service companies:

(a) Control and maintain an inventory record of all equipment, items, etc. and materials including consumables for both incoming & outgoing to the site at all times.

(b) Monitor the non-productive time and technical performance of their in.

(c) Suggest any needs for corrective actions in operations to assure a process of continuous improvement.

- Brief Summary of Operations
- Comparison of planned v/s actual time
- Bit Records and drilling BHAs
- Mud Recap Reports
- HSE Report
- Lessons learnt if any.

- Lost time analysis

**<u>NOTE</u>: OTHER INFORMATION**

(i) These Reports will be submitted to Company (OIL) in hardcopy as well as digital format for each drilled well.

(ii) Company (OIL) shall be the sole proprietor of all the data generated at the wells and it should be handed over to OIL in proper format (Hardcopy & Digital Format) and completeness.

(iii) The bidder may deploy additional manpower to assist IDS Co-ordinator, however, no additional payment shall be made for such additional manpower.

## A.2.0 <u>DIRECTIONAL DRILLING SERVICES</u>

(i) Under the contract the contractor shall have to provide the following services with their tools & equipment under each package **(i.e. Package-1 and Package-2):**

(a) One set of SDMM + Rotary Steerable Systems +MWD with Directional and Gamma Ray + Jar for 17½" section along with MWD surface Unit.

(b) One set of SDMM + Rotary Steerable Systems + MWD with Directional and Gamma Ray + Jar, Annulus Pressure & Temperature while drilling and Resistivity (Induction Type) tool along with MWD/LWD surface Unit for 12¼" hole section.

(c) One set of SDMM + Rotary Steerable Systems + MWD with Directional and Gamma Ray + Jar/Intensifier, Annulus Pressure & Temperature while drilling, Resistivity (Induction Type) tool, Neutron-Azimuthal Density with imaging & calliper tool along with MWD/LWD surface Unit for 8½" hole section.

(ii) The contractor shall have to provide a common set under package-1 & Package-2 with the following tools and equipment: One set of SDMM + Rotary Steerable Systems + MWD with Directional and Gamma Ray + Jar/Intensifier, Annulus Pressure & Temperature while drilling, Resistivity (Induction Type) tool, Neutron-Azimuthal Density with imaging & calliper tool along with MWD/LWD surface Unit for 6" hole section.

(iii) ON CALL OUT BASIS: The following 6" tools and equipment will be on Callout basis and will be used under both the Packages (Package-1 & Package-2) as per OIL's discretion on the basis of necessity:-

6" Formation pressure while drilling (FPWD)

**NOTE:**

a) All the above services are meant for PEL / ML areas for directional drilling activity.

b) Contractors to provide the above services, together with Manpower as per scope of work.

c) Company reserves the right to mobilize individual tools mentioned under Call out services at its own discretion on the basis of necessity.

d) The surface unit along with all its tool/equipment/ software/ hardware/ accessories must be common and compatible to use for all sections (i.e., 17½", 12¼", 8½" and 6") and all tools/equipment under the directional services as per the contract.

**2.1 SERVICE REQUIREMENT UNDER DIRECTIONAL DRILLING SERVICES**:

Under the service, the Contractor shall provide the followings services along with all necessary equipment/tools, personnel, and carryout directional drilling operations in accordance with the approved directional well plan. The approved well plan may be amended from time to time by reasonable modification as mutually agreed by both Parties. However, the contractor shall be wholly responsible for rendering the services as per scope of work under this contract.

**2.1.1** Collar based MWD / LWD tools (Compatible with RSS/SDMM) with Positive or continuous Mud Pulse Telemetry system shall be provided under this service. **The Contractor should categorically confirm to this effect.**

**2.1.2** RSS, SDMM, MWD/LWD & Jar to be deputed under the service should comply with the followings:

(i) All down hole tools including surface unit must be of recent version. **These tools should either be new or in case of refurbished tools the refurbishment should not be more than 06 (Six) months old.**

The refurbished tools need to be TPI inspected and certificate to be submitted for approval prior to use as below:

(1) Bidder to arrange for TPI before initial mobilisation of tools as per applicable API /ISO/DS-1 standard.

(2) Bidder should confirm that equipment/material supplied by them will be inspected/tested at their cost and verified by an ISO/IEC17020 (standard for conformity assessment i.e., requirements for the operation of various types of bodies performing inspection) certified TPI agency providing QA/QC services to oilfield & oilfield & another industrial sector.

(3) Documents to be submitted during initial mobilisation as below:

(a) Valid ISO/IEC certificate

(b) Inspection report

(c) Valid outgoing system test report to be provided along with the shipping/ dispatch documents.

(d) Scope of inspection.

(ii) The Contractor should provide the technical literature/catalogue for all the offered tools.

(iii) The Contractor shall provide Calibration certificate of MWD & LWD tool before mobilization showing Inclination, Azimuth, Tool face & Dip angle accuracies as applicable. **Calibration certificates for accuracy of Measurement should not be more than 6 months old.** In case of **calibration, certificates are of 01 (One) year validity**, the same will also be acceptable.

(iv) RSS/SDMM/MWD/Jar/LWD tools provided by the Contractor shall be supported with spares and service during the duration of the Contract.

(v) Contractor would provide relevant test certificates for the drilling jar. **Test certificates** have to be provided before mobilization.

(vi) All tools/equipment and consumables deployed by the Contractor should meet OIL's specified requirement.

(vii) RSS/SDMM/MWD/Jar/LWD initially mobilized by the Contractor and any replacement thereof, should be accompanied by Calibration sheets, approved by Contractors QA/QC engineers/TPI. Contractors to confirm the same.

(viii) Inspection by TPI during initial calibration/refurbishment for initial mobilization is a must for all refurbished directional tools & equipment as per clause (i) above. Subsequent routine maintenance would not require any third-party inspection. However, OIL may ask the contractor to provide Third party inspection of a particular tool or equipment if deemed necessary.

### 2.1.3 RSS/SDMM WITH MWD + JAR FOR DRILLING 17½"HOLE SECTION

(i) SDMM +RSS+ MWD with Directional and Gamma Ray + Jar are to be provided for drilling 17½" hole as a complete package. System should be capable of building, holding, and dropping well angle and direction as per approved well plan trajectory.

(ii) System to transmit data from down hole in real time on continuous basis.

(iii) System to be complete with one surface unit with necessary computers, monitors printers, plotters etc. and other equipment as necessary to execute the job.

(iv) **One set of tools & equipment shall consist of** one surface unit, 1 No. of RSS/SDMM for 17½" hole size, one directional MWD + Gamma, one number of Drilling jar with other directional tubular if required for drilling the Section (i.e., NMDC, UBHO, Float Sub etc. if required).

(v) CONTRACTOR has to bring **sufficient back up tools** over and above the minimum required back up tools for the particular hole size to ensure un-interrupted directional drilling activity considering logistic constraints in the Northeast as per the Table 6 below. Servicing of tools will be allowed at no workload period.

(vi) Services of Directional Drillers and MWD Engineers are to be provided for execution of drilling program as per plans of OIL. **Minimum two directional drillers and minimum two MWD Engineer are required to be provided always during operation at well site.**

(vii) 17½" section hole will be drilled by the Contractor as per approved OIL's well plan.

### 2.1.4 RSS/SDMM WITH MWD + JAR FOR DRILLING 12¼" HOLE SECTION

(i) SDMM + RSS + MWD/LWD + Jar are to be provided for drilling 12¼" hole having directional and Gamma ray tool, Resistivity (Induction Type), Annulus Pressure and Temperature tool in the system as a complete package. System should be capable of building, holding, and dropping well angle and direction as per well plan trajectory.

(ii) One set of tools & equipment shall consist of one surface unit, 1 No. of RSS/SDMM for 12¼" hole size, 01 No Directional MWD + Gamma, 01 No of 6¼"/ 6½"/ 6¾" Drilling jar and other directional tubular for drilling the Section (i.e., NMDC, UBHO, Float Sub etc. if required).

(iii) However, in case of RSS it should be capable of simultaneously changing azimuth and inclination in rotary drilling mode.

(iv) System should respond to downlink command given from surface in real time and should perform to desired command down hole. System to transmit data from down hole in real time on continuous basis.

(v) System should have two-way communication system i.e., real time up link and down link facility for data transmission and for sending command to the bottom hole tools with mud pulse telemetry.

(vi) System to be complete with one surface unit with necessary computers, monitors printers, plotters etc. and other equipment as necessary to execute the job.

(vii) RSS will be put on use for operation from one well to another subject to OIL's requirement.

(viii) CONTRACTOR has to bring back-up tools over and above the minimum required tools for the particular hole size to ensure un-interrupted directional drilling activity considering logistics constraints in the Northeast as per the Table 6 below. Servicing of tools will be allowed at no workload period.

(ix) Services of Directional Drillers to operate RSS/SDMM and MWD/LWD Engineers are to be provided for execution of drilling program as per well plan of OIL. **Minimum two directional drillers and minimum two MWD Engineers per package are required to be provided always during operation at well site**.

(x) 12¼" section hole will be drilled by the Contractor with the help of Rotary steerable system or SDMM in consultation with OIL.

(xi) Rotary Steerable Tools should be best in class tools engaged in the business of the contractors. **System should be efficient to drill S-bend, J-bend, horizontal and ERD/HDD well of sail angle 55° - 85°.** System should be able to kick off the well from vertical. Directional gamma ray tools should be integrated part of steerable system.

### 2.1.5 RSS/SDMM WITH MWD AND LWD + JAR FOR DRILLING 8½" SECTION:

(i) SDMM + RSS + MWD/LWD + Jar are to be provided for drilling 8½" hole having directional and Gamma ray tool, annulus Pressure & annulus Temperature while drilling, Resistivity (Induction Type), Neutron-Azimuthal Density with imaging & calliper in the system as a complete package. System should be capable of building, holding, and dropping well angle and direction as per well plan trajectory

(ii) One set of tools & equipment shall consist of one surface unit, 1 No. of RSS/SDMM for 8½" hole size, 01 No of Directional MWD + Gamma + annulus Pressure & annulus Temperature while drilling+ Resistivity (Induction Type) +Neutron-azimuthal Density (four quadrants) with imaging & calliper and 01 No of 6¼"/6½" / 6¾" drilling jar and other directional tubular for drilling the Section (i.e. NMDC, UBHO, Float Sub etc. if required).

(iii) However, in case of RSS it should be capable of simultaneously changing azimuth and inclination in rotary drilling mode.

(iv) System should respond to downlink command given from surface in real time and should perform to desired command down hole. System to transmit data from down hole in real time on continuous basis.

(v) System should have two-way communication system i.e., real time up link and down link facility for data transmission and for sending command to the bottom hole tools with mud pulse telemetry.

(vi) System to be complete with one surface unit with necessary computers, monitors printers, plotters etc. and other equipment as necessary to execute the job.

(vii) CONTRACTOR has to bring sufficient back up tools over and above the minimum required back up tools for the particular hole size to ensure un-interrupted directional drilling activity considering logistic constraints in the Northeast as per the Table 6 below. Servicing of tools will be allowed at no workload period.

(viii) Services of Directional Drillers to operate RSS/SDMM and MWD/LWD Engineers are to be provided for execution of drilling program as per well plan of OIL. **Minimum two directional drillers and minimum two MWD Engineers per package are required to be provided always during operation at well site.**

(ix) Rotary Steerable Tools should be best in class tools engaged in the business of the contractors. **System should be efficient to drill S-bend, J-bend, horizontal and ERD/HDD well of sail angle 55° - 85°. System should be able to kick off the well from vertical**. Directional gamma ray tools should be integrated part of steerable system.

### 2.1.6 SDMM WITH LWD/MWD + JAR FOR DRILLING 6" HOLE SECTION

i) SDMM + RSS + MWD/LWD + Jar are to be provided for drilling 6" hole having directional and Gamma ray tool, annulus Pressure & annulus Temperature while drilling, Resistivity (Induction Type), Neutron-Azimuthal Density with imaging & calliper, FPWD (Call out) in the system as a complete package. System should be capable of building, holding, and dropping well angle and direction as per well plan trajectory

ii) OIL at its discretion and operational requirement will issue Callout notice–for the Formation Pressure While Drilling (FPWD) tool.—However additional directional tubulars (i.e., NMDC, UBHO, Float Sub, control subs etc. if required) will have to be brought by the contractor on its own to make the string ready for the operation.

iii) One set of tools & equipment shall consist of one surface unit, 1 No. of RSS/SDMM for 6″ hole size, 01 No Directional MWD + Gamma, 01 No of 4.¾″ Drilling jar and other directional tubular for drilling the Section (i.e., NMDC,

UBHO, Float Sub etc. if required). OIL at its discretion and operational requirement will issue Callout notice for the call out tool in the set.

iv) However, in case of RSS it should be capable of simultaneously changing azimuth and inclination in rotary drilling mode.

v) System should respond to downlink command given from surface in real time and should perform to desired command down hole. System to transmit data from down hole in real time on continuous basis.

vi) System should have two-way communication system i.e., real time up link and down link facility for data transmission and for sending command to the bottom hole tools with mud pulse telemetry.

vii) System to be complete with one surface unit with necessary computers, monitors printers, plotters etc. and other equipment as necessary to execute the job.

viii) CONTRACTOR has to bring sufficient back up tools over and above the minimum required back up tools for the particular hole size to ensure un-interrupted directional drilling activity considering logistic constraints in the Northeast as per the Table 6 below. Servicing of tools will be allowed at no workload period.

ix) Services of Directional Drillers to operate RSS/SDMM and MWD/LWD Engineers are to be provided for execution of drilling program as per well plan of OIL. **Minimum two directional drillers and minimum two MWD Engineers per package are required to be provided always during operation at well site.**

x) **Rotary Steerable Tools should be best in class tools engaged in the business of the contractors. System should be efficient to drill S-bend, J-bend, horizontal and ERD/HDD well of sail angle 55° - 85°.** System should be able to kick off the well from vertical. Directional gamma ray tools should be integrated part of steerable system.

## 2.2 SPECIFIED REQUIREMENTS

The contractor is required to comply with following specified requirements:

(i) To provide all X-over subs required between Contractor's BHA to Company's drill string and any other X-over required for Contractors BHA is to be identified and furnished by the Contractor. Drill String available with "OIL" for Drilling in 17½", 12¼", 8½" & 6" hole. These details are furnished in **Annexure-C.**

(ii) To provide the 5"/5½" Drill Pipe Screen, backup tools/equipment with sufficient spares & consumables.

(iii) To provide detailed specification of equipment/sensors along with catalogue and also all the features available in their MWD & LWD system. The Contractor should also indicate the limitations of their tools/sensors such as temperature, pressure, and discharge limitations with ability to pump LCM materials in Mud Loss conditions through the tool and accordingly the equipment & sensor must perform.

(iv) The Contractor shall keep fishing tools including spares required for Contractor's non-standard/oblong size equipment/ tools, if any.

(v) The minimum drift diameter of Hydro-Mechanical Jar/Hydraulic Jar should be as below **Table No. (3):**

| **TABLE NO. (3): MINIMUM DRIFT DIAMETER** | | |
|---|---|---|
| **Sl No** | **Jar OD (inch)** | **Drift diameter (inch)** |
| 1 | 8″ | 3″ |
| 2 | 6¼″ - 6½″ - 6¾″ | 2½″ – 2¾″ |
| 3 | 4¾″ | 2″ |

(vi) To provide X-over from 6000 Psi to 15000 Psi fitting for H-Manifold.

(vii) Match on sub have to be provided by the bidder in case of proprietary connection for fishing and other job along with the lifting sub. In case of non-standard/oblong tubular, bidder has to provide overshot tool for fishing job.

(viii) In case of proprietary connection, all cross over sub have to be provided by the bidder to match OIL's string.

(ix) System should be able to drill cement, float collar, float shoe and formation.

(x) **Each Package will require only 01 No MWD/LWD Surface unit, which should be compatible with all the different sets of tools within the package including call out.**

(xi) Although services of Directional Drillers to operate RSS/SDMM and MWD/LWD Engineers are mentioned for all the sections, they should be common and compatible for execution of drilling program of all sections as per well plan of OIL. **Minimum two directional drillers and minimum two MWD Engineers per package are required to be provided always during operation at well site.** Similarly, some of the tools/equipment are mentioned for all the sections, however they may be common and used for different hole sections too if tool/equipment size is suitable for a particular section and it will be considered as common set.

(xii) Any Service provider not quoting for all the services as per the Scope of work will be considered nonresponsive. Additional features/information (if any) is to be provided by the bidder.

(xiii) During 12¼" hole drilling, all MWD/LWD collars to be utilized should be within 8" to 8½". Please note that 9½" collar against 12¼" hole drilling is not acceptable. However, the service provider may propose to use the same size collars both in 17.5" as well as 12.25" hole section.

(xiv) The RSS to be provided for 12¼" hole section should be easily modified to be utilised for 17.5" section drilling as per discretion of OIL based on operational requirement. In this regard, Service provider should bring in all necessary spares required for technical modification of the tools. OIL will activate the requisite tools accordingly while de-activating the non-utilized 17.5" tools as per requirement.

## 2.3 DETAILS OF EQUIPMENT & SERVICES REQUIREMENT

The Contractor shall confirm to provide the following services:

### 2.3.1 WELL PLANNING SERVICES

(i) OIL will design the well trajectory and share the same along with other data with the contractor. Contractor shall accept the plan prior to start of directional drilling. However, contractor may suggest anticipated Torque & Drag, hydraulics and anti-collision for such plan. If required, well plan may be re-viewed in consultation with the contractor to sort out any kind of well trajectory issues. In that case, the re-viewed plan must be accepted by the contractor. Thereafter, it shall be the responsibility of the Contractor to maintain the well profile of the hole as per plan till target depth of the particular section is reached.

(ii) Contractor shall share Torque & Drag, Hydraulics, Anti-collision, proposed BHA for any particular hole section of a directional well during actual drilling with their latest directional software.

(iii) Contractor shall submit end of Well Report after completion of the assigned Section/Well in hard as well soft copies (Both in Word and PDF format).

### 2.3.2 MWD/LWD PRE-JOB PLANNING AND POST LOGGING CLOSING

Service provider will preferably assign one personnel having Geoscience knowledge, not necessarily at Duliajan base, who will be a liaison officer with in-house G&G team in terms of relevant data gathering and detailed planning of the proposed LWD job. Log interpretation is not required; however, he may assist in such case. Pre-job planning and post log closing should include minimum of the following:

Pre-job planning and post log closing should include minimum of the following:

(i) **A MWD/LWD** Program should contain:

a) Document Control (approval/ Distribution List/revision history etc.)
b) Well Data Summary
c) Job Objectives and Acceptance Criteria
d) Design and Special Considerations (Design Criteria vs. Job Objectives)
e) Recommendations
f) Pre-Job Requirements
g) Job Procedure
h) HSE Procedure
i) Contingency Plans

(ii) **Post** logging Report as per SoW.

**NOTE:**

The topics shown under MWD/LWD Program are indicative only which are subjected to change or modification as per OIL's requirement.

### 2.3.3 MWD EQUIPMENT AND SERVICES

(i) The contractor shall provide one complete set of MWD (Measurement While Drilling) System. MWD tools should be collar specific, i.e., for different collar sizes, outside diameter of sensors is different except of directional sensor. The bore must be empty with no probe except for the directional part. Mud must be able to pass through the inserts (i.e., Battery pack, Gamma pack, Electronics, etc.) at respective flow rates. MWD tools with same size of probe fixed mechanically (fixed collar/collar mounted) for different collar sizes are not to be considered as collar-based tools. Probe based tools are not acceptable.

(ii) MWD system should be based on positive or continuous mud pulse, mud telemetry for drilling (17½", 12¼", 8½" & 6") hole as per requirement of OIL provided in the MWD specifications in **Annexure-D**, along with cross-over subs, Non-Magnetic Drill Collars, Float Subs – if required with all sets of electronic packages, surface computers and other accessories required for continuous real time monitoring of tool face, inclination, direction (azimuth) and Gamma while drilling (17½", 12¼", 9½", 8½" & 6"). Contractor will maintain sufficient back up tools & spares to meet contingent situation like Lost in Hole / Tool failure etc.

**NOTE:**

(i) Contractor shall provide RSS, SDMM, Directional tools based on positive or continuous mud pulse telemetry with MTBF (Meantime Between Failure) exceeding 1000 hrs.

(ii) Contractor to provide additional NMDC if required for MWD/LWD survey accuracy.

### 2.3.4 LWD EQUIPMENT ALONG WITH SERVICES (FOR 12¼", 8½" & 6" HOLE):

Contractor shall confirm to provide Resistivity Tool & Density-Porosity tool compatible with the offered MWD. The surface system for Resistivity, Density-Porosity and MWD with Gamma should be same. The Resistivity & Density-Porosity services will be used along with MWD for accuracy. Contractor shall provide the Company with Resistivity, Gamma, Density-Porosity (including density images) Log Vs True Vertical Depth and Measured Well Depth for reservoir boundary identification. The **Resistivity measurement** shall be as per requirement of OIL provided in **Annexure-G**. Contractor will maintain sufficient back up tools & spares to meet contingent situation like Lost in Hole / Tool failure etc.

**NOTE:** The MWD & LWD tools should be able to interface with Rotary Steerable System (wherever used) and facilitate 2-way communication & integration of data and commands.

### 2.3.5 SDMM EQUIPMENT ALONG WITH SERVICES:

The Contractor shall provide Steerable Downhole Positive Displacement Mud motors with all accessories e.g., stabilizers etc. as per **Annexure-M** for hole sizes of **17½", 12¼", 8½"& 6"**. SDMMs should be high torque, low to medium speed & stabilized positive displacement steerable multi-lobe mud motor for high angle drilling.

The directional drillers are required to operate these motors and drill the hole as per plan trajectory. The motors should have API rotary shoulder connections with built-in/screw-on bearing Stabilizer housing & adjustable bent housing. SDMM should be suitable for build-up rates & straight drilling in rotary mode. The steerable downhole mud motors should be with mud lubricated bearing/ Oil sealed bearing assembly and equipped with rotor catcher feature.

### 2.3.6 MWD/LWD SURFACE UNIT & DATA TRANSMISSION SYSTEM

Surface MWD/ LWD unit with computers/printer's accessories to record and print real time data with necessary transducers and connections to work with rig power supply 220 volts, 50 Hz. / 415V AC, 3 Phase, 3 wire AC as per requirement of OIL as stated in **Annexure-K** (Contractor to fill up the Annexure). System should also have following features:

(i) A common LWD/MWD Surface unit compatible with all the sets to be provided with the package.

(ii) Record data like angle, azimuth and tool face and transmit it to surface with rig floor display. System should have features for dynamic tool face recording when drilling with motors.

(iii) Surface Unit should have the facility for online surface recording system capable for running MWD / LWD services in 17½", 12¼", 8½" & 6" hole section with all accessories like signal pressure transducers, precision depth assembly and MWD/LWD logs including TVD logs in real time.

(iv) System should be able to record standpipe pressure, and Rate of penetration with depth counter facility.

(v) Data should be recorded both in real-time as well in memory mode. System should be able to provide raw as well as processed data. Data to be provided in electronic media (PDF, LASS and standard industry format like DLIS/CLIS) in CD/DVD. System to have capability to retrieve data in memory mode at the site.

(vi) Unit should have provision for data compression feature and security protection as per prevalent Oil Industry standards.

(vii) System should have colour printing/ plotting facility at base office. Internet connectivity to be provided by the Service provider for data transmission. Hardware and software facilities required for real time data transmission from wellsite to designated office locations should be made available by the Service provider. The rate of data transmission should be fast enough for real time analysis by the respective OIL representatives from OIL's office.

(viii) The Service provider should arrange for state-of-the-art portable VSAT & Antenna/other data transmission mechanism (as per operational requirement) at the wellsite (wherever service is deployed) for real time data transmission at high speed to OIL's base for uninterrupted data transmission.

(ix) Each Surface Unit should be supplied with all necessary electrical apparatus/computers/printers and other accessories including air conditioners which must be of FLP type and should be suitable for use in hazardous area of Zone-I and gas group IIA & IIB in oil mine and shall conform to IS/IEC/EN: 60079-0:2011 & IS/IEC/EN: 60079-1:2007 as per clause No.: 107 of OMR-2017.The bunk house should come with at least 150 m 3-Phase Power cable.

(x) Real time data Monitoring Services at rig site as well as at Company's base office in Duliajan for 24x7 monitoring of Drilling Operation to be provided both in desktop version and in mobile app. All logs of MWD/LWD tools along with drilling parameters i.e., ROP, Temp, ECD, Survey, SPP, Depth, Hook load curve etc. should be available in the system. No additional charges will be payable for this.

(xi) Service provider has to sign a **confidentiality and non-disclosure agreement** as per the format shared by OIL.

**2.3.7** All MWD/LWD tools along with Jar & Intensifier deployed under the service should comply with the followings:

(i) All down hole tools including surface unit must be of recent version. **These tools should either be new or in case of refurbished tools the refurbishment should not be more than 06 (Six) months old.** Service provider must submit relevant documents of the tools in this respect as documentary evidence before mobilization of the tools. The refurbished tools need to be TPI inspected and certificate to be submitted for approval prior to use as below:

1) Bidder to arrange for TPI before initial mobilisation of tools as per applicable API /ISO/DS-1 standard.

2) Bidder should confirm that equipment/material supplied by them will be inspected/tested at their cost and verified by an ISO/IEC17020 (standard for conformity assessment i.e., requirements for the operation of various types of bodies performing inspection) certified TPI agency providing QA/QC services to oilfield & oilfield & another industrial sector.

3) Documents to be during initial mobilisation as below:

(a) Accreditation of the Testing agency/laboratory and its accreditation /affiliation.

(b) Inspection report.

(c) Valid outgoing system test report to be provided along with the shipping/ dispatch documents.

(d) Scope of inspection.

(ii) In addition to the above, Service provider must submit maintenance schedule and certificates against all tools as per Service provider's policy before mobilization of the tools under the Contract. This will be scrutinized by OIL and Service provider to confirm the same.

**NOTE: Part no. / Identification no. must be noted in the maintenance records.**

(iii) The Service provider should provide the technical literature/catalogue for all the offered tools along with the submitted bids. However, the Service provider may have to re-submit the same to the concerned user section during initial/ re-mobilization (if asked for).

(iv) The Service provider shall provide Calibration certificate of MWD & LWD tool before mobilization showing Inclination, Azimuth, Tool face & Dip angle accuracies as applicable. Calibration certificates for accuracy of Measurement should not be more than 06 (six) months old. In case of calibration certificates which are of 01 (One) year validity, the same will not be applicable. Service provider needs to confirm the same.

(v) MWD/LWD/Jar tool provided by the Service provider shall be supported with spares and service during the duration of the Contract.

(vi) Contractor would provide relevant test certificates for the drilling jar. A test certificate has to be provided during mobilization. However, the Service provider, if asked for, should be able to submit the relevant certificates during subsequent replacement/refurbishment.

(vii) All tools/equipment and consumables deployed by the Service provider should meet OIL's specified requirement.

(viii) MWD / LWD initially mobilized by the Service provider and any replacement thereof should be accompanied by Calibration sheets, approved by Service providers QA/QC engineers / TPI. Service providers to confirm the same.

### 2.3.8 MWD/LWD FOR 12¼", 8½" & 6" HOLE SECTION

(i) MWD/LWD services consisting of real time Directional, Gamma, Resistivity, Density (four quadrants), Neutron porosity, Annulus Pressure and Annulus Temperature, FPWD (wherever applicable), should have two-way communication system i.e., real time up link and down link facility with mud pulse telemetry.

(ii) The Service provider shall provide one complete set of MWD (Measurement While Drilling) System. MWD tools should be collar specific, i.e., for different collar sizes, outside diameter of sensors are different except of directional sensor. The bore must be empty with no probe except for the directional part. Mud must be able to pass through the inserts (i.e., Battery pack, Gamma pack, Electronics, etc.) at respective flow rates. MWD tools with same size of probe fixed mechanically (fixed collar/collar mounted) for different collar sizes are not to be considered as collar-based tools. Probe based tools are not acceptable.

### 2.3.9 MEASUREMENT WHILE DRILLING

(i) Temp rating: 120° C or more

(ii) Pressure rating: 18000 PSI or more

(iii) Measurement while drilling package should consist of Inclination, Direction and API quality continuous gamma ray measurement recorded both in real as well as memory mode.

(iv) MWD system should be based on positive or continuous mud pulse telemetry for drilling in hole sections of 17½", 12¼", 8½" & 6".

(v) The MWD system should include the Directional Display Unit/Rig floor display at the derrick floor to check the SDMM tool face as and when required by OIL.

(vi) Directional Survey response time should be less than 120 secs.

(vii) The system should consist of pulsar, electronic sensors, power source for transmitting and recording down hole data in real time with tool face update every 20 seconds or less. Data also is to be recorded while pulling out by back reaming / with pumps-on.

(viii) Mud flow rate: (**As per Annexure D)**

(ix) Data transmission rate should be 5bits/sec or more and the system should be able to transmit data of various tools quoted in the tender without distortion.

(x) Data Density should be minimum **1 data/ft** in real time and minimum **2 data/ft** in memory mode.

(xi) Measurement accuracy: TF+/- 3.0 deg, Az +/- 1.5 deg, INC +/- 0.2deg or better

(xii) MTF/GTF programmable at surface

(xiii) Should be compatible with the entire range of LWD tools within the scope of the contract.

### 2.3.10 LWD MEASUREMENTS

Resistivity, Gamma ray, density, neutron porosity, along with all other callout items under the scope of the contract for hole sizes of 12¼", 8½" & 6" should be combinable & compatible with MWD and other LWD equipment. The provision of real time data transmission should exist. Data is also to be recorded in memory mode as well. Data also is to be recorded while running in/ reaming/pulling out by back reaming with pump-on/off mode. Tools should work with temperature of 120° C or more, Pressure rating: 18000 PSI or more, Tool curvature: 6.5° / 100′ (Rotary) or better.

**NOTE: The Memory Capacity for each downhole LWD tools should be able to sustain drilling activity for not less than 250 circulating hours at highest quality of data capturing.**

**However, breakdown (including no recording) of any tool beyond 250 circulating hours will attract Zero rate if prior intimation for replacement of the tools is not informed by the Contractor.**

### 2.3.11 GAMMA RAY MEASUREMENT

**Specifications are given in Annexure: G**

(i) Temp rating: 120° C or more.

(ii) Pressure rating: 18000 PSI or more.

(iii) Sampling Rate: minimum 2 sample/feet in memory mode.

(iv) Gamma ray logging should be compatible and combinable with other LWD tools.

(v) Gamma Ray Range: 0-250 API or more.

### 2.3.12 RESISTIVITY MEASUREMENT (INDUCTION TYPE)

**Specifications are given in Annexure: G**

(i) Temp rating: 120° C or more.

(ii) Pressure rating: 18000 PSI or more.

(iii) Sampling Rate: minimum 2 sample/feet in memory mode

(iv) To be recorded in multiple frequencies and in multiple depth of investigations.

(v) Bore-hole compensated phase & attenuation measurement systems with multiple depths of investigation.

(vi) Depths of investigation.

(vii) True resistivity (Rt) data **(if feasible).**

(viii) Resistivity measurement: 0.2 to 2000 Ohm-m.

(ix) Invasion Profile from curve separations.

(x) Resistivity logging should be compatible and combinable with other LWD tools.

### 2.3.13 NEUTRON, AZIMUTHAL DENSITY & IMAGING WITH CALLIPER (ACOUSTIC)

**Specifications are given in Annexure: I**

(i) Temp rating: 120° C or more.

(ii) Pressure rating: 18000 PSI or more.

(iii) Azimuthal Density Range = 1.8 to 2.8 gm/ cc

(iv) Pe = 1 to 10 units

(v) Neutron porosity = 0 to 100 P.U.

(vi) Azimuthal density from four quadrant and images are to be provided as per the operational requirement with 16 BINS/ 16 Sectors measurement and real time transmission at a rate of 4 BINS/ 4 Sectors or more.

(vii) Ultrasonic/ Density derived Calliper log to be provided.

### 2.3.14 ANNULUS PRESSURE & ANNULUS TEMPERATURE WHILE DRILLING

**Specifications are given in Annexure: H**

(i) Temp rating: 120° C or more.

(ii) Pressure rating: 18000 PSI or more.

(iii) Pressure sensor to identify ECD (Equivalent Circulating Density) and ESD (Equivalent Static Density).

(iv) APWD pressure and temperature resolution should be 5 psi or less and 1.2 deg. C or less respectively.

(v) Should be able to provide measurements in both OFF and ON conditions of the pumps.

(vi) Should be able to take min and max pressure measurements during LOT with facilities for multiple pressure measurements.

(vii) APWD tool should be combinable or integrated part of MWD & Induction resistivity tools with flexibility for detaching pressure sensors as per operational requirement. Separate rates are to be quoted for the APWD tool. (Bidder to confirm whether APWD is independent or integrated with resistivity tool.)

(viii) If integrated with resistivity/MWD, the CIF value of APWD portion only to be quoted in Proforma-A.

(ix) Wide Band receivers to minimize drilling noise.

## 2.4 DATA DELIVERABLE OF REGULAR PACKAGE

(i) Real time/Memory mode Compressional, Shear and Stonily slowness with integrated travel time, Vp/Vs.

(ii) Geo-mechanical properties viz. Young, shear and bulk modulus, Poisson's ratio, etc **(dynamic property only).**

(iii) Rock Mechanical property determination **(Dynamic properties only)**

(iv) Gas zone detection

(v) Acoustic porosity

(vi) Permeability from Stonely (if feasible).

(vii) Evaluation of formation anisotropy around borehole, anisotropy map (if feasible).

(viii) Borehole stability analysis and prediction of safe mud window (if feasible).

(ix) The Post-processed detailed logs/report should be submitted within 72hours of acquisition to OIL's G&G team.

## 2.5 FORMATION PRESSURE WHILE DRILLING 6" HOLE SECTION (CALL OUT )

**Specifications are given in Annexure: J**

(i) Temp rating: 120° C or more

(ii) Pressure rating: 18000 PSI or more

(iii) Should be combinable with other LWD tools.

(iv) Probe based formation pressure measurements.

(v) Tool orientation should be detected from the surface.

(vi) Should be able to carry out measurement irrespective of the tool orientation.

(vii) Tool Stabilizers should be an integral part i.e., no clamps on

(viii) Should have both MWD turbine and battery power source for both pumps on/off **condition.**

### 2.5.1 DATA DELIVERABLES

Post Processing of Pressure test data for:

(i) Identification of fluid pressure gradient, fluid contacts, mobility/ permeability, and any other answer product relevant to acquisition mode.

(ii) A comprehensive Interpretation Report has to be submitted by the service provider within 72 hours of completion of data collection and retrieval of tool at surface.

## 2.6 DATA DELIVERABLES (POST PROCESSED DATA)

(i) Real time data transmission to surface.

(ii) Rust log print of memory data within 24 hrs of memory data collection.

(iii) Post processing of data with detailed report should include.

(iv) Determination of total and effective porosity, capillary, bound and free fluid volume, pore size distribution, permeability estimation.

(v) Hydrocarbon typing and quantification.

(vi) Continuous saturation profiling.

(vii) All answer products relevant to acquisition mode, such as saturation profiling, high resolution processing, T1-T2 profiling, fluid characterization and multi-depth magnetic resonance output.

(viii) The Post-processed detailed logs/report should be submitted within 72hours of acquisition to OIL's G&G team.

## 2.7 DRILLING JARS SERVICES

The Contractor shall confirm to provide Hydro-mechanical/Hydraulic Drilling jars to withstand the rugged abuse and demanding application with up/down stroke mechanism, minimum stroke length as per requirement of OIL for (17½", 12¼", 8½" & 6" hole sizes).

### 2.7.1 DRILLING JAR (SPECIFICATION)

### 2.7.2 Specifications are given in Annexure (E)

The Service provider has to provide drilling Jar as per the specification given below.

(i) Temp rating: 120° C or more

(ii) Pressure rating: 18000 PSI or more

(iii) Double Acting Jar of hydraulic or hydro-mechanical from approved list

(iv) Size: 8", 6¼"/6½"/6¾" & 4¾"

(v) Length (Maximum): 30 feet (± 3 feet)

(vi) Tool Joint: 6⅝" Reg, 4½" IF & 3½" IF

(vii) Additional Specifications (As per Annexure E)

## 2.8 APPROVED LIST FOR TOOLS / EQUIPMENT & SERVICES

The Contractor should provide Tools / Equipment & Services (mentioned above) from the approved list as shown in the table below:

**TABLE NO. (4): LIST OF APPROVED MANUFACTURERS**

| Sl No | MUD MOTOR | RSS | JAR |
|---|---|---|---|
| a | Schlumberger | Schlumberger | Schlumberger |
| b | Halliburton | Halliburton | Halliburton |
| c | Weatherford | Weatherford | Weatherford |
| d | Baker Hughes | Baker Hughes | Bowen |
| e | National Oil Well Varco | -- | National Oil Well Varco (Grffith) |
| f | -- | -- | Houston Engineers |
| g | -- | -- | ITS |

## 2.9 STRING STABILIZER (IN TABULAR FORM)

**TABLE NO. (5): STRING STABILIZER (MINIMUM REQUIREMENT)**

| Sl. No. | Hole Size | Stabilizer Gauge | Connection | Fish Neck (OD) | ID | QTY |
|---|---|---|---|---|---|---|
| 1 | 17½" | 17¼" | 6⅝" API Reg box-pin | 8"-9⅝" | $2^{13}/_{16}$ "/ 3" | 01 |
| 2 | | 17" | 6⅝" API Reg box-pin | | | 01 |
| 3 | 12¼" | 12" | 6⅝" API Reg box-pin | 7¾" / 8" | $2^{13}/_{16}$ "/ 3" | 01 |
| 4 | | 11¾" | 6⅝" API Reg box-pin | | | 01 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 5 | 8½″ | 8″ | 4” IF /4½” IF box-pin | 6½”/ 6¾” | 2½″ | 01 |
| 6 | | 7¾″ | 4” IF /4½” IF box-pin | 6½”/ 6¾” | 2½″ | 01 |
| 7 | 6″ | 5¾” | 3½” IF box-pin | 4¾” | 2¼″ | 01 |
| 8 | | 5½” | 3½” IF box-pin | 4¾” | 2¼″ | 01 |

**NOTE**:

1. All the above stabilizers must be 3/4 slight spirals or straight integral and sufficient blade length of double tapered at both leading and trailing ends. Stabilizers should have sufficient opening / annular clearance / sufficient Junk slot area with taper blade on stabilizer body.

2. Above stabilizers may be used independently for making rotary assemblies for drilling/ cleanout trips if required.

3. No additional payment will be made for stabilizers provided by the service provider.

## 2.10 TOOLS AND EQUIPMENT

List of tools/Equipment and Services under the package are as per contract are tabulated below**:**

**TABLE NO. (6): LIST OF TOOLS/EQUIPMENT AND SERVICES AS PER CONTRACT**

| Sl. No. | Description of Tools & Equipment | No of Tools per Set | | No of Set | Total no of Tools & Equip |
|---|---|---|---|---|---|
| | | Main | Backup | | |
| **1.0** | **17½″ Hole Section Tools & Equipment-Regular basis** | | | **2** | -- |
| 1.1 | RSS | 1 | 1 | **2** | 4 |
| 1.2 | SDMM with Stabilizers & Accessories | 1 | 1 | **2** | 4 |
| 1.3 | MWD with Directional and Gamma Ray | 1 | 1 | **2** | 4 |

| TABLE NO. (6): LIST OF TOOLS/EQUIPMENT AND SERVICES AS PER CONTRACT | | | | | |
|---|---|---|---|---|---|
| **Sl. No.** | **Description of Tools & Equipment** | **No of Tools per Set** | | **No of Set** | **Total no of Tools & Equip** |
| | | **Main** | **Backup** | | |
| 1.4 | Drilling Jar (8” size) | 1 | 1 | **2** | 4 |
| 1.5 | MWD/LWD Surface Unit | 1 | 0 | **2** | 2 |
| | | | | | |
| **2.0** | **12¼ ″ Hole Section Tools & Equipment-Regular basis** | | | **2** | - |
| 2.1 | RSS | 1 | 1 | **2** | 4 |
| 2.2 | SDMM with Stabilizers & Accessories | 1 | 1 | **2** | 4 |
| 2.3 | MWD with Directional and Gamma Ray | 1 | 1 | **2** | 4 |
| 2.4 | Annulus Pressure & Temperature while drilling | 1 | 1 | **2** | 4 |
| 2.5 | Resistivity (Induction Type) | 1 | 1 | **2** | 4 |
| 2.6 | Drilling Jar (6.1/4” or 6.1/2” or 6.3/4” sizes) **(Common for both 12.25 ″ & 8.5 ″ section)** | 1 | 1 | **2** | 4 |
| | | | | | |
| | | | | | |
| **3.0** | **8½” Hole Section Tools & Equipment-Regular basis** | | | **2** | **--** |
| 3.1 | RSS | 1 | 1 | **2** | 4 |
| 3.2 | SDMM with Stabilizers & Accessories | 1 | 1 | **2** | 4 |
| 3.3 | MWD with Directional and Gamma ray | 1 | 1 | **2** | 4 |

| TABLE NO. (6): LIST OF TOOLS/EQUIPMENT AND SERVICES AS PER CONTRACT | | | | | |
|---|---|---|---|---|---|
| **Sl. No.** | **Description of Tools & Equipment** | **No of Tools per Set** | | **No of Set** | **Total no of Tools & Equip** |
| | | **Main** | **Backup** | | |
| 3.4 | Annulus Pressure & Temperature while drilling | 1 | 1 | **2** | 4 |
| 3.5 | Resistivity (Induction Type) | 1 | 1 | **2** | 4 |
| 3.6 | Neutron Porosity -Azimuthal Density with imaging and calliper | 1 | 1 | 2 | 4 |
| 3.7 | Drilling Jar (6¼″ or 6½″ or 6¾" sizes) **(Common for both 12.25", & 8.5" section)** | 0 | 0 | 0 | 0 |
| | | | | | |
| 4.0 | **6" Hole Section Tools & Equipment-Call Out basis** | | | | |
| 4.1 | RSS | 1 | 1 | 1 | 2 |
| 4.2 | SDMM with Stabilizers & Accessories | 1 | 1 | 1 | 2 |
| 4.3 | MWD with Directional and Gamma Ray | 1 | 1 | 1 | 2 |
| 4.4 | Annulus Pressure & Temperature while drilling | 1 | 1 | 1 | 2 |
| 4.5 | Resistivity (Induction Type) | 1 | 1 | 1 | 2 |
| 4.6 | Neutron Porosity, Azimuthal Density with imaging and calliper | 1 | 1 | 1 | 2 |
| 4.7 | Drilling Jar (4.3/4" size) | 1 | 1 | 1 | 2 |
| 4.8 | FPWD (Call out) | 1 | 1 | 1 | 2 |

**NOTE:** The tools used in one section can also be used in other sections as long as they are run within their mechanical and measurement specifications and considered to be technically suitable. Bidder to intimate **with an undertaking**

about such compatibility and multiple use of same tool (with minor modification if any) prior to mobilization with due approval from OIL's representatives alongwith **a technical comparison sheet alongwith modification if required**.

## 2.11 SPECIFICATION OF RSS FOR 12¼", 8½"AND 6" HOLE (AS PER ANNEXURE 0)

**TABLE NO. (7): SPECIFICATION OF RSS SUITABLE FOR DRILLING SPECIFIED HOLE**

| Sl. No. | FEATURES | OIL'S REQUIREMENT | | | |
|---|---|---|---|---|---|
| | | **17 ½"** | **12¼ "** | **8½"** | **6"** |
| 1 | Flow Range in GPM | Min. Flow Rate: 600 GPM | Min. Flow Rate: 600 GPM | Min. Flow Rate: 350 GPM | Min flow rate: 150 GPM |
| 2 | | Max. Flow Rate: 1000 GPM or more. | Max. Flow Rate: 1000 GPM or more. | Max. Flow Rate: 600 GPM or more. | Max flow rate: 350 GPM or more |
| 3 | Nominal OD | 8.0" to 9.625" | 8.0" to 9.625" | 6.¾" / 6.½" | 5" or less |
| 4 | Near Bit Inclination | 5 M or less | 5 M or less | 4 M or less | 3 M or less |
| 5 | Azimuthal Gamma measurement from bit | 6 M or less | 6 M or less | 6 M or less | 9M or less |
| 6 | Max Operating Temp. | 120° C or more | 120° C or more | 120° C or more | 120° C or more |
| 7 | Max Operating Pressure (Psi) | 18000 PSI or more | 18000 PSI or more | 18000 PSI or more | 18000 PSI or more |
| 8 | Type of Connection | 6⅝" API Regular Box down and 6⅝" API Reg. Box Up. Or any other proprietary | 6⅝" API Regular Box down and 6⅝" API Reg. Box Up. Or any other proprietary | 4.½" API Reg Box down and 4.½" API IF Box Up Or any other proprietary connection of the bidder for | 3.1/2" API Reg Box down and 3.1/2" API IF Box or any other proprietary connection |

| | | | | | |
|---|---|---|---|---|---|
| | | connection of the bidder for their entire BHA. | connection of the bidder for their entire BHA. | their entire BHA. | of the Contractor for their entire BHA. |
| 9 | Lifting Sub | 6⅝" API Reg. | 6⅝" API Reg. | 4.½" API IF | 3.1/2" API IF |
| 10 | DLS Maximum Achievable | 5° / 30M or more. | 5° / 30M or more. | 5° / 30M or more. | 8° / 30 M or more |
| 11 | Min. Circulating Hrs. | **250** or more. | **250** or more. | **250** or more. | **250** or more |
| 12 | Lost Circulation Material (Max Size & Concentration) | 40 ppb or more of medium to fine nut. | 40 ppb or more of medium to fine nut. | 40 ppb or more of medium to fine nut. | 40 ppb or more of medium to fine nut |
| 13 | Manufacturer / Model | From the manufacturers as specified in NIT. Model Quoted Should be Latest and Best in Class. | | | |

## 2.12 NOTE TO SPECIFICATION OF RSS SUITABLE FOR DRILLING 17 ½", 12¼", 8½" AND 6" HOLE.

(a) Should be capable of kick off from any section as per OIL's plan.

(b) System should be capable of building, holding, and dropping well angle and should be capable of simultaneously changing azimuth in continuously rotating for optimum drilling performance and have capability for back reaming, if required.

(c) System should have features of automated close loop deviation control system (i.e., it should have automated directional and inclinational hold control)

(d) System should have two-way communication system i.e., real time up link and down link facility for data transmission and for sending command to the bottom hole tools with mud pulse telemetry.

(e) Type of down linking facility to be provided by bidder either by a separate skid mounted unit or by flow rate change of mud pumps.

(f) Match on sub have to be provided by the bidder in case of proprietary connection for fishing and other job along with the lifting sub. In case of non-standard tubular, bidder has to provide overshoot tool for fishing job.

(g) In case of proprietary connection, all cross over sub have to be provided by the bidder to match OIL's string.

(h) All stabilizers must be 3/4 slight spirals/straight slight spirals integral and sufficient bladed length of double tapered at both leading and trailing ends and should have sufficient opening / annular clearance with taper blade on stabilizer body.

(i) System should be able to drill cement, float collar, float shoe and formation. However, any failure on bottom within 24 Hrs from start of cement cleaning, float collar & Shoe will not be attributable to the Contractor.

(j) Additional features/information (if any) is to be provided by the bidder.

## 2.13 GENERAL NOTE: DIRECTIONAL SERVICE (APPLICABLE FOR ALL ABOVE)

(a) Oil at its discretion may decide to run only the directional MWD module devoid of any other LWD tools on the basis of hole complexity. In this regard, Service provider should provide independent Directional module. If the directional module of the Service provider is a combination with any other tool, OIL is not liable to pay any downhole operating rates for the other tools. Also, in case of Lost in hole condition, the Service provider will not be eligible for claiming any re-imbursement with regards to any other tool apart from the directional/MWD module (Price of MWD module should be quoted separately in **(Proforma-A**).

(b) Payment will be made only for the running set of directional tools which will be considered to be on **ACTIVE** mode and no payment will be applicable for the remaining **UNACTIVATED** sets. Once the directional service for any particular hole size is put under service at the location, standby/operating rates will be applicable only for that particular set as per T&C of the contract.

(c) Without back up of tools/equipment in working condition, under this condition – the moment any tool failure is detected in operation, immediately zero rate will be applicable as defined in **Clause No. C (xii), (xiii) & (xiv**) under schedule of rates. Additionally, for tools other than MWD & LWD penalty @ 100% of Operating rate of the faulty tool(s) will be levied from the waiting period at surface till the replacement/back up tool(s) is available at site.

For MWD tools: penalty @ 100% of Operating rate of the faulty tool(s) will be levied from the waiting period at surface till the replacement/back up tool(s) is available at site. During the above-mentioned waiting period, the charges for MWD Surface unit will be reduced to zero rate till a backup tool is made available at site. However, if any other LWD tool could be run devoid of the MWD tool, only operating rate for the Surface unit will be paid during LWD operating period.

(d) Contractor shall provide RSS, SDMM, Directional tools based on positive mud pulse telemetry with MTBF (Meantime Between Failure) exceeding 1000 hrs (Confirm that MTBF certificate from TPI will be submitted before mobilization). However, in case of brand new (Un-used) LWD/MWD tool proposed to be deployed by the Contractor against this contract, the MTBF certificate is not required.

(e) Contractors to note that Company (OIL) at its discretion shall have the right to use the tool/tools as per the requirement of OIL. **However, the sets within the package will not be split and use in different locations and will be moved as single entity only all the time.**

(f) **Contractor can utilize the same set of Jars mobilized under 12.25" hole section in 8.5" hole section. However, the contractor should ensure that the tools utilized are well within the requisite permissible circulating hours.**

**NOTE:** The tools used in one section can also be used in other sections as long as they are run within their mechanical and measurement specifications and considered to be technically suitable. Bidder to intimate with an undertaking about such compatibility and multiple use of same tool (with minor modification if any) prior to mobilization with due approval from OIL's representatives alongwith a technical comparison sheet alongwith modification if required.

## 2.14 SUMMARY OF DELIVERABLE [Specifications are given in Table No-8 of this section]

**TABLE NO. (8): SUMMARY OF DELIVERABLE**

| Sl. No. | Equipment/ Services | Real Time Output | Recorded mode Output after each round trip | Processed Output (after completion of a hole section) |
|---|---|---|---|---|
| 1 | MWD/LWD Surface Unit | | | |
| 1.2 | Delivery time | Real-Time while Drilling /Tripping | Within 24 hrs of round trip | Within 3 days of completion of Hole Section |
| 1.2 | Deliverables | • RT Log Prints in Morning and Evening to concerned OIL Representatives (1:200 & 1:500 TVD and MD) (Through mail) | • Rush Print Recorded Mode Log Prints to OIL Representatives. (1:200 & 1:500 TVD | • Detailed Well Section report on Logging BHA design, Bit details, parameters maintained with brief section summary<br>• QC'd Recorded Mode Log Prints 2 Copies |

| TABLE NO. (8): SUMMARY OF DELIVERABLE | | | | |
|---|---|---|---|---|
| **Sl. No.** | **Equipment/ Services** | **Real Time Output** | **Recorded mode Output after each round trip** | **Processed Output (after completion of a hole section)** |
| | | | and MD) (1Copy each) | each to concerned OIL representatives.<br>• Services of: 1:1000 MD Log 1:200 & 1:500 TVD and MD.<br>• LAS/ DLIS and PDS/PDF format.<br>• 2 x DVD containing Section Archive |
| 2 | Data transmissio n system | Real time logging data transmission from Surface Unit to Client office in Town as per SOW | NIL | NIL |
| 3 | Directional, GR, Resistivity (Induction type) | • Average GR–0-250 API.<br>• Phase Shift resistivity– Minimum 3 Curves.<br>• Attenuation Resistivity – Minimum 1 Curve (Resistivity Curves to be transmitted after prior discussion with Company).<br>• MWD Surveys Tool Face Continuous | • Average GR – 0 -250 API.<br>• Phase Shift resistivity- Minimum 4 Curves.<br>• Attenuation Resistivity – Minimum 4 Curves.<br>• Time after Bit Sliding Indicator.<br>• All resistivity curves should be borehole compensated | • QC'd Recorded Mode Log prints.<br>• Composite Log Prints.<br>• Minimum 2 or more depth of investigation.<br>• Time after Bit sliding indicator.<br>• Survey report Excel sheet.<br>• All raw channels also required to carry out independent environment correct-ions on GR and Resistivity should also be provided. |

| TABLE NO. (8): SUMMARY OF DELIVERABLE | | | | |
|---|---|---|---|---|
| **Sl. No.** | **Equipment/ Services** | **Real Time Output** | **Recorded mode Output after each round trip** | **Processed Output (after completion of a hole section)** |
| | | Inclination and Azimuth while sliding and rotating.<br>• Collar RPM (can also be provided from another tool).<br>• Real-time data at 2 data points/ft or better.<br>• Real time vibration log data. | and environmentally corrected.<br>• Survey Report – Excel Sheet | • All data to be submitted both in hardcopy as well as in DVD mode to concerned OIL representatives. |
| 4 | Neutron, Azimuthal Density with imaging & Calliper | • Quadrant Density Minimum Top and Bottom Density transmitted in real-time("bottom" density in case of a deviated borehole).<br>• Quadrant Density Correction.<br>• Calliper (Ultrasonic/Density).<br>• PEF –0- 10. | • Field Deliverable recorded mode data consisting of the following:-<br>• Quadrant Density.<br>• Quadrant Density Correction.<br>• Calliper (Ultrasonic/Density).<br>• PEF –0-10.<br>• Thermal Neutron | • QC'ed Recorded mode Data:-<br>• Composite report.<br>• Quadrant Density.<br>• Quadrant Density Correction.<br>• Caliper (Ultrasonic/Density)<br>• PEF – 0- 10.<br>• Thermal Neutron Porosity - environmentally corrected log curves on-depth. |

| TABLE NO. (8): SUMMARY OF DELIVERABLE | | | | |
|---|---|---|---|---|
| **Sl. No.** | **Equipment/ Services** | **Real Time Output** | **Recorded mode Output after each round trip** | **Processed Output (after completion of a hole section)** |
| | | • Thermal Neutron Porosity-environmentally-corrected log curves on-depth.<br>• 16 Sector Density Image.<br>• Real-time data at 2 data points/ft or better. | Porosity-environmentally corrected log curves on-depth.<br>• Time after Bit Sliding indicator.<br>• 16 Sector Static Density Image. | • Time after Bit Sliding indicator.<br>• 16 Sector Static Density Image.<br>• QC'ed Image Derived Density: Density of the sector where tool is in contract with the borehole, should be provided.<br>• All raw channels also required to carry out independent environmental corrections on Density and Neutron should also be provided.<br>• All raw Channels required to create Density Image independently should also be provided.<br>• Raw Near and far Counts Corrected near and far counts of neutron should also be provided.<br>• One copy of LAS/DLIS is also to be provided. |
| 5 | Annulus Pressure and Annulus | • ECD | • Drilling Mechanics Log of ECD, MW, Annulus | • Drilling Mechanics Log of ECD, MW, Annulus Pressure and Temperature |

| TABLE NO. (8): SUMMARY OF DELIVERABLE | | | | |
|---|---|---|---|---|
| **Sl. No.** | **Equipment/ Services** | **Real Time Output** | **Recorded mode Output after each round trip** | **Processed Output (after completion of a hole section)** |
| | Temp While Drilling | • Annulus Pressure.<br>• Annulus Temperature.<br>• RT time-based log of Annulus Pressure and temperature along with other drilling parameters | Pressure and Temperature along with other drilling parameters | along with other drilling parameters. |
| 6 | Formation Pressure While Drilling | • Pressure Vs Time Profile – RT.<br>• Pressure vs Depth Plot –RT.<br>• Pretest Results: Pressure, Mobility.<br>• Summary of all the tests in Excel Sheet. | • Pressure Vs Time Profile – Recorded Mode.<br>• Pressure vs Depth Plot - Recorded Mode.<br>• QC'ed Pretest Results: Pressure, Mobility and QC components.<br>• Summary of all the tests in Excel Sheet. | Composite Report of all hole sections consisting of :-<br>• Pressure Vs Time Profile –Recorded Mode.<br>• Pressure vs Depth Plot - Recorded Mode.<br>• QC'ed Pretest Results: Pressure, Mobility and QC components.<br>• Excel Sheet Summary of all the tests.<br>• Interpretation Report with Pressure Gradient, Mobility |

**NOTE:**

(i) All x-over subs required for connection contractor's string to operator's drill string is to be provided and furnished by the CONTRACTOR.

(ii) In case the contractor provides retrievable RA sources, assembly should have the suitable ID to retrieve the sources if any.

(iii) Additional features/information (if any) is to be provided by the bidder.

## 2.15 HR DEPLOYMENT: PERSONNEL

**GENERAL**

(i) The Contractor will have to submit the Biodata of personnel proposed to be deployed prior to deployment for OIL's approval as per Annexure: Q. The following documents should accompany the Bio Data for approval.

(a) Educational Qualification certificate

(b) Appointment / approval letters from the last Operator.

(c) Proof of Work experience as per contract

(d) Valid Police Verification Certificate

(ii) MWD and Directional Driller should be a employee of the Contractor (i.e., Bidder). Bidder to confirm the same.

(iii) Company reserves the right to instruct for removal of any Service provider's personnel who in the opinion of Company is technically not competent or not rendering the services faithfully, or due to other reasons. The replacement of such personnel will also be fully at cost of the Service provider and the Service provider shall have to replace this/these personnel within Ten (10) days of such instruction. The replacement personnel must have the requisite qualification and experience as indicated in the contract and their credentials along with recent photographs must be submitted to Company for approval prior to their engagement.

(iv) In case, the personnel are newly recruited in the organization, at least 02(Two) no. of personnel reference with email id, Mobile no. etc. of the previous employer to be provided in the CV for his previous experience.

(v) Movement of the contractor personnel to & from well site will be under contractor's responsibility. Contractor to arrange for fooding and lodging bunk house for its personnel at well site with no extra cost to the company.

(vi) If Contractor deploys more personnel towards performance of any specific job at well site during the currency of the contract, Company will not pay for such additional manpower.

(vii) The educational qualification & experience criteria of deployed personnel are mentioned in **Table No 14**:

(viii) All charges for personnel are included in Tool Operating & Stand by charges. No. separate charges shall be payable for the personnel being deployed.

(ix) The educational qualification & experience criteria of deployed personnel are mentioned in **Table No. 9** below:

**TABLE-9: HR DEPLOYMENT (IDS CO-ORDINATOR)**

| Sl.No. | Name of position | Educational Qualification | Experience & Certification | Stationed | Working Hours | OFF as per Note | Total (excluding off) |
|---|---|---|---|---|---|---|---|
| 1 | **MWD & LWD ENGINEERS** | Graduate Engineer / M. Sc. (Geology/ Petroleum Geology) / Diploma Engineer from AICTE recognised institute / Govt. recognized University | (i) Should be of sound health and must be fluent in written and spoken English.<br>(ii) Should have an overall experience of at least 04 years for Graduate Engineer / 06 years for M. Sc. (Geology/ Petroleum Geology) / 10 years for Diploma Engineer in relevant Field.<br>(iii) LWD/MWD engineers should have the competency for handling & supervision of radioactive tools with relevant competency certificate at the time of approval to OIL in this regard. | At respective well site | (12 hours shift duty) | Off as per Note | 02 per package |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | **Directional Driller** | Graduate Engineer / MSc / Diploma Engineer from AICTE recognised institute / Govt. recognized University | (i) Should be of sound health and must be fluent in written & spoken English.<br><br>(ii) Should have an overall experience of at least 04 years for Graduate Engineer / 06 years for MSc / 10 years for Diploma Engineer in relevant Field.<br><br>(iii) Directional Drillers should be able to execute the job of high angle-high displacement/sidetrack wells or any other well from kick off to target on continuous basis. They should have complete knowledge of the job from planning to execution along with associated calculations and decision making so that they can perform the job independently. However, in case of operational problems, OIL's decision will be final. | At respective well site | (12 hours shift duty) | Off as per Note | 02 per package |

**NOTE**:

1. "OFF & ON" pattern of personnel deployed at well site shall be guided as per DGMS Circular SO1658 (E) date 30th June 2014 with fulfilling all its conditions. **Bidder to confirm the same.**

2. The Maximum age limit for the field level DD & MWD Engineers should not exceed 55 yrs. as on date of approval.

### 2.15.1 COMPETENT OFFICIALS AND COMPETENT PERSON

All the officials and employees) deployed as per "TABLE (9): HR DEPLOYMENT" shall be treated as competent officials and persons as per Regulations (21) Appointment of officials and competent persons and shall perform duty as Regulation (26) Duty of persons employed in mine and Regulation (33) Duty of competent person of OMR, 2017 in addition to other assigned jobs as per the contract.

### 2.15.2 JOB SPECIFICATION AND JOB RESPONSIBILTY

The basic Job specification and responsibility are defined as below but not limited, additional responsibilities may be assigned if it is warrant for the safety of personnel/equipment and smooth functioning of the operations under the contract.

### 2.15.3 MWD & LWD ENGINEERS

(i) **CATEGORY**

Competent official as described in regulation (21), i.e., Appointment of officials and competent persons.

(ii) **JOB SPECIFICATION**

He makes use of the Logging while drilling tools as well as the Measurement while drilling system. LWD/MWD Engineer must be able to lift the MWD tool, safely rig in and operate the equipment, perform day-to-day inspections, servicing, and maintenance of equipment, and complete all required paperwork accurately and on time as per contractual commitment. Under general supervision, provides on-site supervision of the Logging- While-Drilling (LWD) process, including tool preparations, data acquisition, log generation and Quality Control (QC) and delivery of the services to the customer. Serves as the lead engineer on most jobs. Ensures that all data presented to the customer is accurate, timely and meets the highest service quality standard possible.

(iii) **JOB RESPONSIBILTY**

He shall be responsible to:

(a) Prepare written Logging plan and program, timely delivery of quality data as per SOW.

(b) Ensure timely rig up/rig down of the LWD/MWD surface unit and other relevant sensors.

(c) Run, maintain and manage the LWD/MWD tools and unit, prepare daily morning reports of all the major operations related to drilling, real time observations and annotation of markers as defined by Company Geologist.

(d) Evaluate LWD/MWD to be used for the different drilling processes as advice by OIL.

(e) Provide support in terms of the technical details of the materials to be used in the system.

(f) Prepare documents for transportation of LWD/MWD equipment on vehicles in accordance with applicable statute.

(g) Assemble LWD/MWD tools as part of the bottom hole assembly (BHA) and Ensures BHA's are assembled as planned, including correct make-up torque, doping and handling.

(h) Interface with the Directional Driller (DD) to ensure BHA compatibility, planned operating parameters are within specification and correct tool face references are applied.

(i) Identify, prevent and report potential hazards and take par all HSE related activities organise in site including Mock drills, Toolbox Talk and Job Safety Analysis.

(j) Conduct post-operations tests once equipment is pulled out of the wellbore and pre operations test before run in.

(k) Exercise judgment to determine the appropriate action at the well site when performing well site surveys, monitoring well sensors, identifies, and corrects operational problems to prevent or minimize service impact.

(l) Recognize& plans the operational status of field equipment at the well site and maintaining it when appropriate.

(m) Prepare of LWD/MWD tools, assembling testing and calibration of the LWD/MWD Tools and verification of OIL’s requirements.

(n) Analyses and interpretation of well site data; and disassembles of tools in safe manner; record operational data and complete job relevant documentation to include field ticket; daily report and equipment performance report.

(o) Manage the LWD/MWD equipment inventory and supervise equipment transport to and from work site.

(p) Comply with all safety rules and company policies.

(q) Evaluate LWD/MWD equipment and recommend necessary repairs or maintenances.

(r) Maintain database for recording all activities of on-going work.

(s) Responsible for safe handling of radioactive materials inside the well site.

(t) Develop daily work reports/ service tickets and accurately completes all required forms, databases, and reports.

### 2.15.4 DIRECTIONAL DRILLER

(i) **CATEGORY**

Competent official as described in regulation (21), i.e., Appointment of officials and competent persons.

(ii) **JOB SPECIFICATION**

Directional Drillers should be involved in planning, execution, and management of all phases of any directional drilling job to assist in delivering services under the contract.

(iii) **JOB RESPONSIBILTY**

He is responsible for:

(a) Close liaison with OIL Engineers on the Rig/base.

(b) Assisting OIL technically during round trip and clean out trips after completion of sectional TD.

(c) Implement all directional drilling plans and procedures according to company plan and ensure compliance to its objectives.

(d) Manage all well bore path and perform survey to compute and monitor all rate of penetration and maintain an efficient list of all directional tools and perform survey on all equipment.

(e) Administer all directional operations and analyze performance of all drilling procedures and assist all client representatives to resolve all issues and monitor job progress and maintain records of all data and prepare required documentation.

(f) Adherence to company policies with respect to the conduct of directional drilling and surveying operations

(g) Becoming thoroughly familiar with the Well Programme and the requirements relating to the directional operations contained therein.

(h) Checking the accuracy and completeness of the prognosed well plots prior to the commencement of drilling operations.

(i) Ensuring the rig site inventory meets the programme requirements and liaising with the Drilling Supervisor to ensure future requirements are available in good time.

(j) Providing standard daily reports to the Rig In-charge, Shift In-charge, company representative, OIL's directional team and as advise by OIL comprising a summary of drilling activity, the drilling assembly in use, drilling parameters, survey data, equipment requirements, proposed BHA's and recommendations for operations optimization.

(k) Directly supervising the Driller in the application of drilling parameters and practice to ensure smooth directional control over the well.

(l) Maintaining up-to-date survey calculations and projections and working to maintain the well path within the tolerances as specified in the Drilling Programme.

(m) Providing BHA design, supervision and maintenance expertise and ensuring that all recommended BHA designs are suitable with respect to Survey Programme requirements.

(n) Maintaining records of drilling parameters and BHA performance during drilling operations to facilitate analysis at the well review stage.

(o) Supervising hole opening, reaming, and tripping operations to monitor hole conditions and prevent unintended side-tracking of the well.

(p) Maintaining up-to-date records on all directional equipment on-board to ensure timely return for re-inspections, redress, or over-haul.

(q) He will supervise make up/break of bit and nozzles as per the advice of Company or IDS coordinator.

(r) He will assist IDS coordinator to monitor bit inventory and plan look ahead.

(s) He will record bit performance in drilling in a standard format prepared by the contractor and approved by OIL.

(t) He interfaces with the Directional Driller (DD) to ensure BHA compatibility, planned operating parameters to optimize the bit performance.

## 2.16 ELECTRICAL REQUIREMENT: POWER FOR THE UNIT

### 2.16.1 OIL's Responsibility

(i) OIL shall supply electrical power to the unit.

### 2.16.2 Service provider's Responsibility

(i) All arrangements, including cables, suitable plug & sockets etc. suitable electrical earthing stripe to receive the power from OIL's supply point are the

responsibility of Service provider. Service provider shall match this power receiving equipment to OIL's existing equipment.

(ii) One commissioning record register should be maintained to record the details of commissioning report.

(iii) Electrical test certificate for both workstation and accommodation bunk house should be provided at the time of power up at the well site.

## 2.17 CIVIL ENGINEERING REQUIREMENT

Civil Engineering of OIL will provide necessary support to place the units and bunks.

## 2.18 TRANSPORTATION

### 2.18.1 OIL'S RESPONSIBILITY

Requirements of crane(s), during installation/dismantling & inter-location movements shall be provided by the Company. Any additional requirement of crane(s) arising out of operational requirement under the contract, as decided by Company, shall also be provided by the Company.

### 2.18.2 SERVICE PROVIDERS RESPONSIBILITY

Transportation of Service provider's personnel & spares from camp site/ base to drill site and vice-versa shall be the responsibility of the Service provider.

## 2.19 PAINTING AND LABEL

(a) The entire unit/bunks shall be painted with superior quality anti-corrosive good quality paint at the time of mobilization.

(b) Surface equipment/ instrument and bunk houses are to be labelled legible indicating item name, manufacturer name, minimum technical specification etc. for easy identification.

## 2.20 INSPECTION/AUDIT

Service provider shall cooperate during any inspection/audit conducted by external agency and OIL’s officials. Preferably, IDS Coordinator/Base Manager/Base Coordinator should be present during such inspection/audit.

## 2.21 HIRING OF OPTIONAL / ADDITIONAL SETS OF TOOLS/EQUIPMENT & SERVICES:

**2.21.1** During the currency of the contract OIL may decide to hire one additional IDS set having same or part of the services, tool(s), equipment along with personnel

as mentioned in SoW and as per requirement under the same terms and conditions stipulated in this tender/ contract and with mutually agreed rates not higher than the originally quoted rate. For mobilization of Tool / Equipment/ Consumable/Personnel will be as per "Special Conditions of the Contract" in **Section-II, Clause No. 2.0.**

## 2.22 SUBMISSION OF DOCUMENTS

Documents as described in GCC/SoW/SOR/SCC shall be submitted by the Service provider as indicated.

## 2.23 ORGANISATIONAL STRUCTURE

Service provider shall provide the organizational structure for executing the project. Composition of the team & number of personnel will be reviewed by OIL and modified as per requirement.

## 2.24 COMMUNICATION PLAN:

(i) All the competent personnel including officials are answerable to Manager of Mines Manager as per Regulations 21 of OMR, 2017.

(ii) Reporting in case of rigs operated by OIL's manpower is to Directional Section of OIL, shift in-charge or Installation Manager or as advised by OIL.

(iii) Reporting in case of rigs operated by Man Management Crew is to Directional Section of OIL, Tool pusher or Installation Manager or as advised by OIL.

(iv) For emergency situation/incident reporting OIL's Emergency Response Plan (ERP) and Incident reporting guideline to be followed.

(v) Personnel deployed under the contract shall be in constant touch with SIC / Tool pusher /NTP for proper communication and information flow irrespective of day shift/holidays/night shift and as advised by OIL.

## 2.25 PROGRESS REPORTS

The Service provider should provide daily progress report as per the format approved by OIL along with real time log as per the data deliverables mentioned in the scope of work.

## 2.26 END OF WELL REPORT

After completion of each well two no. of end of well report to be submitted in both soft and hard form. Sample of the format shall be approved by OIL. The end of well should consist of following in detail with tables/ graphs/images as applicable:

(a) General Information of well and GTO information

(b) Standard Plan and Anti-collision summary report

(c) Job Summary

(d) Directional Drilling Record

(e) BHA Report

(f) Torque and Drag Analysis report

(g) Bit Performance Report with analysis, MLU records, any other logs applicable for the purpose of bit evaluations, bit technical as available, including images of new bit and pulled out of bit legibly depicting the conditions.

(h) Definitive Survey

(i) MWD Data

(j) LWD Data

(k) Problem encountered and action taken

(l) Lesson learned.

**2.27 ACCOMMODATION/LODGING/TRAVEL:**

Accommodation of the Service provider's crew at Base/ well site along with day-to-day fooding and travelling will have to be arranged by the Service provider with no additional cost to the company.

## A.3.0 MUD ENGINEERING SERVICES

The Contractor is required to provide Mud Engineering service in totality for various well profiles like S-Bend, J-Bend, Horizontal, with their tools & equipment including supply of all requisite chemicals, additives, laboratory testing facility and manpower under the contract.

**1.0 SCOPE OF WORK FOR MUD SERVICES**:

Providing Mud Engineering Services in different phase of Drilling, e.g.,12¼" 8½" and 6" including borehole enlargement in any sections in the above-mentioned hole sizes or arising due to well design. However, Contractors to note that Company (OIL) at its discretion shall have the right to use the mud system as per the requirement of OIL of the service for a particular section independently at any point of time during the course of the contract using different tool/tools

under different contract hired by company, depending on its requirement as decided by Company.

**1.1** Deleted

**1.2 SERVICE REQUIRMENT**

(a) The Wells in this contract shall be drilled using stated drilling fluids system.

(b) Bidder shall provide all the required mud testing equipment for testing of drilling fluid as per requirement of the well.

(c) Bidder shall provide round the clock the Mud Engineering services by employing two site Mud Engineers at a time one each of 12 hours shift.

(d) Recording, documentation, mud program, complication report and drilling fluid recap of the well.

(e) Bidder shall provide all technical literatures, hydraulic, surges, swap etc. and all other drilling fluid related calculations and detail mud history and mud programs.

(f) Bidder shall provide at the rig site, software of daily mud report, mud recaps, hydraulic and hole cleaning optimization in real time.

(g) Bidder may be required to collect various HSE related drilling fluid samples, drill Cuttings, effluent drill and wastewater samples as per requirement of the Environment Regulations of OIL.

(h) Depending upon the given Geological data, Bidder shall design phase-wise mud program, including mud weights, detailed mud formulation, chemical used and recommended doses, total volume usage for each hole section.

(i) Bidder shall submit detailed mud program for each section of hole, well in advance.

(j) Bidder shall also plan for treatment of cement contamination, caving, hole pack off, differential sticking, Mud loss, H2S, hole erosion/ or any other bore hole problems.

(k) Bidder shall ensure that the mud system is environment friendly as per existing environmental laws.

(l) Bidder should have requisite facilities in India or abroad to provide necessary technical back up support for designing and troubleshooting of quoted mud system. The bidder should have requisite facilities for designing and optimizing rheological properties for the proposed drilling fluid systems at high pressure and high temperature. **The bidder shall confirm the same.**

(m) Selected bidder has to submit a toxicity (LC50>30000 mg/L) test report of all chemical additives/Proposed mud system prior to transfer of chemicals, or before commencement of operation. Contractor shall also perform the QC tests on mud samples and all mud related products on request.

(n) The bidder should have requisite facilities for designing and optimizing rheological properties for the proposed drilling fluid systems at high pressure and high temperature. **The bidder shall confirm the same.**

(o) Successful bidder shall carry out advanced laboratory studies for design and optimization of the mud systems by performing some tests including wellbore stabilization evaluation by Clay recovery in Clay dispersion test, Linear swell meter test etc. to optimize mud systems for progressive refinements as perceived from time to time. The successful bidder shall perform these tests of the mud system with the offered chemicals in accredited laboratory at their own cost and submit a report prior to the commencement of operation. The test results must be within the acceptable limit as indicated in the table. The contractor must perform these advanced tests once in a year with the samples collected from either well site or their warehouse and submit test report to OIL.

**TABLE-10: ACCEPTABLE LIMITS OF CLAY DISPERSION TEST, LINEAR SWELL METER TEST FOR WELLBORE STABILIZATION EVALUATION**

| SL NO | PARAMETERS | PERMISSIBLE RANGE |
|---|---|---|
| **A** | **CLAY DISPERSION TEST** | |
| 1 | Clay recovery in Clay dispersion test (after hot rolling at 120 deg± 2deg C for 15hrs), test to be conducted on 2% (w/v) compressed Bentonite pellets | 80% (minimum) with 60 ASTM sieve after drying temperature 100deg ± 2deg C for 12hrs |
| **B** | **LINEAR SWELL METER TEST (TEST TIME 07HRS)** | |
| 1 | Swelling (%) in water of Bentonite pellets (20 gm of dry pre dehydrated Bentonite at 100deg ± 2deg C in oven is to be taken in to compactor dish and apply pressure of 10000 psi for 30 min for making pallet | Disperse 100% |
| 2 | Swelling (%) of Bentonite pellet in sample mud | 12% maximum |

## 2.0 DELIVERABLES

(i) Supply of Chemicals, additives and mud testing equipment as indicated in the tender High Performance Mud as applicable except those provided by OIL

(ii) Providing Mud Engineer and lab equipment

(iii) Tentative designing of mud program.

(iv) Relevant technical back-up support of software and laboratory studies.

(v) Provision for mud chemical storage, logistical arrangement for transfer of chemicals & equipment

**Note:**

(i) Mud engineering services will be required from contractor in drilling the well from Kick-off point or as per the requirement of well design.

(ii) Company reserves the right to use the OIL's own mud engineering services drilling the top vertical section. However, the contractor shall be capable of providing Mud Engineering services in totality during the drilling of the wells in all sections on advice of OIL or as deemed fit by the design requirement.

(iii) The Contractor should be able to provide Mud Engineering Services in two Drilling wells simultaneously as per the requirement of OIL under each package of the Contract within this Integrated Drilling Services hiring for 21 wells.

## 3.0 SUPPLY OF ALL MUD CHEMICALS AND ADDITIVES EXCEPT THOSE PROVIDED BY OIL:

The bidder is required to supply the complete list of chemicals as per the following table (table-11).

**TABLE-11: CHEMICALS TO BE SUPPLIED BY THE BIDDER**

| SL NO | NAME OF CHEMICAL |
|---|---|
| 1 | Caustic Soda |
| 2 | CP Glycol |
| 3 | ROP enhancer |
| 4 | Encapsulating polymer |
| 5 | PAC-R |
| 6 | HP Fluid loss reducer |
| 7 | XCD |
| 8 | Biocide |
| 9 | CaCO3 (M) |
| 10 | CaCO3 (F) |
| 11 | Defoamer |
| 12 | Polyamine-Chloride free |

| | |
|---|---|
| 13 | Polymeric Sealing agent |
| 14 | HP Lubricant |
| 15 | Oxygen Scavenger |
| 16 | NIF (500psi) |
| 17 | Potassium Sulphate |
| 18 | H2S scavenger |

**Note:**

(a) CP Glycol should have cloud point in the temperature range of (75-87) deg C.

(b) ROP enhancer must be a premium lubricant to reduce torque & drag significantly in highly deviated wells with total horizontal displacement of around 1000-2500+m.

(c) Encapsulating polymer must be of low molecular weight.

(d) High Performance Fluid loss reducer must be polymeric in nature.

(e) Sealing Agent must be polymeric and non-ionic liquid.

(f) HP Lubricant must be a premium lubricant to reduce torque & drag significantly in highly deviated wells. It must be superior to Linseed Oil and Extreme Pressure Lube.

(g) The bidder must submit the Certificate of Analysis of each chemical along with their offer.

(h) Without prior approval of OIL, contractor cannot bring / add any additional chemicals during the currency of the contract.

(i) Contractor has to maintain a healthy stock of all chemicals to support the uninterrupted drilling operation.

(j) Chemicals offered by the bidder must conform to API/OIL/BIS specifications for each chemical. Bidder must submit an undertaking stating that their supplied chemicals will meet the specifications along with the offer. However, the selected bidder must submit 1 kg/1 L sample of each chemical for laboratory testing prior to commencement of operation. Specifications of some of the chemicals are given in the tender. Contractor must replace the chemical not conforming to the specifications. It is to be noted that performance evaluation of the samples will take minimum 30 days.

(k) The selected bidder shall furnish to Company the test reports as per specifications prior to the delivery of the Chemicals. All the test reports must reflect the brand name and manufacturer's name as quoted in the bid. The chemicals to be used in the wells shall be of the same brand and manufacturer and shall be in no way inferior to the quality indicated in the test reports.

(l) All chemicals should be free of any hazardous components. An undertaking in this regard clearly stating that the chemicals are non-hazardous in nature must be submitted by the bidder along with the offer.

(m) Random joint sampling shall be carried out during the course of operation. These samples will be tested at Central laboratory, Chemical Department, Duliajan. If during the operations, any chemical is found to be substandard and / or not conforming to the specifications, Contractor shall replace the materials immediately without any extra cost to the Company. All expenditure including transportation of rejected materials will be borne by the Contractor.

(n) Top two sections will be drilled by in-house mud systems.

(o) It is to be noted that Bidders should quote their brand name for all the chemicals mentioned in the price format. Additionally, Bidders to provide one (01) case history of successful field use of such chemicals along with the bid.

## 4.0 SUPPLY OF BASIC CHEMICALS BY OIL

The following basic chemicals will be supplied by oil**:**

**TABLE-12: CHEMICALS TO BE SUPPLIED OIL**

| SL No | Chemicals |
|---|---|
| 1 | Bentonite |
| 2 | Baryte |
| 3 | Loss circulation materials (mica, saw dust, walnut shell & gel flake) |
| 4 | Spotting fluid (Low wax crude, High speed diesel & Pipelax) |
| 5 | Sodium Bicarbonate |
| 6 | Soda Ash |
| 7 | Completion fluid (KCl & Sodium format) |

## 5.0 MUD TESTING EQUIPMENT│LABORATORYAND EQUIPMENT│ SOFTWARE AND TECHNICAL SUPPORT:

**5.1** Bidder shall provide technical support including the software package and literature back up whenever required by field personnel for smooth drilling fluid management.

**5.2** The bidder shall provide complete drilling fluid testing equipment, Chemical reagents and consumable for testing of mud system as indicated in the bid as per API standards. List of the Laboratory equipment & Chemicals are indicated in the tender.

**5.3** All the necessary drilling fluid testing equipment/ glass wares, chemicals/ reagents and consumables for testing of mud as per API / AIDC standards including any special tests for estimation of glycol, amine, PHPA, potassium ion, sulphate ion, salinity, fluid loss, lubricity coefficient etc. shall be provided by the contractor as **per table (13).**

**5.4** No separate payment shall be made for mud lab equipment.

**5.5** OIL will provide a skid mounted laboratory bunk house at rig site with the facilities like water connection and electrical power supply for running the laboratory.

**TABLE-13: LIST OF LABORATORY EQUIPMENT**

| Sl. No. | Equipment | No of sets to be supplied |
|---|---|---|
| 1 | 6/8 speed Visco Meter | 1 |
| 2 | API Filter Press | 1 |
| 3 | Marsh Funnel with cup | 1 |
| 4 | API Mud Balance | 1 |
| 5 | Pycnometer (Pressurized mud balance) | 1 |
| 6 | API Sand Content Apparatus | 1 |
| 7 | Hamilton Beach Mixer | 1 |
| 8 | Mud Retort Kit | 1 |
| 9 | pH Meter | 1 |
| 10 | Methylene blue Test Kit | 1 |
| 11 | Thermometer | 1 |
| 12 | Lubricity Tester | 1 |
| 13 | Hot Plate (may be clubbed with sl no 14) | 1 |
| 14 | Magnetic Stirrer with Hot Plate | 1 |
| 15 | Equipment for Estimation of PHPA | 1 |
| 16 | Equipment for Amine test | 1 |
| 17 | Equipment for Potassium ion test | 1 |
| 18 | Equipment for estimation of glycol | 1 |
| 19 | Any Other necessary equipment for testing of mud. | 1 |

## 6.0 HR DEPLOYMENT: PERSONNEL

**6.1 GENERAL**:

(i) Contractor will provide two on-site mud engineers on 12-hour shift basis. The engineers will be required to work on a suitable ON/OFF-day rotation. OIL reserves the right to modify its requirement of on-site mud engineers anytime.

(ii) Bio data to be submitted as per the **Annexure: Q**. The personnel deployed under the contract to be approved with 'no objection" from OIL

(iii) Movement of the contractor personnel to & from well site will be under contractor's responsibility. Contractor to arrange for fooding and lodging bunk house for its personnel at well site with no extra cost to the company.

(iv) OIL reserves the right to release Mud Engineers, with a short notice, from the well site, in case of suspension of operation for a reasonable length of time. This is in addition to the normal on-off pattern as well as the ILM.

(v) After issue of release notice, no charges will be payable

(vi) The educational qualification & experience criteria of Mud Engineers are mentioned in **Table-14**

**TABLE-14: HR DEPLOYMENT**

| Sl. No. | Name of position | Educational Qualification | Experience & Certification | Stationed | Working Hours | OFF as per Note | Total (excluding off) |
|---|---|---|---|---|---|---|---|
| 1 | **MUD ENGINEER** | Bachelor degree in Engineering /Science or equivalent | (i) Mud Engineers should be proficient in English (written & verbal). Besides English, fluency in Hindi and local language will be an added advantage.<br><br>(ii) The Mud Engineers should have minimum five (05) years' experience in Mud Engineering Service and should have completed at least five (05) nos. of deep wells with HPWBM or similar system independently as a mud engineer / mud consultant. The Mud | Wellsite | 12 hours | Off as per Note | 02 per day per package |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | Engineers should be competent in solving down hole complications including but not limited to hole instability, mud loss, torque/drag, stuck pipe, carvings, high pressure kicks etc. All the Mud Engineers should have adequate knowledge in working with the contractor's materials, equipment and procedures for the services provided by the contractor.<br><br>(iii) The Mud Engineers should be in sound health and fit to work in different environment. The age of the Mud Engineers should not be more than 65 years as on the original bid closing date of this Tender. | | | | |

Note: "OFF & ON" pattern of personnel deployed at well site shall be guided as per DGMS Circular SO1658 (E) date 30th June 2014 with fulfilling all its conditions.

## 6.2 COMPETENT OFFICIALS AND COMPETENT PERSON

All the officials and employees) deployed as per "TABLE (14): HR DEPLOYMENT" shall be treated as competent officials and persons as per Regulations (21) Appointment of officials and competent persons and shall perform duty as Regulation (26) Duty of persons employed in mine and Regulation (33) Duty of competent person of OMR, 2017 in addition to other assigned jobs as per the contract.

## 6.3 JOB SPECIFICATION AND JOB RESPONSIBILTY

The basic Job specification and responsibility are defined as below but not limited, additional responsibility may be assigned if it is warrant for the safety of personnel/equipment and smooth functioning operations against the contract.

## 6.4 MUD ENGINEER:

### CATEGORY

Competent official as described in regulation (21), i.e. Appointment of officials and competent persons.

### JOB SPECIFICATION

A mud engineer (also called a Drilling Fluids Engineer, but most often referred to as the "Mud Man") is responsible for creating 'mud', or a mixture of fluids, clay and other chemicals, that's used in the process of drilling for oil or gas and for managing the chemical team under him. He ensures the properties of the drilling fluid/drilling mud are within designed specifications by testing the mud at a rig and prescribes the mud treatments to maintain mud weight, properties, and chemistry within recommended limits. The mud engineer works closely with the Rig Manager/Tool pusher/Night Tool Pusher/Driller to disseminate information about mud properties and expected treatments and any changes that might be needed. They typically have a background in engineering or drilling or chemistry and may have either specialized education or training in mud.

### JOB RESPONSIBILTY: OPERATIONS

He shall be responsible for

(a) Maintaining mud parameters as per detailed mud policy.

(b) Testing all required mud parameters as specified at least once per shift.

(c) Monitoring at hourly interval the important parameters of drilling fluid viz density, M/F viscosity etc. to-keep records.

(d) Monitoring and ensure chemical treatment required for proper maintenance of mud parameters.

(e) Monitoring mud loss and / or mud gain, indication of gas cut or any other unusual changes in the mud system during drilling / circulation and to take corrective measures.

(f) Maintaining all adequate stock of mud volume (circulating + reserve) as required.

(g) Maintaining and recording hole fill up volume and displacement volume of drilling fluid during round trips and during running in of drilling string / casing.

(h) Maintaining and record keeping of stock and consumption of mud/mud chemicals for uninterrupted drilling fluid services.

(i) Taking circulation test and to calculate hydraulics during drilling operation.

(j) Preparing and spot spotting fluid/OBM etc. in case of stuck pipe as required. In case of loss circulation to prepare and spot LCM pill etc. as required.

(k) Measuring and recording cement slurry weight and viscosity during cementation.

(l) Carry out any other mud/cement related jobs as required.

(m) Preparing a shift report.

(n) All Mud Engineer's report should be submitted to Service Provider's Supervisor who in turn shall keep the Company representative aware.

**JOB RESPONSIBILTY: REPORTING**

(a) **GENERAL:** The Contractor shall comply with the following minimum reporting requirements under the contract. Contractor shall also provide additional reports to the Company Representative as may reasonably be asked for during the execution.

(b) **MATERIALS INVENTORY REPORT**: At all times, the Mud Engineers must maintain an up-to-date inventory of all the chemicals/additives held at well site and the same shall be reported on daily basis as part of the daily mud report. Additionally, a daily/weekly report on materials inventory at site and at Contractor's warehouse shall be submitted to the Company's representative based at Duliajan.

(c) **DAILY MUD REPORT**: Daily mud report in prescribed format shall be submitted to the Company Representative at site and to OIL's Chemical Dept. Duliajan.

(d) **END OF WELL REPORT**: The Contractor shall provide within fifteen (15) days of completion of the well a Final Well Recap, containing but not limited to the following:

- A detailed recap of each hole section.
- An evaluation of the mud properties, their performance.
- An analysis and recommendation of the optimum parameters required based on experience gained while drilling the well.
- A detailed list on chemical consumption for each section.
- A comparison of planned Vs actual mud properties for each hole section.
- A comparison of planned versus actual mud cost for each hole section.

- A detailed study on the hole problems encountered and mitigation methods and strategies followed.

- Suggestion for improvement in future wells.

(e) **COMPLICATION REPORT**: In case of any complication such as stuck pipe, lost circulation, unusual caving, undesirable cutting bed formations, the Contractor shall notify the Company Representative immediately. A detailed draft report shall be submitted by the Contractor, within 24 hours of the incident (operations permitting), with full details and the reasons for the same and remedial measures/recommendations that shall be followed in the present well as well as in future wells to ensure safe and complication free drilling.

**JOB RESPONSIBILTY: HSE**

(a) He shall have the **overall responsibility** to ensure the safety of man and equipment in operation directly under him through his subordinate(s) and by effective implementation of Safety Management System.

(b) Responsible to ensure use of proper personal protective equipment by all employee while at work and He shall not allow any body at well site to work without proper PPE as PPE matrix issued by Drilling-HSE.

(c) Responsible to ensure that good housekeeping is maintained.

(d) Responsible to ensure Job Analysis before start-up of non-routine operation or job and ensure completion of risk assessments where required and Toolbox Talk for routine job;

(e) Responsible for compliance of all safety rule(s)/ regulation(s)/ circular(s) and submitting the legal compliance in the format subscribed by OIL.

(f) Responsible to ensure for adhering the SOP and other safety standards at well site.

(g) Responsible for implementation of Emergency Response Plan as per bridging documents.

(h) Responsible to implement as required all tests (e.g. equipment in operation directly under him) as per the drilling program and statutory requirement.

(i) Responsible to ensure participation in all required drills (Accumulator, BOP, Fire etc. or any other drill as per directives of OIL) at the well-site.

(j) Responsible to ensure prompt report of all accidents, near-miss accidents and non-conformance through the proper channels.

## 7.0 MUD AND MATERIAL MANAGEMENT SERVICES

OIL will not buyback any leftover chemicals after the completion of the contract. Contractor will provide the following services but not limited to:

(a) The Contractor shall supply all special chemicals/additives conforming to relevant API / BIS specifications required for drilling of 12 ¼" & 8 ½" and 6" hole section. The contractor shall maintain adequate stock of all chemicals and ensure timely supply as per operational requirement of the well. However, the payment will be made on actual consumption basis duly certified by OIL chemist/company representative. OIL will provide storage space at site to store chemicals brought in by the contractor. Housekeeping / maintenance of the storage space at well site is solely contractor's responsibility.

(b) However, contractor shall have to arrange warehouse / storage facility at their base in Duliajan (or in around Duliajan) for bulk storage of their chemicals/additives etc.

(c) During the preparation / maintenance of the mud system, addition of their chemicals to the mud system is to be done under the supervision of the contractor.

(d) The contractor shall provide product datasheet for each chemical including but not limited to brand name, unit of packing, country of origin, specification and Material Safety Data Sheet (MSDS). The contractor shall provide information on complete list of chemicals as per Table-11. Bidders are requested to submit an undertaking clearly stating that they will supply Chemicals as per the specification mentioned in the tender. This undertaking has to be submitted along with the techno-commercial bid.

(e) All the chemicals should be in their original packing. The chemicals should conform to API/BIS-specifications whichever is applicable to the particular chemical. Contractor shall provide the test report from a recognized laboratory for quality of supplied chemicals / tolerable toxicity limit along with the bid. However, OIL reserves the right to inspect the chemicals OIL's well site and draw samples for testing. If any chemical is found to be not conforming to the specifications, contractor shall replace the defective material immediately with quality product that conforms to the specification.

(f) Contractor has to–take back the left over chemicals, if any after completion of the project/ after issuing final demobilization notice within one month of time.

(g) Since the mud system will be used in environmentally sensitive areas, the chemicals supplied by the contractor shall be biodegradable, eco-friendly and within tolerable toxicity limit.

(h) During the Mud Engineering service, if any foul smell emancipates in the mud system or in effluent pit due to addition of any of the additives, contractors will be solely responsible for immediate replacement of the chemicals / additives

and additionally necessary corrective measures should be taken by the Contractor to control the smell as per standard practices. Service provider has to ensure that the replaced chemicals supplied are of equivalent / better make or quality and this should be done without any operational interruption.

## 8.0 LOGISTICAL ARRANGEMENT FOR TRANSFER OF CHEMICALS & EQUIPMENT:

(a) The contractor has to establish a central warehouse in and around Duliajan for storage of their Chemicals.

(b) Contractor has to maintain a healthy stock of chemicals at wellsite for uninterrupted drilling operation.

(c) Transfer of Chemicals from their central warehouse to wellsite and back will be under contractor's responsibility.

(d) During ILM, transfer of lab equipment & left over chemicals from one location to the next location will be under contractor's responsibility.

(e) OIL will provide necessary crane services at the wellsite for loading & unloading of Chemicals & equipment.

## 9.0 DESIGNING OF MUD PROGRAM:

Expected Mud parameters at 45° ± 2° C after hot rolling at 120° ± 2° C for 24 hrs:

**TABLE-15: Mud Properties**

| SL NO | PROPERTIES | 12 ¼" | 8 ½" | 6" |
|---|---|---|---|---|
| 1 | Density pcf | 80 | 100 | 100 |
| 2 | Yield Point (lbs/100 ft2) | 15-25 | 25-40 | 30-40 |
| 3 | pH | 9.0-9.5 | 9.0-9.5 | 9.0-9.5 |
| 4 | API Filtrate (cc) | 8.0-6.0 | 6.0-4.0 | 5.0-4.0 |
| 5 | HTHP Filtrate (cc) at 300°F/500 psi | <30.0 | <20.0 | <20 |
| 6 | Sand % by vol | <0.3 | <0.2 | <0.2 |
| 7 | Lubricity coefficient | 0.1-0.18 | 0.1-0.15 | 0.1-0.15 |

| | | | | |
|---|---|---|---|---|
| 8 | Plastic viscosity (lbs/100 ft2) | 25 (max) | 40 (max) | 40 (max) |
| 9 | Gel Strengths 0'/10' (lbs/100 ft2) | 6-12 / 10-30 | 6-10/ 10-25 | 6-10 /10-25 |

Based on geological data provided by OIL and well engineering, contractor shall design/formulate suitable mud and hydraulic system for each phase. Contractor will provide the mud engineering services for the mud system approved by OIL.

(i) Contractor should submit a detailed mud program for each proposed well in advance. The designed mud/hydraulics program should be supported by software for analysis and to make reports.

(ii) Contractor will also plan for contingency treatment for problems like cement contamination, carvings, hole pack off, differential sticking, mud loss, hole erosion and /or any other down hole problems.

(iii) Contractor will prepare contingency plan to meet any unexpected problems, anticipated contaminations etc.

(iv) Contractor should ensure that entire composite mud system fulfils regulatory requirements of environment/safety etc.

## 10.0 MUD HYDRAULICS FOR 6", 8 ½", 12 ¼" & 17 ½" HOLE [INDICATIVE ONLY]

**Table -16: Mud Properties**

| SL NO | Type of bit | Size of hole | GPM (US) | Jet Velocity (ft/sec) | Annular Velocity (ft/min) OH vs DC | Annular Velocity (ft/min) OH vs DP |
|---|---|---|---|---|---|---|
| 1 | TCR | 6" | 250-280 | 100-130 | 110-120 | 100-110 |
| 2 | PDC | 8 ½" | 430-480 | 200-350 | 300-400 | 200-250 |
| 3 | TCR | 8 ½" | 350-450 | 150-250 | 400-500 | 180-300 |
| 4 | PDC | 12 ¼" | 550-700 | 320-400 | 190-240 | 130-160 |
| 5 | TCR | 12 ¼" | 500-600 | 180-280 | 170-205 | 120-140 |
| 6 | TCR | 17 ½" | 550-620 | 200-300 | 70-80 | 50- |

## 11.0 GENERAL REMARKS:

(a) The estimated quantities of Chemicals are for the purpose of evaluation only. Payment will be made on the basis of actual consumption duly certified by OIL's representative. Without prior approval of OIL, Contractor shall not be allowed to add any additional chemicals or cross the quantity mentioned in the tender.

(b) Enough care has been taken to estimate the chemical quantities as realistically as possible. All estimations are done following the industry standard doses.

(c) Contractor has to follow Duty roster for personnel as per statutory guidelines

(d) Chemical mixing labours will be provided by OIL or through Rig Contractor.

(e) Contractor must comply the statutory guidelines pertaining to the engagement of labours other than chemical mixing labours.

(f) Maintaining and repairing mud testing equipment and Laboratory.

## 12.0 SPECIFICATION OF SOME CHEMICALS

For better understanding of the standard of quality control measures to be followed during the course of operation, technical specification of some important chemicals are given in **Appendix: Specification of Some Chemicals**.

Samples of chemicals supplied by the selected Bidder and the samples collected from the well site must conform to these specifications. Contractor must provide the test report of their special chemicals from a recognized laboratory for quality of supplied chemicals.

## 13.0 CENTRIFUGE

The successful bidder shall supply the centrifuge along with the centrifuge operator as per **Appendix: CENTRIFUGE.** There will be no separate charges for the manpower.

## B.4.0. SUPPLY OF DRILLING BITS

The successful bidder shall supply the drill bits on consignment basis as per terms & conditions defined below:

## SUPPLY OF DRILLING BITS

The successful bidder shall supply the drill bits indicated below on consignment basis as per **Appendix: DRILL BITS SELECTION AND SUPPLY** under following three categories.

**(1) PERFROMANCE BASED BIT SERVICE**

**(2) BIT BASKET SERVICE**

**(3) SPECIAL BIT SERVCE**

**DRILL BITS SELECTION AND SUPPLY [SUPPLY OF DRILLING BITS ON CONSIGNMENT BASIS]**

The successful bidder shall supply the drill bits indicated below on consignment basis under the following terms and conditions.

**1.1 SERVICE REQUIRMENT FOR PERFROMANCE BASED BIT**

**1.1.1** Bidder must supply 6", 8½", 12¼ "and 17½" size (s) TCR (Milled tooth& Insert) and PDC Bits (Steel & Matrix body) on Assorted Consignment Basis in first mobilisation in **120 (one hundred twenty) days**. Number of bits and their detail breakup of assorted types will be decided by OIL in consultation with IDS co-ordinator as per note under clause 2.0(d) of SCC.

Subsequent supply (i.e., after initial mobilisation) quantities of drill bits are to be delivered at Duliajan within **75 (Seventy-five) days of issue of order for replenishment quantity of drill bits.**

In case of unavailability of requisite bit as per the contract, OIL may provide bit from its stock. Contractor to pay the latest PO price FOB at Duliajan or the Quoted Price whichever is the highest plus 15% of considered price as a penalty.

**1.1.2** The bits are to be kept under custody of the service provider at Duliajan and shall keep proper stock records of the bits i.e., record of movement, inventory at base (Duliajan), on transit to & from the Rig as well as inventory at Rig etc. IDS Co-ordinator shall be responsible for aforesaid job and MWD/LWD Engineer will provide all support in this regard.

**1.1.3** Required quantities of each type of bit shall be drawn from the stock maintained by bidder. Selection of suitable bit of any size from the available lot of bits will be recommended in consultation with IDS coordinator and approved by the company.

**1.1.4** OIL at its discretion may decide to use its own bits during any phase of operation for cement cleaning or drilling or reaming or washdown.

**1.1.5** Proper look ahead to be prepared for bit requirement in weekly/fortnightly/monthly/quarterly/half yearly/annually for ensuring availability of bits with all respect for drilling in all sections without any shortage, however, the stock must be optimised to avoid cost overrun. IDS Coordinator shall be responsible for aforesaid job and MWD/LWD Engineer will provide all support in this regard.

**1.1.6** Each bit must be supplied with following accessories as per the drilling requirement without any upper limit.

**a)** Extra nozzles complete with required 'O' rings, circlips etc.

**b)** Nozzles Replacement Kit

**c)** Bit Breaker, wherever required.

**d)** Bit Box for proper storage and carry.

**e)** Any other accessories required to make the bit ready for use.

**1.1.7** Bit cost shall be inclusive of the set of nozzles

**1.1.8** Minimum indicative nozzles including centre nozzles to be provided within the range of 11/32 inch and 24/32 inch, but not limited.

**1.1.9** Nozzles (numbers and size) are to be provided by the contractor as per hydraulics requirement for the respective bit size and hole section.

**1.1.10** **Equivalent IADC Codes against each quoted bit (TCR as well as PDC) are to be categorically mentioned in the offer. All the information including special feature (if any) are to be provided against each type of bit offered. Bit catalogue & Spec Sheet of each type of quoted bit are to be provided along with the bid, which must include bit specific operating parameters and characteristics**.

**1.1.11** **Manufacture must have valid API Spec 7-1 Certificate and the same is to be forwarded with the offer**.

**1.1.12** **Literature / Catalogue of the products offered to be submitted with the offer**. Bid should be complete in all respects covering entire scope of job / supply and should meet the technical specifications indicated in the bid document, duly supported with technical catalogue / literatures, wherever applicable. Incomplete and non-conforming bids will be rejected outright.

**1.1.13** Bidder should identify/select two types of their best TCR (Milled Tooth and Insert) and PDC (Matrix and Steel Body) bits for drilling each section of 17½", 12¼", 8½" and 6 " hole size as applicable and quote accordingly in order of their preference in price bid format provided in the tender separately for each hole size.

**1.1.14** The offered bits should be compatible with the formation(s) to be drilled and for rotary as well as SDMM-MWD-LWD and Mud Services provided under the services.

**1.1.15** To select and optimize the design of the offered bits during bidding, the bidder may ask for data viz offset bit records, mud logs, etc. OIL will provide data of individual field after signing Non-Disclosure Agreement as available basis.

**1.1.16** Minimum consignment period of Tendered Bits shall be one year, and IDS Co-ordinator shall be responsible for returning the unused bit after the end of minimum consignment period. However OIL also can decide to return the bit before the minimum consignment period if it envisaged such bits are not of use in operation.

**1.1.17** OIL will use the bits from the lot/ consignment as required and the remaining unused bits shall be taken back by the service provider at their own cost or OIL may use in other projects independently without IDS-3 package. Payment will be made on actual without performance criteria. However, OIL may outright purchase suitable left-over bits at the end of contract period, at the sole discretion of OIL in a mutually agreed price but not more than the quoted price. Quantity of bits retained at the end of contract period shall not exceed the quantity against the contract.

**1.1.18** Bidder should also note that there shall be no minimum guaranteed off-take by OIL. Payment shall be released by OIL only for the actual quantity consumed.

**1.1.19** As bit is a part of service and disposal of all used bit shall be responsibility of the bidder at their own cost. However, details of record of such bits to be verified by OIL prior to disposal.

**1.1.20** IDS coordinator shall be responsible for return of unused bit within the prescribed time**.**

**1.1.21** No Mobilisation and/or Demobilisation for the Bit-consignment is applicable.

**1.1.22** Bidder has to supply bit at drilling location without any additional cost other than the quoted rate in SOR.

**1.1.23** Bidder should have software based Integrated dynamic engineering analysis for bit selection and simulation. Bidder to submit report of such analysis and simulation if Oil request, without any additional cost. Bidder to confirm the same.

**1.1.24** OIL at its discretion may decide on utilization of BIT from its existing inventory during any phase of drilling for increase in operational efficiency or for testing of new bits

**1.1.25** In case of exhaust of a particular bit as per tender, contractor may offer additional bit(s) not higher than the quoted price, however it is OIL's discretion to accept or reject the request.

**1.1.26** During the course of execution, if bit failed to reach the lowest minimum performance criteria as per **TABLE NO. (20.1), (20.2) and (20.3)** under clause 8 BIT PERFORMANCE CRITERIA of SOR consecutively for 03 times, the service provider may propose for utilization of any other higher-grade BIT for approval from OIL. However, the rate quoted for the newly proposed BIT should be

discounted by 10% of the quoted price for the “Best Offered Bit” for that particular hole section.

**1.1.27** Bidder can offer maximum two numbers of bit individually under both best offer and second-best offer but at same price.

## 1.2 SERVICE REQUIRMENT FOR BIT BASKET

The following bits to be supplied under bit basket service:

**1.2.1** Bidder must supply 8½", 12¼ “and 17½" size (s) TCR (Milled tooth& Insert) and PDC Bits on Annualised and Assorted Consignment Basis. Detail breakup of assorted types will be decided by OIL in consultation with IDS co-ordinator. Subsequent quantities of drill bits are to be delivered at Duliajan within **75 (Seventy-five) days of issue of order for replenishment quantity of drill bits.**

In case of unavailability of requisite bit, OIL may provide bit. However, a penalty shall be levied equal to 1.5 time of the price of the bit as decided by OIL considering all other cost.

**1.2.2** The bits are to be kept under custody of the service provider at Duliajan and shall keep proper stock records of the bits i.e., record of movement; inventory at base (Duliajan), on transit to & from the Rig & inventory at Rig etc. IDS coordinator shall be responsible for aforesaid job and will provide all support in this regard.

**1.2.3** Required quantities of each type of bit shall be drawn from the stock maintained by the bidder. Selection of suitable bit of any size from the available lot of bits will be recommended and approved by the company.

**1.2.4** Proper look ahead to be prepared for bit requirement in weekly/fortnightly/monthly/quarterly/half yearly/annually for ensuring availability of bits with all respect for drilling in all sections without any shortage, however, the stock must be optimised to avoid cost overrun. IDS coordinator shall be responsible for aforesaid job and Bit runner will provide all support in this regard.

**1.2.5** Each bit must be supplied with following accessories as per the drilling requirement without any upper limit

**a)** Extra nozzles complete with required 'O' rings, circlips etc.

**b)** Nozzles Replacement Kit

**c)** Bit Breaker, wherever required.

**d)** Bit Box for proper storage and carry.

**e)** Any other accessories required to make the bit ready for use.

**1.2.6** Bit cost shall be inclusive of the set of nozzles.

**1.2.7** Minimum indicative nozzles including centre nozzles to be provided within the range of 11/32 inch and 24/32 inch, but not limited.

**1.2.8** Nozzles (numbers and size) are to be provided by the contractor as per hydraulics requirement for the respective bit size and hole section.

**1.2.9 Manufacture must have valid API Spec 7-1 Certificate and the same is to be forwarded with the offer**.

**1.2.10 Literature / Catalogue of the products offered to be submitted with the offer**. Bid should be complete in all respects covering entire scope of job / supply and should meet the technical specifications indicated in the bid document, duly supported with technical catalogue / literatures, wherever applicable. Incomplete and non-conforming bids will be rejected outright.

**1.2.11** OIL will use the bits from the lot/ consignment as required and the remaining unused bits shall be taken back by the service provider at their own cost or OIL may use in other projects. Payment will be made as per actual. However, OIL may outright purchase suitable left-over bits at its discretion.

**1.2.12** Bidder should also note that there shall be no minimum guaranteed off-take by OIL. Payment shall be released by OIL only for the actual quantity consumed/purchased.

**1.2.13** As bit is a part of service and disposal of all used bit shall be responsibility of the bidder at their own cost. However, details of record of such bits to be verified by OIL prior to disposal.

**1.2.14** OIL (Oil India Limited, Operator) will use the bits from the lot/ consignment as required and the remaining **unused bits** shall be taken back by the service provider at their own cost.

**1.2.15** As bit is a part of service and disposed of all used bit shall be responsibility of the bidders at their own cost.

**1.2.16 TECHNICAL SPECIICATION FOR BIT BASKET**

**(A.1) POLY CRYSTALLINE DIAMOND COMPACT BIT**

a) Bit Size : **444.50 mm (17½")**

b) Equivalent to IADC: M-332

c) Pin Size : 193.675mm (7⅝") API Regular

d) Feature : MATRIX Body, Replaceable nozzles, PDC cutter with high thermal mechanical integrity, Gauge protection features (Thermally Stable Diamond inserts on the gauge), Low torque feature (Depth of Cut control elements at every blade), Low Exposure Cutter, impact arrestors, back reaming cutters on gauge pads on each blade and spiral gauze pad.

e) Total cutter count : 35 or more

f) Number of cutter Blades : 05 or more

g) Cutter Size : 19 mm

h) Cutter Type : New Generation Premium cutters like Rockstorm / Onyx-II / Stay Sharp / Select TMI / Helios Inferno/ ReflektorTM

i) Gauge Length : Around 3 inches

j) Junk Slot Area, in square inch : Minimum 29

k) Number of nozzles : 8 or more for efficient hole cleaning

l) Replaceable Nozzles Size : As per manufacturer's standard to meet the drilling parameters stated below for optimum hydraulics.

m) Bit should be suitable to drill formations whose compressive rock strength varies from **2000 to 9000 psi in depth range from 1500 meters to 3500** meters and should be compatible to following Drilling Parameters:

- Rotational Speed: 50-300 RPM (i.e., suitable for rotary, SDMM and RSS)
- Flow Rate : 500-1200 GPM.
- WOB : 3-18 Ton.
- Hydraulic Horsepower : 1 to 6 (indicative figure)

**(A.2.) POLY CRYSTALLINE DIAMOND COMPACT BIT**

a) Bit Size : **311.15 mm (12¼")**

b) Equivalent to IADC: M-332

c) Pin Size : 168.275 mm (6⅝") API Regular

d) Feature : MATRIX Body, Replaceable nozzles, PDC cutter with high thermal mechanical integrity, Gauge protection features (Thermally Stable Diamond inserts on the gauge), Low torque feature (Depth of Cut control elements at every blade), Low Exposure Cutter, impact arrestors, back reaming cutters on gauge pads on each blade and spiral gauze pad.

e) Total cutter count : 35 or more

f) Number of cutter Blades : 05 or more

g) Cutter Size : 19 mm

h) Cutter Type : New Generation Premium cutters like

Rockstorm / Onyx-II / Stay Sharp / Select TMI / Helios Inferno/ ReflektorTM

i) Gauge Length : Around 3 inches

j) Junk Slot Area, in square inch : Minimum 29

k) Number of nozzles : 7 or more for efficient hole cleaning

l) Replaceable Nozzles Size : As per manufacturer's standard to meet the drilling parameters stated below for optimum hydraulics.

m) Bit should be suitable to drill formations whose compressive rock strength varies from **2000 to 9000 psi in depth range from 1500 meters to 3500** meters and should be compatible to following Drilling Parameters:

- Rotational Speed: 50-300 RPM (i.e., suitable for rotary, SDMM and RSS)
- Flow Rate : 500-1200 GPM.
- WOB : 3-18 Ton.
- Hydraulic Horsepower : 1 to 6 (indicative figure)

**(A.3.) POLY CRYSTALLINE DIAMOND COMPACT BIT**

a) **Bit Size : 215.90 mm (8½")**

b) Equivalent to IADC: M-332

c) Pin Size : 114.30 mm (4½") API Regular

d) Feature : MATRIX Body, Replaceable nozzles, PDC cutter with high thermal mechanical integrity, Gauge protection features (Thermally Stable Diamond inserts on the gauge), Low torque feature (Depth of Cut control elements at every blade), Low Exposure Cutter, impact arrestors, back reaming cutters on gauge pads on each blade and spiral gauze pad.

e) Total cutter count : 35 or more

f) Number of cutter Blades : 05 or more

g) Cutter Size : 16 mm

h) Cutter Type : New Generation Premium cutters

like Rockstorm/Onyx-II/Stay Sharp/ Select TMI/Helios Inferno/ ReflektorTM

i) Gauge Length : Around 3 inches

j) Junk Slot Area, in square inch : Minimum 29

k) Number of nozzles : 5 or more for efficient hole cleaning

l) Replaceable Nozzles Size : As per manufacturer's standard to meet the drilling parameters stated below for optimum hydraulics.

m) Bit should be suitable to drill formations whose compressive rock strength varies from **2000 to 9000 psi in depth range from 1500 meters to 3500** meters and should be compatible to following Drilling Parameters:

- Rotational Speed: 50-300 RPM (i.e., suitable for rotary, SDMM and RSS)
- Flow Rate : 500-1200 GPM.
- WOB : 3-18 Ton.
- Hydraulic Horsepower : 1 to 6 (indicative figure)

**(B.1) 17½ inches Milled Tooth Roller Cone Bit (IADC Code: 1-1-1)**

Rock Bit, Soft Formation, Jet Circulation, TriCone, Milled Tooth, API Monogram as per API Specification 7-1 (For depth less than 3000 meters)

a) Maker's Type Designation: Similar or equivalent to Model - Varel: L3A Reed: YT3A Security: S3S Smith : DS
b) Bit Size: 444.50 mm (17.1/2")
c) Pin Size: 193.675 mm (7.5/8") API

d) Regular Nozzles: 20/32" - 05 Sets
22/32" - 30 Sets
24/32" - 30 Sets
26/32" - 05 Sets

**(B.2) 17½ inches Milled Tooth Roller Cone Bit (IADC Code: 1-1-7)**

Rock Bit, Soft Formation, Jet Circulation, TriCone, Milled Tooth, API Monogram as per API Specification 7-1 (For depth less than 3000 meters)

a) IADC: 1-1-7 (Suitable for both Rotary and Motor application with minimum Krev of around 800)
b) Rotary speed, rpm:50-150
c) WOB: 15Klbs-50Klbs
d) Flow Rate: 650GPM-900GPM
e) Bit Size: 17.1/2"(444.50mm);
f) Pin Size: 7.5/8" API Regular (193.675mm)
g) The bit should be designed with the following minimum features:
1. Direct nozzles for engineered hydraulic (For optimal cleaning efficiency).
2. Centre jet feature to avoid bit balling.
3. Bearing Type: Sealed Friction bearing.
4. Full tooth hard facing on each tooth (Cutting structure and gauge).
5. Raised tungsten carbide inserts on shirttail/arm for providing protection in directional drilling application and abrasive environment. Semi round top tungsten carbide inserts leg back protection.
h) Bit to be supplied with the nozzles of following sizes: 22/32"; 24/32; 26/32" (1 set= 3 nos. nozzles). Bits to be supplied with the center jets of following sizes: 22/32"; 24/32"; 26/32"

**(C.1) 12¼ inches High Performance Milled Tooth Roller Cone Bit (IADC Code: 1-1-7)**

a) Maker's Type Designation: Similar or equivalent to Model – VM-1 of Baker Hughes Bits / Model - XR+CPS of Smith Bits / Model - EQHC1GRC of Halliburton Drill Bits

b) IADC: 1-1-7 or 1-1-7W (Suitable for both Rotary and motor application with minimum Krev of around 850)

c) Rotary speed, rpm: 55 - 250

d) WOB: 16 Klbs - 65 Klbs

e) Flow Rate: 500 gpm - 850 gpm:

f) Bit Size: 12.1/4" (311.15 mm)

g) Pin Size: 6.5/8" API Regular (168.28 mm)

h) The bit should be designed with the following minimum features:

- Directed nozzles for engineered hydraulic (For optimal cleaning efficiency)
- Centre jet feature to avoid bit balling.
- Premium bearing package
- Premium full tooth hard facing on each tooth (cutting structure and gauge)
- Tungsten carbide inserts on Heel / Surf area of the bit.
- Raised tungsten carbide inserts on shirttail / arm for providing protection in directional drilling application and abrasive environment. Semi round top tungsten carbide inserts leg back protection.

**(C.2) 12¼" inches High Performance Milled Tooth Roller Cone Bit (IADC Code: 1-3-7) beyond 3000 m+**

Maker's Type Designation: Similar or equivalent to Model VM-3 of Baker Hughes bits / Model-GFDHCPS of Smith Bits/Model-EQHC3GRC of Halliburton.

a) Drill Bits IADC:1-3-7 or 1-3-7W (Suitable for both Rotary and motor application with minimum Krev of around 1000).

b) Rotary Speed, RPM: 50-300

c) WOB: 15,000-45,000 lbf (7-20 tonnes)

d) Flow Rate: 500 GPM-850 GMP

e) Bit Size: 12.1/4" (311.15mm)

f) Pin Size: 6.5/8" API Regular (168.28mm)

g) The Bit should be designed with the following minimum features:

- Directed nozzles for engineered hydraulic (For optimal cleaning efficiency).
- Centre Jet feature to avoid balling.
- Twin seals or metal seals bearing package (Preferably dual compensation system).
- Oxy-Acetylene Premium full tooth hardfacing on each tooth (Cutting structure and gauge).
- Tungsten carbide inserts on Heel/Surf area of the bit.

- Raised tungsten carbide inserts on shirttail/arm for providing protection in directional drilling application and abrasive environment. Semi round top tungsten carbide inserts leg back protection.

**(D.1) MILLED TOOTH ROLLER CONE BIT**

**8¼ inches High Performance Milled Tooth Roller Cone Bit (IADC Code: 1-1-7) beyond 3000 m+**

a) Maker's Type Designation: Similar or equivalent to Model – VM-1 of Baker Hughes Bits / Model-GFDHCPS of Smith Bits/Model-EQHC3GRC of Halliburton Drill Bits.

b) IADC:1-3-7 or 1-3-7W (Suitable for both Rotary and motor application with minimum Krev of around 750)

c) Rotary Speed, RPM: 50-300

d) WOB: 15,000-45,000 lbf (7-20 tonnes)

e) Flow Rate: 350 GPM-600 GMP

f) Bit Size: 8.1/2" (215.9mm)

g) Pin Size: 4.1/2" API Regular (114.3mm)

h) The Bit should be designed with the following minimum features:

- Directed nozzles for engineered hydraulic (For optimal cleaning efficiency).
- Centre Jet feature to avoid balling.
- Twin seals or metal seals bearing package (Preferably dual compensation system).
- Oxy-Acetylene Premium full tooth hardfacing on each tooth (Cutting structure and gauge).
- Tungsten carbide inserts on Heel/Surf area of the bit.
- Raised tungsten carbide inserts on shirttail/arm for providing protection in directional drilling application and abrasive environment. Semi round top tungsten carbide inserts leg back protection.

**(D.2) MILLED TOOTH ROLLER CONE BIT**

**8¼ inches High Performance Milled Tooth Roller Cone Bit (IADC Code: 1-3-7) beyond 3000 m+**

a) Maker's Type Designation: Similar or equivalent to Model – VM-3 of Baker Hughes Bits / Model-GFDHCPS of Smith Bits/Model-EQHC3GRC of Halliburton Drill Bits.

b) IADC:1-3-7 or 1-3-7W (Suitable for both Rotary and motor application with minimum **Krev of around 750)**

c) Rotary Speed, RPM: 50-300

d) WOB: 15,000-45,000 lbf (7-20 tonnes)

e) Flow Rate: 350 GPM-600 GMP

f) Bit Size: 8.1/2" (215.9mm)

g) Pin Size: 4.1/2" API Regular (114.3mm)

h) The Bit should be designed with the following minimum features:

- Directed nozzles for engineered hydraulic (For optimal cleaning efficiency).
- Centre Jet feature to avoid balling.
- Twin seals or metal seals bearing package (Preferably dual compensation system).
- Oxy-Acetylene Premium full tooth hardfacing on each tooth (Cutting structure and gauge).
- Tungsten carbide inserts on Heel/Surf area of the bit.
- Raised tungsten carbide inserts on shirttail/arm for providing protection in directional drilling application and abrasive environment. Semi round top tungsten carbide inserts leg back protection.

## 1.3 SERVICE REQUIRMENT FOR SPECIAL BIT / HI TECH BIT

**1.3.1** Bidder must supply 8½", 12¼ “and 17½" size (s) Special /High Tech Bits as per technical specification mentioned in 1.3.17 below on Annualised and Assorted Consignment Basis. Detail breakup of assorted types will be decided by OIL in consultation with IDS co-ordinator. Subsequent quantities of drill bits are to be delivered at Duliajan within **75 (Seventy-five) days of issue of order for replenishment quantity of drill bits.**

**1.3.2** The bits are to be kept under custody of the service provider at Duliajan and shall keep proper stock records of the bits i.e., record of movement; inventory at base (Duliajan), on transit to & from the Rig & inventory at Rig etc. IDS coordinator shall be responsible for aforesaid job and will provide all support in this regard.

**1.3.3** Required quantities of each type of bit shall be drawn from the stock maintained by the bidder. Selection of suitable bit of any size from the available lot of bits will be recommended and approved by the company.

**1.3.4** Proper look ahead to be prepared for bit requirement in weekly/fortnightly/monthly/quarterly/half yearly/annually for ensuring

availability of bits with all respect for drilling in all sections without any shortage, however, the stock must be optimised to avoid cost overrun. IDS coordinator shall be responsible for aforesaid job and Bit runner will provide all support in this regard.

**1.3.5** Each bit must be supplied with following accessories as per the drilling requirement without any upper limit

**f)** Extra nozzles complete with required 'O' rings, circlips etc.

**g)** Nozzles Replacement Kit

**h)** Bit Breaker, wherever required.

**i)** Bit Box for proper storage and carry.

**j)** Any other accessories required to make the bit ready for use.

**1.3.6** Bit cost shall be inclusive of the set of nozzles.

**1.3.7** Minimum indicative nozzles including centre nozzles to be provided within the range of 11/32 inch and 24/32 inch, but not limited.

**1.3.8** Nozzles (numbers and size) are to be provided by the contractor as per hydraulics requirement for the respective bit size and hole section.

**1.3.9 Manufacture must have valid API Spec 7-1 Certificate and the same is to be forwarded with the offer**.

**1.3.10 Literature / Catalogue of the products offered to be submitted with the offer with case study**. Bid should be complete in all respects covering entire scope of job / supply and should meet the technical specifications indicated in the bid document, duly supported with technical catalogue / literatures, wherever applicable. Incomplete and non-conforming bids will be rejected outright.

**1.3.11** OIL will use the bits from the lot/ consignment as required and the remaining unused bits shall be taken back by the service provider at their own cost or OIL may use in other projects. Payment will be made as per actual. However, OIL may outright purchase suitable left-over bits at its discretion.

**1.3.12** Bidder should also note that there shall be no minimum guaranteed off-take by OIL. Payment shall be released by OIL only for the actual quantity consumed/purchased.

**1.3.13** As bit is a part of service and disposal of all used bit shall be responsibility of the bidder at their own cost. However, details of record of such bits to be verified by OIL prior to disposal.

**1.3.14** OIL (Oil India Limited, Operator) will use the bits from the lot/ consignment as required and the remaining **unused bits** shall be taken back by the service provider at their own cost.

**1.3.15** As bit is a part of service and disposed of all used bit shall be responsibility of the bidders at their own cost.

### 1.3.16 TECHNICAL SPECIICATION FOR BIT BASKET

**A. HYBRID /FUSION POLY CRYSTALLINE DIAMOND BIT** of sizes **17½", 12¼" and 8½"**

Hybrid/Fusion PDC bit to fulfil following requirements similar to Crush & Shear™ Hybrid Bit of Haliburton, Kymera Mach 5 Hybrid Drill Bit of Baker Hughes, AxeBlade + Sting Blade of Schlumberger or similar.

a) Formation Type: Compatible with Soft, Medium, Hard, Plastic and Coal Bed
b) Formation Transition: Should be Compatible with formation change.
c) Abrasive Formations: Should be Compatible with abrasive formation.
d) Hole Profile: Should be Compatible with Vertical, curve and lateral hole profile.
e) Compatibility: Should be Compatible with different BHA, RSS and Mud Motor.
f) Mud System: Should be Compatible with HPWBM
g) Scooping Action: Hybrid action like crushing and shearing.

The number of Blades and Cutter Size for different hole section should be as below:

| Sl No | Hole Size | No of Blade | Cutter Sizes |
|---|---|---|---|
| A | **17½"** | 05 or more | 16 mm or more |
| B | **12¼"** | 05 or more | 16 mm or more |
| C | | 06 or more | 16 mm or more |
| D | **8½"** | 04 or more | 13 mm or more |
| | | 05 or more | 13 mm or more |
| | | 06 or more | 13 mm or more |

| Sl No | Specification | Hole Size | | | | | |
|---|---|---|---|---|---|---|---|
| | | 17½" | 12¼" | | 8½" | | |
| 1 | Total Cutters | 50 or more | 40 or more | 50 or more | 30 or more | 30 or more | 30 or more |
| 2 | Special cutter (Stringer cutter, central cutter, Axe element cutter etc.) | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM |
| 3 | Cutter Size | 16 mm or more | 16 mm or more | 16 mm or more | 16 mm or more | 16 mm or more | 16 mm or more |
| 4 | Face Cutters | 30 or more | 26 or more | 20 or more | 15 or more | 20 or more | 17 or more |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | Gauge Cutters | 6 or more | 6 or more | 6 or more | 6 or more | 6 or more | 6 or more |
| 6 | Blade Count | 05 or more | 05 or more | 06 or more | 04 or more | 05 or more | 06 or more |
| 7 | Cone Cutters | 15 or more | 6 or more | 09 or more | 6 or more | 6 or more | 7 or more |
| 8 | Backup Cutters | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM |
| 9 | Bit Connection | 7⅝" API PIN | 6-⅝" API PIN | 6-⅝" API PIN | 4½ API PIN | 4½ API PIN | 4½ API PIN |
| 10 | Junk Slot (sq. in) | 70 or more | 40 or more | 25 or more | 13 or more | 13 or more | 13 or more |
| 11 | Gauge Length | 3.00" | 6.00" | 4.00" | 4.00" | 4.00" | 4.00" |
| 12 | Fishing Neck Diameter/Length (") | 9.0/3.0 or more | 8.0/ 6.0 or more | 8.0/5.0 or more | 6.0/5.0 or more | 6.0/5.0 or more | 6.0/5.0 or more |
| **OPERATING PARAMETER** | | | | | | | |
| 1 | Rotary Speed (RPM) | 140 To 300 | 140 To 300 | 140 To 300 | Suitable for RSS & PDM | Suitable for RSS & PDM | Suitable for RSS & PDM |
| 2 | Weight on Bit (lbf) | 15,000-60,000 | 6,000 to 30,000 | 7,500-50,000 | 5,000-32,000 | 5,000-32,000 | 5,000-32,000 |
| 3 | Weight on Bit (Tonnes) | 6.8-27 | 3-14 | 3-22 | 2-15 | 2-15 | 2-15 |
| 4 | Max Flow Rate (GPM) | 700 to 1450 | 500 to 1, 200 | 500 to 1, 200 | 250-800 | 250-800 | 250-800 |
| 5 | Hydraulic Horsepower | 1 to 6 (PSI) | 1 to 6 (PSI) | 1 to 6 (PSI) | 1 to 6 (PSI) | 1 to 6 (PSI) | 1 to 6 (PSI) |
| 6 | Makeup Torque | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM |

**Replaceable Nozzles Size**: 08 or more or as per manufacturer's standard to meet the drilling parameters stated below for optimum hydraulics.

**B. SHAPED CUTTER POLY CRYSTALLINE DIAMOND BIT OF SIZES 17½", 12¼" and 8½"**

Shaped Cutter PDC bit to fulfil following requirements similar to Cruzer™ Bit of Haliburton, Bit with StayCool™ / StabilisX / ShockWave / Prism / Apex cutter of Baker Hughes, HyperBlade/Starta/Axe of Schlumberger or similar.

a) Formation Type: Compatible with Soft, Medium, Hard, Plastic and Coal Bed
b) Formation Transition: Should be Compatible with formation change.
c) Abrasive Formations: Should be Compatible with abrasive formation.
d) Hole Profile: Should be Compatible with Vertical, curve and lateral hole profile.
e) Compatibility: Should be Compatible with different BHA, RSS and Mud Motor.
f) Mud System: Should be Compatible with HPWBM
g) Scooping Action: Shearing.

The number of Blades and Cutter Size for different hole section should be as below:

| Sl No | Hole Size | No of Blade | Cutter Sizes |
|---|---|---|---|
| A | **17½″** | 05 | 16 mm or more |
| | | 06 | 19 mm |
| B | **12¼″** | 05 | 16 mm |
| C | | 06 | 16 mm |
| | | 06 | 19 mm |
| D | **8½″** | 05 | 16 mm |
| | | 06 | 16 mm |
| | | 05 | 19 mm |

| Sl No | Specification | | Hole Size | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | **17½″** | | **12¼″** | | | **8½″** | | |
| 1 | Total Cutters | 40 or more | 80 or more | 60 or more | 60 or more | 60 or more | 30 or more | 40 or more | 26 or more |
| 2 | Special cutter like hyper cutter/axe/ strata etc. | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM |
| 3 | Cutter Size | 16 mm or more | 19 mm | 16 mm | 16 mm | 19 mm | 16 mm | 16 mm | 19 mm |
| 4 | Face Cutters | 30 or more | 45 or more | 30 or more | 34 or more | 28 or more | 20 or more | 30 or more | 13 or more |
| 5 | Gauge Cutters | 5 or more | 6 or more | 05 or more | 6 or more | 05 or more | 5 or more | 6 or more | 5 or more |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 6 | Blade Count | 6 5 | 6 | 5 | 6 | 6 | 5 | 6 | 5 |
| 7 | Cone Cutters | 14 or more | 15 or more | 15 or more | 11 or more | 9 or more | 4 or more | 8 or more | 8 5 or more |
| 8 | Backup Cutters | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM |
| 9 | Bit Connection | 6-⅝" API PIN | 6-⅝" API PIN | 6-⅝" API PIN | 6-⅝" API PIN | 6-⅝" API PIN | 4½ API PIN | 4½ API PIN | 4½ API PIN |
| 10 | Junk Slot (sq. in) | 80 and above | 70 and above | 40 and above | 30 and above | 35 and above | 18 or more | 13 or more | 11 or more |
| 11 | Gauge Length | 4.00 | 4.00 | 3.00 | 3.00 | 3.00 | 2.0 | 4.00 | 2.00 |
| 12 | Fishing Neck Diameter /Length (") | 9.28/6.294 | 9.28/6.294 | 8.0/6.181 | 8.0/4.97 | 8.0/6.181 | 6.00:3.765 | 6.0/5.381 | 6.0/4.793 |
| 13 | Nozzles | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM |
| **OPERATING PARAMETER** | | | | | | | | | |
| 1 | Rotary Speed (RPM) | Suitable for RSS & PDM | | Suitable for RSS & PDM | Suitable for RSS & PDM | Suitable for RSS & PDM | Suitable for RSS & PDM | Suitable for RSS & PDM | Suitable for RSS & PDM |
| 2 | Weight - on Bit (lbf) | 9,000-42,000 | | 6,000-40,000 | 6,000-40,000 | 6,000-40,000 | 5000-32000 | 5000-29000 | 5000-32000 |
| 3 | Weight - on Bit (Tonnes) | 4-9 | | 3-18 | 3-18 | 3-18 | 2-15 | 2-13 | 2-15 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 4 | Max Flow Rate (GPM) | 700-1450 | 500-1200 | 500-1200 | 500-1200 | 250-800 | 250-800 | 250-800 |
| 5 | Hydraulic Horsepower | 1-6 psi | 1-6 PSI | 1-6 PSI | 1-6 PSI | 1-6 | 1-6 | 1-6 |
| 6 | Makeup Torque | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM |

Replaceable Nozzles Size : 10/08 or as per manufacturer's standard to meet the drilling parameters stated below for optimum hydraulics.

**C. BITS WITHIN BIT SENSING CRYSTALLINE DIAMOND BIT** of sizes **17½", 12¼" and 8½"**

High speed data from the drill bit (bit sensing) PDC bit to fulfil following requirements similar to Cerebro Bit of Haliburton, Bit with multi-sense features , Synapse of Schlumberger or similar.

a) Formation Type: Compatible with Soft, Medium, Hard, Plastic and Coal Bed
b) Formation Transition: Should be Compatible with formation change.
c) Abrasive Formations: Should be Compatible with abrasive formation.
d) Hole Profile: Should be Compatible with Vertical, curve and lateral hole profile.
e) Compatibility: Should be Compatible with different BHA, RSS and Mud Motor.
f) Mud System: Should be Compatible with HPWBM
g) Scooping Action: Shearing.

The number of Blades and Cutter Size for different hole section should be as below:

| Sl No | Hole Size | No of Blade | Cutter Sizes |
|---|---|---|---|
| A | **17½"** | 06 | 16 mm |
| | | 06 | 19 mm |
| B | **12¼"** | 05 | 16 mm |
| C | | 06 | 16 mm |
| D | **8½"** | 05 | 16 mm |
| | | 06 | 16 mm |
| | | 08 | 19 mm |

| Sl No | Specification | Hole Size | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 17½" | | 12¼" | | 8½" | | |
| 1 | Total Cutters | 40 or more | 90 or more | 80 or more | 60 or more | 30 or more | 40 or more | 26 or more |
| 2 | Special cutter like hyper | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | cutter/axe / strata etc. | | | | | | | |
| 3 | Cutter Size | 16 mm | 19 mm | 16 mm | 16 mm | 16 mm | 16 mm | 19 mm |
| 4 | Face Cutters | 30 | 45 | 20 or more | 20 or more | 20 or more | 30 or more | 20 or more |
| 5 | Gauge Cutters | 5 | 6 | 10 or more | 6 or more | 5 or more | 6 or more | 5 or more |
| 6 | Blade Count | 6 | 6 | 5 | 6 | 5 | 6 | 5 |
| 7 | Cone Cutters | 14 | 17 | 16 or more | 11 or more | 4 | 7 or more | 8 or more |
| 8 | Backup Cutters | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM |
| 9 | Bit Connection | 6-⅝" API PIN | 6-⅝" API PIN | 6-⅝" API PIN | 6-⅝" API PIN | 4½ API PIN | 4½ API PIN | 4½ API PIN |
| 10 | Junk Slot ( sq. in) | 80 and above | 70 and above | 40 and above | 30 and above | 35 and above | 18 or more | 13 or more |
| 11 | Gauge Length | 4.00 | 4.00 | 3.00 | 3.00 | 2.0 | 4.00 | 2.00 |
| 12 | Fishing Neck Diameter/Length (“) | 9.28/6.294 | 9.28/6.294 | 8.0/6.181 | 8.0/4.97 | 8.0/6.181 | 6.00:3.765 | 6.0/5.381 |
| 13 | Nozzles | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM |
| **OPERATING PARAMETER** | | | | | | | | |
| 1 | Rotary Speed (RPM) | Suitable for RSS & PDM | Suitable for RSS & PDM | Suitable for RSS & PDM | Suitable for RSS & PDM | Suitable for RSS & PDM | Suitable for RSS & PDM | Suitable for RSS & PDM |
| 2 | Weight on Bit (lbf) | 9,000-42,000 | 6,000-40,000 | 6,000-40,000 | 5000-32000 | 5000-29000 | 5000-32000 | |
| 3 | Weight on Bit (Tonnes) | 4-9 | 3-18 | 3-18 | 2-15 | 2-13 | 2-15 | |
| 4 | Max Flow Rate (GPM) | 700-1450 | 500-1200 | 500-1200 | 250-800 | 250-800 | 250-800 | |
| 5 | Hydraulic Horsepower | 1-6 psi | 1-6 PSI | 1-6 PSI | 1-6 | 1-6 | 1-6 | |
| 6 | Makeup Torque | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM | As per OEM | |

Replaceable Nozzles Size : 10/08 or as per manufacturer's standard to meet the drilling parameters stated below for optimum hydraulics.

**D. BITS WITH SPECIAL FEATURES CRYSTALLINE DIAMOND BIT** of sizes **17½", 12¼" and 8½"**

PDC bit with special features (Impact Arrestors, Depth of Cut Control etc) to fulfil following requirements similar to Geometrix™ Shaped Cutters of Haliburton, Shockwave of Baker Hughes, Thermo Cutters of Schlumberger or similar.

a) Formation Type: Compatible with Soft, Medium, Hard, Plastic and Coal Bed
b) Formation Transition: Should be Compatible with formation change.
c) Abrasive Formations: Should be Compatible with abrasive formation.
d) Hole Profile: Should be Compatible with Vertical, curve and lateral hole profile.
e) Compatibility: Should be Compatible with different BHA, RSS and Mud Motor.
f) Mud System: Should be Compatible with HPWBM
g) Scooping Action: Shearing.

The number of Blades and Cutter Size for different hole section should be as below:

| Sl No | Hole Size | No of Blade | Cutter Sizes |
|---|---|---|---|
| a | **17½"** | 06 | 16 mm |
| b | **12¼"** | 05 | 19mm or more |
| | | 06 | 16 mm |
| | | 07 | 16mm or more |
| c | **8½"** | 05 | 13mm or more |
| | | 06 | 16 mm 13mm or more |
| | | 07 | 13mm or more |
| | | 08 | 13mm or more |

| Sl No | Specification | Hole Size | | | |
|---|---|---|---|---|---|
| | | **17½"** | **12¼"** | | |
| 1 | Total Cutters | 40 or more | 60 or more | 60 or more | 60 or more |
| 2 | Special cutter like hyper cutter etc. | As per OEM | As per OEM | As per OEM | As per OEM |
| 3 | Cutter Size | 16 mm | 16 mm | 16 mm | 16 mm |
| 4 | Face Cutters | 30 | 30 or more | 30 or more | 30 or more |
| 5 | Gauge Cutters | 5 or more | 5 or more | 6 or more | 6 or more |
| 6 | Blade Count | 6 or more | 5 or more | 6 or more | 6 or more |
| 7 | Cone Cutters | 14 or more | 10 or more | 10 or more | 10 or more |
| 8 | Backup Cutters | As per OEM | As per OEM | As per OEM | As per OEM |
| 9 | Bit Connection | 6⅝" API PIN | 6⅝" API PIN | 6-⅝" API PIN | 6-⅝" API PIN |
| 10 | Junk Slot (sq. in) | 80 and above | 70 and above | 40 and above | 30 and above |

| | | | | | |
|---|---|---|---|---|---|
| 11 | Gauge Length | 4.00 | 3.00 | 3.00 | 3.00 |
| 12 | Fishing Neck Diameter/Length (") | 9.28/6.294 | 8.0/4.97 | 8.0/4.97 | 8.0/4.97 |
| 13 | Nozzles | As per OEM | As per OEM | As per OEM | As per OEM |
| | | | | | |
| 1 | Rotary Speed (RPM) | Suitable for RSS & PDM | Suitable for RSS & PDM | Suitable for RSS & PDM | Suitable for RSS & PDM |
| 2 | Weight on Bit (lbf) | 9,000-42,000 | 6,000-40,000 | 6,000-40,000 | 6,000-40,000 |
| 3 | Weight on Bit (Tonnes) | 4-9 | 3-18 | 3-18 | 3-18 |
| 4 | Max Flow Rate (GPM) | 700-1450 | 500-1200 | 500-1200 | 500-1200 |
| 5 | Hydraulic Horsepower | 1-6 psi | 1-6 PSI | 1-6 PSI | 1-6 PSI |
| 6 | Makeup Torque | As per OEM | As per OEM | As per OEM | As per OEM |

| Sl No | Specification | | | | |
|---|---|---|---|---|---|
| | | 8-1/2” | | | |
| 1 | Total Cutters | 40 or more | 60 or more | 70 or more | 80 or more |
| 2 | Special cutter like hyper cutter etc. | | | | |
| 3 | Cutter Size | 16 mm or more | 16 mm or more | 16 mm or more | 16 mm or more |
| 4 | Face Cutters | 30 or more | 30 or more | 30 or more | 30 or more |
| 5 | Gauge Cutters | 5 or more | 6 | 6 or more | 6 or more |
| 6 | Blade Count | 5 or more | 6 or more | 6 or more | 6 or more |
| 7 | Cone Cutters | 4 or more | 6 or more | - 5 or more | 6or more |
| 8 | Backup Cutters | As per OEM | As per OEM | As per OEM | As per OEM |
| 9 | Bit Connection | 6⅝" API PIN 4-1/2” API PIN | 6-⅝" API PIN 4-1/2” API PIN | 6⅝" API PIN 4-1/2” API PIN | 6⅝" API PIN 4-1/2” API PIN |
| 10 | Junk Slot (sq. in) | 13.029 or more | 13.029 or more | 13.029 or more | 9.087 or more |
| 11 | Gauge Length | 4.00 | 4.00 | 4.00 | 4.00 |
| 12 | Fishing Neck Diameter/Length (") | 6.0/5.381 | 6.0/5.381 | 6.0/5.381 | 6.0/5.381 |
| 13 | Nozzles | As per OEM | As per OEM | As per OEM | As per OEM |
| | | | | | |
| 1 | Rotary Speed (RPM) | Suitable for RSS & PDM | Suitable for RSS & PDM | Suitable for RSS & PDM | Suitable for RSS & PDM |
| 2 | Weight on Bit (lbf) | 5000-32000 | 5000-32000 | 5000-32000 | 5000-32000 |
| 3 | Weight on Bit (Tonnes) | 2-15 | 2-15 | 2-15 | 2-15 |
| 4 | Max Flow Rate (GPM) | 250-800 | 250-800 | 250-800 | 250-800 |
| 5 | Hydraulic Horsepower | 1-6 | 1-6 | 1-6 | 1-6 |
| 6 | Makeup Torque | As per OEM | As per OEM | As per OEM | As per OEM |

Replaceable Nozzles Size : 10/08 or as per manufacturer's standard to meet the drilling parameters stated below for optimum hydraulics.

**Note**: Bidder to provide a digital drilling record combined with a detailed post well analysis to deliver lower cost-per-foot with minimized non-productive time (NPT) for multiple well applications under clause 1.3.

**1.3.17 SALES VOLUME**

Number of bits supplied globally in proposed bit types (Basic Configuration- Bit Technology, Blade Count and Cutter Size) in last three years (2018, 2019 and 2020) Purchase / Invoice Reference with serial numbers and customer name in PDF Format

**1.3.18** Annual report or any Published document indicating the type of bit and its sale volume.

**1.3.19** Following information is to be provided against each size of TCR/INSERT/PDC bits (viz. 17½", 12¼", 8½" and 6"). The information required is for the last three years.

| Sl No | Bits | Performance of Bits | Any published authentic document | Supporting Documents enclosed | Bit records |
|---|---|---|---|---|---|
| 1 | Best Five Performances of proposed 17½" TCR bits in last three years ((2018, 2019 and 2020) (Basic Configuration- Bit Technology, Blade Count and Cutter Size | | | | |
| 2 (a) | Best Five Performances of proposed 12¼" TCR and PDC bits in last three years ((2018, 2019 and 2020) (Basic Configuration- Bit Technology, Blade Count and Cutter Size) | | | | |
| 2(b) | | | | | |
| 3(a) | Best Five Performances of proposed 8½" TCR/PDC/Insert bits in last three years (2018, 2019 and 2020)) (Basic Configuration- Bit Technology, Blade Count and Cutter Size) | | | | |
| 3(b) | | | | | |
| 3(c) | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| 4(a) | Best Five Performances of proposed 6" PDC bits in last three years ((2018, 2019 and 2020) (Basic Configuration- Bit Technology, Blade Count and Cutter Size | | | | |
| 4(b) | | | | | |
| 4(c) | | | | | |

**Note:**

(i) Bidder has to supply bit at drilling location without any additional cost other than the quoted rate in SOR.

(ii) OIL may outright purchase suitable left-over bits at the end of contract period at the sole discretion of OIL in a mutually agreed price but not more than the quoted price. Quantity of bits retained at the end of contract period shall not exceed the initially ordered quantity against the contract.

## PART-3: SECTION-III

## SPECIAL CONDITIONS OF CONTRACT (SCC)

**The following Special Conditions of Contract (SCC) shall supplement and/or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.**

**1.0** **DEFINITIONS**: Following terms and expressions shall have the meaning hereby assigned to them unless the context otherwise requires:

(a) "**Services**" means the services to be provided by the Contractor for carrying out logging while drilling operations in accordance with the approved well plan including but not limited to

(i) All tools, equipment, consumables from Contractor required for OIL's operation and

(ii) All tools, equipment, spares required for servicing / maintenance of Contractor's Tool & Equipment, as stipulated in the Terms of Reference/Technical Specification at Section-II of Part-3 in this bid document.

(b) "**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.

(c) "**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 approved by OIL for the purposes of the CONTRACT together with any other places designated in the CONTRACT as forming part of the site.

(d) "**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.

(e) "**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.

(f) "**Contractor's personnel**" mean the personnel as mentioned under section terms of reference and technical specification, to be provided by Contractor from time to time to conduct operations hereunder.

(g) "**The work**" means each and every activity required for the successful performance of the services described in Scope of work of the tender document as set out hereof.

(h) "**Contractor**" means the person or persons, firm or COMPANY or corporation incorporated in India or abroad, who has been awarded with the contract and includes contractor’s legal representatives, his successors and permitted assigns.

(i) **“Client”** means to whom the service is rendered against a written agreement

like Letter of Intent (LOI)/Letter of Award (LOA), or Work Order(s).

(j) "**Day**" means a calendar day of twenty-four consecutive hours beginning at 06.00 hrs and ending at 06.00 hrs on the next day.

(k) "**Approval of Manpower**" means no objection against the deployment under the contract.

(l) "**Facility**" means and includes all property of company owned or hired, to be made available for services under this contract which is or will be a part of the company.

(m) "**Inter-Location-Movement**" of Contractor's item(s) means transfer of Contractor's item(s) (i) from one location to another location (irrespective of the status of location), (ii) from one OIL designated area to another OIL designated area.

(n) "**Company's Base**" means Duliajan/or subsequently changed place from where the operation will be controlled.

(o) "**Base camp**" or **Contractor's Operational base camp** means the camp / hired accommodation where the Contractor's personnel shall reside for carrying out the operations. OIL shall not assume any responsibility towards selection of land, operation, maintenance etc. of camp/Accommodation. It will be contractor's responsibility to maintain adequate space and utilities at their designated base in and around Duliajan for storage of their Equipment, Tools etc. and workshop needs. All costs associated with establishing and running such facility will be to the Contractor's account.

(p) "**Certificate of completion**" means certificate issued by the company to the contractor stating that he has successfully completed the works/jobs assigned to him and submitted all necessary reports as required by company. **SCC clause 25.7)**

(q) **ABBREVIATIONS**

(i) "OMR" is Oil Mines Regulations

(ii) "MVT" is Mines Vocational Training

(iii) "NABL" is National Accreditation Board for Testing and Calibration Laboratories

(iv) "ILM" is Inter-Location Movement

(v) "WBM" Water based Mud.

(vi) "SOBM" Synthetic Oil based Mud

(vii) "OEM" Original Equipment Manufacturer

(viii) "OIL" Oil India Limited

(ix) "LTIF" Loss Time Injury Frequency.

## 2.0 MOBILIZATION

(i) **MOBILIZATION OF THE TOOLS/SERVICES:**

(a) The mobilization of the individual service package (**Regular and Call Out Service**) shall commence on the date as mentioned in the mobilization notice from Drilling department against the Contract for each Regular and Call out service under IDS-3 individually and continue till the completion of mobilization of the respective service packages**.**

(b) The mobilization of equipment, personnel etc. of each individual set(s) (main items) and mud engineering services should be completed by **Contractor within 120 days** from the individual Mobilization notice for each individual set(s) issued by Drilling Services Department. However, the 6" common set shall be mobilized along the mobilization of the first individual set. This notice will be issued depending on the availability and readiness of drilling location. Mobilization of each individual package shall be deemed to be completed when Contractor's particular set(s) is complete with all equipment/tools(including minimum required back up tools) 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.

(c) The mobilization against callout within the 6" set shall issued by Drilling department for each individual callout tools should be completed by **Contractor within 60 days** from the individual Mobilization notice for each individual callout items. Mobilization of each individual Callout tool within the 6" set shall be deemed to be completed when all the Callout tools along with the minimum required back up tools are placed at the nominated location in readiness to commence work as envisaged under the Contract, duly certified by the Company's authorized representative.

(d) Mobilization of Call out centrifuge including manpower are to be completed within 30 days from the date of issue of Mobilization Notice**.**

**NOTE:**

a. Mobilization charges will be payable after the commencement date as certified by the company.

b. The succeeding day of issue of mobilization/demobilization notice shall be counted as day 01 for the purpose of Mobilization/Demobilization period.

c. OIL will certify within 03 working days for the initial mobilization after receipt of intimation from the contractor. For successive re-mobilization, contractor must intimate OIL about arrival of the tools and OIL will inspect the tools/ equipment for each re-mobilization within 03 working days of receipt of intimation from the contractor. Date of completion of mobilization / re-mobilization will be considered from the date of successful inspection carried out by OIL representative.

ii. For supply of bits, an assorted of all consignment and 5-10% of total bits to ready for use in Duliajan within **120 days** from the date of 1st mobilization notice.

**NOTE**:

a. OIL has the discretion to decide the 5-10% quantity either from total bit to be supplied under the contract considering four years duration or annualised quantity of the total bits to be supplied under the contract with a provision excluding or including the bits required under bit basket and high-tech bits.

b. After the 1st mobilisation notice, detail break up of assorted types will be decided by OIL in consultation with IDS co-ordinator. The Subsequent quantities of drill bits are to be delivered at Duliajan within 75 (Seventy-five) days of issue of order for replenishment quantity of drill bits.

(iii) **INTERIM DE-MOBILIZATION & RE-MOBILIZATION**:

(a) **Interim De-Mobilization**: In case of need for lean period/temporary suspension of Company's activity due to operational reasons, the Company retains the right to demobilize Contractor's personnel, equipment & tools on interim basis and remobilize the consignment when well operations recommence.

(b) **Interim Re-mobilization**: Individual Package(s) and Personnel as per the scope of work as indicated by OIL shall have to be re-mobilized on interim basis by the Contractor within **45 (Forty-five)** days from the date of issuance of interim remobilization notice.

**NOTE:** On receipt of Re-mobilization notice from Drilling Department, Contractor should complete the re-mobilization of service package with tool, equipment & personnel on interim basis within the stipulated time period at the designated location/drill site in readiness to commence work as envisaged under the Contract as per SoW, duly certified by the Company's authorized representative.

(i) Re- Mobilization charges will be payable after completion of re-mobilization as certified by the company.

(ii) The succeeding day of issue of re-mobilization/demobilization notice shall be counted as day 01 for the purpose of Re-Mobilization period.

(iii) For successive re-mobilization, contractor must inform OIL about arrival of the tools and OIL will inspect the tools/equipment for each re-mobilization within 03 working days of receipt of intimation from the contractor. Date of completion of re-mobilization will be considered from the date of successful inspection carried out by OIL representative.

**3.0 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.

**4.0 DATE OF COMMENCEMENT OF OPERATION:** The date on which the Contractor completes initial mobilization of his crew and equipment for the first package along with consumables in all respects shall be treated as date of Commencement of Contract.

**5.0 DURATION OF CONTRACT**

The contract shall be initially for a period of 04 (four) years from the date of commencement of operation. The terms and conditions shall continue until the completion/ abandonment of the last well being drilled at the time of end of the contract.

**6.0 INSPECTION**

(i) Inspection will be carried out jointly by OIL team and the contractor after completion of the initial mobilization and OIL will certify the completion.

(ii) **THIRD PARTY INSPECTION**:

Bidder to arrange for TPI wherever applicable, before initial mobilisation as per applicable API /ISO/DS-1 standard.

**7.0 PERFORMANCE SECURITY:** 5% of Contract value. Contractor shall submit performance security within 30 days from the date of issue of LOA.

**8.0 TERMS OF PAYMENT**

On account, payment may be made, not often than monthly, up to the amount of 100% of the value of work done. Final payment will be made only after satisfactory completion of the work. Such final payment shall be based on the work actually done allowing for deviations and any deductions and the measurement shall be checked and certified correct by the Company's Engineer before any such final payment is made.

**9.0 SUBMISSION OF INVOICE**: Monthly

All Invoices are to be sent to the following address:

**CGM (Drilling Services)**

Oil India Limited,

P.O. Duliajan-786602

Dist. Dibrugarh, Assam

**Note:** If the designation of HoD changes, same will be addressed to his/her new designation.

**10.0 AGENT COMMISSION:** Not Applicable.

**11.0 INSURANCE**: As per GCC.

**12.0 ARBITRATION:** The place for arbitration against this contract shall be Guwahati, Assam

**13.0 DE-MOBILIZATION:** Individual service packages including Personnel as per the scope of work as indicated by OIL shall have to be de-mobilized (removed from OIL's site) by the Contractor within 03 (Three) weeks from the date of issuance of final de-mobilization letter for each service package. However, no

charges will be payable from the date of issue of the final de-mobilization notice.

**NOTE:** The succeeding day of issue of demobilization notice shall be counted as day 1 for the purpose of Demobilization period.

## 14.0 ASSOCIATION OF COMPANY'S PERSONNEL

(i) Company may depute one or more than one representative (s) / engineer (s) to act on its behalf for overall co-ordination and operational management at location. The company's representative will be vested with the authority to order any changes in the scope of work to the extent so authorized and notified by the Company in writing. He shall liaise with the Contractor and monitor progress to ensure timely completion of the jobs. He shall also have the authority to oversee the execution of jobs by the Contractor and to ensure compliance with the provisions of the contract.

(ii) Company's representatives shall have free access to all the equipment of the Contractor during operations as well as idle time for the purpose of observing /inspecting the operations performed by the Contractor in order to judge whether, in Company's opinion, the Contractor is complying with the provisions of the contract.

(iii) The monitoring and overseeing of the jobs under the Contract by the Company's personnel/representative shall not absolve or reduce the obligations of the Contractor under the Contract in any manner.

## 15.0 LIQUIDATED DAMAGE FOR DELAY IN MOBILIZATION/COMPLETION OF WORKS AND SERVICES

### A. REGULAR PACKAGE

(i) Time is the essence of the contract. In the event of the Contractor's default in timely mobilization for commencement of services (any of the 02 packages) within the stipulated period, the Contractor shall be liable to pay liquidated damages @ 0.5% of the total contract value for the particular package, including mobilization cost, per week or part thereof of delay subject to a maximum of 7.5% of the total contract value for the particular package. Liquidated Damages will be reckoned from the date after expiry of the scheduled mobilization period till the date of commencement of Operation.

(ii) For calculation of the value of a particular package for the purpose of LD, the total cost for IDC Coordinator (total cost under Item-A of Price Bid Format), RSS-SDMM-MWD-LWD services (total cost under Item-B of Price Bid Format) and Cost of Mud Engineering service excluding the cost of Centrifuge (under Item-C of Price Bid Format) shall be divided by two.

(iii) If the Contractor fails to mobilize the regular service or consumables or call out service or call out tools/consumables under the contract as applicable within 15 weeks after the stipulated date, then the Company reserves the right

(iv) 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.

**B. CALL OUT SERVICES**:

In the event of the Contractor's default in timely mobilization for commencement of call out services within the stipulated period, the Contractor shall be liable to pay liquidated damages @ 0.5% of the total contract value of the callout service upto maximum 7.5% of the total contract value of the callout service, against which the delay occurs, including mobilization cost, per week or part thereof of till the completion of the mobilisation. Liquidated Damages will be reckoned from the date after expiry of the scheduled mobilization period till completion of mobilisation.

**C. BITS**

In the event of the Contractor's default in timely mobilization of ordered bits, the Contractor shall be liable to pay liquidated damages @ 0.5% of the quoted value per week or part thereof against each ordered (initial and replenishment) Bit individually maximum upto 7.5%. Liquidated Damages will be reckoned from the expiry date of the scheduled mobilization period as defined within the ambit of the contract.

**16.0 ACCOMMODATIONS [WELL-SITE ACCOMMODATION AND BASE CAMP**:

(i) Contractor will be allowed to arrange accommodation at their own cost at well site for their personnel. If contractor is permitted to arrange accommodation for their personnel at any well site, selection of site shall be done with the agreement of Company representative.

(ii) Contractor has to provide accommodation bunk house(s) for their personnel. All electrical apparatus and accessories including Air Conditioner of all bunk houses to be deployed in the well site/location, must be of FLP type. The electrical apparatus and accessories need to be DGMS approved for placement of the same in DGMS classified hazardous area. Should be suitable for use in hazardous area of zone-I and gas group IIA & IIB in oil mine and shall conform to IS/IEC/EN: 60079-0:2011 & IS/IEC/EN: 60079-1:2007 as per clause No.: 107 of OMR-2017.The bunk house should come with 150 m 3-Phase Power cable. However, OIL may provide 01(one) No. 4 (four) bedded accommodation bunk house for contractor’s personnel at well site subjected to availability, only in case of work exigency.

(iii) The base camp for contractor personnel in Assam & NE States shall be entirely Contractor's responsibility. Safety and security of the contractor's personnel at any camp(s) including compliance of fire hazard & regulation will be contractor's sole responsibility.

**17.0 WARRANTY AND REMEDY OF DEFECTS:**

Contractor has to perform all its services under this Agreement with all reasonable skill, diligence and care in accordance with sound industry practice to the satisfaction of Company and accepts full responsibility for the satisfactory delivery of quality of such services performed by it. Any defect/deficiencies noticed, Contractor within 15 (fifteen) days upon the receipt of written notice from the Company (OIL), shall improve their performance/ correct such deficiencies failing which the Company (OIL) will have right to

terminate the Contract by giving the Contractor written notice with immediate effect.

**The defect liability period against this contract shall be 3 (three) months after final demobilization notice.**

## 18.0 WORK CULTURE

Contractor personnel shall carry out operations hereunder with due diligence and in safe and workman like manner according to good international oilfield practice. They shall maintain strict discipline and good conduct among themselves at workplace.

## 19.0 APPROVAL OF MANPOWER:

(i) Contractor shall have to obtain prior approval/NOC from the Company before deployment of personnel in the rig. Applications seeking approval shall have to be submitted by the contractor ahead of proposed date of deployment. All applications shall be submitted to HOD of Drilling Services and shall be forwarded to concerned section/ department for scrutiny. Contractor shall not deploy manpower in the mine without formal approval/No Objection Comment from OIL

(ii) The following documents shall have to be submitted along with the letter seeking approval.

(a) Bio data of the candidate with photograph.

(b) Photocopy of relevant pass certificates and other proficiency certificates as required under Scope of work (original to be produced on demand).

(c) Copy of experience certificates (original to be produced on demand).

(d) Undertaking from Contractor's personnel for not claiming employment or any service benefit available to Company's employee as per **Proforma Y.**

**NOTE:**

(a) **Once the manpower for the Service is approved/NOC by OIL, the Contractor has to issue appointment letters to all the personnel as per the Contract labour act if newly employed or submit the appointment letter if already issued.**

(b) Company reserves the right to instruct for removal of any Contractor's personnel who in the opinion of Company is technically not competent or not rendering the services faithfully, or due to other reasons. The replacement of such personnel will also be fully at cost of the Contractor and the Contractor shall have to replace this/these personnel within Ten (10) days of such instruction. The replacement personnel must have the requisite qualification and experience as indicated in the contract and their credentials along with recent photographs must be submitted to Company for approval prior to their engagement.

(c) During the currency of the contract, if any of the key personnel is to be replaced; the incumbent must be approved ones under the same contract or must get approved fulfilling all the criteria of contract agreement. As soon as

the term or period of the contract expires, accordingly the approval of personnel will also get expired or terminated.

(iii) The Contractor shall be responsible for arranging relief of personnel during vacations, statutory off days, sickness etc. entirely at their cost. The relief personnel also must have the similar experience and the Contractor will have to obtain prior approval from the Company for the relief personnel of the Contractor.

(iv) The Contractor will have to ensure that the statutory off days are given to Contractor's personnel and that the personnel are not engaged continuously for a prolonged period which amounts to violation of Mines Act, 1952.

(v) Company shall assist contractor in obtaining all security/entry passes into the Company's Industrial and operational Area, whenever required by the Contractor's personnel in connection with the contract. However, Contractor shall fulfil all necessary formalities including liaising with Company/CISF in this regard as per norms of the Company/CISF.

(vi) It will be the responsibility of the Contractor to obtain restricted area permit/Assam entry permit/Inner line permit for Contractor's personnel (the Company will assist to the extent possible) for entering into NE states of India.

(vii) Contractor shall give or provide all necessary supervision during the performance of the services and as long thereafter as Company may consider necessary for the proper fulfilling of Contractor's obligations under the contract.

(viii) Contractor shall deploy local people, wherever possible, for un-skilled personnel under the contract.

(ix) **Company reserves the right to instruct Contractor for removal of any Contractor's personnel for:**

(a) Misbehaviour, indiscipline and for misdemeanor And/Or,

(b) For technical incompetence and for not rendering the services faithfully And/Or,

(c) For indulging in canvassing against Company in press/other media And/Or,

(d) For leaking information about Company operations to outside parties.

(x) The Contractor shall replace undisciplined personnel within of 10 Days. However, 3 days' notice shall be served by Company to replace undisciplined personnel.

(xi) Further, the replacement for these personnel shall be completed as per specified time period as mentioned in above para from the date of receipt of instruction from the Company and at the cost of the Contractor. However, the Deficiency Clause of the Agreement shall be applicable.

(xii) The Contractor will be responsible for all transportation of his personnel from their place of origin to their base at Duliajan and back. However, the Contractor will also be responsible for all transportation facilities of his personnel including movement to work site from wherever they stay. The

Company shall not render any type of transportation to Contractor's personnel at any time except any emergency.

(xiii) Contractor shall provide own identity cards for their personnel engaged under the contract and also shall possess identity card/pass of the Company. Person(s) not having identity cards shall be treated as unauthorized person(s) and shall not be allowed to perform duty**.**

(xiv) In the event of the rig or its components, ancillaries, equipment etc. supplied /owned by the Company are damaged/ lost due to the carelessness/ negligent handling by the Contractor's personnel, the Contractor will be liable for such damages on the basis of the Company's estimated cost of replacement as reduced by any insurance claim which may occur to the Company plus 7% towards handling charges on the cost of such replacement.

(xv) If the Contractor fails to provide manpower as per the 'Scope of Work' of the contract, the Company reserves the right not to pay for the affected day(s). Moreover, the Contractor shall be liable to pay penalty for the same number of non-working hours/days) as per deficiency clause & sub clauses.

**20.0 CONTRACTOR'S PERSONNEL:**

(i) Except as otherwise hereinafter provided, the selection, replacement, and Contractor shall determine remuneration of contractor's personnel. Such employees shall be employees solely of 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 the actual deployment. The contractor shall not deploy its personnel unless cleared by the company.

(ii) The Contractor shall appoint a IDS Co-Coordinator as the Contractor's representative who shall be in charge of Contractor's personnel /equipment and who shall have full authority to resolve all day-to-day matters including any issues of site –if any arises at the site.

(iii) The Contractor will provide on regular basis, all category of their employee competent, suitably qualified and adequately experienced personnel for necessary supervision and execution in carrying out the requisite operations correctly and efficiently throughout the Contract period in a professional manner. Personnel provided by the Contractor must observe all safety and statutory norms applicable to the Company. Their performance must be to the satisfaction of the Company and the Contractor must be willing and ready to replace, at their own expenses, any of their personnel who are not found suitable by the Company.

(iv) The detailed bio data of the service engineer/specialist and other operators and the number of additional personnel planned to be deployed must be submitted to Company with necessary documents before engaging them for Company's approval. (As per **ANNEXURE-P**)

**NOTE:** Any replacement with equivalent qualification/experience needs OIL's prior written approval.

(v) All the personnel deployed should be fluent either in English or Hindi or Assamese language.

(vi) The Contractor shall be solely responsible for and shall provide for all requirements of his personnel, and of their Sub-Contractor(s), if any. These provisions will include but not be limited to their insurance, housing, medical services, messing, transportation (both air and land transportation), vacation, salaries and all amenities, termination payments, all immigration requirements and taxes, if any, payable in India or outside at no extra charges to the Company. Boarding and local transportation of Contractor's personnel during the entire duration of the contract shall be arranged by Contractor at their cost.

(vii) The Contractor's representative shall have the entire power requisite for performance of the work. He shall liaise with the Company's representative for the proper co-ordination and timely completion of the job and on any other matters pertaining to the job.

(viii) In case Contractors deploying foreign nationals required for execution of all work under the Service are required to have all necessary clearances as per the Govt. of India regulations.

(ix) Foreign Nationals in case deployed under the service should have proper work Visa as per the Govt. of India regulations.

(x) Transportation of Contractor's personnel shall be the responsibility of Contractor.

(xi) If there is no separate payment like directional service has been specifically mentioned, it is deemed to be understood that all charges for personnel are included in Tool Operating & Stand by charges. No separate charges shall be payable for the personnel being deployed.

**21.0 SUBCONTRACTING:** Sub-contracting is allowed for **petty services** like catering, transportation of man & materials etc, and **JAR** under this contract with prior approval of OIL.

**22.0 SCHEDULE OF PENALTY**

(i) **PERSONNEL**

Provision of adequate manpower of required technical skill for carrying out all services in accordance with accepted terms and conditions is the essence to the contract. In case of Contractor's failure to deploy the personnel as per the standard deployment pattern as set out in scope of work, penalty shall be levied to contractor at the following rates:

| TABLE NO. (17): SCHEDULE OF PENALTY [MANPOWER] | | |
|---|---|---|
| **Sl. No.** | **Deficiency of Competent Official** | **Penalty** |
| **1** | **Base Coordinator** | • No deduction for three days against prior approval<br>• Beyond 03 days, 10% of the ODR rate of the active sets (both package) till suitable replacement duly approved by Oil India Ltd. arrives. |
| 2 | **LWD/MWD Engineer** | 10% of the ODR rate of the particular active set (Directional) against each personnel till suitable replacement duly approved by Oil India Ltd arrives. |
| 3 | **Directional Driller** | 10% of the ODR rate of the particular active set (Directional) against each personnel till suitable replacement duly approved by Oil India Ltd arrives. |
| 4 | **Mud Engineer** | 1.5 times of the ODR of mud engineer against each personnel till suitable replacement duly approved by Oil India Ltd arrives. |

(ii) **PPE**

In the event of non-compliance of statutory provisions and safety appliances, the company will have the right to ask the contractor to suspend the service immediately and **no payment shall be made by the Company till such time the contractor comply with the same.**

| TABLE NO. (18): SCHEDULE OF PENALTY [PPE] | | |
|---|---|---|
| **Sl. No.** | **Deficiency of PPE** | **Penalty** |
| 1 | Safety Helmet | In the event of the contractor's failure to adhere in providing the minimum PPE requirements of the personnel as set in Clause 21.0 below, penalty on the Contractor shall be levied at the rate equivalent to the latest purchase rate by OIL. |
| 2 | Raincoat | |
| 3 | Windcheater | |
| 4 | Safety Boot | |
| 5 | Overall | |

**NOTE:**

(i) Above are indicative only.

(ii) All the PPE are PPE shall be as per OMR,2017

(iii) If PPE are not described in OMR, 2017 shall be guided by OISD/IS applicable for Oil and Gas Industry.

(iv) If PPE are not described in above two, it will be guided by EN or equivalent and to the satisfaction of company**.**

## 23.0 PERSONAL PROTECTIVE EQUIPMENT (PPE):

(i) Contractor shall engage crew as defined in Scope of work of the contract. The working hours for the deployed personnel shall as per SoW.

(ii) Contractor shall issue PPE and dungarees to the contractor's personnel and a register shall be maintained at well site with endorsement by personnel and indicating date of issue/ replacement etc.

(iii) The Minimum PPE schedule to be followed for the personnel employed under the contract as follows:

**TABLE NO. 19: MINIMUM PPE SCHEDULE**

| Sl No | PPE | Quantity per person | Periodicity |
|---|---|---|---|
| 1 | Safety Helmet (DGMS approved) | 01 No | 03 Year |
| 2 | Raincoat | 01 No | 03 year |
| 3 | Windcheater | 01 No | 03 year |
| 4 | Safety Boot | 02 Pair | 01 year |
| 5 | Overall | 02 pair at a time | 01 year |
| 6 | Hand gloves | 01 pair at time | As and when required |
| 7 | Safety Goggles | 01 pair at time | As and when required |
| 8 | Ear plug /Earmuff | 01 pair at time | As and when required |
| 9 | Other PPE | As required | As and when required |

(iv) All PPE should be as per DGMS approved or as per Recommended Indian Standard or International standard harmonized under statute.

(v) However, when a PPE is damaged during its legitimate use, it shall be immediately replaced free of cost by the contractor.

(vi) The above is the minimum requirement, however depending upon the risk, suitable protective equipment including respiratory protective equipment, eye protectors, ear protection gloves and aprons.

(vii) Contractor shall at all times maintain a sufficient stock of PPE in order to ensure immediate supply as and when need for the same arises.

## 24.0 GENERAL OBLIGATIONS OF CONTRACTOR:

Contractor shall perform the work described under scope of work prepare the 24-hour comprehensive report on Directional survey data (Actual Vs Plan), detailed log reports of all the downhole LWD tools as per data deliverables mentioned under the scope of the contract. Contractor is required to submit this daily report to Company Representative/ geological in-house team based at Duliajan in the form of soft copy and hard format (if sought). For any other report of any services under IDS-3, the same shall be guided by the SOW.

## 25.0 WELL SITE COMMUNICATION FACILITY:

(i) The Contractor should arrange for state-of-the-art portable VSAT & Antenna / Other data transmission mechanism (as per operational requirement) at the wellsite (wherever service is deployed) for real time data transmission at high speed to OIL's base for uninterrupted data transmission.

(ii) If the Contractor fails to resolve the data transmission issue within the stipulated 36 hours, OIL will deduct 1% of the ODR rate of the particular Regular set beyond 36 hours till resolution of the data transmission issue to the satisfaction of OIL.

## 26.0 REAL TIME DATA MONITORING SERVICES:

(i) Real time data Monitoring Services at rig site as well as at Company's base office in Duliajan for 24x7 monitoring of Drilling Operation to be provided both in desktop version and in mobile app. All logs of MWD/LWD tools along with drilling parameters i.e., ROP, Temp, ECD, Survey, SPP, Flow, Hook load curve etc. should be available in the system. No additional charges will be payable for this.

(ii) 32" High resolution LED monitor with requisite printers and other accessories to be provided at each designated locations in OIL's offices as per scope of work for real time data receiving and analysis. The system should be able to receive and display real time data from multiple locations wherein both the sets of LWD are deployed. OIL is going to provide only the Internet facilities for the same (Tentative requirement 2 sets).

## 27.0 GENERAL OBLIGATIONS OF COMPANY:

### (i) ENTRY PERMITS

Company shall assist Contractor for arranging necessary entry permits, if required, for personnel belonging to Contractor and their subcontractors engaged with the consent of Company, provided Contractor gives full particulars of such personnel in advance. However, the primary obligation in this regard shall be on Contractor and Company shall provide necessary documents only.

### (ii) SECURITY

Company shall organize all possible help from local government/ administration to Contractor personnel and equipment in case of natural disasters, civil disturbances and epidemics. The security of the Base Camp including Contractor's equipment and personnel and deployment of security personnel etc. at the Base Camp, shall however, be the responsibility of the Contractor.

### (iii) CRANE SERVICE/TRANSPORT VEHICLES

(a) OIL will provide crane and transportation (for Inter-location movement) of the Contractor's equipment and also for transfer/handling of Contractor's material, equipment at well site "free of charge". The loading, unloading and transportation shall be done at Contractor's supervision and risk. OIL shall not be responsible for any damage during handling & transit.

(b) E-way bill for inter-state movements of materials including tools and equipment for services to be processed by the contractor on advice of OIL.

(iv) **WORKSHOP FACILITY:**

Company will extend the in-house workshop facility for Contractor's Tools & Equipment without hampering Company's own work schedule. The workshop facility will be chargeable depending on quantum of job involving man/material/time.

(v) **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 shall be payable**.**

(vi) **MEDICAL FACILITIES**

OIL may provide services of OIL Hospital to Contractor’s personnel on payment basis subject to availability.

## 28.0 PERFORMANCE OF WORK

The Contractor shall submit daily reports to Company detailing progress of different operations as per the scope of the work at 6:00 AM every day. The Company, at its option may change the periodicity of such reports. In addition, Contractor shall submit the complete job report (covering analysis of NPT, daily progress report of all the events along with comparative parameters like plan surveys vs actual, log details, drilling parameters-maintained vs ROP attained, downhole complications encountered etc.) within 15 (fifteen) days from the date of completion of each individual job. The structure of the Well Completion report will be finalized before the commencement of the first job in consultation with the representatives of OIL and the contractor and may be reviewed time to time for any future modifications. The manner and the speed of execution and maintenance of the operations are to be conducted in accordance with the Contract. Contractor to submit tangible KPI’s in consultation with OIL in the kick-off meeting prior to start of each Job under the contract. Same shall be used for performance benchmarking during execution. Should the rate of progress of the operations or any part of them be at any time too slow in the opinion of the Company's representative, (to ensure completion of the operations within schedule) Company's representative may so notify the Contractor in writing. The Contractor shall reply to the written notice giving details of the measures, which he proposes to take to expedite the operations. If no satisfactory reply to Company's notice is received in seven days, Company shall be free to take necessary actions as deemed fit as per the contract, latest Acts, Rules, Regulation, Guidelines, etc.

## 29.0 LABOUR

The recruitment of the labour, if required, shall be met from the areas of operation and wages to be paid in accordance with the Minimum Wages Act, 1948. The engagement of the labours shall be governed by the provisions of labour laws as per Contract Labour (Regulation and Abolition) Act, 1970.

## 30.0 PROTECTION OF PROPERTY AND EXISTING FACILITIES:

The Contractor shall perform each work in such a manner as will prevent damage to the Company's property and conform to and be consistent with, and not to interfere in any way with continuous and safe operational practices for the well.

## 31.0 CUSTOMS DUTY

(i) In terms of Sl. No. 404 of the Customs Notification No.50/2017-Cus dated 30.06.2017, imports of the items specified in List 33 of the Notification are subject to levy of concessional rate of customs duty subject to conditions specified therein (Condition No. 48). However, Condition No. 48 along with List-33 of the said notification has been amended vide Customs Notification No. 02/2022-Customs dated 01.02.2022. Similarly, the domestic supply of such goods would attract concessional GST on submission of Essentiality Certificate (EC) issued by DGH in terms of Gazette Notification No. No. 3/2017-Central Tax (Rate) dated 28.06.2017 (and as amended from time to time).

(ii) Contractor should provide the list of items to be imported by them under the Contract in the format specified in Proforma-A alongwith their bid for issuance of requisite undertaking/certificate for availing concessional rate of customs duty only against the items explicitly covered under List-33 of Customs Notification No. 02/2022-Customs dated 01.02.2022 or against any other item(s) subsequently declared by the competent authority during the tenure of the contract to be duty exempted/concessional. Contractor shall make written request to Company immediately after shipment of the goods indicated by them in Proforma-A, alongwith the Invoices and all shipping documents (with clear 15 working days' notice) requesting Company for issuance of the Recommendatory Letter/requisite undertaking/certificate. Company shall issue the Recommendatory Letter/ requisite undertaking/certificate provided all the documents submitted by the Contractor are found in order as per contract. Undertaking/Certificate for availing concessional rate of Customs Duty shall be issued by OIL only for the eligible items, provided the same are included in the Proforma-A submitted by the bidder.

(iii) The required certificate/undertaking for availing concessional duty will be issued by OIL only for those items which are either consumed during the execution of work or for those equipment/tools which are undertaken to be reexported by the bidder. The required certificate/undertaking will not be issued when the bidder imports the equipment/tools on acquisition basis and does not undertake to re-export the same after the completion of the contract.

(iv) The contractor shall be responsible to carry out all the formalities. In case of any mis-declarations or offences committed under the Customs rules and regulations and also allied rules, fine, penalty or any other charges levied by the concerned authorities on OIL shall be borne by the Contractor including the element of interest on OIL's fund blocked under such circumstances. OIL shall be indemnified by the Contractor against all actions by Govt. or any other agency for acts of commission and omission.

(v) Contractor shall be responsible to import the equipment/tools for execution of the contract. The contractor shall undertake to complete all the formalities as required under the Customs Act/Foreign Trade Policy (FTP) and indemnify OIL from all the liabilities of Customs in this regard.

(vi) The equipment/tools imported by the Contractor for petroleum operations against the certificate/undertaking provided by OIL shall not be used/deployed by the Contractor for any purpose other than the jobs arising out of the contract awarded by OIL and in the event of equipment/tools being misused or put to use other than specified use, the Contractor shall be liable to pay duty, fine, penalty and other actions taken by the Customs Department and other authorities for violation of the customs rules and regulations and other allied rules.

(vii) OIL will not issue any Undertaking/Certificate towards customs duty concession/exemption for those items (not included in List-33 of Notification) and the duty payable on merit shall be borne by the Contractor. However, any other item if subsequently notified by the competent authority to be Duty free/concessional during the tenure of the contract, OIL will issue requisite Certificate/Undertaking for Contractor to avail the Customs Duty benefit and the duty benefit must be passed on to OIL.

(viii) All costs of imports and import clearances under the contract shall be borne by the contractor and Company shall not provide any assistance in this regard.

(ix) However, in the event customs duty becomes leviable during the course of Contract arising out of a change in the policy of the Government, the Company shall reimburse the customs duties leviable in India on Contractor's items as provided in Proforma-A or the actual whichever is less, on submission of documentary evidence. However, the Contractor should notify about the change in policy with documentary evidence and obtain Company's consent prior to shipment of the items. Company's obligation for Customs Duty payment shall be limited / restricted to the tariff rates as assessed by the Customs on the day of clearance, or as on the last day of the stipulated mobilization period. In case of clearance thereafter, on the CIF value of items in Proforma-A will be frozen and any increase in Customs Duty on account of increase in value on these will be to the Contractor's account. Furthermore, in case the above CIF value is not acceptable to assessing Customs Officer and as a result if any excess Customs Duty becomes payable, it shall be to Contractor's account.

(x) 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. necessary letter of authority or other relevant documents and necessary help.

(xi) Contractor must ensure that the spares and consumables imported by them for providing the services under Contract are properly used in executing their job under the Contract in the PEL/ML areas of Company for which EC has been obtained. Contractor shall furnish to Company a certificate as and when the spares and consumables are used/consumed certifying that the spares and the consumables imported by them have been consumed in those ML/PEL areas under the contract for which ECs were obtained by them. In order to avoid any misuse of the spares and consumables imported by the Contractor for providing the services under the Contract, Contractor shall furnish an Undertaking similar to that being furnished by Company to Customs of suitable amount before issue of the Recommendatory Letter.

## 32.0 DEMOBILISATION & RE-EXPORT:

(i) The Contractor shall arrange for and execute demobilization of the set of Tools/Equipment/Spare/ Accessories/Manpower etc. upon receipt of notice for demobilization from Company. Demobilization shall include dismantling of its accessories/equipment, including the manpower. In case of final demobilization, re-export of its accessories/equipment, unutilized spares and consumables at the cost of the contractor. Final demobilization (Removal of contractor's items from the OIL site) shall be completed by Contractor within 21—days (3 weeks) of issue of final demobilization notice by Company. Immediately after re-exporting 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 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/block transfer from Contractor's final settlement of bills and Performance Security.

(ii) 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.

(iii) 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.

(iv) 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, 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.

## 33.0 LOSS OF SUB-SURFACE EQUIPMENT:

(i) Notwithstanding any provision under this contract to the contrary, Company shall assume liability except in the event of Willful Misconduct OR Gross Negligence on the part of the contractor for loss to the contractor's equipment/tool in hole below rotary table, subject to conditions prescribed herein below. Company shall reimburse

the contractor for the value of lost equipment/tool as declared in the import invoices at the time of import (for foreign items)/purchase invoice (for indigenous items) or CIF value declared in the contract in the list of imported items (for foreign items) whichever is lower for any such loss, less depreciation @ 3% per month or part thereof from the date of import invoice/indigenous invoice up to a maximum depreciation equivalent to 50% of CIF value as per import invoice or as indicated in the contract, whichever is lower, (for imported items)/Ex-works value (for indigenous item) as per purchase invoice.

(ii) All such cost shall be payable by Company, provided the equipment/tool is not covered under Insurance and provided such equipment/tool are included in the exclusion list of the Insurance Policies submitted by the Contractor in terms of Clause 14.16 (vii) under GCC of the Contract. All such cost shall be payable only after contractor furnishes notarized undertaking in the prescribed format (Sample Copy Attached) to the extent that the particular equipment/ tool in question is not covered by contractor's insurance.

(iii) For claims of lost equipment/tools, contractor must intimate the Company of his intention to lodge claim in writing within one month of the declaration of lost tool by company and final claim thereof must be made within six months of the date of the lost tool or before expiry of the Contract, whichever is earlier

(iv) OIL shall declare the Loss in Hole immediately after the fishing operation is called off upon non-retrieval of the downhole items and intimate the Contractor, so that replacement and claim for the loss of downhole items can be done within the stipulated time. The contractor should replace the lost tool(s) within a stipulated time of 30 Days from the date of declaration of Lost in Hole by the company, failing which Zero rate will be applicable thereafter. During this period, payment at the rate of 75% of the Standby rates will be payable for the set from the time of declaration of the LIH only if the backup tools are in operational conditions. The company at its discretion may decide on utilization of the set without the back-up tool(s) considering the operational urgency and in such case ODR will be paid till the replenishment of tool(s) and equipment by the contractor is done after due inspection and certification by the company's representative. However, during the course of utilization of the backup tools and the same fails to operate, zero rate will be imposed immediately until replacement is provided and operation resumes.

(v) In case of loss of indigenous items used in the downhole assembly which were declared and inspected as part of mobilization, will also be covered for LIH reimbursement on the basis of purchase invoice submitted during the time of mobilization.

**NOTE:**

(i) No Mobilization cost would be payable towards replacement of LIH tools.

(ii) GST, if applicable on LIH, will be reimbursed by OIL.

## 34.0 DOCUMENTATION OF LOSS:

Whenever any loss to any of the Contractor's Equipment occurs, as stated in **Clause – 31 as above,** the Contractor shall immediately notify the same to OIL describing the loss. Whenever the Contractor makes any claim pursuant to the provisions under the above Clause, the Contractor shall furnish in support thereof as noted below:

(a) List of the Equipment lost,

(b) Particulars of import, Customs assessed Bill of entry & invoices,

(c) Vouchers, invoices or any other documents indicating the date of first use of the Equipment in India,

(d) Documentary/ Self Declaration/Undertaking stating that the particular equipment/ tool in question is not covered by contractor's insurance.

## 35.0 DATA INTERPRETATION:

Since all data interpretations are based on inference from electrical or other measurements, Contractor cannot and does not guarantee the accuracy or correctness of any interpretation and Company agrees that Contractor shall not be liable or responsible except for the case of Gross Negligence on Contractor or his sub-contractor's part, for any loss, cost, damage or expense incurred or sustained by Company resulting directly or indirectly from any interpretation made by Contractor or any of its agents, servants, officers or employees. Should any such interpretation or recommendation be relied upon as the sole basis for any drilling, completion, well treatment or production decision or any procedure involving any risk to the safety of any drilling ventures, drilling rig, or its crew or any other individual, Company agrees that under no circumstances shall Contractor be liable for any consequential loss or damages on this account except in case of wilful Misconduct and/or Gross Negligence and/or Criminal Negligence.

## 36.0 DATA HANDLING AND LIABILITY:

Company warrants and represents that it is the owner or licensee of any data that will be provided to Contractor and that it has the right to disclose data to Contractor. Company expressly agrees that Contractor shall only be provided with copies of data and agrees that Company shall retain all originals and/or backup copies of any data provided to Contractor. Contractor shall have no liability whatsoever for any loss or damage to the data.

## 37.0 CONFIDENTIALITY:

(i) 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.

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

(a) Is, at the time of disclosure, known to the public.

(b) Lawfully becomes at a later date known to the public through no fault of Contractor.

(c) Is lawfully possessed by Contractor before receipt thereof from Company.

(d) Is disclosed to Contractor in good faith by a third party who has an independent right to such information.

(e) Is developed by Contractor independently of the information disclosed by Company; or Contractor is required to produce before competent authorities or by court order.

(f) Is required to be disclosed on the direction of Court or any statutory authority.

**38.0 FISHING:**

In the event of any of the Contractor's Equipment is lost / stuck in the well bore, then the Company shall, at its expenses, attempt to recover or retrieve the same, irrespective of cause. As and when the Company decides to fish for any of the Contractor's Equipment, then the Company shall have full responsibility and liability for such Operations, but the Contractor shall render assistance in an advisory capacity at all times in connection with such fishing operations. It is expressly understood between the Parties that the Contractor's personnel are not authorized or entitled to do anything other than to advise the Company in connection with such fishing operations and about any fishing tools which may be furnished by the Contractor at the Company's request. Furnishing of such fishing tools is solely as accommodation to the Company and the Contractor shall not be responsible or liable for any loss or damage which may result with the use of such tools or by reason of any advice or assistance provided to the Company by the Contractor or its personnel regardless of the cause of such loss. The contractor would be required to provide retrieving fishing tools for their non-standard size tubular if any apart from the list of tubular available with OIL as furnished in **ANNEXURE-C.**

**39.0 RADIOACTIVE MATERIAL:**

In accepting any order to perform or attempt to perform any service involving the use of radioactive material, Company agrees that Contractor shall not be liable or responsible for injury to or death of persons or damage to property (including, but not limited to, injury to the well), or any damages whatsoever irrespective of the cause, growing out of or in any way connected with Contractor's use of radioactive materials. Company shall absolve and hold Contractor harmless against all losses, cost, damages, and expenses incurred or sustained by Company or any third party irrespective of the cause excluding *Wilful Misconduct and/or Gross Negligence and/or Criminal Negligence* by Contractor or its agents, servants, officers or employees, resulting from any such use of radioactive material. In case of radio-active source lost in hole during operation, action will be initiated as per AERB guidelines.

**40.0 POLLUTION & CONTAMINATION:**

Notwithstanding anything to the contrary contained herein, it is understood and agreed by and in between the Contractor and Company that the responsibility for pollution or contamination shall be as follows:

(i) The Contractor shall assume all responsibility and liability for cleaning, removal and controlling pollution or contamination which originates from Contractor's equipment and facilities above the surface. Contractor shall protect, defend and save the Company harmless from and against all claims, demands and causes of action of every kind and character arising from all pollution, contamination, which may occur from any cause, save and except pollution or contamination for which the Company assumes liability in terms of Sub-clause (ii) below.

(ii) The Company shall assume all responsibility for all other pollution and contamination (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, contamination, which may occur from any cause, save and except pollution or contamination for which the Contractor assumes liability in terms of Sub-clause (i) above.

(iii) In the event, a third party commits an act or omission which results in pollution or contamination for which either the Contractor or Company, for whom such party is performing work, is held to be legally liable , the responsibility therefore shall be considered as between the Contractor and Company, to be the same as if the party for whom the work was performed and all of the obligations respecting defiance indemnity, holding harmless and limitations of responsibility and liability, shall be specifically applied.

(iv) Handling & management of Effluent/waste generated during drilling, drill cuttings, left over drilling fluid shall be the responsibility of OIL. OIL will dispose empty drums/sacks etc. under mud engineering services as per OIL's relevant practice. However, contractor to submit an undertaking that the drums /sacks/ Jars/Bags does not contain any hazardous materials as per EPA, 1986 and not falls under the purview of public liability act,1991 and Rule, Regulation, Circulars and/or notification thereunder.

## 41.0 LIABILITY FOR THE WELL OR RESERVOIR:

Notwithstanding anything else contained herein to the contrary, the Contractor shall not be liable or responsible for or in respect of

(i) Any sub-surface damage (including but not limited to damages or loss of a well or reservoir or formation, the loss of any oil or gas there from), or any surface loss or damage or injury or death arising out of a sub-surface damage; and/or

(ii) Blowout, fire, explosion or any other uncontrolled well condition; and/or

(iii) Damage to, or loss of oil or gas from any pipelines, vessels or storage or production facilities; and/or

(iv) any loss or damage or injury or death whatsoever, direct or consequential, including liability arising from pollution originating below the surface and any clean-up costs, whether caused by their personnel or Equipment or otherwise arising from or in any way connected with such sub-surface Operations or in performing or attempting to perform any such Operations.

(v) third party liabilities arising out of the above irrespective of the cause and the Company agrees that it shall absolve the Contractor and protect, defend, indemnify and hold the Contractor and its sub- contractors, its agents and its parents, subsidiaries and affiliates, its other contractors and/or its and their directors, officers, employees, consultants and invitees harmless from and against all claims, suits, demands and causes of actions, liabilities, expenses, costs and judgments of every kind and character (including without limitation for the loss or damage of any property, or the injury or death of any person), without limit, in favour of any person, party or

entity, resulting from any of the above, including costs incurred by Company in this respect. -Provided that such loss, damage etc. as stated in (i) to (iv) above is not caused on account of wilful misconduct or gross negligence of the Contractor or its personnel or any third party.

**42.0 INTELLECTUAL PROPERTY:**

While performing the Work for the Company, Contractor may utilize expertise, know-how and other intellectual capital (including intellectual property) and develop additional expertise, know-how and other intellectual capital (including intellectual property) which are Contractor's exclusive property and which Contractor may freely utilize in providing services for its other customers. Except where expressly and specifically indicated in writing, and in exchange for appropriate agreed payment, Contractor does not develop any intellectual property for ownership by Company, Contractor retains sole ownership of any such intellectual capital (including intellectual property) created by Contractor during providing the Services.

**43.0 IP INFRINGEMENT:**

Contractor shall indemnify and hold the Company harmless from any third party claims arising on account of intellectual property infringement with respect to its services or products except where such infringement is caused due to:

(i) Specific modification or design of Contractor equipment or Services to meet Company's specifications,

(ii) Combination of Contractor's equipment or Services in combination of other equipment and/ or services not recommended by Contractor,

(iii) Out of unauthorized additions or modifications of Contractor's equipment or services by Company, or

(iv) Company's use of Contractor's equipment or Services that does not correspond to Contractor's published standards or specifications; in which case, the Company shall indemnify and hold the Contractor harmless.

**44.0 CONFIDENTIALITY:**

(i) 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.

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

(iii) 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 Unit to another sphere.

**45.0 HEALTH, SAFETY AND ENVIRONMENT SPECIFICATION: The contractor shall forward HSE policy to the Company along with the bid. On award of contract, the contractor shall submit comprehensive HSE manual & procedure and HSE plan for approval of OIL.**

(i) The Contractor shall take all measures necessary to protect the personnel, work and facilities and shall observe safety rules and regulations as per the Mines Act, 1952 and Oil Mines Regulation, 2017. No smoking or open flame shall be permitted on the operation site and nearby, except in areas marked by and approved in writing by the Company.

(ii) The Contractor shall report, as soon as possible, any evidence, which may indicate or is likely to lead to an abnormal or dangerous situation and then immediately take the first emergency control steps conforming to good operation practice and safety regulations.

(iii) The Contractor shall have a complete Safety Manual that will be available in the work site at all points of time and readily accessible.

## 46.0 GENERAL HSE POINTS

46.1 It will be solely the **Contractor's responsibility to fulfil all the legal formalities** with respect to the Health, Safety and Environmental aspects of the entire job (namely; the person employed by him, the equipment, the environment, etc.) under the jurisdiction of the district of that state where it is operating. Ensure that all subcontractors 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 subcontractors.

46.2 **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 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 approved. Necessary supportive document shall have to be submitted as proof. If the Contractor fails to provide the safety items as mentioned above to the working personnel, the Contractor may apply to the Company (OIL) for providing the same. OIL will provide the safety items, if available. But in turn, OIL will recover the actual cost of the items by deducting from Contractor's Bill. However, it will be the Contractor's sole responsibility to ensure that the persons engaged by him in the mines use the proper PPE while at work. All the safety gears mentioned above are to be provided to the working personnel before commencement of the work.

46.3 The Contractor shall prepare written **Safe Operating Procedure (SOP)** for the work to be carried out, including an assessment of risk, wherever possible and 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.

46.4 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.

46.5 Keep an **up-to-date SOP** and provide a copy of changes to a person designated by the Mine Owner/Agent/Manager

46.6 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.

46.7 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.

46.8 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 MVT Certificate, how many work persons undergone IME and type of medical coverage given to the work persons.

46.9 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.

46.10 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 Installation Manager / Safety Officer / Engineer / Official / Supervisor/Junior Engineer for safe operation.

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

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

46.13 The **contractor shall have to report** all incidents including near miss to Installation Manager / departmental representative of the concerned department of OIL.

46.14 The contractor has to **keep a register of the persons employed by him/her**. The contractor's supervisor shall take and maintain attendance of his men every day for the work, punctually.

46.15 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.

46.16 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.

46.17 To arrange daily **toolbox meeting** and regular site safety meetings and maintain records.

46.18 **Records of to be maintained in Form** A (Part A, B), B, D & E (as per Ease of Compliance Gazette Notification No 126 dated 21.02.2017) by the contractor.

46.19 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.

46.20 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.

46.21 Contractor's arrangements for **health and safety management** shall be consistent with those for the mine owner.

46.22 In case Contractor is found **non-compliant of HSE laws** as required 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.

46.23 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.

46.24 The contractor should **prevent the frequent change** of his contractual employees as far as practicable.

46.25 The contractor should frame a **mutually agreed bridging document** between OIL & the contractor with roles and responsibilities clearly defined.

46.26 For any **HSE matters not specified in the contract document**, the contractor will abide the relevant and prevailing Acts/rules/regulations/ pertaining to Health, Safety and Environment.

## 47.0 GOODS AND SERVICES TAX:

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

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

iii) "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.

iv) 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.

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

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

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

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

vii) **Where the OIL is not entitled to avail/take the full input tax credit of GST:** OIL will reimburse GST to the Supplier of Goods/Services (Service Provider) at actual against submission of Invoices as per format specified in rules/ regulation of GST subject to the ceiling amount of GST as quoted by the bidder. In case of any variation in the executed quantities (If directed and/or certified by the In-Charge) the ceiling amount on which GST is applicable will be modified on pro-rata basis.

The bids will be evaluated based on total price <u>including GST</u>.

viii) 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.

ix) Contractor/Contractor shall be required to issue tax invoice in accordance with GST Act and/or Rules so that input credit can be availed by OIL. In the event that the contractor/Contractor fails to provide the invoice in the form and manner prescribed under the GST Act read with GST Invoicing Rules there under, OIL shall not be liable to make any payment on account of GST against such invoice.

x) GST shall be paid against receipt of tax invoice and proof of payment of GST to government. In case of non-receipt of tax invoice or non-payment of GST by the contractor/Contractor, OIL shall withhold the payment of GST.

xi) GST payable under reverse charge mechanism for specified services or goods under GST act or rules, if any, shall not be paid to the contractor/Contractor but will be directly deposited to the government by OIL.

xii) 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.

xiii) Notwithstanding anything contained anywhere in the Agreement, in the event that the input tax credit of the GST charged by the Contractor/Contractor is denied by the tax authorities to OIL for reasons attributable to Contractor/ Contractor, OIL shall be entitled to recover such amount from the Contractor /Contractor by way of adjustment from the next invoice. In addition to the amount of GST, OIL shall also be entitled to recover interest at the rate prescribed under GST Act and penalty, in case any penalty is imposed by the tax authorities on OIL.

xiv) TDS under GST, if applicable, shall be deducted from contractor's/Contractor's bill at applicable rate and a certificate as per rules for tax so deducted shall be provided to the contractor/Contractor.

xv) 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.

xvi) 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.

xvii) 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.

xviii) 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.

xix) 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.

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

xxi) 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.

xxii) 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.

xxiii) 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.

xxiv) 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.

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

xxvi) 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.

xxvii) 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.

xxviii) 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.

xxix) 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.

xxx) Documentation requirement for GST: The Contractor will be under the obligation for invoicing correct tax rate of tax/duties as prescribed under the GST law to OIL, and pass on the benefits, if any, after availing input tax credit

Any Invoice issued shall contain the following particulars:

(a) Name, address and GSTIN of the supplier.
(b) Serial number of the invoice.
(c) Date of issue.
(d) Name, address and GSTIN or UIN, if registered of the recipient.
**Note: OIL GSTIN numbers are as follows:**

Assam : 18AAACO2352C1ZW
Arunachal Pradesh : 12AAACO2352C1Z8

(e) Name and address of the recipient and the address of the delivery, along with the State and its code,
(f) HSN code of goods or Accounting Code of services [SAC];
(g) Description of goods or services.
(h) Quantity in case of goods and unit or Unique Quantity Code thereof.
(i) Total value of supply of goods or services or both.
(j) Taxable value of supply of goods or services or both taking into discount or abatement if any.
(k) Rate of tax (IGST, CGST, SGST/ UTGST, cess);
(l) Amount of tax charged in respect of taxable goods or services (IGST, CGST, SGST/UTGST, cess);
(m) Place of supply along with the name of State, in case of supply in the course of interstate trade or commerce.
(n) Address of the delivery where the same is different from the place of supply and
(o) Signature or digital signature of the supplier or his authorised representative.

GST invoice shall be prepared in triplicate, in case of supply of goods, in the following manner:
i) The original copy being marked as ORIGINAL FOR RECIPIENT.
ii) The duplicate copy being marked as DUPLICATE FOR TRANSPORTER and
iii) The triplicate copy being marked as TRIPLICATE FOR SUPPLIER.

In case of any advance given against any supplies contract, the supplier of the goods shall issue Receipt Voucher containing the details of details of advance taken along with particulars as mentioned in clause no. (a), (b), (c), (d), (g), (k), (l), (m) & (o) above.

xxxi) **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.

xxxii) In case the GST rating of Contractor on the GST portal/Govt. official website is negative/blacklisted, then the bids may be rejected by OIL. Further, in case rating of bidder is negative/blacklisted after award of work for supply of goods/services, then OIL shall not be obligated or liable to pay or reimburse GST to such Contractor and shall also be entitled to deduct/recover such GST along with all penalties/interest, if any, incurred by OIL.

## 48.0 Financing of trade receivables of Micro and Small Enterprises (MSEs) through Trade Receivables Discounting System (TReDS) platform:

Based on the initiatives of Government of India to help MSE vendors get immediate access to liquid fund based on Buyers credit rating by discounting, OIL has registered itself on TREDS platform with M/s RXIL and M/s A TREDS Ltd. (Invoice Mart). MSE vendors can avail this benefit by registering themselves with any of the exchanges providing e-discounting / electronic factoring services on TReDS platform and following the procedures defined therein, provided OIL is also participating in such TReDS Platform as a Buyer.

(i) MSE Vendor should be aware that all costs relating to availing the facility of discounting on TReDS platform including but not limited to Registration charges, Transaction charges for financing, Discounting Charges, Interest on financing, or any other charges known by any name shall be borne by MSE Vendor.

(ii) MSE Vendor hereby agrees to indemnify, hold harmless and keep OIL and its affiliates, Directors, officers, representatives, agents and employees indemnified, from any and all damages, losses, claims and liabilities (including legal costs) which may arise from Sellers submission, posting or display, participation, in any manner, on the TREDS Platform or from the use of Services or from the Buyer's breach of any of the terms and conditions of the Usage Terms or of this Agreement and any Applicable Law on a full indemnity basis.

(iii) OIL shall not be liable for any special, indirect, punitive, incidental, or consequential damages or any damages whatsoever (including but not limited to damages for loss of profits or savings, business interruption, loss of information), whether in contract, tort, equity or otherwise or any other damages resulting from using TReDS platform for discounting their (MSE Vendor's) invoices.

**NOTE:**

(i) Buyer means OIL, who has placed Purchase Order / Contract on a MSE Vendor (Seller).
(ii) Seller means a MSE vendor, who has been awarded Purchase Order / Contract by OIL (Buyer).

**49.0 NOTICES**:

(i) Any notice given by one party to other, pursuant to this Contract shall be sent in writing or by telex or Fax and confirmed in writing to the applicable address specified below:

| | |
|---|---|
| **COMPANY**<br>a) **For contractual matters**<br><br>CGM (Contracts)<br>OIL INDIA LIMITED<br>PO DULIAJAN – 786602<br>ASSAM, INDIA<br>Fax No. 91-374-2803549<br>Email: contracts@oilindia.in<br><br>c) **CONTRACTOR**<br>_____<br>_____<br>Fax No.:<br>Email: | b) **For technical matters**<br><br>CGM (Drilling Services)<br>OIL INDIA LIMITED<br>PO Duliajan – 786602<br>Assam, India<br>Fax No. 91-374-28084254<br>Email: drilling@oilindia.in |

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

## PART-3: SECTION-IV
## SCHEDULE OF RATES (SOR)

The bidders must quote the rates in their price bids as per the attached Price-Bid Format. The payment shall be made for the actual work done. All Day Rate Charges shall be pro-rated to nearest hour.

### 1. MOBILIZATION/INTERIM-MOBILIZATION CHARGES OF TOOLS, EQUIPMENT& PERSONNEL:

Mobilization charges as lump sum amount against each individual **Service** (Regular & Call Out) including manpower or excluding manpower, as detailed in the **SCOPE OF WORK / TERMS OF REFERENCE PART-3, SECTION-II,** will be payable as below:

(i) All equipment/tools/Consumables including chemicals free of defects/ encumbrances and OIL approved operating personnel for Set/Package/Service as per scope of work are positioned at Company's designated site and duly certified by the Company representative which shall be no later than 03 working days from the date of arrival/intimation by the contractor excluding Sundays and Company's holiday.

(ii) The date of inspection will be considered as the date of mobilization for particular set /consumables/service/tools/ equipment/manpower/ chemicals (as applicable) subjected to these are found to be in order and tested / calibrated (as applicable) to its rated specifications to the satisfaction of OIL against that particular set/ consumables/ service/tools/equipment/ manpower (as applicable).

(iii) OIL will certify within 03 working days for first mobilization. For successive re-mobilization, contractor must intimate OIL about arrival of the tools and OIL will inspect the **set/ consumables/ service/tools/equipment/manpower (as applicable)** for each re-mobilization within 03 working days of receipt of intimation from the contractor.

(iv) Mobilization charges should cover local and foreign costs to be incurred by the Contractors to mobilize the equipment to the mobilization point as decided by OIL and should include all duties including all local and foreign taxes, port fees/charges including demurrage (if any) and inland transport to the mobilization point as decided by OIL etc. (on the items declared in **Proforma-A and B).**

(v) Mobilization charge will not be released based on arrival of individual **set/ consumables/ service/tools/equipment/manpower (as applicable)** although there will/may be individual mobilization charges (lump sum) for different **set/ consumables/service/tools/equipment/ manpower (as applicable)**. Mobilization will be considered as completed only after following conditions from (a) to (e) (without any exception) are met with.

(a) All surface & sub surface **set/ consumables/service/tools /equipment /manpower (as applicable)** as per contractual obligation (technical Specification & quantity wise) arrive at OIL's designated site, unless otherwise specified by OIL.

(b) All surface & sub surface **set/ consumables/service/tools /equipment /manpower (as applicable)** arrives at OIL's designated site for commencing individual

service activities as per " **SCOPE OF WORK / TERMS OF REFERENCE PART-3, SECTION-II**."

(c) All relevant documents are found to be technically acceptable by OIL on inspection as per the scope of work.

(d) Tested / calibrated **as applicable** to its rated specifications to the satisfaction of OIL as per the **SCOPE OF WORK / TERMS OF REFERENCE PART-3, SECTION-II.**

(e) Company issues acceptance of tools & equipment in writing. This "acceptance/clearance" certificate will be provisional in nature till performances of tools / equipment are established in operation.

(vi) However, contractor to ensure sufficient backup tools/spares/consumables /**personnel/ equipment** over and above the minimum quantity specified in the SOW for ensuring **uninterrupted activities under different services as per scope of work.**

**2. DE-MOBILIZATION/INTERIM DE-MOBILIZATION CHARGES OF TOOLS/ EQUIPMENT:**

(i) The Contractor shall arrange for and execute demobilization of their Tools/Equipment/Spare/Accessories (one or more)/**personnel** etc. upon receipt of notice from the Company. For de-Mobilization, Contractor shall bear all such costs/charges, if any towards the same from drilling location to Contractor's base and the same will be guided by as per **"Special Conditions of Contract" in Section-II, Clause No. 1.12, 3.4 and 3.6 (Note).**

(ii) All rates including rental on Tools/Equipment/Spare/Accessories (one or more) /consumables/ **personnel** etc. shall cease to exist with effect from the day the Contractor is issued de-mobilization notice by Company. No charges whatsoever will be payable with effect from the date of notice to demobilization.

(iii) Company shall give notice to Contractor to commence demobilization. This shall be applicable with immediate effect. No other charges shall be payable after issuance of de-mobilization letter. However, after final demobilization the contractor will ensure that demobilization is completed and Company's worksite is cleared-off Contractor's property within 03 (three) weeks of notice from the Company, failing which, demobilization charge may be held up.

(iv) Demobilization charges will be payable on clearance of all the equipment/tools/accessories/ consumables (as applicable) from Indian Port/ Custom authorities for re-export of equipment to Contractor's base. However, OIL shall not be obliged to pay demobilization charges of unit/equipment, if on completion of Contract/termination, Contractor does not remove its tools from the area of last operation and also if the Contractor commences operation against any other contract(s) for other operators. All charges connected with demobilization including all fees, duties and taxes in relation thereto, insurance and freight within India or on export/re-export outside India will be to Contractor's account.

(v) Upon completion of duration of the contract, the contractor shall submit their last invoice for payment along with any document(s) as required by the Indian laws and asked for by the Company to enable release of payment.

(vi) In case of need for lean period/temporary suspension of Company's activity due to operational reasons, the Company retains the right to De-Mobilize Contractor's Equipment & Tools (any packages) on interim basis and Re-Mobilize the consignment when well operations recommence. 45 (Forty-Five) Days period for Interim Re-Mobilization shall be provided from date of Re-Mobilization Notice of each package of Tools & Equipment.

(vii) No other Charges on any account will be payable from the time the De-Mobilization notice is issued till Re-Mobilization is completed under Company's advice.

(viii) There is no separate payment for demobilisation in case of bits.

**3. ZERO RATES:**

(i) Zero rate will be applicable for a **particular service** for the period, if the job or activity assigned to the Contractor is halted due to **breakdown of Contractor's tools/equipment, non-availability of personnel, spares, or any other reasons whatsoever attributable to the Contractor under that service till the resumption of normal operation.**

(ii) In addition to clause (i) above, zero rate will be applicable for the **entire IDS** package for the period, if the job or activity assigned to the Contractor is halted due to breakdown of Contractor's tools/equipment, non-availability of personnel, spares, or any other reasons whatsoever attributable to the Contractor under any service of IDS-3 **beyond 36 hours till the resumption of normal operation**. However, in case company decides to use any of the service(s)/component(s) independently, then then that service(s)/ component(s) will be eligible for operating rate and standby rate etc as applicable for that service(s)/ component(s) as applicable.

(iii) Zero rate will be applicable for the entire IDS package in case service provider **fail to provide directional drilling and mud service simultaneously**. However, in case company decides to use any other services of IDS-3 independently, then then that service will be eligible for operating rate and standby rate etc as applicable.

**4. FORCE MAJEURE RATE:**

(i) Force majeure conditions are defined in **Clause 31.0 of Section-I**, "General Conditions of Contract".

(ii) All rates shown in Schedule of Rates shall be restricted to 50% of Stand by charges for the service being provided by Contractor at the time of occurrence of force majeure situation. This will be considered as FORCE MAJEURE RATE under all conditions.

(iii) The Force Majeure Rate shall be payable during the first 15 days period of force majeure situation. No payment would apply after expiry of Fifteen (15) days force majeure period, unless otherwise agreed to.

## 5. IDS COORDINATOR

### A.1. MOBILIZATION/INTERIM-MOBILIZATION CHARGES

In addition to applicable common sub clauses under clause (1) above, the following clauses are applicable to mobilisation of IDS Coordinator:

(i) Lump sum mobilisation charge will be payable on successful deployment of approved personnel against IDS coordinator within the mobilisation period of 150 days.

(ii) If the mobilisation is completed before 150 days, he will be eligible for applicable rate only when IDS-3 becomes operational.

(iii) Contractor may deploy additional personal to assist IDS Coordinator, before or after the completion of the mobilisation of IDS Coordinator or alongwith IDS Coordinator, however no additional payment shall be made against additional deployment.

(iv) In case the delay in mobilisation, LD charges will be applicable as defined in GCC and SCC under this contract ***unless otherwise specified.***

(v) Mobilization charges for IDS coordinator of Price Bid shall not exceed **1% of its total quoted value** in the Price Bid format. However, such Mobilization charges if quoted more than 1%, the excess amount shall be paid at the end of the contract.

(vi) Interim Mobilization charges for IDS coordinator of Price Bid should not exceed **0.5 % of its total quoted value** in the Price Bid format. However, such Interim Mobilization charges if quoted more than 0.5 %, the excess amount shall be paid at the end of the contract. Each down hole tool / equipment should have minimum number of back- up tool / equipment (as per **SCOPE OF WORK / TERMS OF REFERENCE PART-3, SECTION-II**).

### A.2. DE-MOBILIZATION/INTERIM DE-MOBILIZATION CHARGES

(i) Lump sum on demobilisation charge will be payable under clause (2) above whichever is applicable.

(ii) De- Mobilization charges for IDS coordinator of Price Bid should not be less than 1% of its total quoted value in the Price Bid format. However, if such De-mobilization is quoted in deficit or less than 1%, the deficit amount shall be withheld from the first invoice and the same will be paid at the end of the contract along with Demobilization charges.

(iii) Interim De-mobilization charges of IDS coordinator of Price Bid should not exceed 0.5 % of its total quoted value in the Price Bid format. However, if such Interim De-mobilization is quoted in deficit or less than 0.5%, the deficit amount shall be withheld from the invoice and the same will be paid at the end of the contract.

**A.3. OPERATIONAL CHARGES**

Once mobilisation completed as per Clause (1) and A.1. above, IDS Coordinator is entitled for applicable Operating Day Rate as quoted by the bidder.

**A.4. STAND BY CHARGES**

Standby Day Rate is applicable for IDS Coordinator which will be 90% of his operating charge, only when he will serve duty on company's advice during interim demobilisation of entire IDS-3 service.

**6.** In addition to applicable common sub clauses under clause (1-4) above, the following clauses are applicable to individual service:

**B. <u>DIRECTIONAL SERVICES</u>**

**B.1. MOBILIZATION/INTERIM-MOBILIZATION CHARGES OF TOOLS, EQUIPMENT& PERSONNEL**

In addition to applicable common sub clauses under clause (1) above, the following clauses are applicable to mobilisation of directional services:

(i) Mobilization charge will not be released based on arrival of individual **set/ consumables/ service/tools/equipment/manpower (as applicable)** although there will/may be individual mobilization charges (lump sum) for different **set/ consumables/service/tools/equipment/ manpower (as applicable)**. Mobilization shall be considered as completed only after fulfilling the conditions stipulated in subclauses (a) to (e) of Clause [(1) (vi)] above are met without any exception.

(ii) All surface & sub surface **set/ consumables/service/tools /equipment /manpower (as applicable)** as per contractual obligation (technical Specification & quantity wise) arrive at OIL's designated site, unless specified by OIL.

(iii) All tools & equipment pertaining to all the directional sets (i.e., adequate to cover 17½", 12¼", 8½" and 6" hole with or without common tool for multiple section as applicable) along with chemicals and other **tools, equipment, consumables as detailed in the SCOPE OF WORK / TERMS OF REFERENCE PART-3, SECTION-II,** are present for inspection as per T&C of the contract as per the mobilisation notice(s).

(iv) Upon completion of mobilization in case of direction drilling service package with LWD/MWD set, OIL at its discretion and as per operational requirement will decide on utilization of the particular set, which will be made **ACTIVE** with due intimation to contractor. However, all other sets within the package along with any Callout items will be under **PASSIVE** mode and payments will only be made to the **ACTIVE** set. No other payment in this regard will be made to other **PASSIVE** sets. The set will be kept **ACTIVE** till Casing and Cementation is successfully done for that particular section. Generally, upon completion of cementation, the existing **ACTIVE** set will be made **PASSIVE,** and the next section will be made **ACTIVE**. However, OIL at its discretion may decide on activation of any Set during the course of operation based on operational requirement.

All payments in this regard will also be billed accordingly. Since, shifting between sets are the responsibility of IDS coordinator, Company may or may not intimate any Interim notice for shifting between sets.

(v) Mobilization charges for each line item (wherever applicable) **under Directional Services** of Price Bid shall not exceed **1% of its total quoted value** in the Price Bid format. However, such Mobilization charges if quoted more than 1%, the excess amount shall be paid at the end of the contract.

(vi) Interim Mobilization charges of each line item (wherever applicable) **under Directional Services** of Price Bid should not exceed **0.5 % of its total quoted value** in the Price Bid format. However, such Interim Mobilization charges if quoted more than 0.5 %, the excess amount shall be paid at the end of the contract. Each down hole tool / equipment should have minimum number of back- up tool / equipment (as per **SCOPE OF WORK / TERMS OF REFERENCE PART-3, SECTION-II**).

**B.2. DE-MOBILIZATION/INTERIM DE-MOBILIZATION CHARGES OF TOOLS/ EQUIPMENT**

(i) Lump sum on demobilisation charge will be payable under clause (2) above whichever is applicable.

(ii) De-Mobilization charges for each line item (wherever applicable) **under directional services** office of Price Bid should not be less than 1% of its total quoted value in the Price Bid format. However, if such De-mobilization is quoted in deficit or less than 1%, the deficit amount shall be withheld from the first invoice and the same will be paid at the end of the contract along with Demobilization charges.

(iii) Interim De-mobilization charges of each line item (wherever applicable) **under directional services** of Price Bid should not exceed **0.5 %** of its total quoted value in the Price Bid format. However, if such Interim De-mobilization is quoted in deficit or less than **0.5%**, the deficit amount shall be withheld from the invoice and the same will be paid at the end of the contract

**B.3. OPERATIONAL CHARGES OF (TOOLS & EQUIPMENT INCLUDING MANPOWER)**

Under the contract, Contractor shall be entitled to an Operating Day Rate as detailed below:

(i) These rates are inclusive of spares and consumables etc. if required (including spares for repairs and maintenance of RSS-SDMM-MWD-LWD and Jars) for the successful completion of the work.

(ii) During tripping in, Operating Day Rate shall be payable for all tools/equipment including manpower provided the tools are **100 m below the rotary table** in the well including surface testing as defined below and will be pro-rated to the nearest hour.

(iii) Surface Testing is defined as function testing of all tools/equipment of BHA below rotary table.

(iv) During tripping out operation, Operating Day Rate for all tools/equipment including manpower will be payable only up to **150 m below the rotary table**.

(v) **DURING APPLICABLE OPERATING PERIOD MENTIONED ABOVE, ONLY OPERATING DAY RATE SHALL BE PAYABLE AND NO OTHER CHARGES SHALL BE APPLICABLE FOR THE ACTIVE SET. DURING NON-OPERATING PERIOD ONLY STAND-BY DAY RATE SHALL BE PAYABLE FOR THE ACTIVE SET. BIDDER SHOULD TAKE THIS INTO CONSIDERATION AND QUOTE ACCORDINGLY.**

(vi) Operating Day Rate shall also be paid during stuck up / fishing operation for the **first 36 hours** (per occurrence) beyond which only standby day rates shall be payable. Standby Charges shall cease to be paid from the time OIL decides to call off fishing operations to recover Contractor's tool/equipment from hole and notifies Contractor accordingly.

(vii) **However, during the stuck situation, operating rates will continue to be paid for pertaining to the fact that it is well established to the satisfaction of OIL that the Jar is firing. If the jar fails to operate due to any reasons, Clause (v) above will also be applicable to the Jar.**

(viii) **Operating Day Rate shall be payable with Tool in hole for first 36 hours, per occurrence, in case drilling is stopped due to well activity or mud loss conditions. Standby Day Rate shall only be payable beyond 36 hours, till normal operation is resumed.**

(ix) Operating Day Rate shall be payable with Tool in hole for first 36 hours, per occurrence, in case drilling is stopped due to major rig maintenance. Standby Day Rate shall only be payable beyond 36 hours, till normal drilling operation is resumed.

(x) In the event the Contractor's operating crew is not available for operation at any point of time during the period of contract no payment shall be made for such period.

(xi) Operating Day Rate shall not be payable for any tool/equipment of BHA if it fails to function below R/Table after "Surface Testing".

(xii) **Zero Rate** will be applicable for entire Bottom Hole Assembly, in case of discontinuation / suspension of normal operation (drilling or round trip) due to malfunctioning of any one component of BHA leading to pulling out of drill string. Operating rate for entire Bottom Hole Assembly will cease to be paid under these circumstances.

(xiii) Under above circumstances, zero rate will continue for entire Bottom Hole Assembly for the period starting from suspension of normal operation (drilling and roundtrip) till normal (identical) operation is resumed at the same depth. However, any shut down period in days/hours (such as crew shortage, machinery failure, rig repairing, local bandh etc.) owing to OIL or other reasons (not attributable to Contractor's fault) during the zero-rate period will be appropriately deducted from zero rate period.

(xiv) Selective Zero rate will be applicable only for those malfunctioning components of BHA, when normal operation (drilling or round-trip) is continued with other functional components of BHA as per the consent of OIL representative. The Selective Zero rate for non-functional tool will continue from the time of fault detection (down hole) till the drill string is pulled out of hole after completion of normal operation. The functional components of BHA will continue to be paid operating rate under such circumstances.

(xv) However, under above circumstances if OIL decides to pull out the BHA for changing the malfunctioned component owing to operational requirement which may lead to operational downtime, zero rate for entire downhole components will be applicable from the time of **stoppage of drilling operations till** normal (identical) operation is resumed at the same depth as per **Para(B-3) (xii)**mentioned above.

(xvi) Without back up of tools/equipment in working condition, under this condition – the moment any tool failure is detected in operation, immediately zero rate will be applicable as defined in **Para**(**B-3) (x), (xi) & (xii)** under schedule of rates. Additionally, penalty @ 100% of Operating rate of the faulty tool(s) will be levied from the waiting period at surface till the replacement/back up tool(s) is available at site.

(xvii) Assembling/Making Directional BHA including surface testing time should be limited to 6 (Six) hrs max. Beyond 6 (Six) hrs, zero rate will be applicable. However, in case of the delay beyond 6 hrs on account of rig will not be attributable to the service provider.

**B.4. STAND BY CHARGES OF TOOLS/EQUIPMENT INCLUDING MANPOWER**

(i) Standby Day Rates for tools & equipment including manpower will be applicable for non-operating period of tools & equipment.

(ii) Once the Operating Day Rate is applicable no Standby Day Rate will be payable for tools/equipment and manpower.

(iii) During Stand by period, the equipment has to be in fully operating condition. Prior permission from OIL will be required for repair and preventive maintenance.

(iv) Standby Day Rate shall not be payable once the de- mobilization notice is issued by OIL for any Regular or Callout tools.

(v) Standby Day Rate shall be applicable for any tool/equipment of BHA including manpower during the period it lies on surface and during surface testing of the same to about 100 meter below rotary table.

(vi) If the Contractor withdraws the whole or part of the equipment or any manpower resulting in breakdown of operation, zero Rate will be paid.

(vii) **Standby Day Rate for the tools and equipment under the ACTIVE SET will continue to be payable during "Dismantling of Contractor's facility at one location, Inter-Location movement, Re-Installation & Re-Commissioning of Contractor's facility at next location".**

(viii) Standby Day Rate includes supply of spares & consumables, replacement/maintenance cost and any other operational requirement if any during the contractual period. The Contractor must maintain minimum stock of any such regularly required items at the drilling site under their possession to ensure uninterrupted service.

(ix) All equipment, tools and accessories etc. will be provided by the Contractor **as specified in the Scope of Work** for due performance of the intended services without any additional rental charges to Company **including any other necessary equipment, tools and accessories which will be part of their own equipment and tools**.

(x) Standby Day Rate will be payable for full day or part thereof on prorata basis up to the nearest hour.

(xi) If a particular tool / equipment under Regular Services is found to be non-functional during operation first time in a well after successful initial mobilization of the set, in that case 25% of the standby charges made against that tool /equipment will be recovered from the date of mobilization at OIL designated site. In addition to it, 0.50% of quoted mobilisation charge of that particular equipment/ tool will be deducted per week or part there off upto maximum of 7.5% of quoted mobilisation charge of that particular equipment/ tool in case of delay in replacement beyond 15 days as a penalty.

(xii) If OIL decide to continue the operation without the Backup tool, **50% payment** will be made against operating and **50% payment** will be made standby charges for the particular tool till replacement of the malfunctioned tool arrives at site.

(xiii) If a particular tool / equipment within the Callout set is found to be non-functional during operation first time in a well after successful initial mobilization, in that case 100% of the standby/rental charges of the tool will be recovered from the date of mobilization will be recovered at OIL designated site. In addition to it, 0.50% of quoted mobilisation charge of that particular equipment will be deducted per week or part there off upto maximum of 7.5% of the quoted mobilisation charge of that particular equipment /tool in case of delay in replacement is beyond 15 days as a penalty.

(xiv) Deleted as line item is not available in the price bid**.**

**C. MUD ENGINEERING SERVICES**

Following charges are applicable to Mud Engineering Services

**C.1. MOBILIZATION/INTERIM-MOBILIZATION CHARGES OF TOOLS, EQUIPMENT& PERSONNEL:**

In addition to applicable common sub clauses under clause (1) above, the following clauses are applicable to mobilisation of Mud Engineering Services:

(i) Contractor needs to mobilize quantities of chemicals as indicated/detailed in **TABLE NO 11** of the Scope of Work (SOW) of Mud Engineering Services, prior to commencement of operation. Noncompliance of this clause shall attract LD as per the provisions of the contract.

(ii) Mobilization charge for the centrifuge applicable against each call out.

(iii) Mobilisation/interim mobilisation are applicable for Mud Engineers against each Mobilisation/interim mobilisation.

(iv) Mobilization charges for **Mud Engineering Service excluding centrifuge** (wherever applicable) of Price Bid shall not exceed **1% of its total quoted value of Mud Engineering Service excluding centrifuge** in the Price Bid format. However, such Mobilization charges if quoted more than 1%, the excess amount shall be paid at the end of the contract.

(v) Interim Mobilization charges for **Mud Engineering Service excluding centrifuge** (wherever applicable) of Price Bid should not exceed **0.5 % of its total quoted value of Mud Engineering Service excluding centrifuge** in the Price Bid format. However, such Interim Mobilization charges if quoted more than 0.5 %, the excess amount shall be paid at the end of the contract. Each down hole tool / equipment should have minimum number of back- up tool / equipment (as per **SCOPE OF WORK / TERMS OF REFERENCE PART-3, SECTION-II**).

(vi) Mobilization charges for **Centrifuge** of Price Bid shall not exceed **1% of its total quoted value** of centrifuge in the Price Bid format. However, such Mobilization charges if quoted more than 1%, the excess amount shall be paid at the end of the contract.

**C.2. DE-MOBILIZATION/INTERIM DE-MOBILIZATION CHARGES OF TOOLS/ EQUIPMENT**

(i) Demobilisation will be guided by the applicable common sub clauses under clause (2) above.

(ii) De- Mobilization charges for **Mud Engineering Service excluding centrifuge** of Price Bid should not be less than 1% of its total quoted value **of Mud Engineering Service excluding centrifuge** in the Price Bid format. However, if such De-mobilization is quoted in deficit or less than 1%, the deficit amount shall be withheld from the first invoice and the same will be paid at the end of the contract along with Demobilization charges.

(iii) Interim De-mobilization charges for **Mud Engineering Service excluding centrifuge** of Price Bid should not exceed 0.5 % of its total quoted value **of Mud Engineering Service excluding centrifuge** in the Price Bid format. However, if such Interim De-mobilization is quoted in deficit or less than 0.5%, the deficit amount shall be withheld from the invoice and the same will be paid at the end of the contract

(iv) De- Mobilization charges for **Centrifuge** of Price Bid should not be less than 1% of its total quoted value of centrifuge in the Price Bid format. However, if such De-mobilization is quoted in deficit or less than 1%, the deficit amount shall be withheld from the first invoice and the same will be paid at the end of the contract along with Demobilization charges.

**C.3. OPERATIONAL CHARGES OF (TOOLS & EQUIPMENT INCLUDING MANPOWER**

(i) Operating Day Rate shall be payable for any tool/equipment of BHA if it fails to function below R/Table after "Surface Testing" **for Mud Engineers.**

(ii) Operational Day Rate shall be payable for the Mud Engineers to perform their Work as envisaged under the Contract from the day the Contractor completes Mobilization of Contractor's personnel at the designated Locations in conformity with the contractual provisions/ mobilization notice.

(iii) In the event the Contractor's operating crew is not available for operation at any point of time during the period of contract no payment shall be made for such period.

**C.4. OPERATIONAL CHARGES OF CENTRIFUGE INCLUDING MANPOWER**

(i) Operational Day Rate shall be payable for the **Centrifuge** to perform their Work as envisaged under the Contract during drilling and circulation notice.

**C.5. STAND BY CHARGES OF TOOLS/EQUIPMENT INCLUDING MANPOWER**

(i) Standby Day Rate for Contractor's Mud Engineers shall be payable for the period during which normal drilling operations are suspended due to rig repair/standby/shutdown etc. leading to suspension of Mud Engineering Services continuously for more than 48 hours. However, for the initial consecutive 48 hours of suspension of Mud Engineering Services under such conditions, the Operational Day Rate shall be payable. The Standby Day Rate shall apply only for the period beyond initial 48 hours till resumption of normal services.

(ii) Standby Day Rate of Mud Engineers **shall not** exceed 50% of the quoted operating rate of Mud Engineers in the Price Bid [i.e. Contractor will be paid maximum 50% of the operating rate for standby against Mud Engineers, in case quotes excess of 50%], if the bidder quotes more than the prescribed limit, then there bid shall be evaluated considering there quoted standby rate, but subsequent award (if successful) shall be done limiting the standby day rate to 50% of the quoted operating day rate**.**

**C.6. STAND BY CHARGES OF CENTRIFUGE INCLUDING MANPOWER**

(i) Standby Day Rate for **Centrifuge including manpower** shall be payable during non-circulating time.

(ii) Standby Day Rate of **Centrifuge including manpower shall not** exceed 50% of the quoted operating rate in the Price Bid [i.e. Contractor will be paid maximum 50% of the operating rate for standby against **Centrifuge including manpower**, in case quotes excess of 50%]if the bidder quotes more than the prescribed limit, then there bid shall be evaluated considering there quoted standby rate, but subsequent award (if successful) shall be done limiting the standby day rate to 50% of the quoted operating day rate**.**

**C.7. ZERO RATES**

In addition to applicable common sub clauses under clause (3) above, the following clauses are applicable to mobilisation of Mud Engineering Services

(i) Zero rate will be applicable to the mud engineering services arising out of any stock out situation of either one or more chemicals, due to unplanned supply chain and rejection of chemicals after nonconformity of laboratory testing. Contractor should take enough measures for maintain quality of chemicals to avoid such type of situations.

(ii) In case of non-availability of chemicals (One or many) as indicated in **Table-11** of SOW which amounts to suspension of operation, ZERO rate and applicable penalty will be levied on deviation services and mud services till the stock is replenished.

(iii) It is to be noted that due to rejection of any chemical as indicated in **Table-15** under/in the Scope of Work (SOW), after nonconformity of laboratory testing or arising of any stock out situation, due to unplanned supply chain, ZERO rate to mud engineering services will be applicable with immediate effect till the replenishment of stock. Contractor should take enough measures for maintain quality of chemicals to avoid such type of situations. Considering the operational.

(iv) Zero Rate for **Centrifuge** shall be applicable during operational time against nonfunctional of centrifuge beyond 24 hours.

## 8. PAYMENT FOR BIT: (PERFORMANCE BASED)

(i) There is no separate payment for mobilisation in case of bits services/supply of bits.

(ii) Price of the bit must be all inclusive and ready for use with all respect at designated location including all applicable taxes.

(iii) The cost of transportation back or maintaining in inventory of unused bit is the responsibility of bidder and no additional payment will be made.

(iv) Payment to the Contractor shall be released by OIL against submission of monthly bill /invoice towards the cost of Bit(s) consumed during the month and Service charges, payable if any.

(v) If the offered bit(s) by the Bidder fail to maintain the minimum performance criteria as per SoW and claimed by the bidder in any hole size, then payment for those bit(s) will be made as follows:

**TABLE NO. (20.1): PAYMENT TERMS FOR BIT (PERFORMASNCE BASED)**

| Sl.No. | Field | METERAGE (Hrs.) | PAYMENT TERMS |
|---|---|---|---|
| | | **17½" Hole (TCR)** | |
| 1 | F1 | 900 meters or more | 100% of the price mentioned in the contract |
| 2 | F1 | 600-899 m | 75% of the price mentioned in the contract |
| 3 | F1 | 400 – 599 m | 50% of the price mentioned in the contract |
| 4 | F1 | Less than 400 m | 25% of the price mentioned in the contract |

| | | | |
|---|---|---|---|
| | **12¼" Hole (TCR)** | | |
| 5 | F1 | 800 meters or more | 100% of the price mentioned in the contract |
| 6 | F1 | 500 – 799 m | 75% of the price mentioned in the contract |
| 7 | F1 | 400 - 499 m | 50% of the price mentioned in the contract |
| 8 | F1 | Less than 400 m | 25% of the price mentioned in the contract |
| | **12¼" Hole (PDC)** | | |
| 9 | F1 | 1500 m or more | 100% of the price mentioned in the contract |
| 10 | F1 | 1200 – 1499 m | 50% of the price mentioned in the contract |
| 11 | F1 | Less than 1200 m | 25% of the price mentioned in the contract |
| | **8.½" Hole (TCR)** | | |
| 12 | F1 | **300 m or more** | 100% of the price mentioned in the contract |
| 13 | F1 | 150 – 299 m | 75% of the price mentioned in the contract |
| 14 | F1 | 100 – 149 m | 50% of the price mentioned in the contract |
| 15 | F1 | Less than 100 m | 25% of the price mentioned in the contract |
| | **8½" Hole (PDC)** | | |
| 16 | F1 | 1200 m or more | 100% of the price mentioned in the contract |
| 17 | F1 | 1000 – 1199 m | 50% of the price mentioned in the contract |
| 18 | F1 | Less than 1000 m | 25 % of the price mentioned in the contract |
| | **8½" Hole (Insert)** | | |
| 19 | F1 | 200 meter or more | 100% of the price mentioned in the contract |
| 20 | F1 | Less than 200 m | 25% of the price mentioned in the contract |
| | **6" Hole (TCR)** | | |
| 21 | F1 | 200 m or more | 100% of the price mentioned in the contract |
| 22 | F1 | 180-199 m | 75% of the price mentioned in the contract |
| 23 | F1 | 160 – 179 m | 50% of the price mentioned in the contract |
| 24 | F1 | Less than 160 m | 25% of the price mentioned in the contract |
| | **6" Hole (PDC)** | | |
| 25 | F1 | 600 m or more | 100% of the price mentioned in the contract |

| | | | |
|---|---|---|---|
| 26 | F1 | Less than 600 m | 25 % of the price mentioned in the contract |
| | **6" Hole (Insert)** | | |
| 27 | F1 | 300 meters or more | 100% of the price mentioned in the contract |
| 28 | F1 | 100 – 149 m | 75% of the price mentioned in the contract |
| 29 | F1 | Less than 75 m. | 25% of the price mentioned in the contract |

**TABLE NO. (20.2): PAYMENT TERMS FOR BIT (PERFORMASNCE BASED)**

| Sl.No. | Field | METERAGE (Hrs.) | PAYMENT TERMS |
|---|---|---|---|
| | **17½" Hole (TCR)** | | |
| 1 | F2 | 800 meters or more | 100% of the price mentioned in the contract |
| 2 | F2 | 600-899 m | 75% of the price mentioned in the contract |
| 3 | F2 | 400 – 599 m | 50% of the price mentioned in the contract |
| 4 | F2 | Less than 400 m | 25% of the price mentioned in the contract |
| | **12¼" Hole (TCR)** | | |
| 5 | F2 | 650 meters or more | 100% of the price mentioned in the contract |
| 6 | F2 | 500 – 649 m | 75% of the price mentioned in the contract |
| 7 | F2 | 400 - 499 m | 50% of the price mentioned in the contract |
| 8 | F2 | Less than 400 m | 25% of the price mentioned in the contract |
| | **12¼" Hole (PDC)** | | |
| 9 | F2 | 1500 m or more | 100% of the price mentioned in the contract |
| 10 | F2 | 1200 – 999 m | 50% of the price mentioned in the contract |
| 11 | F2 | Less than 800 m | 25% of the price mentioned in the contract |
| | **8.½" Hole (TCR)** | | |
| 12 | F2 | 300 m or more | 100% of the price mentioned in the contract |
| 13 | F2 | 150 – 299 m | 75% of the price mentioned in the contract |
| 14 | F2 | 100 – 149 m | 50% of the price mentioned in the contract |
| 15 | F2 | Less than 100 m | 25% of the price mentioned in the contract |

| | | | |
|---|---|---|---|
| | **8½" Hole (PDC)** | | |
| 16 | F2 | 1200 m or more | 100% of the price mentioned in the contract |
| 17 | F2 | 1000 – 1199 m | 50% of the price mentioned in the contract |
| 18 | F2 | Less than 1000 m | 25 % of the price mentioned in the contract |
| | **8½" Hole (Insert)** | | |
| 19 | F2 | 200 meter or more | 100% of the price mentioned in the contract |
| 20 | F2 | Less than 200 m | 25% of the price mentioned in the contract |
| | **6" Hole (TCR)** | | |
| 21 | F2 | 200 m or more | 100% of the price mentioned in the contract |
| 22 | F2 | 180-199 m | 75% of the price mentioned in the contract |
| 23 | F2 | 160 – 179 m | 50% of the price mentioned in the contract |
| 24 | F2 | Less than 160 m | 25% of the price mentioned in the contract |
| | **6" Hole (PDC)** | | |
| 25 | F2 | 600 m or more | 100% of the price mentioned in the contract |
| 26 | F2 | Less than 600 m | 25 % of the price mentioned in the contract |
| | **6" Hole (Insert)** | | |
| 27 | F2 | 300 meters or more | 100% of the price mentioned in the contract |
| 28 | F2 | 100 – 149 m | 75% of the price mentioned in the contract |
| 29 | F2 | Less than 75 m. | 25% of the price mentioned in the contract |

**TABLE NO. (20.3): PAYMENT TERMS FOR BIT (PERFORMASNCE BASED)**

| Sl.No. | Field | METERAGE (Hrs.) | PAYMENT TERMS |
|---|---|---|---|
| | **17½" Hole (TCR)** | | |
| 1 | F3 | 500 meters or more | 100% of the price mentioned in the contract |
| 2 | F3 | 400-499 m | 75% of the price mentioned in the contract |
| 3 | F3 | 300-399 m | 50% of the price mentioned in the contract |
| 4 | F3 | Less than 300 m | 25% of the price mentioned in the contract |
| | **12¼" Hole (TCR)** | | |

| | | | |
|---|---|---|---|
| 5 | F3 | 500 meters or more. | 100% of the price mentioned in the contract |
| 6 | F3 | 400-499 m | 75% of the price mentioned in the contract |
| 7 | F3 | 300-399 m | 50% of the price mentioned in the contract |
| 8 | F3 | Less than 300 m | 25% of the price mentioned in the contract |
| | | **12¼" Hole (PDC)** | |
| 9 | F3 | 800 m or more. | 100% of the price mentioned in the contract |
| 10 | F3 | 600-799 m | 50% of the price mentioned in the contract |
| 11 | F3 | Less than 600 m. | 25% of the price mentioned in the contract |
| | | **8.½" Hole (TCR)** | |
| 12 | F3 | **200 m or more.** | 100% of the price mentioned in the contract |
| 13 | F3 | 100-199 m | 75% of the price mentioned in the contract |
| 14 | F3 | 75-99 m | 50% of the price mentioned in the contract |
| 15 | F3 | Less than 75 m | 25% of the price mentioned in the contract |
| | | **8.½" Hole (PDC)** | |
| 16 | F3 | 800 m or more | 100% of the price mentioned in the contract |
| 17 | F3 | 500-799 m | 50% of the price mentioned in the contract |
| 18 | F3 | Less than 500 m | 25 % of the price mentioned in the contract |
| | | **8½" Hole (Insert)** | |
| 19 | F3 | 150 meter or more | 100% of the price mentioned in the contract |
| 20 | F3 | Less than 150 m | 25% of the price mentioned in the contract |
| | | **6" Hole (TCR)** | |
| 21 | F3 | 150 m or more | 100% of the price mentioned in the contract |
| 22 | F3 | 100-149 m | 75% of the price mentioned in the contract |
| 23 | F3 | 75-99 m. | 50% of the price mentioned in the contract |
| 24 | F3 | Less than 75 m | 25% of the price mentioned in the contract |
| | | **6" Hole (PDC)** | |
| 25 | F3 | 400 m or more | 100% of the price mentioned in the contract |

| | | | |
|---|---|---|---|
| 26 | F3 | Less than 400 m | 25 % of the price mentioned in the contract |
| | | **6" Hole (Insert)** | |
| 27 | F3 | 250 meters or more | 100% of the price mentioned in the contract |
| 28 | F3 | 80-99 m | 75% of the price mentioned in the contract |
| 29 | F3 | Less than 60 m. | 25% of the price mentioned in the contract |

**NOTES:**

(i) Field "F1, F2 and F3" represents the following fields:
F1= namely Baghjan, South Baghjan, Lakwagaon, Barekuri, Makum, Hapjan, Dinjan, Khagorijan, Jorajan, Kushijan, Dikom-Kuhiarbari, Kathaloni-Basmatia and Naharkatia fields in Assam, India.
F2= namely Balimara and adjacent fields in Assam, India
F3= Kumchai field in Arunachal Pradesh, India.

(ii) The above tabulation of payment is applicable if sectional TD is more than or equal to the specified meterage for 100% payment category and if sectional TD is less than this depth then bidder is eligible for 100% payment, however, OIL has the discretion to use the same in other location with or without IDS-3 and no additional payment shall be made.

(iii) In addition to drilling, all bits must be capable of using in hole probing tripping, reaming or wash-down if encountered tight spots/held-up/squeeze etc. but not limited.

(iv) In case where the drilling of remaining length of a particular section is such that it is not economical to run new bit, then OIL may use its own bit to complete the section.

(v) In case of a loss of cone/roller of supplied bit during operation no payment shall be made against the bit and subsequently following payment and deduction shall be applicable against the **Directional Services, Mud Engineering Services and Underreaming services (if Underreaming services is under operation)** under IDS package till the resumption of original operation:

| **TABLE NO. (21): PANALTY FOR BIT** | | |
|---|---|---|
| **Sl. No.** | **Description** | **Period/time** |
| 1 | In case of a loss of cone/roller of supplied bit during operation. | No payment shall be made against the bit and moreover, following penalty will be levied |
| 2 | Stand by rate with following deduction (i.e., Sl. No. 2-4) | Once drill string is out of hole/above rotary with loss of cone/roller/bit. |
| 3 | 5% of ODR will be deducted from the standby rate | Initial 48 hr since string is out of hole/above rotary with loss of cone/roller /bit. |

| | | |
|---|---|---|
| 4 | 10% of ODR will be deducted from the standby rate | Beyond 48 hr since string is out of hole/above rotary with loss of cone/roller/bit till 96 hours. |
| 5 | 20% of ODR will be deducted from the standby rate (maximum) | Beyond 96 hr since string is out of hole/above rotary with loss of cone/roller/bit till the resumption of original operation. |

(vi) Contractor shall maintain following minimum ROP in Barekuri, Baghjan and Kumchai Filed. If contractor fails to achieve the average ROP for consecutive 72 hours in a particular hole size, OIL at its discretion may ask the Contractor to pull the bit out of hole or continue the operation. Subsequently, OIL at its discretion may ask the Contractor to replace the bit with higher performance and the payment shall be made at deducting 10% of the quoted cost of the underperformed bit**.** In case the replacement bit also underperformed in terms of ROP, additional 10% will be deducted from the quoted price.

**TABLE NO. (22): MINIMUM ROP**

| **Sl. No.** | **Size of** | **Name of Field** | **ROP** |
|---|---|---|---|
| 1 | 17½" | Baghjan, South Baghjan, Lakwagaon, Barekuri, Makum, Hapjan, Dinjan, Khagorijan, Jorajan, Kushijan, Dikom-Kuhiarbari, Kathaloni-Basmatia and Naharkatia | 10 meter/hr |
| | | Balimara and adjacent field | 8 meter/hr |
| | | Kumchai | 6 meter/hr |
| 2 | 12¼ | Baghjan, South Baghjan, Lakwagaon, Barekuri, Makum, Hapjan, Dinjan, Khagorijan, Jorajan, Kushijan, Dikom-Kuhiarbari, Kathaloni-Basmatia and Naharkatia | 8 meter/hr |
| | | Balimara and adjacent field | 6 meter/hr |
| | | Kumchai | 4 meter/hr |
| 3 | 8½" | Baghjan, South Baghjan, Lakwagaon, Barekuri, Makum, Hapjan, Dinjan, | 4 meter/hr |

| | | | |
|---|---|---|---|
| | | Khagorijan, Jorajan, Kushijan, Dikom-Kuhiarbari, Kathaloni-Basmatia and Naharkatia | |
| | | Balimara and adjacent field | 3 meter/hr |
| | | Kumchai | 2 meter/hr |
| 4 | 6" | Baghjan, South Baghjan, Lakwagaon, Barekuri, Makum, Hapjan, Dinjan, Khagorijan, Jorajan, Kushijan, Dikom-Kuhiarbari, Kathaloni-Basmatia and Naharkatia | 0.25 meter/hr |
| | | Balimara and adjacent field | 0.25 meter/hr |
| | | Kumchai | 0.25 meter/hr |

**9. PAYMENT FOR BIT: (BIT Basket and Hi-tech bits.)**

(i) There will be no separate payment for mobilisation in case of bits services/supply of bits.

(ii) Price of the bit must be all inclusive and ready for use with all respect at designated location including all applicable taxes.

(iii) The cost of transportation back or maintaining in inventory of unused bit is the responsibility of bidder and no additional payment will be made.

(iv) Payment to the Contractor shall be released by OIL against submission of monthly bill /invoice towards the cost of Bit(s) consumed during the month and Service charges, payable if any.

(v) In addition to drilling, all bits must be capable of using in hole probing tripping, reaming or wash-down if encountered tight spots/held-up/squeeze etc. but not limited.

(vi) In case where the drilling of remaining length of a particular section is such that it is not economical to run new bit, then OIL may use its own bit to complete the section.

(vii) OIL shall have the discretion to use the bits irrespective of the deployment of directional as well as mud engineering services .

(viii) Bidder should have software based Integrated dynamic engineering analysis for bit selection and simulation. Bidder to submit report of such analysis and simulation if Oil request, without any additional cost. Bidder to confirm the same.

(ix) Bidder should also note that there shall be no minimum guaranteed off-take by OIL. Payment shall be released by OIL only for the actual quantity consumed.

**10. GENERAL NOTES:**

(i) Bidders should indicate name and address of their Indian agent if any and should specify the percentage of commission if any involved and it should be included in the quoted rates. In case no Indian agent commission is involved then should be shown as "NIL".

**To,**
**CGM-CONTRACT(HoD)**
**OIL INDIA LIMITED**
**DULIAJAN-786602**

**SUB: SAFETY MEASURES**

**Description of service: Hiring of Integrated Drilling Services (IDS)-3 for Drilling Wells in Assam and Arunachal Pradesh'**

Sir,

We hereby confirm that we have fully understood the safety measures to be adopted during execution of the above contract and that the same have been explained to us by the concerned authorities. We also give the following assurances.

a) Only experienced and competent persons shall be engaged by us for carrying out work under the said contract.

b) The names of the authorized persons who would be supervising the jobs on day to day basis from our end are the following:

i) _____

ii) _____

iii) _____

The above personnel are fully familiar with the nature of jobs assigned and safety precautions required.

c) Due notice would be given for any change of personnel under item (b) above.

d) We hereby accept the responsibility for the safety of all the personnel engaged by us and for the safety of the Company's personnel and property involved during the course of our working under this contract. We would ensure that all the provisions under the Oil Mines Regulations, 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.

g) We shall abide by the following HSE (Health, Safety & Environmental) POINTS:

**GENERAL HEALTH, SAFETY & ENVIRONMENT (HSE) POINTS:**

1. It will be solely the **Contractor's responsibility to fulfil all the legal formalities** with respect to the Health, Safety and Environmental aspects of the entire job (namely; the person employed by him, the equipment, the environment, etc.) under the jurisdiction of the district of that state where it is operating. Ensure that all subcontractors 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 subcontractors.

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 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 approved. Necessary supportive document shall have to be submitted as proof. If the Contractor fails to provide the safety items as mentioned above to the working personnel, the Contractor may apply to the Company (OIL) for providing the same. OIL will provide the safety items, if available. But in turn, OIL will recover the actual cost of the items by deducting from Contractor's Bill. However, it will be the Contractor's sole responsibility to ensure that the persons engaged by him in the mines use the proper PPE while at work. 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 an assessment of risk, wherever possible and 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.

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 MVT 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 Installation Manager / Safety Officer / Engineer / Official / Supervisor/Junior Engineer for safe operation.

11 **Any compensation arising out of the job carried out by the Contractor** whether related to pollution (attributable to the Contractor), 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 supervisor shall take and maintain attendance of his men every day for the work, punctually.

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 **toolbox meeting** and regular site safety meetings and maintain records.

18 **Records of to be maintained in Form** A (Part A, B), B, D & E (as per Ease of Compliance Gazette Notification No 126 dated 21.02.2017) 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 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 OIL & the contractor with roles and responsibilities clearly defined.

26 For any **HSE matters not specified in the contract document**, the contractor will abide the relevant and prevailing Acts/rules/regulations/ pertaining to Health, Safety and Environment.

(Seal) Yours Faithfully

Date_____ M/s_____

FOR & ON BEHALF OF CONTRACTOR

## 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 **Hiring of Integrated Drilling Services (IDS)-3 for Drilling Wells in Assam and Arunachal Pradesh.** The Principal values full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder/s 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.

**(1)** The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:

(i) No employee of the Principal, personally or through family members, will in connection with the tender for, or 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.

(ii) The Principal will, during the tender process treat all Bidders with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidders the same information and will not provide to any Bidder confidential/additional information through which the Bidder could obtain an advantage in relation to the tender process or the contract execution.

(iii) The Principal will exclude from the process all known prejudiced persons.

**(2)** If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the relevant Anti-Corruption Laws of India, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officers and in addition can initiate disciplinary actions.

**Section: 2 -Commitments of the Bidder/Contractor**

**(1)** The Bidder/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.

(i) 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 h e/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.

(ii) 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.

(iii) The Bidder (s) / Contractor (s) will not commit any offence under the relevant Anticorruption Laws of India, further, the Bidder (s) / Contractor (s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

(iv) The Bidder/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.

(v) Bidders to disclose any transgressions with any other company that may impinge on the anti-corruption principle.

(vi) The Bidder (s)/ Contractor (s) of foreign origin shall disclose the name and address of the Agents/ representatives in India, if any. Similarly, the Bidder (s)/ Contractor (s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further, all the payments made to the Indian agent/ representative have to be in India Rupees only.

(vii) Bidders not to pass any information provided by Principal as part of business relationship to others and not to commit any offence under PC/ IPC Act;

**(2)** The Bidder/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 2 years.

2. The Bidder accepts and undertakes to respect and uphold the Principal's Absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision to resort to such exclusion is taken. This undertaking is given freely and after obtaining independent legal advice.

3. If the Bidder/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. Any issue relating to execution of contract, if specifically raised before the IEMs shall be looked into by IEMs.

**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. However, the documents/records/information having National Security implications and those documents which have been classified as Secret/Top Secret are not to be disclosed.

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.

9. In case of any complaints referred under IP Program, the role of IEMs is advisory and would not be legally binding and it is restricted to resolving the issues raised by an intending bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some bidder.

**Section:9 -Pact Duration**

This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the respective contract, and for all other Bidders 6 months after the contract has been awarded.

If any claim is made/ lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/determined by Chairperson of the Principal.

**Section:10 -Other provisions**

1. This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal. The Arbitration clause provided in the main tender document / contract shall not be applicable for any issue / dispute arising under Integrity Pact.

2. Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

3. If the Contractor / Bidder is a Joint Venture or a partnership concern or a consortium, this agreement must be signed by all partners or consortium members. In case of sub-contracting, the Principal contractor shall take the responsibility of the adoption of IP by the sub-contractor and all sub-contractors shall also sign the IP.

4. Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intensions.

5. Issues like warranty / guarantee, etc. shall be outside the purview of IEMs.

| | |
|---|---|
| **.....** | **.....** |
| **For the Principal** | **For the Bidder/Contractor** |
| | Witness 1: ..... |
| | Witness 2: ..... |

Place.
Date:

**PROFORMA-I**

**BID FORM**

**To**
**M/s Oil India Limited,**
**P.O. Duliajan, Assam, India**

**Sub: IFB No. CDG7089P25**

*Gentlemen*,

Having examined the General and Special Conditions of Contract and the Terms of Reference including all attachments thereto, the receipt of which is hereby duly acknowledged, we the undersigned offer to perform the work/services in conformity with the said conditions of Contract and Terms of Reference for the sum quoted in the Price Bid Format or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to commence the work as per the terms & conditions set out in the subject tender.

If our Bid is accepted, we will submit the Performance Security Deposit as specified in the tender document for the due performance of the Contract.

We agree to abide by this Bid for a period of 120 days from the date of Bid Opening and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof in your notification of award shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this _____ day of _____ .

**Authorised Person's Signature:** _____

**Name:** _____

**Designation:** _____

**Seal of the Bidder:**

**PROFORMA-II**

## STATEMENT OF NON-COMPLIANCE (IF ANY)

**(Only exceptions/deviations to be rendered)**

**1.0** The Bidder shall furnish detailed statement of **exceptions/deviations**, if any, to the IFB 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 |
|---|---|---|---|
| | | | |

**Signature of Bidder:** _____

**Name:** _____

**NOTE:** OIL INDIA LIMITED expects the bidders to fully accept the terms and conditions of the bid document. However, should the bidders still envisage some exceptions/deviations to the terms and conditions of the bid document, the same should be indicated as per above format and submit along with their bids. If the "**Statement of Non-Compliance**" in the above Proforma is left blank (or not submitted along with the Bid), then it would be constructed that the bidder has not taken any exception/deviation to the IFB requirements.

**PROFORMA-III**

**PROFORMA LETTER OF AUTHORISATION FOR ATTENDING BID OPENING**

**TO**
**GM-CONTRACTS(HoD)**
**OIL INDIA LIMITED**
**P.O. DULIAJAN-786602**
**Assam, India**

Sir,

**SUB: OIL's IFB No. CDG7089P25**

I/We _____ confirm that Mr. _____ (Name and address) as authorised to represent us during bid opening on our behalf with you against IFB No. **CDG7089P25** for **Hiring of Integrated Drilling Services (IDS)-3 for Drilling Wells in Assam and Arunachal Pradesh.**

Yours Faithfully,

**Authorised Person's Signature:** _____

**Name:** _____

**Signature of Bidder:** _____

**Name:** _____

**Date:** _____

**PROFORMA-IV**

## PROFORMA LETTER OF AUTHORITY

**TO**
**GM-CONTRACTS(HoD)**
**Contracts Department**
**P.O. DULIAJAN PIN-786602**
**Dist. Dibrugarh, Assam**
**India**

Dear Sir,

**SUB: OIL's IFB No. CDG7089P25**

We_____of_____
Confirm that Mr. _____
_____ (Name and Address) is authorised to represent us to Bid, negotiate and conclude the agreement on our behalf with you against IFB No. **CDG7089P25** for **Hiring of Integrated Drilling Services (IDS)-3 for Drilling Wells in Assam and Arunachal Pradesh** for any commercial/ Legal purpose etc.

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

**Authorised Person's Signature:** _____

**Name:** _____

Yours faithfully,

Signature: _____

Name & Designation _____

For & on behalf of _____

**NOTE:** This letter of authority shall be on printed letter head of the bidder, and shall be signed by a person competent and having the power of attorney (Power of attorney shall be annexed) to bind such Bidder.

**PROFORMA-V**

**FORM OF BID SECURITY (BANK GUARANTEE FORMAT)**

**To**
**M/s OIL INDIA LIMITED,**
**CONTRACTS DEPARTMENT,**
**DULIAJAN, ASSAM, INDIA, PIN-786602**

WHEREAS, (Name of Bidder) _____ (hereinafter called "the Bidder") has submitted their offer Dated _____ for the provision of certain services (hereinafter called "the Bid") against OIL INDIA LIMITED, Duliajan, Assam, India (hereinafter called the Company's) Tender No. _____ KNOW ALL MEN BY these presents that we (Name of Bank) _____ of (Name of Country) _____ having our registered office at _____ (hereinafter called "Bank") are bound unto the Company in the sum of (*_____ ) for which payment well and truly to be made to Company, the Bank binds itself, its successors and assignees by these presents.

SEALED with the said Bank this ___ day of _____ 20_____

THE CONDITIONS of these obligations are:

1. If the Bidder withdraws their Bid within its original/extended validity; or
2. The Bidder modifies/revises their bid 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:

Notwithstanding anything contained herein:
a) Our liability under this Bank Guarantee shall is restricted up to Rs._____

b) This guarantee shall be valid till …….

c) We are liable to pay the guarantee amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before ……(Date of Expiry of BG PLUS one year claim period).

d) At the end of the claim period that is on or after ……. (Date of expiry of the Bank Guarantee Plus Minimum of 1 year claim period shall be stipulated) all your rights under this Guarantee shall stand extinguished and we shall be discharged from all our liabilities under this Guarantee irrespective of receipt of original Bank Guarantee duly discharged, by Bank.

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.

**Note:**

The Bank Guarantee issuing bank branch shall ensure the following:

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

   (i) MT 760 / MT 760 COV for issuance of Bank Guarantee
   (ii) MT 760 / MT 767 COV for amendment of Bank Guarantee

   The above message / intimation shall be sent through SFMS (indicating the Contract Number) by the BG issuing bank branch to ICICI BANK LTD., Duliajan Branch; IFS Code – ICIC0000213; SWIFT Code – ICICINBBXXX; Branch Address: Kunja Bhavan, Daily Bazaar, Duliajan, Dibrugarh, Assam – 786602.

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

**PROFORMA-VI**

**[TO BE FILLED-UP/SUBMITTED BY THE VENDOR ON ITS LETTER HEAD FOR E-REMITTANCE]**

Name:

FULL Address:

Phone Number:
Mobile Number:
E-mail address:
Fax Number:
Bank Account Number (in which the Bidder wants remittance against invoices):
Bank Name:
Branch:
Address of the Bank:
Bank Code:
IFSC/RTGS Code of the Bank:
NEFT Code of the Bank:
PAN Number:
GST Registration Number:

_____

Signature of Bidder with Official Seal

**PROFORMA-VII**

## FORM OF PERFORMANCE BANK GUARANTEE

To:

M/s. Oil India Limited
Contracts Department

Duliajan, Assam - 786602

WHEREAS _____ (Name and address of Contractor) (hereinafter called "Contractor") had undertaken, in pursuance of Contact No. _____ to execute (Name of Contract and Brief Description of the Work) _____ (hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee as security for compliance with Contractor's obligations in accordance with the Contract.

AND WHEREAS we ( May incorporate the Bank Name) have agreed to give the Contractor such a Bank Guarantee; NOW THEREFORE we hereby affirm that we are Guarantors on behalf of the Contractor, up to a total of (Amount of Guarantee in figures) _____ (in words_____), such amount being payable in the types and proportions of currencies in which the Contract price is payable, and we undertake to pay you, upon your first written demand and without cavil or arguments, any sum or sums within the limits of guarantee sum as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein. We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or the work to be performed thereunder or of any of the Contract documents which may be made between you and the Contractor shall in any way cease us from any liability under this guarantee, and we hereby waive notice of such change, addition or modification.

This guarantee is valid until the _____day of _____

The details of the Issuing Bank and Controlling Bank are as under:

A. Issuing Bank:
BANK FAX NO:
BANK EMAIL ID:
BANK TELEPHNE NO:
IFSC CODE OF THE BANK:

B. Controlling Office:

Address of the Controlling Office of the BG issuing Bank:

Name of the Contract Person at the Controlling Office with Mobile No. and e-mail address:

Notwithstanding anything contained herein:

a) Our liability under this Bank Guarantee shall is restricted up to Rs._____

b) This guarantee shall be valid till .....

c) We are liable to pay the guarantee amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before .....(Date of Expiry of BG PLUS one year claim period).

d) At the end of the claim period that is on or after ..... (Date of expiry of the Bank Guarantee Plus Minimum of 1 year claim period shall be stipulated) all your rights under this Guarantee shall stand extinguished and we shall be discharged from all our liabilities under this Guarantee irrespective of receipt of original Bank Guarantee duly discharged, by Bank.

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 the Bank_____
Address _____

**Note:**

The Bank Guarantee issuing bank branch shall ensure the following:

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

(i) MT 760 / MT 760 COV for issuance of Bank Guarantee
(ii) MT 760 / MT 767 COV for amendment of Bank Guarantee

The above message / intimation shall be sent through SFMS (indicating the Contract Number) by the BG issuing bank branch to ICICI BANK LTD., Duliajan Branch; IFS Code – ICIC0000213; SWIFT Code – ICICINBBXXX; Branch Address: Kunja Bhavan, Daily Bazaar, Duliajan, Dibrugarh, Assam – 786602.

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

**PROFORMA-VIII**

## AGREEMENT FORM

This Agreement is made on ____ day of _____ between Oil India Limited, a Government of India Enterprise, incorporated under the Companies Act 1956, having its registered office at Duliajan in the State of Assam, hereinafter called the "Company" which expression unless repugnant to the context shall include executors, administrators and assignees on the one part, and M/s. _____ (Name and address of Contractor) hereinafter called the "Contractor" which expression unless repugnant to the context shall include executors, administrators and assignees on the other part,

WHEREAS the Company desires that Services _____ (brief description of services) should be provided by the Contractor as detailed hereinafter or as Company may requires;

WHEREAS, Contractor engaged themselves in the business of offering such services represents that they have adequate resources and equipment, material etc. in good working order and fully trained personnel capable of efficiently undertaking the operations and is ready, willing and able to carry out the said services for the Company as per Section-II attached herewith for this purpose and

WHEREAS, Company had issued a firm Letter of Award No. _____ dated _____ based on Offer No. _____ dated _____ submitted by the Contractor against Company's IFB No. _____ and the Contractor accepted the same vide Letter No. _____ dated _____.

WHEREAS, the Contractor has furnished to Company the performance security in the form of DD/BC/BG for Rs. _____ (being 5% of Contract value) with validity of 90 (Ninety) days beyond the defect liability period.

All these aforesaid documents shall be deemed to form and be read and construed as part of this agreement/contract. However, should there be any dispute arising out of interpretation of this contract in regard to the terms and conditions with those mentioned in Company's tender document and subsequent letters including the Letter of Intent and Contractor's offer and their subsequent letters, the terms and conditions attached hereto shall prevail. Changes, additions or deletions to the terms of the contract shall be authorized solely by an amendment to the contract executed in the same manner as this contract.

NOW WHEREAS, in consideration of the mutual covenants and agreements hereinafter contained, it is hereby agreed as follows –

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2. In addition to documents herein above, the following Sections and Annexures attached herewith shall be deemed to form and be read and construed as part of this agreement viz.:

(a) PART-I indicating the General Conditions of this Contract;
(b) PART-II indicating the Schedule of work, unit, quantities & rates;
(c) PART-III indicating the Special Conditions of Contract;
(d) PART-V indicating the Safety Measures.

3. In consideration of the payments to be made by the Company to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Company to provide the Services and to remedy defects therein in conformity in all respect with the provisions of this Contract.

4. The Company hereby covenants to pay the Contractor in consideration of the provision of the Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of this Contract at the times and in the manner prescribed by this Contract.

IN WITNESS thereof, each party has executed this contract at Duliajan, Assam as of the date shown above.

Signed, Sealed and Delivered,

| | |
|---|---|
| For and on behalf of<br>Company (Oil India Limited) | for and on behalf of Contractor<br>(M/s. _____) |
| Name: | Name: |
| Status: | Status: |
| In presence of | In presence of |
| 1. | 1. |
| 2. | 2. |

**PROFORMA-IX**

**Format of undertaking by Bidders towards submission of authentic information/documents (To be typed on the letter head of the bidder)**

Ref. No_____ Date _____

**Sub: Undertaking of authenticity of information/documents submitted**
**Ref: Your Tender No. CDG7089P25**

**To,**
**The CGM-Contracts(HoD)**
**Contracts Department,**
**OIL, Duliajan**

**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 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 Authorized Signatory
Name :
Designation :
Phone No.
Place :
Date :
(Affix Seal of the Organization here, if applicable)

**PROFORMA-X**

**(TO BE EXECUTED BY THE AUTHORIZED SIGNATORY OF THE BIDDER ON THE OFFICIAL LETTER HEAD OF THE BIDDER)**

## CERTIFICATE OF COMPLIANCE TO FINANCIAL CRITERIA

**Ref : Note 'b' under Clause 3.0 Financial Criteria of BEC/BRC of Tender No. CDG7089P25**

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 _____ have actually not been audited as on the Original Bid Closing Date.**

Yours faithfully,

For (type name of the firm here)

Signature of Authorized Signatory
Name:
Designation:
Phone No.
Place:
Date:
(Affix Seal of the Organization here, if applicable)

Note: This certificate is to be issued only considering the time required for preparation of Financial Statements i.e. if the last date of preceding financial/accounting year falls within the preceding six months reckoned from the Original Bid Closing Date.

**PROFORMA-XI**

## COMMERCIAL CHECK LIST

**Bidder's Name:**_____

**TENDER NO. CDG7089P25**

This Questionnaire duly filled in should be returned along with each copy of Un-priced Bid. Clauses confirmed hereunder should not be repeated in the Bid.

| Sl. No. | Description | Bidder's Confirmation |
|---|---|---|
| 1. | Bidding structure | |
| 2. | Bidder's name and address: | |
| 3. | It is noted that deviations to Terms & Conditions shall lead to rejection of offer, as specified in the Tender. | |
| 4. | Ensure and confirm that prices quoted in 'Schedule of Rates', are for complete scope of work as defined in the tender | |
| 5. | Indicate SAC Code<br>Indicate rate of GST applicable. | SAC Code:<br>GST .....% |
| 6. | EMD Details: Whether Bid Security submitted | |
| 7. | Confirm to Submit PBG as per Tender requirement | |
| 8. | Confirm that the offer shall remain valid for acceptance up to 120 (One Hundred Twenty) days from Date of opening of bids. | |
| 9. | Whether Mobilization and Completion period of contract is complied? | |
| 10. | Whether Integrity Pact Submitted (if applicable)? | |
| 11. | Confirm that quoted prices shall remain firm and fixed until completion of the contract, except as otherwise mentioned in the bid document. | |

| | | |
|---|---|---|
| 12. | Confirm that you have submitted all documents as mentioned in the Tender/Annexures | |
| 13. | Confirm acceptance to all terms & conditions of the Tender. | |
| 14. | Confirm that all correspondence must be in English Language only. | |
| 15. | Indicate Name & Contact No. (Telephone/Fax/E-mail) of person signing the bid. | Name:<br>Contact No.:<br>Fax:<br>Email: |
| 16. | Confirm that all Bank charges associated with Bidder's Bank shall be borne by Bidder. | |
| 17. | Please indicate the following:<br>(i) PAN No.<br>(ii) GST Regn. No. | |

Bidder confirms that in case of conflicting version of various terms & conditions at different places, the confirmation furnished as above shall be considered over-riding and final and any other deviation indicated elsewhere shall be treated as redundant.

Signature _____

Name _____

Designation _____

Office Stamp _____

**PROFORMA-XII**

**UNDERTAKING TOWARDS SUBMISSION OF BANK GUARANTEE**

To,

Oil India Limited

Contracts Department

Duliajan, Assam - 786602

We, M/s..... are submitting the Performance Security in favour of Oil India Limited, Duliajan in the form of bank guarantee bearing Reference No. .....for an amount of INR..... valid up to ..... as per terms and conditions of Tender/Contract No. .....

**BG issuing bank details:-**

| | |
|---|---|
| Bank<br>Branch IFS Code | |
| **Contact Details**<br>E-mail Addresses | Mobile<br>Telephone<br>Fax |
| **Correspondence Address**<br>H No/Street/City | State<br>Country<br>Pin Code |

Declaration:

We have arranged to send the confirmation of issuance of the bank guarantee via SFMS portal through our bank using the details mentioned in the tender and hereby confirming the correctness of the details mentioned.

Authorized Signature: _____

Name: _____

Vendor Code: _____

Email ID: _____

Mobile No: _____

Encl: Original bank guarantee

**PROFORMA-XIII**

**PROFORMA FOR UNDERTAKING FROM THIRD PARTY INSPECTION AGENCY**
**(to be submitted on official letter head)**

**TO**
**M/s OIL INDIA LIMITED**
**P.O. DULIAJAN-786602**
**Assam, India**

Sir,

**SUB: OIL's IFB No. CDG7089P25**

M/s _____ having registered office at _____ intend to participate in the above referred tender of OIL INDIA LIMITED.

The tender conditions stipulates that the bidder shall submit documents pertaining to Bid Evaluation Criteria (BEC), duly verified and certified by designated independent Third Party Inspection Agency.

In this regard this is to certify that copies of documents pertaining to Bid Evaluation Criteria (BEC) submitted to us by the bidder have been verified and certified by us with originals and found to be genuine and authentic. We have signed and stamped on the copies of all the verified and certified documents having ____ nos. pages.

Note: In the event of any requirement, OIL reserves the right to ask the inspection agencies to verify the documents with source, if required at no extra cost to OIL.

Thanking you,

**Authorised Person's Signature:** _____

**Name:** _____

## CERTIFICATE OF ANNUAL TURNOVER & NET WORTH

TO BE ISSUED BY PRACTISING **CHARTERED ACCOUNTANTS' FIRM** ON THEIR LETTER HEAD

### TO WHOM IT MAY CONCERN

This is to certify that the following financial positions extracted from the audited financial statements of M/s ..... (Name of the Bidder) for the last 03 (Three) completed accounting years upto.....**(as the case may be)** are correct.

| **YEAR** | **TURN OVER** (In INR/USD) | **NET WORTH** (In INR/USD) |
|---|---|---|
| | | |
| | | |
| | | |

Place:
Date:

Seal:

Membership Number: Signature

Registration No.:

UDIN:

**ANNEXURE-I**

**FORMAT OF AGREEMENT BETWEEN BIDDER AND THEIR PARENT COMPANY/SUBSIDIARY COMPANY/SISTER-SUBSIDIARY/CO-SUBSIDIARY/ MEMBER OF SAME NETWORK OR MEMBER OF SAME GLOBAL FIRM *(As the case may be)***

(**TO BE EXECUTED ON STAMP PAPER OF REQUISITE VALUE AND NOTORISED**)

This agreement made this ___ day of ____ month ____ year by and between M/s _____ (Fill in the Bidder's full name, constitution and registered office address) hereinafter referred to as bidder on the first part and M/s. _____ (Fill in full name, constitution and registered office address of Parent Company/Subsidiary Company) hereinafter referred to as "Parent Company/Subsidiary Company/Sister-Subsidiary/Co-Subsidiary/Member of same network or Member of same global firm (Delete whichever not applicable)" of the other part:

WHEREAS

M/s. Oil India Limited (hereinafter referred to as OIL) has invited offers vide their tender No. _____ for _____ and M/s _____(Bidder) intends to bid against the said tender and desires to have technical support of M/s_____[Parent Company/Subsidiary Company -(Delete whichever not applicable)] and whereas Parent Company/Subsidiary Company (Delete whichever not applicable) represents that they have gone through and understood the requirements of subject tender and are capable and committed to provide the services as required by the bidder for successful execution of the contract, if awarded to the bidder.
Now, it is hereby agreed to by and between the parties as follows:

1. M/s._____(Bidder) will submit an offer to OIL for the full scope of work as envisaged in the tender document as a main bidder and liaise with OIL directly for any clarifications etc. in this context.

2. M/s. _____ (Parent Company/Subsidiary Company (Delete whichever not applicable) undertakes to provide technical support and expertise, expert manpower and procurement assistance and project management to support the bidder to discharge its obligations as per the Scope of work of the tender/ Contract for which offer has been made by the Parent Company/Subsidiary Company (Delete whichever not applicable) and accepted by the bidder.

3. This agreement will remain valid till validity of bidder's offer to OIL including extension if any and till satisfactory performance of the contract in the event the contract is awarded by OIL to the bidder.

4. It is further agreed that for the performance of work during contract period bidder and Parent Company/Subsidiary Company (Delete whichever not applicable) shall be jointly and severely responsible to OIL for satisfactory execution of the contract.

5. However, the bidder shall have the overall responsibility of satisfactory execution of the contract awarded by OIL.

In witness whereof the parties hereto have executed this agreement on the date mentioned above.

| | |
|---|---|
| For and on behalf of<br>(Bidder) | For and on behalf of<br>(Parent Company/Subsidiary Company (Delete whichever not applicable) |
| M/s.<br>Witness:<br>1)<br>2) | M/s.<br>Witness:<br>1)<br>2) |

**ANNEXURE-II**

**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/***wholly owned Subsidiary Company (Delete whichever not applicable***) unconditionally agrees that in case of nonperformance by the Company of any of its obligations in any respect, the Guarantor shall, immediately on receipt of notice of demand by OIL, take up the job without any demur or objection, in continuation and without loss of time and without any cost to OIL and duly perform the obligations of the Company to the satisfaction of OIL.

2. The Guarantor agrees that the Guarantee herein contained shall remain valid and enforceable till the satisfactory execution and completion of the work (including discharge of the warranty obligations) awarded to the Company.

3. The Guarantor shall be jointly with the Company as also severally responsible for satisfactory performance of the contract entered between the Company and OIL.

4. The liability of the Guarantor, under the Guarantee, is limited to the 50% of the annualized contract price entered between the Company and OIL. This will, however, be in addition to the forfeiture of the Performance Guarantee furnished by the Company.

5. The Guarantor represents that this Guarantee has been issued after due observance of the appropriate laws in force in India. The Guarantor hereby undertakes that the Guarantor shall obtain and maintain in full force and effect all the governmental and other approvals and consents that are necessary and do all other acts and things necessary or desirable in connection therewith or for the due performance of the Guarantor's obligations hereunder.

6. The Guarantor also agrees that this Guarantee shall be governed and construed in accordance with the laws in force in India and subject to the exclusive jurisdiction of the courts of ....., India.

7. The Guarantor hereby declares and represents that this Guarantee has been given without any undue influence or coercion, and that the Guarantor has fully understood the implications of the same.

8. The Guarantor represents and confirms that the Guarantor has the legal capacity, power and authority to issue this Guarantee and that giving of this Guarantee and the performance and observations of the obligations hereunder do not contravene any existing laws.

For & on behalf of (Parent Company/Subsidiary Company (Delete whichever not applicable))

M/s _____

Witness: Signature_____

1. Signature _____ Name

Full Name _____ Designation_____

Address _____ Common seal of the Company_____

Witness:

2. Signature _____

Full Name _____

Address _____

**ANNEXURE - III**

**FORMAT OF AGREEMENT BETWEEN BIDDER, THEIR SISTER SUBSIDIARY/CO-SUBSIDIARY COMPANY AND THE ULTIMATE PARENT/HOLDING COMPANY OF BOTH THE BIDDER AND THE SISTER SUBSIDIARY/CO-SUBSIDIARY** (Strike out whichever is not applicable between Ultimate Parent and Holding Company. Similarly strike out whichever is not applicable between Sister Subsidiary and Co-subsidiary Company)

(IN CASE OF INDIAN BIDDER TO BE EXECUTED ON STAMP PAPER OF REQUISITE VALUE AND NOTORISED)

This agreement made this ___ day of ____ month ____ year by and between M/s. _____ (Fill in Bidder's full name, constitution and registered office address) _____ hereinafter referred to as "Bidder" of the first part and M/s. _____ (Fill in full name, constitution and registered office address of Sister Subsidiary/Co-subsidiary Company of the Bidder) herein after referred to as "Sister Subsidiary/ Co-subsidiary" of the second part and M/s_____(Fill in the full name, constitution and registered office address of the Ultimate Parent/Holding Company's of both the subsidiaries) hereinafter referred to as "Ultimate Parent/ Holding Company" of the third part.

WHEREAS

M/s. Oil India Limited (hereinafter referred to as OIL) has invited offers vide their tender No. _____ for _____ and M/s. _____(Bidder) intends to bid against the said tender and desires to have a technical support of M/s. _____(Sister Subsidiary/Co-subsidiary Company) and Sister Subsidiary/Co-subsidiary Company represents that they have gone through and understood the requirements of subject tender and are capable and committed to provide the services as required by the bidder for successful execution of the contract, if awarded to the bidder.

Now, it is hereby agreed to by and between all the three parties as follows:

1. M/s._____(Bidder) will submit an offer to OIL for the full scope of work as envisaged in the tender document.

2. M/s. _____(Sister Subsidiary/Co-subsidiary Company) undertakes to provide technical support and expertise and expert manpower, material, if any, to support the bidder to discharge its obligations as per the Scope of work of the tender / Contract for which offer has been made by the bidder.

3. This agreement will remain valid till validity of bidder's offer to OIL including extension if any and also till satisfactory performance of the contract in the event the bid is accepted and contract is awarded by OIL to the bidder.

4. Sister Subsidiary/ Co-subsidiary Company unconditionally agrees that in case of award of contract to the Bidder, if the Bidder is unable to execute the contract, they shall, immediately on receipt of notice by OIL, take up the job without any demur or objection, in continuation without loss of time and without any extra

cost to OIL and duly perform the obligations of the Bidder/Contractor to the satisfaction of OIL.

5. The Ultimate Parent/Holding Company also confirms and undertakes that the commitment made by the Sister Subsidiary/ Co-subsidiary company in providing the technical support and technical expertise and expert manpower to support the bidder for execution of the contract are honoured.
6. The Ultimate Parent/Holding Company also takes full responsibility in getting the contract executed through the Sister subsidiary/ Co-subsidiary company in case the Bidder/Contractor is unable to execute the contract.

7. In witness whereof the parties hereto have executed this agreement on the date mentioned above.

| | | |
|---|---|---|
| For and on behalf of (Bidder) | For and on behalf of (Sister Subsidiary/ Co-subsidiary) | For and on behalf of (Ultimate Parent / Holding Company) |
| M/s. | M/s. | M/s. |
| Witness | Witness | Witness |
| 1) | 1) | 1) |
| 2) | 2) | 2) |

**Note:** In case of contracts involving - (a) manufacture/supply (b) installation and commissioning (c) servicing and maintenance of any equipment, as the bidding company can draw on the experience of their multiple subsidiary sister/Co-subsidiary company (ies) specializing in each sphere of activity, i.e. (a) manufacture/supply (b) installation and commissioning (c) servicing and maintenance, therefore, in that case, the above format shall be signed by all the sister/Co-subsidiary company(ies) and necessary modifications may be made in the above format to include all sister subsidiaries.

**ANNEXURE-IV**

## DECLARATION FORMAT

(as per Notes to BEC Clause No. 2.1 II)

[On company's Letter Head]

To,

M/s OIL INDIA LIMITED,
CONTRACTS DEPARTMENT,
DULIAJAN, ASSAM, INDIA, PIN-786602

Dear Sir,

This has reference to your Tender No. ..... Dated ..... 20___ on the subject .....

We.....(Name of the Company) confirm that we will engage/deploy the services including the key personnel of the Parent/Subsidiary/Sister Subsidiary/ Co-Subsidiary/Consortium Partner experience (strike out whichever is not applicable) on whose strength we are meeting the tender's Technical requirement as per the tender qualifying criteria.

Signature

(Name & Designation of Authorized person)

**PROFORMA-XIX**

**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 INR .....(or equivalent USD .....) 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.
   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.

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| For and on behalf of<br>(Bidder) | For and on behalf of<br>(Parent/Ultimate Parent / Holding Company<br>(Delete whichever not applicable) |
| Witness: | Witness: |
| 1. | 1. |
| 2. | 2. |

**PROFORMA–K**

**FORM OF PERFORMANCE BANK GUARANTEE BY SUPPORTING COMPANY**

**To**
**M/s OIL INDIA LIMITED (OIL)**
**CONTRACTS DEPARTMENT**
**DULIAJAN, ASSAM, INDIA, PIN-786602**

WHEREAS _____ (Name and address of Contractor) (hereinafter called "Contractor", which expression shall, unless repugnant to the context or meaning thereof include all its successors, administrators, executors and assignees) had undertaken, in pursuance of Contract No. _____ to execute ---------- (Brief Description of the Work)(hereinafter called "the Contract").

Further, M/s _____ (Name of the ultimate parent) having its registered/head office at _____ is the "**Ultimate Parent**" of "**Supporting Company**" M/s.....(Name of the supporting company with address)/M/s.....(Name of the Contractor with address, in case experience is taken from the ultimate parent) (hereinafter referred to as the 'SUPPORTING COMPANY'/ "ULTIMATE PARENT", which expression shall, unless repugnant to the context or meaning thereof include all its successors, administrators, executors and assignees). Based on the experience/technical strength of the **"Supporting Company"/ "Ultimate Parent"** (whichever is applicable), the CONTRACTOR has qualified for award of contract and has agreed to provide complete technical and other support to the CONTRACTOR for successful completion of the contract as mentioned above, entered between OIL and the CONTRACTOR and OIL having agreed that the **"ULTIMATE PARENT/SUPPORTING COMPANY"**, shall furnish to OIL a performance guarantee for Indian Rupees/US$ ..... towards providing complete technical and other support to the CONTRACTOR for successful completion of the contract as mentioned above,

AND WHEREAS we have agreed to give the **"ULTIMATE PARENT/SUPPORTING COMPANY"**, such a Bank Guarantee; NOW THEREFORE we hereby affirm that we are Guarantors on behalf of the **"ULTIMATE PARENT/SUPPORTING COMPANY"**, up to a total of (Amount of Guarantee in figures) _____ (in words _____), such amount being payable in the types and proportions of currencies in which the Contract price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of guarantee sum as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein. We hereby waive the necessity of your demanding the said debt from the Contractor / **ULTIMATE PARENT/SUPPORTING COMPANY** before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or the work to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way cease us from any liability under this guarantee, and we hereby waive notice of such change, addition or modification.

This guarantee is valid until the _____day of _____.

The details of the Issuing Bank and Controlling Bank are as under:

A. Issuing Bank:

BANK FAX NO:

BANK EMAIL ID:

BANK TELEPHONE NO:

IFSC CODE OF THE BANK:

B. Controlling Office:

Address of the Controlling Office of the BG issuing Bank:
Name of the Contact Person at the Controlling Office with Mobile No. and e-mail address:

SIGNATURE AND SEAL OF THE GUARANTORS _____

Designation _____

Name of Bank _____

Address _____

Witness _____

Address _____

_____

Date: _____

Place: _____

**Note:**

The Bank Guarantee issuing bank branch shall ensure the following:

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

(i) MT 760 / MT 760 COV for issuance of Bank Guarantee
(ii) MT 760 / MT 767 COV for amendment of Bank Guarantee

The above message / intimation shall be sent through SFMS (indicating the Contract Number) by the BG issuing bank branch to ICICI BANK LTD., Duliajan Branch; IFS Code – ICIC0000213; SWIFT Code – ICICINBBXXX; Branch Address: Kunja Bhavan, Daily Bazaar, Duliajan, Dibrugarh, Assam – 786602.

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

**EXHIBIT–I**

**UNDERTAKING FOR WORKS INVOLVING POSSIBILITY OF SUB-CONTRACTING**

(REF. CLAUSE NO. 17.0 OF FORWARDING LETTER)

We, M/s _____ , have read the clause regarding restrictions on procurement from a country which shares a land border with India and on sub-contracting to contractors from such-countries, we certify that we are not from such a country/or if from such a country, has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. We hereby certify that we fulfil all requirements in this regard and is eligible to be considered.

Yours faithfully,
For (type name of the firm here)

Signature of Authorized Signatory
Name:
Designation:
Phone No.
Place:
Date:
(Affix Seal of the Organization here, if applicable)

**EXHIBIT–II**

**UNDERTAKING TOWARDS COMPLIANCE OF CLAUSE NO. 17.0 OF THE FORWARDING LETTER**

We, M/s _____ , have read the clause regarding restrictions on procurement from a country which shares a land border with India, we certify that we are not from such a country/or if from such a country, has been registered with the Competent Authority. We hereby certify that we fulfil all requirements in this regard and is eligible to be considered.

Yours faithfully,

For (type name of the firm here)

Signature of Authorised Signatory

Name:

Designation:

Phone No.

Place:

Date:

(Affix Seal of the Organization here, if applicable)

**EXHIBIT–III**

**ADDITIONAL UNDERTAKING BY BIDDER IN CASES OF SPECIFIED TRANSFER OF TECHNOLOGY (ToT)**

(REF. CLAUSE NO. 17.1 OF THE FORWARDING LETTER)

We, M/s _____, have read the clause regarding restrictions on procurement from a bidder having Transfer of Technology (ToT) arrangement. We certify that we do not have any ToT arrangement requiring registration with competent authority.

OR

We, M/s _____, have read the clause regarding restrictions on procurement from a bidder having Transfer of Technology (ToT) arrangement. We certify that we have valid registration to participate in this procurement.

Yours faithfully,

For (type name of the firm here)

Signature of Authorised Signatory

Name:

Designation:

Phone No.

Place:

Date:

(Affix Seal of the Organization here, if applicable)

**APPENDIX-1**

## DECLARATION ABOUT BIDDER'S FINANCIAL STANDING

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

**Sub**: Undertaking/Declaration regarding financial standing

**Ref**: Tender No CDG7089P25

We, _____ (name of bidder), hereby confirm that:

(1) We are neither bankrupt nor undergoing any insolvency resolution process or liquidation or bankruptcy proceeding under any law.

**(OR)**

(2) No insolvency resolution process or liquidation or bankruptcy proceeding is initiated under any law against us.

Place: _____

Date: _____

_____
(Name & Signature of the authorised signatory of the bidder)

**APPENDIX-2**

**DECLARATION THAT BIDDER IS NOT UNDER HOLIDAY LIST/DELISTED/BLACKLISTED/DEBARRED IN OIL**

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

**Sub**: Undertaking/Declaration regarding Holiday List, debarment etc.

**Ref**: Tender No. CDG7089P25

We, _____ (Name of the bidder) hereby declare that neither our company nor any of its allied concerns, partners or associates or directors or proprietors involved in any capacity, are currently put on holiday list/banning list by OIL debarring us/them from carrying on business dealings with OIL.

Place: _____

Date: _____

_____

(Name & Signature of the authorised signatory of the bidder)

**PROFORMA-XY**

**Format for undertaking by Foreign Bidders towards taking payment against Expenses in India (To be typed on the letter head of the bidder)**

Ref. No_____ Date _____

**Sub: Undertaking for taking payment against Expenses in India**

**To**

**The CGM-Contracts (HoD)**
**Contracts Department,**
**OIL, Duliajan**

**Sir,**

With reference to our quotation against your above-referred tender, we hereby confirm that we have gone through the Tender document in toto and quoted **Expenses to be incurred in India** in percentage (%) against each line item (wherever applicable) of the Price Bid Format (Proforma-B). We have quoted after proper due diligence and take full responsibility for the same. We agree to the condition that during payment (if successful), the "Expenses in India" component of the price shall be converted to INR (if quoted price is other than INR) considering the conversion rate as per Clause **21.0 of ITB**. If any Expense incur in India over and above the aforesaid percentage (%), then we will inform Oil India Limited in due course of time and same will also be considered while calculating "Expenses in India" component.

Yours faithfully,

For (type name of the firm here)

Signature of Authorized Signatory

Name :

Designation :
Phone No.
Place :
Date :

(Affix Seal of the Organization here, if applicable)

| TECHNICAL EVALUATION SHEET FOR BEC | | | | | |
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| **Sl. No.** | **Clause No. of BEC/BRC** | **Description** | **Compliance** | | **Bidder to indicate Relevant Page No. of their Bid to support the remarks/ compliance** |
| | | | **Yes** | **No** | |
| 1 | **1.0** | **GENERAL CONFORMITY:** The bid shall conform generally to the specifications and terms & conditions given in this bid document. Bids shall be rejected in case the services offered do not conform to the required parameters stipulated in the technical specifications. Notwithstanding the general conformity of the bids to the stipulated specifications, the following requirements will have to be particularly met by the bidders, without which the same will be considered as non-responsive and rejected. | | | |
| 3 | **2.0** | **TECHNICAL EVALUATION CRITERIA:**<br><br>**2.1 EXPERIENCE:**<br><br>i) Bidder should have experience of successfully completing at least 01 (One) Contract for a minimum period of 01(One) year duration using RSS with MWD and LWD in any E&P company (company involved in exploration & production of Oil & Gas) in the last 07 (Seven) years reckoned from the original bid closing date.<br><br>ii) The bidder should have also successfully completed minimum 6 (Six) directional wells using RSS – MWD/LWD tools in combination in any E&P company (company involved in exploration & | | | |

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| | | production of Oil & Gas) in the last 07 (Seven) years reckoned from the original bid closing date. Each well should have a minimum drift displacement of 2000 m.<br><br>iii) The bidder should have experience of providing Mud engineering services to any E&P company (companies involved in the exploration and production of crude oil and natural gas) for minimum 02 (Two) years under a single contract and additionally should have completed minimum Mud engineering service in 03 (Three) wells of minimum depth of 3000 m in the last 07 (Seven) years reckoned from the original bid closing date. In case any bidder does not have the experience of Mud engineering services on their own, they can quote based on the experience of a partner with tie up who at its own meets the experience of Mud Engineering Service, and not through any other arrangement like technical collaboration, consortium, subsidiaries, etc.<br><br>iv) The bidder should be manufacturer of bit or Supplier of Bit manufactured by its own/parent/ultimate parent/co-subsidiary/sister subsidiary (directly or via intermediate company under same parent/ultimate parent company) having experience as a supplier of PDC Bits/Rock Bits and completed at least one contract/order in the last 07 years reckoned from the original bid closing date. | | | |
| 4 | **Notes to BEC Clause 2.1** | **I.** Bids of those bidders who themselves do not meet the experience criteria as stipulated in Clause No. 2.1 of the tender, can also quote under the categories listed below: | | | |

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| | | **a.** **<u>ELIGIBILITY CRITERIA IN CASE BIDS ARE SUBMITTED ON THE BASIS OF TECHNICAL EXPERIENCE OF THE PARENT/SUBSIDIARY COMPANY:</u>**<br><br>Offers of those bidders who themselves do not meet the experience criteria as stipulated in clause no. 2.1 above can also be considered provided the bidder is a subsidiary company of the parent company [supporting company, which holds more than fifty percent of the paid-up equity share capital of the bidder] who fulfils the experience criteria. Similarly, bid from parent company can also be considered on the strength of requisite experience of its subsidiary [supporting company, in which the bidder holds more than fifty percent of the paid-up equity share capital]. However, the parent/subsidiary company (as the case may be) of the bidder should on its own meet the experience as stipulated in the BEC and should not rely for meeting the experience criteria on its sister subsidiary/co-subsidiary company or through any other arrangement like Technical Collaboration agreement.<br><br>In case of bidder who is a subsidiary company dependent upon the experience of the parent company or vice-versa with a view to ensure commitment and involvement of the parent/subsidiary company (Supporting Company) for successful execution of the contract, the participating bidder should enclose a Parent/Subsidiary Agreement (as per format enclosed as **Annexure-I**) and also a parent/subsidiary Guarantee (as per format enclosed as **Annexure-II**) to OIL for fulfilling the obligation under the Agreement, along with the technical bid.<br><br>**b.** **<u>ELIGIBILITY CRITERIA IN CASE BID IS SUBMITTED ON THE BASIS OF TECHNICAL EXPERIENCE OF SISTER-SUBSIDIARY/CO-SUBSIDIARY COMPANY:</u>** | | | |

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| | | Offers of those bidders who themselves do not meet the experience criteria as stipulated in Clause No. 2.1 can also be considered based on the experience of their sister-subsidiary/co-subsidiary company (supporting company) within the ultimate parent/holding company subject to meeting the following conditions:<br><br>i) Provided that the sister-subsidiary/co-subsidiary company and the bidding company are both wholly owned subsidiaries of an ultimate parent/holding company either directly or through intermediate wholly owned subsidiaries of the ultimate parent/holding company or through any other wholly owned subsidiary company within the same ultimate/holding parent company<br><br>ii) Provided that the sister subsidiary/co-subsidiary company on its own meets the experience criteria stipulated in the BEC and not through any other arrangement like Technical Collaboration agreement.<br><br>iii) Provided that with a view to ensure commitment and involvement of the ultimate parent/holding company for successful execution of the contract, the participating bidder must submit an agreement, as per format furnished vide **Annexure-III**, between them, their ultimate parent/holding company, along with the technical bid.<br><br><u>Note:</u> In case of a/b above, the supporting company shall not be allowed to submit their separate/independent bid against this tender. In such case, all such bids shall be rejected. Also, bids having technical support from the same entity shall be rejected. Further, bidders shall submit following: | | | |

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| | | i. Undertaking by the supporting company to provide a Performance Security (as per format and instructions enclosed at PROFORMA–K), equivalent to 50% of the value of the Performance Security which is to be submitted by the bidding company in case the bidding company is the successful bidder.<br><br>ii. In cases where the supporting company does not have Permanent Establishment in India, the bidding company can furnish Performance Security equivalent to 150% of the value of the Performance Security which is to be submitted by the bidding company. In such case bidding company shall furnish an undertaking that their subsidiary/parent/ sister company (i.e. the supporting company) is not having any Permanent Establishment in India in terms of Income Tax Act of India.<br><br>iii. A certificate from the statutory Auditor of the bidding company to establish the relationship and equity percentage holding between bidding company and the supporting company. The certificate should be duly concurred/endorsed by the Company Secretary or one of the Directors of the company concerned.<br><br>The above certificate should not be more than 30 days old as on the original bid closing date.<br><br>iv. Undertaking from the supporting company to the effect that in addition to invoking the performance security submitted by the contractor, the performance security provided by supporting company shall be invoked by OIL due to non-performance of the contractor. | | | |

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| | | **c.** **<u>BID FROM CONSORTIUM OF COMPANIES</u>:** Bid from Consortium of Companies shall be considered complying the following requirement by the consortium:<br><br>I. Any member of the consortium shall satisfy the minimum experience requirement as per Clause No. 2.1 above.<br><br>II. Consortium bids shall be submitted with a Memorandum of Understanding (MoU) among the consortium members duly executed by the Authorized Executives of the consortium members and notarized. This MoU must accompany the bid which should clearly define 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:<br><br>(i) Only the leader of the consortium shall 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.<br><br>(ii) The Bid Security and Performance Security shall be in the name of the leader on behalf of the consortium. | | | |

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| | | (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.<br><br>(iv) Any correspondence exchanged with the leader of consortium shall be binding on all the consortium/joint venture members.<br><br>(v) Payment shall be made by OIL only to the leader of the consortium towards fulfilment of contract obligations. OIL may consider direct payment to individual consortium members within the same vertical, provided the consortium, so formed is complied with the terms of the Circular No. 07/2016 dated 07th March, 2016 issued by the Central Board of Direct Taxes (CBDT). Besides, for direct payment required for their part of scope of works, the same should be clearly indicated in the bid as well as MoU along with member-wise details of price break-up.<br><br>(vi) In case of consortium bids, the bid shall be signed by the leader of consortium. The power of attorney from each member authorizing the leader for signing and submission of Bid on behalf of individual member must accompany the bid offer.<br><br>(vii) Documents/details submitted with the bidding document pertaining to qualification must be furnished by each partner/member of consortium and should be complete in all respects clearly bringing up their experience especially in the form of work in their scope.<br><br>(viii) <u>Constitution of Consortium</u>: The members of the consortium should not be more than 03 (Three). If during evaluation of bid, a | | | |

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| | | consortium leader proposes any alterations/changes in the constitution or replacement or inclusion or expulsion of any partner(s)/member(s) of the consortium which had originally submitted the bid, the bid of such a consortium shall be liable for rejection.<br><br>ix) 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 severely.<br><br>x) Members of the consortium are not allowed to quote separately/independently against this tender. All the bids received in such case shall be summarily rejected. Further, all bids from parties with technical support from the same Principal shall be rejected.<br><br>xi) Certified copies (attested by Director/Company Secretary) of Board resolutions passed by respective Board of Directors of the companies (Consortium leader and members) agreeing to entering into such consortium with each other for submission of bid for the NIT and authorizing designated executives of each company to sign in the MOU to be provided along with the technical bid.<br><br>xii) The MOU/Agreement should be legally valid i.e. it should be on a non-judicial stamp paper and notarized. In case of involvement of overseas bidder/consortium partner, the MOU/Agreement need not be on a non-judicial stamp paper, however it should be notarized.<br><br>**II.** Bidders quoting under the categories as mentioned under Clause nos. I. above should provide the respective services including key personnel for a minimum duration of 50% of the contract period | | | |

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| | | during execution of the contract. A declaration as per ANNEXURE-IV in this respect to be submitted as part of technical bid. | | | |
| | | **III.** For proof of requisite Experience (refer Clause No. 2.1); the following documents must be submitted along with the un-priced Techno-commercial bid: | | | |
| | | vi. Towards compliance to Clause No. 2.1 (i) above: Documentary evidence(s) in the form of relevant pages of the contract(s) executed showing detailed address(es) of client(s), scope of work along with completion certificate(s)/payment certificate(s) or any other document(s) issued/certified by the client(s) which substantiate completion of at least 01(One) Contract for a minimum period of 01 (One) year for drilling Directional Wells using RSS along with MWD/LWD towards compliance Clause No. 2.1 (i) above. The same should also be submitted as per **Annexure-A**. | | | |
| | | vii. Towards compliance to Clause No. 2.1 (ii) above: Documentary evidence(s) in the form of relevant pages of the contract(s) executed showing detailed address(es) of client(s), scope of work and work order(s)/end of well report(s)/well completion report(s)/directional survey reports/ completion certificate(s) or any other document(s) issued/certified by the client(s) in support of the successful completion of the 06 (Six) nos. of High-Displacement Directional Wells of minimum drift displacement of 2000 m. The same should also be submitted as per **Annexure-B**. | | | |
| | | viii. Towards compliance to Clause No. 2.1 (iii) above: Documentary evidence(s) in the form of relevant pages of the contract(s) executed showing detailed address(es) of client(s), scope of work along with completion certificate(s)/payment certificate(s) or any other document(s) issued/certified by the client(s) which substantiate the | | | |

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| | | completing of at least 01(One) Contract of Mud Engineering Service for a minimum duration of 02 (Two) years. For 03(Three) wells of minimum depth of 3000 m, bidder must submit the DMR of the particular wells.<br>Bidder can also provide self-certified documents duly signed by the authorized signatory of the bid/CEO of the firm confirming execution of required number of High Displacement directional wells with drift displacement of minimum 2000 meters, clearly indicating Contract no., well name and operator's details. However, for Mud engineering Service, the declaration has to be signed by the authorized signatories of the bid/CEO of both the partners of the bid confirming execution of Mud service in 03(Three) wells of minimum 3000m or more.<br><br>ix. <u>Towards compliance to Clause No. 2.1 (iv) above:</u> Documentary evidence(s) in the form of Relevant pages of the contract(s)/ work order(s)/ Purchase Orders/Service Orders/LOA executed showing address(es) of client(s), scope of work in support of Supply of Drill Bits and Completion Service along with completion certificate(s)/payment certificate(s) or any other document(s) issued/certified by the client(s) which can substantiate the experience requirements.<br><br>In case of supply of bits, if the bidder is not a manufacturer on its own, the bidder must submit a back-up authority letter from the manufacturer (parent/subsidiary/co-subsidiary/sister subsidiary) to ensure support from manufacturer throughout the contract.<br><br>**<u>NOTE</u>:** 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 | | | |

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| | | 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.<br><br>**IV.** In case requisite experience is against **OIL's Contract**, the bidder need not submit requisite documentary evidence but must categorically specify OIL's Contract Number and date against which they have executed the work.<br><br>**V.** Only Letter of Intent (LOI)/Letter of Award (LOA) or Work Order(s) or Job Completion Certificate are not acceptable as evidence of experience.<br><br>**VI.** Mere award of contract(s) will not be counted towards experience. Successful completion of the awarded contract(s) to the extent of volume/period, as stipulated under Clause Nos. 2.1 will only be treated as acceptable experience.<br><br>**VII.** 'Work' executed by a bidder or its tie-up partner or its supporting company for its own organization/subsidiary/ parent/co-subsidiary/sister subsidiary/ Joint Venture cannot be considered as experience for the purpose of meeting BEC.<br><br>**VIII.** Bid will be rejected if not accompanied with adequate documentary proof in support of Work experience as mentioned in Para 2.1. | | | |
| 5 | **2.2** | The Bidder shall confirm to provide the following:<br><br>A. Two identical package each having all the following services: | | | |

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| | | 1. One set of SDMM + Rotary Steerable Systems +MWD with Directional and Gamma Ray + Jar for 17½" section along with MWD surface Unit.<br><br>2. One set of SDMM + Rotary Steerable Systems + MWD with Directional and Gamma Ray + Jar, Annulus Pressure & Temperature while drilling and Resistivity (Induction Type) tool along with MWD/LWD surface Unit for 12¼" hole section.<br><br>3. One set of SDMM + Rotary Steerable Systems + MWD with Directional and Gamma Ray + Jar/Intensifier, Annulus Pressure & Temperature while drilling, Resistivity (Induction Type) tool, Neutron-Azimuthal Density with imaging & calliper tool along with MWD/LWD surface Unit for 8½" hole section.<br><br>4. Mud Engineering Service along with centrifuge on call out basis.<br><br>B. One set (common for two identical package) comprising of SDMM + Rotary Steerable Systems + MWD with Directional and Gamma Ray + Jar/Intensifier, Annulus Pressure & Temperature while drilling, Resistivity (Induction Type) tool, Neutron-Azimuthal Density with imaging & calliper tool along with MWD/LWD surface Unit for 6" hole section. One set (common for two identical package) of FPWD for 6" hole section will be on call out basis.<br><br>C. Supply of bits as per the scope of work. | | | |
| 6 | **2.3** | In case the bidder does not have all the services of their own, they can have pretender tie-up only for the Mud Engineering Service & Jar. However, the bidder has to have the Directional Drilling services on their own. | | | |

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| | | In case of pre-tender tie-up, the bidder should execute a legally enforceable MOU/ Agreement with the tie-up partner which should be valid for entire duration of the contract including extension, if any. Copies of the pre - tender tie-up, MOU/Agreement for each third-party service mentioned, should be furnished along with the Technical Bid clearly referring to OIL's tender number & indicating the scope of work for technical partner of the bidder. Notwithstanding the MOU, bidder shall clearly undertake the single point responsibility of completing the project as offered by the bidder. | | | |
| 7 | **2.4** | Bidder must confirm mobilization as per Clause No. 2.0 of SCC of the tender. | | | |
| **3.0** | **FINANCIAL EVALUATION CRITERIA:** | | | | |
| 8 | **3.1** | Annual Financial Turnover from operation of the bidder during any of preceding 03 (Three) financial/accounting years reckoned from the original bid closing date should be at least Rs. 58.87 Crore or USD 7.02 million. | | | |
| 9 | **3.2** | Net worth of the bidder must be Positive for the preceding financial/accounting year. | | | |
| | **3.3** | In case of bid from Consortium of Companies as per 'Notes to Clause 2.1 I. c.', any one of the consortium members shall have an annual financial turnover from operation of minimum **Rs. 58.87 Crore or USD 7.02 million** and other members of the consortium shall have an annual financial turnover from operation of minimum **Rs. 29.435 Crore or USD 3.51 million**, during any of the preceding 03 (Three) financial/accounting years reckoned from the original bid closing date. Net worth of all the members must be Positive for the financial/accounting year preceding the original bid closing date.<br><br>All the consortium members shall meet the financial criteria as indicated above on their own and shall not rely on the strength of their | | | |

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| | | parent/ultimate parent/holding company to meet the financial criteria. Otherwise their bid shall be categorically rejected. | | | |
| 10 | **3.3** | In case the bidder is a subsidiary 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 documents need to be submitted along with the technical bid in support of the following:<br><br>**(i)** Annual Turnover from operation of last three accounting years of the parent/ultimate parent/holding company (supporting company) shall be as per Clause 3.1 above.<br><br>**(ii)** Net worth of the parent/ultimate parent/holding company (supporting company) shall be positive for the accounting year preceding the original bid closing date as per Clause 3.2 above.<br><br>**(iii) Corporate Guarantee (PROFORMA-XIX)** on parent/ultimate parent/holding company's (supporting company) letter head signed by an authorized official undertaking that they would financially support their subsidiary company for executing the project/job in case the same is awarded to them, and<br><br>**(iv)** A certificate from the statutory Auditor of the bidding company to establish the relationship and equity percentage holding between bidding company and the supporting company. The certificate should be duly concurred/endorsed by the Company Secretary or one of the Directors of the company concerned.<br><br>The above certificate should not be more than 30 days old as on the original bid closing date. | | | |

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| 11 | **Note** | i. Annual Financial Turnover of the bidder from operations shall mean: “Aggregate value of the realization of amount made from the sale, supply or distribution of goods or on account of services rendered, or both, by the company (bidder) during a financial year” as per the Companies Act, 2013 Section 2 (91).<br><br>ii. Net worth shall mean: "Share capital + Reserves created out of profits and securities Premium – Aggregate value of accumulated losses (excluding revaluation reserves) – deferred expenditure – Miscellaneous Expenditure to the extent not written off and carried forward Loss - Reserves created out of write back of depreciation and amalgamation" | | | |
| 12 | **Notes to BEC Clause 3.0** | **d.** For proof of Annual Turnover from operation & Net worth, any one of the following documents/photocopies must be submitted along with the bid:<br><br>(iii) Audited Balance Sheet along with Profit & Loss account.<br>OR<br>(iv) A certificate issued by a practicing Chartered/Cost Accountant (with Membership Number and Firm Registration Number), as per format prescribed in **Proforma-XIV**.<br><br>Note :<br><br>i. Mention of UDIN (Unique Document Identification Number) is mandatory for all Certificates issued w.e.f. February 1, 2019 by Chartered Accountant in Practice.<br><br>ii. In case the Audited Balance sheet and Profit Loss Account submitted along with the bid are in currencies other than INR/USD, the bidder shall have to convert the figures in equivalent INR/USD 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 | | | |

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| | | in equivalent INR/USD. 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.<br><br>**e.** Considering the time required for preparation of Financial Statements, if the last date of preceding financial/accounting year falls within the preceding six months reckoned from the original bid closing date/within the due date for furnishing of audit report as per Section 139(1) of IT Act, 1961 (read along with latest circulars/notifications issued by CBDT from time to time) and the Financial Statements of the preceding financial/accounting year are not available with the bidder, then the financial turnover of the previous three financial /accounting years excluding the preceding financial/accounting year will be considered. In such cases, the Net worth of the previous financial/accounting year excluding the preceding financial/accounting year will be considered. However, the bidder has to submit an undertaking in support of the same along with their technical bid as per **Proforma-X**.<br><br>**f.** 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.<br><br>**d.** In case the bidder is a Government Department, they are exempted from submission of document mentioned under para **a.** and **b.** above. | | | |

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| | | **e.** Bid will be rejected if not accompanied with adequate documentary proof in support of Annual turnover and Net worth as mentioned above in Para 3.1 & 3.2. | | | |
| **4.0** | **COMMERCIAL EVALUATION CRITERIA:** | | | | |
| 13 | **4.0** | **4.1** The bids are to be submitted under single stage Two Bid System i.e. Un-priced Techno-Commercial Bid and Price Bid separately in their respective fields in E-portal. The unpriced Techno-commercial Bid is to be uploaded in "Technical RFx Response" Tab and Priced Bid is to be uploaded in the "Notes & Attachments" Tab. Only the Priced Bid uploaded in the "Notes & Attachments" Tab should contain the quoted price. Bids shall be rejected outright if the price(s) is/are indicated in the technical bids. Bids not conforming to this two bid system shall be rejected outright.<br><br>**4.2** The price quoted by the successful bidder must remain firm during the performance of the contract and not subject to variation on any account except as mentioned in the bid document. Any bid submitted with adjustable price quotation other than the above will be treated as non-responsive and rejected.<br><br>**4.3** Bid security shall be furnished as a part of the Techno Commercial Un-priced Bid. The amount and validity of bid security should be as specified in the Forwarding Letter. Any bid not accompanied by a proper bid security will be rejected.<br><br>**4.4** Bid Documents/User Id & Password for OIL's E-Tender portal are not transferable. Bid can only be submitted in the name of the bidder in whose name the User ID and Password have been issued. Unsolicited bids will not be considered and will be straightway rejected. | | | |

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| | | **4.5** Bids received through the e-procurement portal shall only be accepted. Any bid received in any other form will not be accepted.<br><br>**4.6** Bids shall be typed or written in indelible ink. The Bids and all uploaded documents must be digitally signed using “Class 3” digital certificate [e-commerce application (Certificate with personal verification and Organization name)] as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India[except copies of the documents required in physical form] should invariably be submitted in the ‘Technical Attachment Tab’ through OIL’s e-bidding portal, before the scheduled date and time for the tender closing. All the documents uploaded shall be digitally signed by the authorized signatory of the bidder.<br><br>**4.7** Bid documents shall contain no interlineations, white fluid, erasures or overwriting except as necessary to correct errors made by bidder, in which case such corrections shall be initialed by the person or persons who has/have digitally signed the Bid.<br><br>**4.8** Any bid containing false statement will be rejected and action will be taken by Company as per Bid Document.<br><br>**4.9** Bidders must quote clearly and strictly in accordance with the price schedule outlined in Price Bidding Format attached under "Notes and Attachments" tab in the main bidding engine of OIL's E-Tender portal; otherwise the bid will be rejected. All other techno-commercial documents other than price details to be submitted with Unpriced Techno-Commercial Bid as per tender requirement under "Technical Attachment" Tab Page only. | | | |

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| | | **4.10** Bidder must accept and comply with the following provisions as given in the Tender Document in toto, failing which offer will be rejected:<br><br>**(i)** Firm price<br>**(ii)** Bid Security/EMD<br>**(iii)** Period of validity of Bid<br>**(iv)** Price Schedule<br>**(v)** Performance Bank Guarantee / Security deposit<br>**(vi)** Mobilization Schedule<br>**(vii)** Scope of work<br>**(viii)** Guarantee of material / work<br>**(ix)** Liquidated Damages clause<br>**(x)** Tax liabilities<br>**(xi)** Arbitration / Resolution of Dispute Clause<br>**(xii)** Force Majeure<br>**(xiii)** Applicable Laws<br>**(xiv)** Specifications<br>**(xv)** Integrity Pact<br><br>**4.11** There should not be any indication of price in the Un-priced Techno-Commercial Bid. A bid will be straightway rejected if this is given in the Un-priced Techno-Commercial Bid.<br><br>**4.12** Bid received with validity of offer less than 120 (one hundred twenty) days from Bid Opening Date will be rejected.<br><br>**4.13** The Integrity Pact is applicable against this tender. OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide "**Part-5/Integrity Pact**" of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be returned by the bidder (along with the Un-priced Techno-Commercial Bid) duly signed (digitally) by the same signatory | | | |

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| | | who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid. If any bidder refuses to sign Integrity Pact or declines to submit the Integrity Pact, their bid will be rejected.<br><br>**4.14** Bidders should not be under liquidation/bankruptcy/undergoing any insolvency resolution process as on Bid Closing date. Further neither the Bidders nor any of any of its allied concerns/ partners or associates or directors or proprietors involved in any capacity should be under Holiday List/Banning List/Suspension List of OIL as on Bid Closing date. Bidders shall submit undertaking towards compliance of above as per the prescribed formats (Appendix-1 & Appendix-2) along with the bid. If any bidder declines to submit the above undertakings, their bids shall be liable for rejection.<br><br>**4.15** Bidders shall submit duly filled checklists on BEC & other relevant technical criteria as prescribed in the tender along with their technical bid. If any bidder fails/declines to submit the same, their bid shall not be considered for further evaluation. | | | |
| **5.0** | **PRICE EVALUATION CRITERIA:** | | | | |
| 14 | **5.0** | The bids conforming to the technical specifications, terms and conditions stipulated in the bidding document and considered to be responsive after subjecting to Bid Evaluation Criteria mentioned above will be considered for further evaluation as per the Price Evaluation Criteria given below:<br><br>**5.1** Bidders are required to quote for all the items as per Price Bid Format, otherwise the offer of the bidder will be straightway rejected.<br><br>**5.2** If there is any discrepancy between the unit price and the total price, the unit price will prevail and the total price shall be corrected. | | | |

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| | | Similarly, if there is any discrepancy between words and figure, the amounts in words shall prevail and will be adopted for evaluation.<br><br>**5.3** The quantities shown against each item in the "Price Bid Format" shall be considered for the purpose of Bid Evaluation. It is, however, to be clearly understood that the assumptions made in respect of the quantities for various operations are only for the purpose of evaluation of the bid and the Contractor will be paid on the basis of the actual number of days/parameter, as the case may be.<br><br>**5.4** The bidders are advised not to offer any discount/rebate separately and to offer their prices in the Price Bid Format after considering discount/rebate, if any.<br><br>**5.5** Conditional and unsolicited discount will not be considered in evaluation. However, if such bidder happens to be the lowest recommended bidder, unsolicited discount without any condition will be considered for computing the contract price.<br><br>**5.6** In case of identical overall lowest offered rate by more than 1(one) bidder, the selection will be made by draw of lot between the parties offering the same overall lowest price.<br><br>**5.7** The inter-se-ranking of the techno-commercially qualified bidders will be determined on overall lowest cost basis (L-1 offer) i.e. considering the **Total quoted price inclusive of all liabilities including quoted GST (CGST & SGST/UTGST or IGST).**<br><br>**5.8** While evaluating the bids, the closing rate (B.C. Selling Rate) of exchange declared by State Bank of India on the day prior to price bid | | | |

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| | | opening will be taken into account for conversion of foreign currency into Indian Rupees.<br><br>**5.9** Price Evaluation of the qualified bids will be done on the basis of rates quoted by the bidder as per PROFORMA-B.<br><br>**5.11** To ascertain the inter-se-ranking, the comparison of the responsive bids will be made subject to loading for any deviation. Commercial Bids shall be evaluated taking into account the rates quoted in the **PRICE BID FORMAT** as per **Proforma-B**.<br><br>**Total Estimated Contract Cost for 4 (four) years** including all Taxes & Duties including quoted GST:<br><br>**T = T1 + T2 + T3 + T4 + T5 + T6 + quoted GST**<br><br>Where,<br><br>**T1**: Total Cost for IDS Coordinator, RSS-SDMM-MWD-LWD Services with Equipment & Personnel for IDS-3 (17 ½", 12¼", 8½" & 6" Hole Sections)<br><br>**T2**: Total Cost of Mud Engineering Services with Equipment & Personnel under IDS-3<br><br>**T3**: Total Cost of Mud Engineering Chemicals as per PROFORMA-B1 (Imported) and B1(Indigenous)<br><br>**T4**: Total Cost for supply of Bits as per PROFORMA-B2 under IDS-3<br><br>**T5:** Total Cost for supply of Hi-tech Bits as per PROFORMA-B3 under IDS-3 | | | |

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| | | **T6:** Total Cost for supply of Bit consignment as bit basket as per PROFORMA-B4 under IDS-3.<br><br>**5.12** OIL will prefer to deal with registered bidder under GST. Therefore, bidders are requested to get themselves registered under GST, if not registered yet.<br><br>However, in case any unregistered bidder is submitting their bid, their prices will be loaded with applicable GST while evaluation of bid.<br><br>**5.13** Price Bid uploaded without giving any of the details of the taxes (Including rates and amounts) will be considered as inclusive of all taxes including GST.<br><br>When a bidder mentions taxes as extra without specifying the rates & amount, the offer will be loaded with maximum value towards taxes received against the tender for comparison purposes. If the bidder emerges as lowest bidder after such loading, in the event of order on that bidder, taxes mentioned by OIL on the Purchase Order/Contracts will be binding on the bidder.<br><br>**5.14** Input Tax Credit on GST (Goods & Service Tax) for this service is NOT available to OIL & the bids will be evaluated based on total price including GST.<br><br>**5.15 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 @12% (BCD Nil & IGST @12%) subject to conditions specified therein (Condition No. 48). However, Condition No. 48 along with List-33 of the said notification has been amended vide Customs Notification No. 02/2022-Customs dated 01.02.2022. | | | |

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| | | Similarly, the domestic supply of such goods would attract 12% GST (i.e. IGST or CGST & SGST/UTSGT) on submission of EC in terms of GST Notification No. 03/2017.<br><br>Bidders shall take note of the prevailing customs notifications including the latest amendment vide gazette Notification No. 02/2022-Customs dated 01.02.2022 while quoting their prices. Bidder should consider concessional Customs Duty only for those items appearing in List-33 therein. Items of their import other than those appearing in List-33 of the said gazette notification shall be considered as duty payable on merit basis in their respective bid. OIL shall issue the requisite undertaking/certificate on request from Contractor for availing concessional rate of customs duty only against the items explicitly covered under List-33 of Customs Notification No. 02/2022-Customs dated 01.02.2022 or against any other item(s) subsequently declared by the competent authority during the tenure of the contract to be duty exempted/concessional. However, in the event of refusal/denial by Customs Authority to accord exemption/concession of Customs Duty against import of items which are explicitly covered under List-33 of Notification No. 02/2022-Customs dated 01.02.2022, such applicable customs duty shall be reimbursed at actual by OIL to the Contractor on submission of documentary evidence.<br><br>Similarly, the items other than those appearing in List-33 of the said gazette notification, if to be imported by the Contractor for the purpose of execution of contract against this tender, the same shall be considered as duty payable on merit basis and the applicable customs duty thereof must be included by the bidder in their respective bid value. OIL will not issue any Undertaking/Certificate towards customs duty concession/exemption for those items (not included in List-33 of Notification) and the duty payable on merit shall be borne by the Contractor. However, any other item if subsequently notified by the competent authority to be Duty free/concessional during the tenure of | | | |

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| | | the contract, OIL will issue requisite Certificate/Undertaking for Contractor to avail the Customs Duty benefit and the duty benefit must be passed on to OIL. Additionally, for all those items against which the bidder considers the Customs Duty on merit, the list specifying the Customs Duty Rate (percentage) may be furnished, so that subsequent increase/decrease in Customs Duty, if any shall be reimbursed/recovered by OIL as the case may be on documentary evidence.<br><br>Bidders should submit the list of items which are to be imported for execution of the contract against this tender as per Proforma-A prudently along with their bid. Undertaking/Certificate for availing concessional rate of Customs Duty shall be issued by OIL only for the eligible items, provide the same are included in the Proforma-A submitted by the bidder.<br><br>Note: The above stipulations shall prevail over other clauses if stipulated otherwise elsewhere in the original tender document/previous amendments. However, the aforementioned notifications are subject to change as per Government guidelines and the provisions ruling at the time of Bid Closing will be applicable. | | | |
| 15 | **6.0** | **6.1** In case bidder takes exception to any clause of bidding document not covered under BEC/BRC, then the Company has the discretion to load or reject the offer on account of such exception if the bidder does not withdraw/modify the deviation when/as advised by company. The loading so done by the company will be final and binding on the bidders. No deviation will however be accepted in the clauses covered under BEC/BRC.<br><br>**6.2** To ascertain the substantial responsiveness of the bid the Company reserves the right to ask the bidder for clarification in respect of clauses covered under BEC/BRC also and such clarifications fulfilling the BEC/BRC clauses in toto must be received on or before the deadline | | | |

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| | | given by the company, failing which the offer will be evaluated based on the submission. Clarifications if decided to be sought at the option of Company, the same shall be limited to the original submissions only and no independent fresh submission shall be called for/permitted. However, mere submission of such clarification shall not make the offer responsive, unless company is satisfied with the substantial responsiveness of the offer.<br><br>**6.3** If any of the clauses in the BEC contradict with other clauses of bidding document elsewhere, the clauses in the BEC shall prevail.<br><br>**6.4** Bidder(s) must note that requisite information(s)/financial values etc. as required in the BEC & Tender are clearly understandable from the supporting documents submitted by the Bidder(s); otherwise Bids shall be rejected.<br><br>**6.5** OIL will not be responsible for delay, loss or non-receipt of applications for participating in the bid sent by mail and will not entertain any correspondence in this regard.<br><br>**6.6** The originals of such documents [furnished by bidder(s)] shall have to be produced by bidder(s) to OIL as and when asked for. | | | |
| 16 | **7.0** | **PURCHASE PREFERENCE CLAUSE:**<br><br>**7.1 PURCHASE PREFERENCE TO MSE BIDDERS:** Purchase Preference to Micro and Small Enterprises is applicable for this tender.<br><br>**Note:** Provisions such as seeking support from another company by way Parent/Subsidiary/Company's experience etc., wherever allowed in the tender document shall be available to all interested bidders including | | | |

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| | | MSEs. In those scenarios, MSEs quoting on the strength of Parent/Subsidiary/ (whichever applicable) will be eligible for the benefits (Purchase Preference and EMD Exemption) reserved for MSEs provided the supporting company for technical and financial strength is/are also MSE(s). In case of Consortium arrangements, all the members including the leader of the consortium shall be MSEs for availing the benefits (Purchase Preference and EMD Exemption) reserved for MSE.<br><br>**Documentation required to be submitted by MSEs:** Categorization and various criteria applicable to MSE bidders shall be guided by the Gazette Notification No. **CG-DL-E-26062020-220191 dated 26.06.2020** and Amendment vide Gazette Notification no. CG-**DL-E-16062021-227649 dated 16.06.2021** and **No. CG-DL-E-19012022-232763 dated 19.01.2022** and **CG-DL-E-06052022-235600 dated 06.05.2022** issued by MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES, and any amendment thereof.<br><br>The bidder claiming the MSE status (MSE-General, MSE-SC/ST, MSE-Woman) against this tender has to submit Udyam Registration Number with Udyam Registration Certificate along with the technical bid for availing the benefits applicable to MSEs.<br><br>**Note:** In case bidding MSE is owned by Schedule Caste or Schedule Tribe or Woman entrepreneur, valid documentary evidence issued by the agency who has registered the bidder as MSE owned by SC/ST/Woman entrepreneur should also be enclosed.<br><br>**7.2 PURCHASE PREFERENCE POLICY (LINKED WITH LOCAL CONTENT) (PP-LC):** Purchase preference under Public Procurement (Preference to Make in India) Order, 2017 of Department for Promotion of Industry and Internal Trade (DPIIT), Govt. of India as revised vide Order No**. P-45021/2/2017-PP (BE-II)** dated **16th September 2020** (and as amended time to time) with modifications as notified vide MoPNG Order | | | |

<table>
<tr><td></td><td></td><td>No. FP-20013/2/2017-FP-PNG-Part (4) (E-41432) dated 26th April 2022, shall be applicable in this tender. Bidders to check the provisions of the Order for their eligibility to bid and seek benefits for Purchase preference, accordingly.<br><br>7.3 Contract shall be awarded for the entire scope of work under this tender subject to concurrent application of Public Procurement Policy for MSE Order 2012 and PP(MII) Order 2017 as per Order No. F.1/4/2021-PPD dated 18.05.2023 issued by Public Procurement Division, Department of Expenditure, Ministry of Finance, Govt. of India and any subsequent amendment thereto.<br><br>Note:<br><br>a. Services under this tender is not splitable.<br><br>b. The ‘Total Price’ shall be matched with that of the L1 bidder by reducing the differential rates proportionately or otherwise against the line items where their rates/prices are higher than that of the L1 bidder.</td><td></td><td></td><td></td></tr>
<tr><td>17</td><td>8.0</td><td>8.1 Oil India Limited (OIL) has engaged the following 17 (Seventeen) Independent Inspection Agencies to verify and certify various documents required against BEC/BRC of the tender:<br><br>
<table>
<tr><th>Sl. No.</th><th>Name of Independent Inspection Agency</th><th>Contact E-Mail ID</th></tr>
<tr><td>1.</td><td>M/s. Dr. Amin Controllers Private Limited</td><td>rkjain@rcaindia.net; pradeep.mathur@rcaindia.net info@rcaindia.net</td></tr>
<tr><td>2.</td><td>M/s. TUV India Private Limited</td><td>noida@tuv-nord.com; mumbai@tuv-nord.com salim@tuv-nord.com</td></tr>
<tr><td>3.</td><td>M/s. Conformity India International Private Limited</td><td>mktg@ciindia.in</td></tr>
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| | | | 4. | M/s. Ravi Energie Private Limited | baroda@ravienergie.com<br>tpia@ravienergie.com | | | | |
| | | | 5. | M/s. SGS India Private Limited | dhaval.vora@sgs.com<br>sgs.india@sgs.com | | | | |
| | | | 6. | M/s. Assure Quality Management Certification Services Private Limited | aqmcs@aqmcs.com | | | | |
| | | | 7. | M/s. IRCLASS Systems and Solutions Private Limited | industrial_services@irclass.org<br>Bhavesh.satam@irclass.org | | | | |
| | | | 8. | M/s. TUV Rheinland (India) Pvt. Ltd. | Shailesh.deotale@ind.tuv.com<br>Kaushal.gohil@ind.tuv.com<br>info@ind.tuv.com<br>ravi.kumar@ind.tuv.com | | | | |
| | | | 9. | M/s. Gulf Lloyd Industrial Services(I) Pvt. Ltd. | contact@gulflloyds.com<br>inspection@gulflloyds.com | | | | |
| | | | 10. | M/s. Baltic Testing India Pvt Ltd. | office@balticcontrolindia.com | | | | |
| | | | 11. | M/s. Sanmarg Engineering Validation & Assessment Pvt. Ltd. | Amrita@sanmargeva.com | | | | |
| | | | 12. | M/s. Meenar Global Consultants LLP | sales@mgcllp.in | | | | |
| | | | 13. | M/s. Rites Limited | nrinspn@rites.com<br>info@rites.com<br>sbu.ninsp@rites.com | | | | |
| | | | 14. | M/s. Bureau Veritas (India) Private Limited | bvindia.corporate@bureauveritas.com | | | | |
| | | | 15. | M/s. TUV SUD South Asia Private Limited | Hemant.chavan@tuvsud.com<br>Jayashree.rane@tuvsud.com | | | | |
| | | | 16. | M/s. Adornment Engineers India Private Limited | jks@adornmentengineers.com | | | | |

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| 17 | M/s. TCRC Inspections Pvt. Ltd. | admin@tcrcinspections.com<br>ashismallick@tcrcgroup.com<br>tenders@tcrcgroup.com |

**8.2** The Bidders have to get verified and certified the various documents required against BEC/BRC of the tender by any one of the above Independent Inspection Agencies and submit the duly certified Inspection Certificate as per **Proforma XIII** by the Inspection Agencies along with the Technical Bid of the Tender. All Charges of the Third-Party Independent Inspection Agencies towards verification of bidder's documents and certification thereof shall be borne by the respective bidders and payments on account of above inspection, verification and certification shall be made directly by the Bidder to the Inspection Agency(s). OIL will not be responsible for any payment dispute between Bidders and Third-Party Inspection Agencies.

**8.3** As mentioned above, Bidder(s) have to submit the verified documents along with the Technical Bids. Bid submitted with un-verified supporting documents shall not be considered. However, in case a bidder submits its bid alongwith all relevant supporting documents as per BEC/BRC without getting all/some of them verified by the designated Independent Inspection agency, such bid can be provisionally considered provided it is accompanied by an Undertaking by the Bidder on their official letterhead to submit the duly verified copies/verification certificate within 07 (Seven) days of bid opening. Company will neither send any reminder nor seek any clarification in this regard from such bidders, and the bid will be rejected outright if the bidder fails to submit the verified copies/verification certificate within 07 (Seven) days of bid opening at its own risk and responsibility.

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| | | **8.4** The methodology of inspection/verification of documents is broadly as under but not limited to:<br><br>(d) It is obligatory on the part of the interested Bidders, who choose to participate against the tender, to understand the tender requirements in entirety and the requisite documents sought for in support of the Bid Evaluation Criteria/Bid Rejection Criteria (BEC/BRC) mentioned in the tender in particular. The Bidder must produce all the appropriate documents before any of the OIL's empaneled third-party certifying agencies for verification/certification. Neither OIL nor the third-party certifying agency shall be held accountable in any manner regarding the choice of documents by the bidder for verification. Therefore, getting the appropriate documents inspected/verified by the agency in support of BEC/BRC clauses is the sole responsibility of the Bidder.<br><br>(e) The prospective bidder shall contact any of the empaneled inspection agencies. The agency shall go through the Tender Document, especially the requirements of BEC/BRC and list the documents to be verified. They shall depute their qualified/competent inspector to the Bidder's premises to check the original documents and certify the copies which the bidder shall submit along with their bids. OIL will reserve the right to ask the inspection agencies to verify the documents with source, if required at no extra cost to OIL. Verification of documents by OIL's empaneled third party agency shall not automatically make the bidder eligible for award of contract.<br><br>(f) Verification of documents (but not limited to) are normally categorized as under:<br><br>➢ **General Requirement (as applicable):**<br>• Check Bidder's PAN Card<br>• Check Bidder's GST Certificate<br>• Check ITR of company | | | |

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| | | • Check Bidder's Certificate of Incorporation – Domestic Bidder.<br>➢ **Additional Documents : (If applicable against the tender)**<br>• Joint Ventures Agreements – To cross-check with JV Partners<br>• Consortium Agreements – To cross-check with Consortium Partners<br>• Holding/Parent/Subsidiary/Sister Subsidiary/Co-Subsidiary Company – To check the Share Holding pattern.<br>➢ **Technical Criteria**<br>• To check Experience Proof- Completion Certificates, Reference contact verification, Original Work Order/Contract Copy and any other document(s), if called for vide BEC/BRC of the Tender.<br>➢ **Financial Criteria**<br>• Check and verify Audited Balance Sheet/CA certificate.<br>• To check the Line of Credit, if incorporated in the tender.<br><br>**Note: If any documents LOI/LOA/Contracts, etc. are submitted towards BEC/BRC experience criteria issued by Oil India Limited, such documents need not be verified by TPI agency. Further TPI Verification and certification is not required for financial documents having Unique Document Identification Number (UDIN). Self-Undertaking furnished by the bidder in support of their bid may not be TPI verified.** | | | |
| 18 | **9.0** | **<u>DOCUMENT AUTHENTICITY UNDERTAKING:</u>**<br><br>Bidders should note that Company (OIL) may verify authenticity of all the documents /certificates / information submitted by the bidder(s) against the tender. In case at any stage of tendering process or Contract execution etc., if it is established that bidder has submitted forged documents / certificates / information towards fulfilment of any of the tender / contract conditions, Company shall immediately reject the bid of such bidder(s) or cancel / terminate the contract besides taking action as per | | | |

| | | | | | |
|---|---|---|---|---|---|
| | | OIL's Banning Policy dated 6th January 2017 revised on 17.03.2023, available in the OIL's website. Accordingly, service provider/vendor to submit the Undertaking of authenticity of information/documents submitted as per Proforma-IX. | | | |
| 19 | **10.0** | **LAND BORDER SHARING:**<br><br>Bidders should submit an Undertaking that, their bid is compliant to Order No. F.No. 6/18/2019-PPD dated 23.07.2020 issued by Ministry of Finance, Department of Expenditure, Public Procurement Division, Govt. of India (including subsequent amendments thereto, if any), regarding restrictions on procurement from a bidder of a country which shares land border with India. | | | |
| 20 | **11.0** | **COMPLIANCE OF THE COMPETITION ACT, 2002:**<br><br>The bidder shall strictly comply with the provisions of the Competition Act, 2002, more particularly, Section-3 of the Act. Any violation the provisions of the Act shall attract penal action under the Act. | | | |

**ANNEXURE-A**

**DETAILS OF CONTRACTS EXECUTED BY THE BIDDER FOR PROVIDING DIRECTIONAL SERVICES WITH RSS, MUD MOTOR, TURBINE, ROTARY BHA AND OTHERS**

| Sl. No. | Client Contact Details | Contract No. & Date | Duration of Contract | Scope of work | Documents Provided in Bid (*) |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| (*) | Bidder should submit copy of relevant portion of the Contract containing "Client Name, Contractor Name, Contract No. & date, scope of work etc. along with performance certificates. | | | | |

Authorised Person's Signature: _____

Name: _____

Seal of the Bidder:

**ANNEXURE-A1**

| **DETAILS OF CONTRACTS EXECUTED BY THE BIDDER FOR PROVIDING LWD SERVICES IN DIRECTIONAL WELLS** | | | | | |
|---|---|---|---|---|---|
| **Sl. No.** | **Client Contact Details** | **Contract No. & Date** | **Duration of Contract** | **Scope of work** | **Documents Provided in Bid (*)** |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| (*) | Bidder should submit copy of relevant portion of the Contract containing "Client Name, Contractor Name, Contract No. & date, scope of work etc. along with performance certificates. | | | | |

Authorised Person's Signature: _____

Name: _____

Seal of the bidder:

**ANNEXURE-A2**

| DETAILS OF CONTRACTS EXECUTED BY THE BIDDER FOR PROVIDING MUD ENGINEERING SERVICES | | | | | |
|---|---|---|---|---|---|
| **Sl. No.** | **Client Contact Details** | **Contract No. & Date** | **Duration of Contract** | **Scope of work** | **Documents Provided in Bid (*)** |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| (*) | Bidder should submit copy of relevant portion of the Contract containing "Client Name, Contractor Name, Contract No. & date, scope of work etc. along with performance certificates. | | | | |

Authorised Person's Signature: _____

Name: _____

Seal of the bidder:

**ANNEXURE-B**

**Details in support of Bidder's experience in providing MWD/LWD services in combination with RSS, Mud Motor, Turbine, Rotary BHA and Others**

| Well Name | Type of well | Date of Completion | Location | Client Name | Client Contact Details | End Depth (M) | Horizontal Dis-placement | LWD Services Offered\|Type of combinations | Support Document Provided in Bid | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Pre-Drilling - Well planning documents | | | | Post Drilling Documents | | | Authentication |
| | | | | | | | | | Well Plans | Directional Proposal | BHA Analysis | Torque &Drag Analysis | Well Plots | Surveys | BHA diagram | Client **Certificate** with Well Number/ *service tickets* |
| 1 | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

Authorised Person's Signature: _____

Name: _____

Seal of the Bidder:

**ANNEXURE-C**

**DRILL STRING AVAILABLE WITH "OIL"**

| SL. NO. | ITEM | OD | ID | WEIGHT (PPF) | CONNECTION |
|---|---|---|---|---|---|
| 1 | Drill Pipe (G-Grade) | 5" | 3.25" | 19.5 | 4 1/2"IF |
| 2 | Heavy Weight Drill Pipe | 5" | 3.25" | 49.3 | 4 1/2"IF |
| 3 | Drill Collar | 6.5" | 2.13/16" | 92.5 | 4"IF |
| 4 | Drill Collar | 8.25" | 2.13/16" | 150.5 | 6. 5/8" Reg |
| 5 | Drill Collar | 9. ½" | 3.0" | 216.6 | 7. 5/8" Reg |
| 6 | Stabilizer (6.5 " Mandrel) | 8.5 | 2.13/16″ | 92 | 4"IF |
| 7 | Stabilizer (8 " Mandrel) | 12. ¼" | 2.13/16″ | | 6. 5/8" Reg |
| 8 | Stabilizer (9.5 " Mandrel) | 17.5" | 3.0" | | 7. 5/8" Reg |
| 9 | Cross Over for Above | | | | |
| 10 | Bit Sub | 6.5" | 2.13/16″ | | 4.1/2" R X 4. ½" IF |
| | | 8.0" | 2.13/16″ | | 6. 5/8" Reg |
| | | 9. ½" | 3.0" | | 7. 5/8" Reg |
| 11 | Drill Pipe | 3.1/2″ | 2.7/16" | | 3.1/2" IF |
| 12 | Heavy Weight Drill Pipe | 3.1/2″ | 2.1/16" | | 3.1/2" IF |
| 13 | Drill Collar | 4¾″ | 2¼″ | | NC-35 |
| 14 | Drill Collar | 3.1/2″ | 1.9/16″ | | 2.3/8" IF (NC 26) |
| 15 | Cross Over For Above | | | | |
| 16 | Bit Sub | 3.1/2″ | | | 3.1/2" R |

**ANNEXURE-D**

**Details of collar based MWD tool for 17½", 12¼", 8 ½" and 6" hole section.**

| SL. NO. | TOOL FEATURES | | OIL Requirement | Bidder's offer | REF: FILE & PAGE NO. BY BIDDER |
|---|---|---|---|---|---|
| 1 | Telemetry Type | | Positive mud pulse | | |
| 2 | Collar Sizes | | 4¾", 6½" or 6¾", 7¾" or 8" – 9. 5/8" | | |
| 3 | DLS (PER 100') | | 17. ½" Section: 2 º - 4 º / 100′<br>12. ¼" Section: 2 º - 6º / 100′<br>8. ½" Section: 2.5 º - 7º / 100′<br>6" Section: 3 º - 7º / 100 | | |
| 4 | FLOW RANGE (GPM) | | As per Note below | | |
| 5 | MAX OPERATING TEMP. | | 130° C | | |
| 6 | MAX OPERATING PRESSURE (PSI) | | 15000 - 20000 | | |
| 7 | REAL TIME UPDATE PERIOD | | <= 20 Secs | | |
| 8 | SURVEY TIME | | <= 120 Secs | | |
| 9 | DIRECTIONAL MEASUREMENT POINT FROM BIT | WITH GAMMA | Minimum possible | | |
| 10 | MEASUREMENT ACCURACY | TOOL FACE | ± 1.5° | | |
| 11 | | AZIMUTH | ± 1.5° | | |
| 12 | | INCLINATION | ± 0.2° | | |
| 13 | MEASUREMENT RANGE: | | 0-100 deg or more | | |
| 14 | LOST CIRCULATION MATERIAL (MAX SIZE & CONCENTRATION) | | | | |
| 15 | POWER SOURCE (OPERATING TIME, HRS) | | Life >300 Hrs | | |
| 16 | DATA TRANSMISSION RATE (BITS/SEC) | | Min. 5 bits/sec. or more and should be suitable to transmit data of various tools quoted in different segments of the tender | | |
| 17 | MANUFACTURER / MODEL | | Model Quoted Should be Latest and Best in Class | | |
| 18 | DATA RECORDING | | The system to complete with pulsar, electronic sensors, power source etc. for transmitting and recording down-hole data in real time with tool face update every 20 seconds or less. Data also is to be | | |

| | | | | |
|---|---|---|---|---|
| | | recorded while pulling out by back reaming / with pumps-on. | | |
| 19 | DATA DENSITY | Data Density should be minimum *1* data/ft in real time and minimum *2* data/ft in memory mode | | |
| 20 | Additional features/information (if any) is to be provided by the bidder. | | | |

**Note:**

(i) The system to complete with pulsar, electronic sensors, power source etc. for transmitting and recording down-hole data in real time.

(ii) Min. Flow Rate: 400 GPM & Max. Flow Rate: 900GPM or more for 17½" hole section.

(iii) Min. Flow Rate: 400 GPM & Max. Flow Rate: 750 GPM or more for 12 ¼" hole section.

(iv) Min. Flow Rate: 400 GPM & Max. Flow Rate: 600 GPM or more for 8 ½" hole section.

(v) Min. Flow Rate: 200 GPM & Max. Flow Rate: 350 GPM or more for 6" hole section.

(vi) Contractor can utilize the same set of MWD/LWD tools mobilized under one hole section in another hole section (if found technically feasible). The same has to be declared by the service provider during the initial mobilization process. However, the contractor should ensure that the common tools can be adjusted for requisite flow rates as per hole size requirement and should be within the requisite permissible circulating hours.

**NOTE:** The Workstation should come with minimum 150 m of 3- Phase power cables for cluster locations. Contractors are required to give an Electrical Test Certificate for the Surface unit & Bunks prior to powering of the unit by OIL. Contractors to confirm provide the same.

**ANNEXURE E**

**1.1 SPECIFICATION OF 4¾ " DRILLING JARS (HYDRO-MECH/HYDRAULIC)**

| | JAR FEATURES | OIL'S REQUIREMENT | BIDDER'S OFFER | REF: FILE & PAGE NO. BY BIDDER |
|---|---|---|---|---|
| **4¾" OD Drilling Jar** | Length (Maximum) | 30 feet (± 3 feet) | | |
| | ID (Minimum) | 2" - 2½" ID | | |
| | Tool Joint | 3½" API IF Box x Pin | | |
| | Torsional Yield | Not less than 18,000 ft-lbs | | |
| | Jar Up-stroke minimum | 80000 pounds | | |
| | Jar Down-stroke minimum | 22000 pounds | | |
| | Stroke Length (Up & Down) | 12″ Minimum | | |
| | Tensile Yield | 362,000 lbs. | | |
| | Max Operating Temp. | 120° C or more | | |
| | Max Operating Pressure (Psi) | 12000 PSI or more | | |
| | Manufacturer / Model | From the manufacturers specified in NIT. | | |

**1.2. SPECIFICATION OF DRILLING JARS of 6.1/4"/6.1/2"/6.3/4 (HYDRO-MECH/HYDRAULIC)**

| 3.0 | JAR FEATURES | OIL'S REQUIREMENT | BIDDER'S OFFER | REF: FILE & PAGE NO. BY BIDDER |
|---|---|---|---|---|
| OD Drilling Jar 6.1/4" /6.1/2" /6.3/4 | Length (Maximum) | 30 feet (± 3 feet) | | |
| | ID (Minimum) | 2½" / 2.¾″ ID (2" for 4.3/4" jar) | | |
| | Tool Joint | 6.5/8" Reg, 4.1/2" IF & 3½" IF | | |
| | Torsional Yield | Not less than 50,000 ft-lbs | | |
| | Jar Up-stroke minimum | 160000- 175000 pounds | | |
| | Jar Down-stroke minimum | 37600-175000 pounds | | |
| | Stroke Length (Up & Down) | 12″ Minimum | | |
| | Tensile Yield | 730,000 lbs. | | |
| | Max Operating Temp. | *120-deg C* or more | | |
| | Max Operating Pressure (Psi) | *18000* PSI or more | | |
| | Manufacturer / Model | From the manufacturers specified in NIT. | | |

**1.3. SPECIFICATION OF DRILLING JARS – 7¾/8" (Hydro-Mech/Hydraulic)**

| | JAR FEATURES | OIL'S REQUIREMENT | BIDDER'S OFFER | REF: FILE & PAGE NO. BY BIDDER |
|---|---|---|---|---|
| **7¾" /8 " OD** | Length (Maximum) | 30 feet (± 3 feet) | | |
| | ID (Minimum) | 2½" / 2.¾″ / 3" ID | | |
| | Tool Joint | 6⅝" API Reg. Box x Pin | | |
| | Torsional Yield | Not less than 95,000 ft-lbs | | |
| | Jar Up-stroke minimum | 260,000 – 300000 pounds | | |
| | Jar Down-stroke minimum | 42,000 – 300000 pounds | | |

| | | | | |
|---|---|---|---|---|
| | Stroke Length (Up & Down) | 12″ Minimum | | |
| | Tensile Yield | 10, 00,000 lbs. | | |
| | Max Operating Temp. | 120° C or more | | |
| | Max Operating Pressure (Psi) | *18000* PSI or more | | |
| | Manufacturer / Model | From the manufacturers specified in NIT. | | |

******END OF ANNEXURE-E******

**ANNEXURE-G**

**SPECIFICATION OF LWD TOOLS FOR 17½ (GAMMA ONLY), 12¼"8 ½ and 6" HOLE SECTION GAMMA TOOL/ RESISTIVITY (INDUCTION TYPE)**

| Sl No | Service Description | Tool Features | OIL's Requirement | Bidder's Offer | REF: FILE & PAGE NO. BY BIDDER |
|---|---|---|---|---|---|
| 1 | Gamma Tool | Temperature rating: | 120° C or more | | |
| 2 | | Pressure rating: | 18000 PSI or more | | |
| 3 | | Sampling Rate: | 2 sample/feet in memory mode | | |
| 4 | | Gamma Ray Range | 0-250 API or more | | |
| 5 | | Gamma ray logging should be compatible and combinable with other LWD tools | | | |
| 6 | Resistivity (Induction Type) | Temp rating: | 120° C or more | | |
| 7 | | Pressure rating | 18000 PSI or more | | |
| 8 | | Sampling Rate | 2 sample/feet in memory mode | | |
| 9 | | Resistivity measurement | 0.2 to 2000 Ohm-m | | |
| 10 | | Frequency/ Depth of Investigation | To be recorded in Multiple frequencies and in multiple depth of investigations | | |
| 11 | | • Invasion Profile from curve separations<br>• Resistivity logging should be compatible and combinable with other LWD tools.<br>• Bore-hole compensated phase & attenuation measurement systems | | | |

**ANNEXURE-H**

**SPECIFICATION OF ANNULUS PRESSURE AND ANNULUS TEMPERATURE TOOL FOR 12¼, "8 ½ and 6" HOLE SIZE**

| Sl No | TOOL FEATURES | OIL'S REQUIREMENT | BIDDER'S OFFER | REF: FILE & PAGE NO. BY BIDDER |
|---|---|---|---|---|
| 1 | ECD and ESD CAPABILITY | Pressure sensor to identify ECD (Equivalent Circulating Density) and ESD (Equivalent Static Density) | | |
| 2 | ACCURACY | APWD pressure and temperature resolution should be 5 psi or less and 1.2 deg. C or less respectively | | |
| 3 | MEASUREMENT CAPABILITY | Should be able to provide measurements in both OFF and ON conditions of the pumps. | | |
| 4 | LOT CAPABILITY | Should be able to take min and max pressure measurements during LOT. | | |
| 5 | MAX OPERATING TEMP. | 120° C or more | | |
| 6 | MAX OPERATING PRESSURE (PSI) | 18000 PSI or more | | |
| 7 | MANUFACTURER / MODEL | Model Quoted Should be Latest and Best in Class | | |

Note: Additional features/information (if any) is to be provided by the bidder.

**ANNEXURE-I**

**SPECIFICATION OF NEUTRON, AZIMUTHAL DENSITY WITH IMAGING & CALIPER FOR 8½ and 6" HOLE SECTION**

| Sl No | Service Description | Required Specifications | BIDDER'S OFFER | REF: FILE & PAGE NO. BY BIDDER |
|---|---|---|---|---|
| 1 | Neutron, Azimuthal Density with imaging & Calliper hole size, 8.5" and 6" | Temperature rating: 300 deg F or more | | |
| 2 | | Pressure rating: 18000 PSI or more | | |
| 3 | | Azimuthal Density Range = 1.0 to 3.10 gm/cc | | |
| 4 | | Pe = 1 to 20 units | | |
| 5 | | Neutron porosity = 0 to 60 P.U. | | |
| 6 | | Azimuthal density from four quadrant and images are to be provided as per the operational requirement with 16 BINS/ 16 Sectors measurement and real time transmission at a rate of 4 BINS/ 4 Sectors or more. | | |
| 7 | | Ultrasonic/ Density derived calliper log to be provided | | |

**ANNEXURE-J**

**The following minimum features of Formation Pressure while Drilling (FPWD) Tool For hole size 6" Hole-Call Out should be made available on call out basis:**

| Sl No | Service Description | Required Specifications | BIDDER'S OFFER | REF: FILE & PAGE NO. BY BIDDER |
|---|---|---|---|---|
| 1 | Formation Pressure while Drilling (FPWD) Tool For hole size 6" should be made available on call out basis | The formation pressure measurement to be transmitted on real time basis. | | |
| 2 | | Tool should be battery powered with sufficient power back up to deploy the probe for at least 100 tests or more. | | |
| 3 | | The tool should be able to perform test by orienting probe to high / low side of the hole in vertical / deviated wells as per operational requirement. | | |
| 4 | | Tool should have the ability to perform the test in Pumps On/Off mode. | | |
| 5 | | Tool stabilizer must be an integral i.e., no clamps on stabilizer | | |
| 6 | | Tool should have smart pre-test & have ability to change the test parameters by down linking in real-time. | | |
| 7 | | Tool should be able to provide tool status and battery status in RT. Alternative power from MWD. | | |
| 8 | | Combinable with all quoted LWD tools | | |
| 9 | | Pressure rating: 18000 PSI or more | | |
| 10 | | Temp rating: 120° C or more | | |
| 11 | | Tool must be able to transmit both tool measurement quality indices and tool status along with fluid mobility measurements following each Pre-test. | | |
| 12 | | Tool must be able to transmit the measured pressure trace following each Pre-test. | | |

**ANNEXURE–K**

**Details of Measurement While Drilling/ Logging while Drilling Surface Unit**
**(One Workstation compatible for all sections/tools/equipment under the contract)**

| Sl No | OIL Requirement | Bidder's Offer | REF: FILE & PAGE NO. BY BIDDER |
|---|---|---|---|
| 1 | Online surface recording system for running MWD / LWD services in 17½", 12¼", 8½", 6" holes with all accessories like signal pressure transducers, precision depth assembly and MWD logs including TVD logs in real time. | | |
| 2 | MWD /LWD workstation should be capable of recording standpipe pressure, drill string weight, RPM along with MWD/ LWD data for all types of directional wells. | | |
| 3 | Data to be recorded in real time as well as in memory mode. System should be able to provide raw as well as processed data. Data to be provided in electronic media (PDF, LASS and standard industry format like DLIS / CLIS) in CD / DVD. System to have capability to retrieve data in memory mode at the site. | | |
| 4 | Unit should have provision for data compression feature and security protection as per prevalent Oil Industry standards. | | |
| 5 | System should have color printing/ plotting facility at site. Internet connectivity to be provided by the bidder for data transmission. | | |
| 6 | In the event of fault and failure of equipment & software hired from the CONTRACTOR, their personnel should be available for attending rectification of the problem. | | |

## 1.1 SPECIFICATION OF 4¾" STEERABLE DOWNHOLE MUD MOTOR (SDMM) For 6" HOLE SIZE

| MOTOR FEATURES | OIL'S REQUIREMENT | BIDDER'S OFFER | REF: FILE & PAGE NO. BY BIDDER |
|---|---|---|---|
| Flow Range in GPM | Min. Flow Rate: 150 GPM<br>Max. Flow Rate: 250 GPM or more. | | |
| AKO/ABH Range (Min. Achievable) | 0° - 3° or more | | |
| Bit speed (Free Running / No Load ) | Not less than 100 RPM to 260 RPM or more. | | |
| Type | Steerable with Adjustable Kick off sub/Adjustable Bend Housing | | |
| Bearing type | Mud Lube or Oil sealed | | |
| Length (Maximum) | 26 – 35 feet | | |
| Type of Connection | 3½" API regular Box down and 3½" API IF Box up. Or any other proprietary connection of the bidder for their entire BHA. | | |
| Lifting Sub | 3½" API IF | | |
| Max Operating Differential Pressure (Psi) | 700 PSI or more | | |
| Power Output | 90 HP minimum | | |
| Torque Operating | 2500 NM minimum | | |
| DLS Maximum Achievable | 4° / 100′ or more | | |
| Pass Through DLS: | | | |
| Sliding | 4° / 100′ or more | | |
| Rotary | 4° / 100′ or more | | |
| Stabilization | 5⅞" screwed-on/built-in | | |
| Manufacturer / Model | From the manufacturers as specified in SOW | | |

- Match on sub have to be provided by the bidder in case of proprietary connection for fishing and other job along with the lifting sub. In case of non-standard tubular, bidder has to provide overshot tool for fishing job.
- In case of proprietary connection, all cross over sub have to be provided by the bidder to match OIL's string.
- System should be able to drill cement, float collar, float shoe and formation.
- Additional features/information (if any) is to be provided by the bidder.

&&&&&&&&&&&&&&&&

**1.2. SPECIFICATION OF 6½"/6¾" STEERABLE DOWNHOLE MUD MOTOR (SDMM) FOR 8½" HOLE**

| Sl. No. | SDMM Features | OIL's Requirement | BIDDER'S OFFER | REF: FILE & PAGE NO. BY BIDDER |
|---|---|---|---|---|
| 1 | Type | High Torque, Low to Medium Speed, Stabilized, Multi-lobe, Multistage Positive displacement Mud Motor | | |
| 2 | Flow rate range (approx.) | 250 GPM or more – 700 GPM or less | | |
| 3 | AKO/ABH Range (Min. Achievable) | 0° - 2.5° or more | | |
| 4 | Bit speed range (approx.) | 35 RPM or more - 300 RPM or less | | |
| 5 | Housing Type | Steerable with Adjustable Kick off sub /Adjustable Bend Housing | | |
| 6 | Bearing type | Mud Lube or Oil sealed | | |
| 7 | Length (within) | 37 feet(max) | | |
| 8 | Type of Connection | 4½" API Reg. Box down & 4½"/4" API IF Box Up or Any other proprietary connection of the Contractor. | | |
| 9 | Ported float sub | Contractor to assure that by the use of float sub there will be no wet pull out. There should be provision for transmitting the drill pipe pressure whenever the BOP/well is closed. So float sub should have a port for | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | transmission of drill pipe pressure to the surface | | | | |
| 10 | Lifting Sub Connection | 4½"/4" API IF Pin or matching proprietary connection pin for the Contractor's SDMM | | | | |
| 11 | Operating Differential Pressure (Psi) | 650 PSI or more. | | | | |
| 12 | Power Output | 160 HP or more | | | | |
| 13 | Torque Operating | 8000 NM or more | | | | |
| 14 | DLS Maximum Achievable | 4°/100′ or more | | | | |
| 15 | Pass Through DLS: | | a) Sliding | 4°/100′ or more | | |
| | | | b) Rotary | 4°/100′ or more | | |
| 16 | Stabilization | 8.3/8" screwed-on/built-in | | | | |
| 17 | Manufacturer / Model | From the manufacturers as specified in SOW | | | | |

**Notes:**

a) Match on sub have to be provided by the Contractor in case of proprietary connection for fishing and other jobs along with the lifting sub. In case of non-standard tubular, Contractor has to provide overshoot tool for fishing job.

b) In case of proprietary connection, all cross over sub have to be provided by the Contractor to match OIL's string.

c) System should be able to drill cement, float collar, float shoe and formation.

**1.3 SPECIFICATION OF 6½"/6¾" STEERABLE DOWNHOLE MUD MOTOR (SDMM) FOR 9½" HOLE**

| Sl. No. | SDMM Features | OIL's Requirement | BIDDER'S OFFER | REF: FILE & PAGE NO. BY BIDDER |
|---|---|---|---|---|
| 1 | Type | High Torque, Low to Medium Speed, Stabilized, Multi-lobe, Multistage Positive displacement Mud Motor | | |
| 2 | Flow rate range (approx.) | 250 GPM or more – 700 GPM or less | | |
| 3 | AKO/ABH Range (Min. Achievable) | 0° - 2.5° or more | | |
| 4 | Bit speed range (approx.) | 35 RPM or more - 300 RPM or less | | |
| 5 | Housing Type | Steerable with Adjustable Kick off sub /Adjustable Bend Housing | | |
| 6 | Bearing type | Mud Lube or Oil sealed | | |
| 7 | Length (within) | 37 feet(max) | | |
| 8 | Type of Connection | 4½" API Reg. Box down & 4½"/4" API IF Box Up or Any other proprietary connection of the Contractor. | | |
| 9 | Ported float sub | Contractor to assure that by the use of float sub there will be no wet pull out. There should be provision for transmitting the drill pipe pressure whenever the BOP/well is closed. So float sub should have a port for transmission of drill pipe pressure to the surface | | |
| 10 | Lifting Sub Connection | 4½"/4" API IF Pin or matching proprietary connection pin for the Contractor's SDMM | | |
| 11 | Operating Differential Pressure (Psi) | 650 PSI or more. | | |
| 12 | Power Output | 160 HP or more | | |

| | | | | | |
|---|---|---|---|---|---|
| 13 | Torque Operating | 8000 NM or more | | | |
| 14 | DLS Maximum Achievable | 4°/100′ or more | | | |
| 15 | Pass Through DLS: | a) Sliding | 4°/100′ or more | | |
| | | b) Rotary | 4°/100′ or more | | |
| 16 | Stabilization | 8.3/8" screwed-on/built-in | | | |
| 17 | Manufacturer / Model | From the manufacturers as specified in SOW | | | |

**Notes:**

a) Match on sub have to be provided by the Contractor in case of proprietary connection for fishing and other jobs along with the lifting sub. In case of non-standard tubular, Contractor has to provide overshoot tool for fishing job.

b) In case of proprietary connection, all cross over sub have to be provided by the Contractor to match OIL's string.

c) System should be able to drill cement, float collar, float shoe and formation.

### 1.4 SPECIFICATION OF 7¾"/8"/8¼" STEERABLE DOWNHOLE MUD MOTOR (SDMM) FOR 12¼" HOLE

| Sl. No. | SDMM Features | OIL's Requirement | BIDDER'S OFFER | REF: FILE & PAGE NO. BY BIDDER |
|---|---|---|---|---|
| 1 | Type | High Torque, Low to Medium Speed, Stabilized, Multi-lobe, Multi stage Positive displacement Mud Motor | | |
| 2 | Flow rate range(approx.) | 250 GPM or more – 1000 GPM or less | | |
| 3 | AKO/ABH Range<br>(Min. Achievable) | 0° - 2° or more | | |
| 4 | Bit speed range (approx.) | 35 RPM or more - 275 RPM or less | | |
| 5 | Housing Type | Steerable with Adjustable Kick off sub/Adjustable Bend Housing | | |
| 6 | Bearing type | Mud Lube or Oil sealed | | |

| | | | | | |
|---|---|---|---|---|---|
| 7 | Length (within) | 37 feet (max) | | | |
| 8 | Type of Connection | 6⅝" API Reg. Box down &<br><br>6⅝" API Reg. Box Up or Any other proprietary connection of the Contractor | | | |
| 9 | Ported float sub | Contractor to assure that by the use of float sub there will be no wet pull out. There should be provision for transmitting the drill pipe pressure whenever the BOP/well is closed. So, float sub should have a port for transmission of drill pipe pressure to the surface | | | |
| 10 | Lifting Sub Connection | 6⅝" API Reg. Pin or matching proprietary connection pin for the Contractor's SDMM | | | |
| 11 | Operating Differential Pressure | 600 PSI or more | | | |
| 12 | Power Output | 220 HP or more | | | |
| 13 | Torque Operating | 11,500 NM or more | | | |
| 14 | DLS Maximum Achievable | 4°/100′ or more | | | |
| 15 | Pass Through DLS: | a) Sliding | 4°/100′ or more | | |
| | | b) Rotary | 4°/100′ or more | | |
| 16 | Stabilization | 12⅛"screwed-on/built-in | | | |
| 17 | Manufacturer / Model | From the manufacturers as specified in SOW | | | |

**Notes:**

a) Match on sub have to be provided by the Contractor in case of proprietary connection for fishing and other jobs along with the lifting sub. In case of non-standard tubular, Contractor has to provide overshoot tool for fishing job.

b) In case of proprietary connection, all cross over sub have to be provided by the Contractor to match OIL's string.

c) System should be able to drill cement, float collar, float shoe and formation.

**1.5. SPECIFICATION OF 9½" / 9⅝" STEERABLE DOWNHOLE MUD MOTOR (SDMM) FOR 17½" HOLE**

| MOTOR FEATURES | OIL'S REQUIREMENT | BIDDER'S OFFER | REF: FILE & PAGE NO. BY BIDDER |
|---|---|---|---|
| Type | High Torque, Low to Medium Speed, Stabilized, Multi-lobe, Multistage Positive displacement Mud Motor | | |
| Flow Range in GPM | Min. Flow Rate: 600 GPM. | | |
| | Max. Flow Rate: 1150 GPM or more. | | |
| AKO/ABH Range (Min. Achievable) | 0° - 2° or more | | |
| Bit speed ( Free Running/ No Load ) | Not less than 65 to 135 RPM or more. | | |
| Type | Steerable with Adjustable Kick off sub/Adjustable Bend Housing | | |
| Bearing type | Mud Lube or Oil sealed | | |
| Length (Maximum) | 25 - 37 feet | | |
| Type of Connection | 6⅝" / 7⅝" API Regular Box down and 6⅝" /7⅝" API Reg. Box Up. Or any other proprietary connection of the bidder for their entire BHA. | | |
| Lifting Sub | 6⅝" / 7⅝" API Reg. | | |
| Max Operating Differential Pressure (Psi) | 600 PSI or more | | |
| Power Output | 280 HP minimum | | |
| Torque Operating | 15000 NM minimum | | |
| DLS Maximum Achievable | 4° / 100′ or more | | |
| Pass Through DLS: | | | |
| Sliding | 4° / 100′ or more | | |
| Rotary | 4° / 100′ or more | | |
| Stabilization | 17⅜" screwed-on/built-in | | |
| Manufacturer / Model | From the manufacturers as specified in Clause 7 under Section – II. | | |

**Note:**

a) Match on sub have to be provided by the bidder in case of proprietary connection for fishing and other job along with the lifting sub. In case of non-standard tubular, bidder has to provide overshoot tool for fishing job.
b) In case of proprietary connection, all cross over sub have to be provided by the bidder to match OIL's string.
c) System should be able to drill cement, float collar, float shoe and formation.
d) Additional features/information (if any) is to be provided by the bidder.

**ANNEXURE-O**

**1.1.SPECIFICATION OF ROTARY STEERABLE SYSTEM SUITABLE FOR DRILLING 12¼" HOLE**

| FEATURES | OIL'S REQUIREMENT | BIDDER'S OFFER | REF: FILE & PAGE NO. BY BIDDER |
|---|---|---|---|
| Flow Range in GPM | Min. Flow Rate: 600 GPM<br>Max. Flow Rate: 1000 GPM or more. | | |
| Nominal OD | 8.0" to 9.625" | | |
| Near Bit Inclination | 5 M or less | | |
| Azimuthal Gamma measurement from bit | 6 M or less | | |
| Max Operating Temp. | 120° C or more | | |
| Max Operating Pressure (Psi) | 18000 PSI or more | | |
| Type of Connection | 6⅝" API Regular Box down and 6⅝" API Reg. Box Up. Or any other proprietary connection of the bidder for their entire BHA. | | |
| Lifting Sub | 6⅝" API Reg. | | |
| DLS Maximum Achievable | 5° / 30M or more. | | |
| Min. Circulating Hrs. | 150 or more. | | |
| Lost Circulation Material (Max Size & Concentration) | 40 ppb or more of medium to fine nut. | | |

| | | | |
|---|---|---|---|
| Manufacturer / Model | From the Manufacturers as specified in NIT. Model Quoted Should be Latest and Best in Class | | |

- Should be capable of kick off from vertical well.
- System should be capable of building, holding, and dropping well angle and should be capable of simultaneously changing azimuth in continuously rotating for optimum drilling performance and have capability for back reaming, if required.
- System should have features of automated close loop deviation control system (i.e. it should have automated directional and inclinational hold control)
- System should have two way communication system i.e., real time up link and down link facility for data transmission and for sending command to the bottom hole tools with mud pulse telemetry.
- Type of down linking facility to be provided by bidder either by a separate skid mounted unit or by flow rate change of mud pumps.
- Match on sub have to be provided by the bidder in case of proprietary connection for fishing and other job along with the lifting sub. In case of non-standard tubular, bidder has to provide overshoot tool for fishing job.
- In case of proprietary connection, all cross over sub have to be provided by the bidder to match OIL's string.
- All stabilizers must be 4 slight spirals integral and sufficient bladed length of double tapered at both leading and trailing ends and should have sufficient opening / annular clearance with taper blade on stabilizer body.
- System should be able to drill cement, float collar, float shoe and formation.

Additional features/information (if any) is to be provided by the bidder.

**1.2. SPECIFICATION OF ROTARY STEERABLE SYSTEM SUITABLE FOR DRILLING 8½" HOLE**

| FEATURES | OIL'S REQUIREMENT | BIDDER'S OFFER | REF: FILE & PAGE NO. BY BIDDER |
|---|---|---|---|
| Flow Range in GPM | Min. Flow Rate: 350 GPM<br>Max. Flow Rate: 600 GPM or more. | | |
| Nominal OD | 6-3/4" / 6-1/2" | | |
| Near Bit Inclination | 4 M or less | | |
| Azimuthal Gamma measurement from bit | 6 M or less | | |
| Max Operating Temp. | 120° C or more | | |
| Max Operating Pressure (Psi) | 18000 PSI or more | | |
| Type of Connection | 4 ½" API Reg Box down and 4 ½" API IF Box Up Or any other proprietary connection of the bidder for their entire BHA. | | |
| Lifting Sub | 4 ½" API IF | | |
| DLS Maximum Achievable | 5° / 30M or more. | | |
| Minimum Circulating Hrs. | 150 or more. | | |
| Lost Circulation Material (Max Size & Concentration) | 40 ppb or more of medium to fine nut. | | |
| Manufacturer / Model | From the manufacturers specified in NIT. | | |

- Should be capable of kick off from vertical well.
- System should be capable of building, holding, and dropping well angle and should be capable of simultaneously changing azimuth in continuously rotating for optimum drilling performance and have capability for back reaming, if required.
- System should have features of automated close loop deviation control system (i.e. it should have automated directional and inclinational hold control)
- System should have two way communication system i.e., real time up link and down link facility for data transmission and for sending command to the bottom hole tools with mud pulse telemetry.
- Type of down linking facility to be provided by bidder either by a separate skid mounted unit or by flow rate change of mud pumps.
- Match on sub have to be provided by the bidder in case of proprietary connection for fishing and other job along with the lifting sub. In case of non-standard tubular, bidder has to provide overshoot tool for fishing job.
- In case of proprietary connection, all cross over sub have to be provided by the bidder to match OIL's string.
- All stabilizers must be 4 slight spirals integral and sufficient bladed length of double tapered at both leading and trailing ends and should have sufficient opening / annular clearance with taper blade on stabilizer body.
- System should be able to drill cement, float collar, float shoe and formation.

Additional features/information (if any) is to be provided by the bidder.

## 1.3. SPECIFICATION OF ROTARY STEERABLE SYSTEM SUITABLE FOR DRILLING 6" HOLE

| Features | OIL's Requirement | BIDDER'S OFFER | REF: FILE & PAGE NO. BY BIDDER |
|---|---|---|---|
| Flow range in GPM | Min flow rate: 150 GPM | | |
| | Max flow rate: *250* GPM or more | | |
| Nominal OD | 5" or less | | |
| Near bit inclination | 3 M or less | | |
| Gamma measurement from bit | 9M or less | | |
| Max operating Temp | 120° C or more | | |
| Max operating Pressure (PSI) | 18000 PSI or more | | |
| Type of connection | 3.1/2" API Reg Box down and 3.1/2" API IF Box or any other proprietary connection of the Contractor for their entire BHA. | | |
| Lifting Sub | 3.1/2" API IF | | |
| DLS Maximum Achievable | 8° / 30 M or more | | |
| Minimum Circulating Hrs. | 150 or more | | |
| Lost Circulation Material (Max Size & Connection) | 40 ppb or more of medium to fine nut | | |
| Manufacturer / Model | From the manufacturers specified in NIT. | | |

- Should be capable of kick off from vertical well.
- System should be capable of building, holding, and dropping well angle and should be capable of simultaneously changing azimuth in continuously rotating for optimum drilling performance and have capability for back reaming, if required.
- System should have features of automated close loop deviation control system (i.e. it should have automated directional and inclinational hold control)
- System should have two-way communication system i.e., real time up link and down link facility for data transmission and for sending command to the bottom hole tools with mud pulse telemetry.
- Type of down linking facility to be provided by Contractor either by a separate skid mounted unit or by flow rate change of mud pumps.
- Match on sub have to be provided by the Contractor in case of proprietary connection for fishing and other job along with the lifting sub. In case non-standard tubular, Contractor has to provide overshot tool for fishing job.
- In case of proprietary connection, all cross over sub have to be provided by the Contractor to match OIL's string.
- All stabilizers must be 4/3 slight spirals integral and sufficient bladed length of double tapered at both leading and trailing ends and should have sufficient opening / annular clearance with taper blade on stabilizer body.
- System should be able to drill cement, float collar, float shoe and formation. However, any failure on bottom within 24 Hrs from start of cement cleaning, float collar & Shoe will not be attributable to the Contractor.

**ANNEXURE-P**

**DELIVERABLES FOR TOOLS MENTIONED ABOVE**

| Sl No. | Equipment \| Services | Real Time Output | Recorded mode Output after each round trip | Processed Output (after completion of a hole section) |
|---|---|---|---|---|
| 1 | MWD/LWD Surface Unit | | | |
| 1.1 | Delivery Time | Real-Time while Drilling/Tripping | Within 24 hrs of round trip | Within 3 days of completion of Hole Section |
| 1.2 | Deliverables | • RT Log Prints in Morning and Evening to concerned OIL Representatives (1:200 & 1:500 TVD and MD) (Through mail) | • Rush Print Recorded Mode Log Prints to OIL Representatives.(1 :200 & 1:500 TVD and MD) (1Copy each) | • Detailed Well Section report on Logging BHA design, Bit details, parameters maintained with brief section summary<br>• QC'd Recorded Mode Log Prints<br>• 02 Copies each to concerned OIL representatives.<br>• Services of: 1:1000 MD Log 1:200 & 1:500 TVD and MD<br>• LAS/DLIS and PDS/ PDF format<br>• 2 x DVD containing Section Archive |
| 2 | Data Transmissio n system | Real time logging data transmission from Surface Unit to Client office in Town as per SOW | NIL | NIL |
| 3 | Directional, GR, Resistivity (Induction type) | • Average GR – 0 - 250 API<br>• Phase Shift resistivity – Minimum 3 Curves<br>• Attenuation Resistivity – Minimum 1 Curve (Resistivity Curves to be transmitted after prior discussion with Company)<br>• MWD Surveys Tool Face Continuous Inclination and | • Average GR – 0 - 250 API<br>• Phase Shift resistivity- Minimum 4 Curves<br>• Attenuation Resistivity – Minimum 4 Curves<br>• Time after Bit Sliding Indicator<br>• All resistivity curves should be borehole compensated and environmentally | • QC'd Recorded Mode Log prints<br>• Composite Log Prints<br>• Average GR – 0 -250 API<br>• Minimum 2 or more depth of investigation.<br>• Time after Bit sliding indicator.<br>• Survey report in Excel sheet<br>• All raw channels also required to carryout independent |

| Sl No. | Equipment \| Services | Real Time Output | Recorded mode Output after each round trip | Processed Output (after completion of a hole section) |
|---|---|---|---|---|
| | | Azimuth while sliding and rotating.<br>• Collar RPM (can also be provided from other tool)<br>• Real-time data at 1 data points/ft or better<br>• Real time vibration log data | corrected.<br>• Survey Report – Excel Sheet | environment corrections on GR and Resistivity should also be provided.<br>• All data to be submitted both in hardcopy as well as in DVD mode to concerned OIL representatives |
| 4 | Neutron, Azimuthal Density with imaging & Caliper | • Quadrant Density-Minimum Top and Bottom Density transmitted in real-time ("bottom" density in case of a deviated borehole)<br>• Quadrant Density Correction<br>• Caliper (Ultrasonic/Density)<br>• PEF – 0- 10<br>• Thermal Neutron Porosity - environmentally-corrected log curves on-depth<br>• 16 Sector Density Image<br>• **Real-time data at 1 data points/ft or better** | Field Deliverable recorded mode data consisting of the following :-<br>• Quadrant Density<br>• Quadrant Density Correction<br>• Caliper (Ultrasonic/Density)<br>• PEF – 0- 10<br>• Thermal Neutron Porosity - environmentally corrected log curves on-depth<br>• Time after Bit Sliding indicator<br>• 16 Sector Static Density Image | QC'ed Recorded mode Data :-<br>• Composite report<br>• Quadrant Density<br>• Quadrant Density Correction<br>• Caliper (Ultrasonic/Density)<br>• PEF – 0- 10<br>• Thermal Neutron Porosity - environmentally corrected log curves on-depth<br>• Time after Bit Sliding indicator<br>• 16 Sector Static Density Image<br>• QC'ed Image Derived Density: Density of the sector where tool is in contact with the borehole, should be provided.<br>• All raw channels also required to carry out independent environmental corrections on Density and Neutron should also be provided. |

| Sl No. | Equipment \| Services | Real Time Output | Recorded mode Output after each round trip | Processed Output (after completion of a hole section) |
|---|---|---|---|---|
| | | | | • All raw Channels required to create Density Image independently should also be provided.<br>• Raw Near and far Counts Corrected near and far counts ofneutron should also be provided<br>• One copy of LAS/DLIS is also to be provided |
| 5 | Annulus Pressure and Annulus Temperature While Drilling | • ECD<br>• Annulus Pressure<br>• Annulus Temperature<br>• RT time based log of Annulus Pressure and temperature along with other drilling parameters | • Drilling Mechanics Log of ECD,MW, Annulus Pressure and Temperature along with other drilling parameters | • Drilling Mechanics Log of ECD,MW, Annulus Pressure and Temperature along with other drilling parameters |
| 6 | Sonic While Drilling | ***Deleted*** | | |
| 7 | Formation Pressure While Drilling | • Pressure Vs Time Profile – RT<br>• Pressure vs Depth Plot – RT<br>• Pre-test Results: Pressure, Mobility<br>• Summary of all the tests in Excel Sheet | • Pressure Vs Time Profile – Recorded Mode<br>• Pressure vs Depth Plot - Recorded Mode<br>• QC'ed Pretest Results:<br>• Pressure, Mobility and QC components<br>• Excel Sheet Summary of all the tests | Composite Report of all hole sections consisting of :-<br>• Pressure Vs Time Profile – Recorded Mode<br>• Pressure vs Depth Plot - Recorded Mode<br>• QC'ed Pre-test Results: Pressure Mobility and QC components<br>• Excel Sheet Summary of all the tests |

| Sl No. | Equipment ⎪Services | Real Time Output | Recorded mode Output after each round trip | Processed Output (after completion of a hole section) |
|---|---|---|---|---|
| | | | | • Interpretation Report with Pressure Gradient, Mobility |
| 8 | Nuclear Magnetic Resonance | ***Deleted*** | | |

**Note:**

1. All x-over subs required for connection contractor's string to operator's drill string is to be provided and furnished by the CONTRACTOR.
2. In case the contractor provides retrievable RA sources, assembly should have the suitable ID to retrieve the sources if any.
3. Additional features/information (if any) is to be provided by the bidder.

**ANNEXURE-Q**

**PROFORMA FOR CURRICULUM VITAE OF COMPETENT OFFICIALS**

Affix a Passport Size Photograph

1. NAME :
2. PRESENTADDRESS :
3. PERMANENTADDRESS
4. FATHER'SNAME :
5. NATIONALITY :
6. PASSPORT NO. AND VALIDITY :
   (IN CASE OF NRI/FOREIGNER) :
7. DATE OF BIRTH :
8. DESIGNATED POST :
9. NAME OF THE REPLACED OFFICIAL (IF APPLICABLE):
10. EDUCATIONALQUALIFICATION :

| Sl. No. | Exam Passed | Institute | Board\|University\|Council\|Others | Grade \|% |
|---|---|---|---|---|
| | | | | |
| | | | | |

11. HSE TRAININGS (If any) :
12. SEPCIFIC EXPERIENCE (If any) :
13. EXPERIENCE IN REVERSE ORDER**:** EXPERIENCE IN LAST THREE YEARS

| Sl. No. | Year | Name of the Company (Employer) | Name of Client\| Company | Name of Project and Service Provided | Job Description | Key Job Responsibility | Period of Service | Type of wells drilled | Well Depth (MWD) | No. of wells drilled |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| | | | | | | | | | | |

**SIGNATURE OF THE BIDDER** **SIGNATURE OF THE CANDIDATE**

**N.B**:

1. To add row if necessary
2. To be submitted in "A-4" or Executive Bond Paper, duly typed and signed
3. All supporting documents to be enclosed and Annexure shall be attached where necessary
4. If Company desires, original certificate to be furnished at the time of 1st deployment
5. Attach copies of following documents:
   - Identity Proof
   - Date of Birth Proof
   - Proof of educational qualification
   - Proof of Experience
   - Medical Fitness Certificate in Form 'O' (as per the Mines Act 1952).

**ANNEXURE-R**

**Documentary Evidence for HSE Criteria**

**1. LTIF for last Three years**

| Sl. No. | Contract No | Name & Contact details of client | Place of Operation | Contract Period | | LTIF | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Commencement | Completion | 1st | 2nd | 3rd |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |

2. **Details of HSE Policy** :

a) _____

b) _____

c) _____

[N.B: Please add rows as required]

Signature of Authorized Signatory Name:

Designation :

Phone No :

Place :

Date :

**Note:** A lost time injury (LTI) will occur when a person is injured in the execution of his/her duties and as a result of this injury is unable to perform his/her regular duties for one full shift or more on the day following day which the injury was incurred. Note: Regular duties are those duties associated with the job description of the injured. Lost time injury frequency rate shall be calculated as illustrated below:

**Required Data**:

(i) No of accident for the year of calculation

(ii) No of injury for the above accidents

(iii) Total Mandays loss due to accident= X

(iv) Total Sick leave/unproductive Mandays= Y

A = Million Man-hrs worked

= No of employees * No of days * duty hour per day * $10^{-6}$

B = Million Man-hrs loss due to sick leave and accident (non-productive hrs)

= (total sick leave + total Mandays loss due to accident) * duty hour per day x $10^{-6}$

= (X + Y) * duty hour per day * $10^{-6}$

**Actual man-hour worked (C)**

C = [Total Million Man-hrs worked] – [Million Man-hrs Loss due to sick leave and accident (non-productive hrs)]

=A - B

**LTIF Rate** = $\frac{\text{No of Injury}}{\text{Actual MMH worked}}$

**PROFORMA - Z**

**PROFORMA UNDERTAKING FOR CONFIRMATION ON SERVICES UNDER IDS-3**

**(On bidder's Letter head)**

We confirm categorically to provide all Regular and Callout Services along with all necessary equipment, tools, personnel, software, hardware and supply of consumables to carry out operations as per the contract under Integrated Drilling Service-3 (IDS-3) which includes the following services:

| **BRIEF DESCRIPTION OF SERVICES** | | | | | |
|---|---|---|---|---|---|
| **Sl. No.** | **SUPPORT SERVICES** | **CATEGORY** | **BRIEF DESCRIPTION** | **PRE-TENDER TIE-UP** | **CONFIRMATION OF BIDDER** |
| 1 | Deployment of IDS Coordinator | REGULAR | Hiring Service of one qualified and experienced IDS Coordinator for managing the IDS-3 Contract. | NOT ALLOWED | |
| 2 | Directional Drilling Services | REGULAR | Directional Drilling with RSS-Mud Motor-LWD/MWD-Jar-Intensifier services along with crew | NOT ALLOWED | |
| 3 | Mud Engineering Service | REGULAR | Supply of Mud Chemicals, Additives and Mud Engineers | ALLOWED | |
| 4 | Liner Hanger Services | CALL OUT | Liner Hanger equipment along with all consumables and personnel | ALLOWED | |
| 5 | Under Reaming Services | CALL OUT | Under Reaming equipment along with all consumables and personnel | ALLOWED | |
| 6 | Fishing & Milling Services | CALL OUT | Fishing & Milling equipment along with all consumables and personnel | ALLOWED | |
| 7 | Casing-Torque and Turn Services | CALL OUT | Casing-Torque and Turn along with all consumables and personnel | ALLOWED | |
| 8 | Post Completion Consultancy Services | CALL OUT | Consultancy Services Well Services | ALLOWED | |
| 9 | Supply of Drill Bits | CALL OUT | Supply of Drill Bits on Consignment basis | ALLOWED | |
| 10 | Completion Service including Supply of Consumables | CALL OUT | Service for Well Completion including supply of Tubing Head Spool and all other surface & sub-surface completion accessories. | ALLOWED | |
| 11 | Supply of optional drill bits | CALL OUT | Supply of optional drill bits | | |

**Authorized Person's Signature:** _____

**Name:** _____

**SEAL of the bidder:**

_____

**SPECIFICATION OF SOME CHEMICALS FOR INTEGRATED DRILLING SERVICE-3**

**SPECIFICATION OF SOME CHEMICALS FOR INTEGRATED DRILLING SERVICE-2**

**1. BARYTES:**

**1.1.** Physical Properties: The material as received shall be white/light greyish white/light pinkish white free flowing powder, free from dirt and foreign matter.

**1.2.** Specific Gravity of material: 4.15 as received, at 26 +/- 2 deg C minimum.

**1.3.** Fineness:

(a) Wet Screen Analysis - Passing through 75-micron sieve, (ISS 6/BSS 200/ASTM 200), %by mass, minimum: 97.00

(b) Passing through 53-micron sieve, (ISS 5/ BSS 300/ASTM 270, % by mass: 90 +/-5

**1.4.** Insoluble Minus Silica % by mass, minimum. : 90.00

**1.5.** Water Soluble Content: 0.02% by mass, maximum.

**1.6.** Performance Test: Prepare a Bentonite suspension by mixing 7.5 gm of OIL / API approved Bentonite per 100 ml distilled water, Stir the suspension in a multimixer for 15 minutes so that no lumps are left in the suspension after the stirring period. Age the suspension for 24 hrs at 26 +/- 2 deg C. After the lapse of the aging period, adjust the apparent viscosity of the suspension in the range of 15-20 cps with distilled water if necessary. Load the suspension with the Barytes sample as received, to 1.60 sp. gravity weight and stir in multimixer for 10 minutes. Measure apparent viscosity of mud so prepared at 26 +/- 2 deg C. This should be as follows.

(a) Apparent Viscosity, cp, maximum: 60. [Apparent viscosity to be measured by a Fann VG meter.]

**1.7.** Packing: The material should be packed in brand new Double-Walled (DW) jute bags with single polythene lining or brand-new HDPE bags strong enough to with stand rigorous of transit and storage. Capacity: 50 Kilogram (new) per bag.

**1.8.** Markings: Each bag should have clear legible markings as given below:

(a) Name of the product.

(b) Name of the supplier/manufacturer.

(c) Date/Month/Year of manufacture.

**2. SODIUM HYDROXIDE (CAUSTIC SODA)**

**2.1.** Physical properties: The material, as received, should be in the form of flakes and should be free from dirt and foreign matter.

**2.2.** Purity as NaOH, as received, 95.00 % by mass, minimum.

**2.3.** Packing: The material should be packed in moisture proof HDPE bag with an insert of 300-gauge polythene bag and strong enough to with stand rigors of transit and storage.

**2.4.** The material should be supplied in the original packing of manufacturer. Capacity 25 kgs / 50 kgs net per bag.

**2.5.** Marking: Each bag should have clear legible markings as given below:

(a) Name of the product.

(b) Name of the supplier.

(c) Date/month/year of manufacture.

(d) Supply order number against which the supply is made.

**3. CLAY ENCAPSULATING/VISCOSIFYING AGENT :**

**PHPA (PARTIALLY HYDROLYSED POLYACRYL AMIDE)**

**3.1.** Physical Properties: The material, as received, should be a free-flowing white powder free from lumps and other impurities.

**3.2.** Moisture Content, measured by drying at 105 +/- 2 deg C, % by mass, maximum: 7.00

**3.3.** Ionic character: Anionic

**3.4.** Relative CST value (capillary suction test)

(a) At 0.1% (w/v) polymer conc., min: 100

(b) At 0.2% (w/v) polymer conc., min: 200

**3.5.** Relative dispersibility at 0.2% (w/v) polymer conc. at 60+/- 5 deg C., max. : 175

**3.6.** Degree of hydrolysis: 20-40% (electrometric titration)

**3.7.** Apparent viscosity of 0.2% (w/v) polymer solution in distilled water.

(a) At 26 +/- 2 deg C, cp, and minimum: 9

(b) After aging at 110 deg C for 18 hrs.: Should not decrease more than 20% of (i)

**3.8.** Effect on 4 cp bentonite suspension: Prepare a 7.5% (w/v) bentonite suspension in distilled water and stir in a multimixer for 15 minutes so that no lumps are left after the stirring period. Age the suspension at 26 +/- 2 deg C for 24 hrs. Prepare a 4 cp bentonite suspension from it by dilution with distilled water. Add to it 0.2% (w/v) of powdered PHPA sample and stir for 30 minutes in multimixer. Adjust pH of the suspension to 9.0 using caustic soda solution. Measure apparent viscosity at 26 +/- 2 deg C.

(a) Apparent viscosity should be 15 cp minimum Age the suspension at 110 deg C for 24 hrs in rolling condition. After the ageing period cool and stir for 15 minutes in multimixer. Measure apparent viscosity of the suspension at 26 +/- 2 deg C.

(b) Decrease of apparent viscosity 20% max. of 8(i).

**3.9.** Calcium tolerance: Prepare a 0.4% (w/v) suspension of the PHPA sample in distilled water by stirring in a multimixer for 15 min.

(a) Record apparent viscosity of the PHPA solution. Prepare again a 0.4% (w/v) suspension of the PHPA sample in 100 ppm Calcium solution by mixing in a multimixer. Measure apparent viscosity of the solution.

(b) Apparent viscosity should be 60% minimum of 9(i)

**3.10.** Packing:

(a) The material should be packed in multiwall paper bags with at least two innermost layers suitably waterproofed, strong enough to with stand rigours of transit and storage. Capacity 25 Kgs net per bag.

(b) PELLETIZATION:-If supply is from foreign source, the supply should be in suitably pelletized forms.

**3.11.** Markings - Each bag should have clear legible markings as given below :

(a) Name of the product

(b) Name of the supplier

(c) Date/month/year of manufacture

(d) Supply order number against which the supply is made.

**4. FLUID LOSS CONTROL / VISCOSIFIER / ENCAPSULATING AGENT**

**"POLYANIONIC CELLULOSE REGULAR GRADE (PAC-R)"**

**4.1.** Physical Properties: The material, as received, should be a free flowing white to creamish / brownish white powder free from foreign matter and visible impurities.

**4.2.** Moisture Content at 105 +/- 2 Deg C, % by mass, maximum: 15.00.

**4.3.** Apparent viscosity of 1.0 % (w/v) suspension of the material as received in fresh water and 4 % salt water, Prepare a 1 % (w/v) suspension of the sample by stirring in multimixer for 30 minutes in distilled water and 4 % salt water (prepared by dissolving 4 gms of LR grade NaCl in 100 ml distilled water) and measure apparent viscosity at 26 +/- 2 Deg C by Fann VG meter.

(a) Apparent viscosity in fresh water, cp : 75-100

(b) Apparent viscosity in salt water, cp : 65-85

**4.4.** Yield of 15 cp Apparent viscosity suspension: Prepare a 15 cp apparent viscosity suspension of the sample by stirring in a multimixer for 30 minutes in distilled water and 4 % salt water (prepared by dissolving 4 gms of LR grade NaCl in 100ml distilled water) and calculate the yield of the sample which should be as follows:

(a) Yield in distilled water, KL/MT, min.: 250

(b) Yield in 4 % saltwater KL/MT, min.: 200

**4.5.** Sodium Carboxy Methyl Cellulose Content, % by mass (dry basis) min: 85.00.

**4.6.** Degree of Substitution, minimum: 1.00

**4.7.** Performance Test:

**(A) IN FRESH WATER MUD**

(a) **PREPARATION OF BASE MUD**:

Prepare a 10 % (w/v) suspension of OIL approved bentonite in distilled water and stir the suspension for 15 minutes in a multimixer so that no lumps are left after the stirring

period. Age the bentonite suspension for 72 Hrs. at 90 +/- 2 Deg C. After the lapse of the aging period, cool and adjust apparent viscosity in the range 15-20 cp with distilled water. Also adjust pH in the range 9.0-9.5 with 10 % NaOH solution, if necessary. Stir the suspension for 15 minutes in multimixer and determine apparent viscosity, yield value and API fluid loss of the suspension at 26 +/- 2 Deg C which should be as follows:

(i) Apparent viscosity, cp: 15 - 20 cp.

(ii) Yield value, lbs/100 ftsq: To determine

(iii) API fluid loss, ml: To determine

(b) **PREPARATION OF TREATED MUD**:

Treat the base 4.7(A)(a) with 0.5% polyanionic cellulose (R) sample. Stir in a multimixer for 30 minutes and divide the mud into two parts.

**Performance at 26 +/- 2 Deg C** :

Measure apparent viscosity, yield value and API fluid loss of one part of treated mud 7A (ii) at 26 +/- 2 Deg C which should be as follows.

(i) Apparent viscosity, cp minimum. : 4 times of 4.7A (a.i)

(ii) Yield value, lb/100 ftsq. minimum : 4 times of 4.7A (b,i)

(iii) API fluid loss, ml maximum. : 40 % of 4.7A (c,i)

**Performance at 120 +/- 2 Deg C** :

Age second part of treated mud 4.7(A)(a) at 120 +/- 2 Deg C in rolling condition for 24 hrs. After aging, cool to 26 +/- 2DegC and stir in a multimixer for 15 minutes and determine apparent viscosity,

Yield value and API fluid loss of the mud at 26 +/- 2 Deg C which should be as follows:

(i) Apparent viscosity, cp minimum. : 3 times of 4.7A (a.i)

(ii) Yield value, lb/100 sq.ft minimum. : 3 times of 4.7A (b.i)

(iii) API fluid loss, ml, maximum. : 40 % of 4.7A (c.i)

**(B) IN SALT- WATER MUD:**

(a) **PREPARATION OF BASE MUD**:

Prepare 10 % (w/v) bentonite suspension of OIL approved bentonite in distilled water and stir the suspension for 15 minutes in a multimixer so that no lumps are left after the stirring period. Age the suspension for 72 hrs at 90 +/- 2 Deg C After the lapse of aging period, cool and add 4% (w/v) NaCl (LR grade) and age for 24 hrs. at 26 +/- 2 Deg C. Dilute the suspension with 4 % Nacl solution and adjust apparent viscosity in the range 15-20 cp. Adjust pH in the range 9.0-9.5 with 10 % NaOH solution if necessary. Determine apparent viscosity, yield value and API fluid loss of the suspension at 26 +/- 2 Deg C which should be as follows:

(i) Apparent viscosity, cp: 15 - 20

(ii) Yield value, lbs/100 ftsq. : To determine

(iii) API fluid loss, ml: To determine

Treat the base mud prepared as per the B(a) with 0.5%(w/v) polyanionic cellulose (R) sample and stir in a multi-mixer for 30 minutes.

Performance at 26 +/- 2 Deg C.

Determine apparent viscosity, yield value and API fluid loss of mud 4.7B (a) above at 26 +/- 2 Deg C which should be as follows:

(i) Apparent viscosity, cp minimum. : 2 times of 4.7B (a.i)

(ii) Yield value, lb/100 ftsq minimum. : 1.5 times of 4.7B(b.i)

(iii) API fluid loss, ml maximum: 15 % of 4.7B(c.i)

**4.8.** Packing:

(a) The material should be packed in multi-walled paper bags with at least two innermost layers suitably water-proofed, strong enough to withstand rigours of transit and storage. The material should be supplied in the original packing of the manufacture. Capacity 25 Kg net per bag.

(b) PELLETIZATION:-If supply is from foreign source, the supply should be in suitably pelletized forms.

**4.9.** Marking: Each bag should have clearly legible markings as given below:

(a) Name of the product.

(b) Name of the supplier / manufacturer.

(c) Date/Month/Year of manufacture.

(d) Supply order number against the supply made.

**Note**

(i) Apparent viscosity and yield point shall be determined in a Fann VG meter and fluid loss by standard API low pressure fluid loss apparatus using compressed air or nitrogen as the pressure source.

(ii) The Supplied Materials must meet OIL's specifications in all respect.

**5. FLUID LOSS CONTROL AGENT**

**POLYANIONIC CELLULOSE - SUPERLO GRADE (PAC-SL)**

**5.1.** Physical Properties: The material, as received, should be a free flowing white to creamish/brownish white powder free from foreign matter and visible impurities.

**5.2.** Moisture content, measured by drying deg C, % by mass, maximum. : 15.00 at 105+/- 2

**5.3.** Apparent viscosity of 1.0% (w/v) suspension of the material, as received, in fresh water and 4% salt water:

Prepare a 1% (w/v) suspension of the sample by stirring in a multimixer for 30 minutes in distilled water and 4% salt water (prepared by dissolving 4 gms of LR grade NaCl in 100 ml distilled water) and measure the apparent viscosity at 26+/- 2 deg C by a Fann VG meter.

(a) Apparent viscosity in fresh water, cp, max.: 20

(b) Apparent viscosity in salt water, cp, max.: 16

**5.4.** Yield of 15 cp apparent viscosity suspension:

Prepare a 15 cp apparent viscosity suspension of the sample by stirring in a multimixer for 30 minutes in distilled water and 4% salt water (prepared by dissolving 4 gms of LR rade NaCl in 100 ml distilled water) and calculate the yield of the sample which should be as follows :

(a) Yield in distilled water, KL/MT, minimum: 100

(b) Yield in 4% salt water, KL/MT, minimum : 80

**5.5.** Sodium carboxymethyl cellulose content, on dry basis, % by mass, (on dry basis), minimum: 85.00

**5.6.** Degree of substitution, minimum: 1.00

**5.7.** Performance test:

**(A) IN FRESH WATER MUD**

(a) **PREPARATION OF BASE MUD:**

Prepare a 10.0% (w/v) suspension of OIL approved bentonite in distilled water and stir the suspension for 15 minutes in multimixer so that no lumps are left after the stirring period. Age the suspension for 72 hrs at 90+/-2 deg C. After the lapse of the aging period, cool and adjust apparent viscosity in the range of 15-20 cp with distilled water. Also adjust pH in the range of 9.0-9.5 with 10% NaOH solution, if necessary. Stir the suspension for 15 minutes in multimixer and determine apparent viscosity, yield value and API fluid loss of the suspension at 26+/-2 deg C which should be as follows.

(i) Apparent viscosity, cp : 15-20

(ii) Yield value, lbs/100 ftsq : To determine

(iii) API fluid loss, ml : To determine

(b) **PREPARATION OF TREATED MUD:**

Treat the base mud 5.7.A(a) with 0.5% (w/v) polyanionic cellulose (superlo grade) sample. Stir in a multimixer for 30 minutes and divide the mud into two parts.

**Performance at 26+/- 2 deg C**

Measure apparent viscosity, yield value and API fluid loss of one part of the treated mud 7A(ii) at 26+/-2 deg C which should be as follows.

(i) Apparent viscosity, cp, max. : 2.5 times of 5.7A (a.i)

(ii) Yield value, lbs/100ftsq, max. : 1.5 times of 5.7A (b.i)

(iii) API fluid loss, ml, max. : 50% of 5.7A (c.i)

**Performance at 120+/-2 deg C**

Age second part of the treated mud A (a) at 120 +/-2 degC in rolling condition for 24 hrs. After aging, cool to 26+/-2 degC and stir in a multimixer for 15 minutes and determine apparent viscosity, yield value and API fluid loss of the mud at 26+/-2 deg C which should be as follows:

(i) Apparent viscosity, cp, max. : 1.5 times of 5.7A (a.i)

(ii) Yield value, lbs/100ftsq.max : 1.5 times of 5.7A (b.i)

(iii) API fluid loss, ml, max. : 35% of 5.7A (c.i)

**(B) IN SALT-WATER MUD**

(a) **PREPARATION OF BASE MUD:**

Prepare a 105% (w/v) suspension of OIL approved bentonite in distilled water and stir the suspension for 15 minutes in multimixer so that no lumps are left after the stirring period. Age the suspension for 72 hrs at 90+/-2 deg C. After the lapse of the aging period, cool and add 4% NaCl (w/v) (LR grade) and age for 24 hrs. at 26+/-2 deg C. Dilute the suspension with 4% NaCl solution and adjust apparent viscosity in the range 15-20 cp. Adjust PH in the range 9.0 - 9.5 with 10% NaOH solution, if necessary. Determine apparent viscosity, yield value and API fluid loss of the suspension at 26+/-2 deg C which should be as follows.

(i) Apparent viscosity, cp: 15 - 20

(ii) Yield value, lbs/100 ftsq: To determine

(iii) API fluid loss, ml: To determine

Treat the base mud prepared as per 5.7B(a) with 0.5% (w/v) of polyanionic cellulose (superlo grade) sample and stir for 30 minutes in a multimixer.

**Performance at 26+/-2 deg C**

Determine apparent viscosity, yield value and API fluid loss of the treated mud B(ii) at 26+/-2 degC which should be as follows:

(i) Apparent viscosity, cp, min. : 2 times of 7B,ia

(ii) Yield value, lbs/100ftsq, min : 1.5 times of 7B,ib

(iii) API fluid loss, ml, max. : 15% of 7B, ic

**5.8. Packing:**

(a) The material should be packed in multiwalled paper bags with at least two innermost layers suitably waterproofed, strong enough to with stand rigours of transit and storage.

(b) PELLETIZATION:-If supply is from foreign source, the supply should be in suitably pelletized forms.

**5.9.** Each bag should have clear legible marking as given below :

(a) Name of the product

(b) Name of the supplier

(c) Date/month/year of manufacture

(d) Supply order number against which the supply is made.

**Note**

(i) Apparent viscosity will be measure by a Fan VG meter and API fluid loss will be measured in standard API fluid loss apparatus using compressed air or nitrogen as pressure source.

(ii) The Supplied Materials must meet OIL's specifications in all respect.

## 6. XC POLYMER- DISPERSIBLE (XCD)

**6.1.** Physical Properties: The material, as received, should be a free flowing white to creamish / brownish white powder free from foreign matter and visible impurities.

**6.2.** Moisture Content, measured by drying at 105 +/- 2 degC, % by mass, maximum: 15.00.

**6.3.** Dispersibility / Solubility Test: The material should be quickly and easily dispersible in water when sprayed in water taken in a breaker and should not remain floating. 1.00% (w/v) solution of the product in distilled water after mixing in multimixer for 30 minutes should give clean solution without turbidity.

**6.4.** Rheological properties:

Prepare a 0.5% (w/v) solution of the sample in distilled water containing 1% (w/v) NaCl (LR grade) by stirring in a multimixer for 30 minutes. Adjust pH of the solution in the range 8 - 9 by addition of 1N NaOH solution while stirring. Determine the rheological properties of the suspension at 26 +/- 2 deg C which should be as follows:

**6.5.** Apparent viscosity, cp : 15 - 25

**6.6.** "0" minute gel, lbs/100 ftsq, minimum: 8

**6.7.** "N" value at 200 & 100 rpm of Fann VG meter or equivalent, maximum.: 0.40

**6.8.** To 500 ml of distilled water, add 5 ml of 3% (w/v) solution of calcium chloride (fused and analar grade) and to this solution, add 0.5% (w/v) of the sample while stirring in a multimixer. Stir the suspension further for 30 minutes in a multimixer. To this add 2% (w/v) chrome alum powder (LR grade) and stir for additional 10 min. Adjust the PH in the range 8-9 by 1N NaOH solution while stirring. Determine the rheological properties of the suspension at 26 +/- 2 deg C which should be as under: Apparent viscosity, cp, minimum: 40

(a) Yield value, lbs/100 ftsq, minimum: 40

(b) "0" minute gel, lbs/100ftsq, minimum : 20

(c) "15" minute gel, lbs/100 ftsq, minimum : 100

**6.9.** Performance Test:

Prepare a 0.5% (w/v) solution of the sample in distilled water by stirring in a multimixer for 30 minutes. Adjust the pH to 8 - 9 with 1N NaOH solution. Add to it 3% of the OIL approved bentonite powder and stir for 30 minutes. Determine apparent viscosity; yield value and API fluid loss of the mud at 26 +/- 2 deg C.
Age the treated mud at 100 +/- 2 deg C for 18 hrs in rolling condition. Cool and stir for 15 minutes in a multimixer. Determine apparent viscosity, yield value and API fluid loss at 26 +/- 2 deg C which should be as under:

(a) Apparent viscosity, cp : should not decrease

(b) Yield value, lbs/100 ftsq : should not decrease

(c) API fluid loss, ml : should not increase

**6.10.** Temperature stability:

Prepare 0.5% (w/v) solution of the sample in saturated salt water (prepared by dissolving analar grade NaCl in distilled water) by stirring in a multimixer for 30 minutes. Adjust pH to 8 - 9 by 1N NaOH solution. Record apparent viscosity and yield value of suspension at 26 +/- 2 deg C.
Age the solution in a roller oven in rolling condition at 120 +/- 2 deg C for 18 hrs. Cool and stir for 5 minutes. Measure apparent viscosity and yield value of the solution at 26 +/- 2 deg C which should be as under:

(a) Apparent viscosity, cp : should not decrease

(b) Yield value, lbs/100 ftsq : should not decrease

**6.11.** Borate Sensitivity Test:

Prepare a 0.5% (w/v) solution of the sample in distilled water by stirring in a multimixer for 30 minutes. Add to it 5 ml of 20% (w/v) hot solution of borax and stir for 5 minutes. No stiff gel formation should take place.

**6.12.** Packing:

(a) The material should be packed in multiwalled paper bags with at least two innermost layers are suitably waterproofed strong enough to withstand rigours of transit and storage. Pack Size: 25KG net per bag.

(b) PELLETISATION:-If supply is from foreign source, the supply should be in suitably pelletized forms.

**6.13.** Markings:

Each bag should have clear legible markings as given below:

(a) Name of the product/brand name

(b) Name of the supplier/manufacturer (Name of manufacturer must be marked on the bags in case the product is not branded).

(c) Date/month/year of manufacture

(d) Supply order number against which the supply is made.

**Note**

(i) Apparent viscosity and yield value will be measured by a Fann VG meter or equivalent and API fluid loss will be measured in standard API fluid loss apparatus using compressed air or nitrogen as pressure source.

(ii) The Supplied Materials must meet OIL's specifications in all respect.

## 7. MICRONIZED CALCIUM CARBONATE

**7.1.** Physical State-Fine Powder free from dirt & foreign matter.

**7.2.** Water soluble content-0.35 %( by weight) max.

**7.3.** Specific gravity at 24+/-2degC -2.6(min).

**7.4.** Purity as Calcium Carbonate-96% by weight min.

**7.5.** Solubility in 15% wt/wt HCl-96% by weight min.

**7.6.** Particle size distribution % by volume as measured by light scattering technology- D10- < 4 micron; D50- 4-15 micron; D90-15-60 micron. Particle retain on 200 meshes ASTM- 2% by weight max.

**7.7.** Packing: Moisture proof HDPE/Jute bag with polythene inner lining (100 gauge) strong enough to withstand rigours of transit and storage, capacity 50 kg net per bag.

**7.8.** Marking: Each bag shall have clearly legible marking as given below:

(a) Name of Product

(b) Name of Supplier

(c) Date/Month/Year of manufacture

(d) Supply order number against which supplies are made

## 8. POLYAMINE

**8.1.** Physical Properties: The material as received shall be in the form of colourless/pale yellow liquid and shall be free from visible impurities. Should be determined visually.

**8.2.** Miscibility with Water at 24 ± 2 Deg C: Prepare a 2% (v/v) of the sample solution in distilled water, which gives a clear single-phase solution.

Miscibility with Water at 24 ± 2 Deg C should be completely miscible.

**8.3.** Miscibility with 3% KCL solution at 24 ± 2 Deg C:

Prepare a 2% (v/v) of the sample solution in 3%kcl solution, which gives a clear single-phase solution.
Miscibility with 3% KCL solution at 24 ± 2 Deg C should be completely miscible.

**8.4.** Specific Gravity at 24 ± 2 Deg C: It should be between 1.01-1.1.

**8.5.** Qualitatively determine Na+, K+ and Ca++ in 2%

CHS/Polyamine in distilled water: All three elements absent.

**8.6.** Chemical assay (Reinecke salt gravimetric method): < = 20.0 % By mass.

**8.7.** Swelling test: 2% (w/v) solution of the sample by Linear Swell Meter against Bentonite pellets compressed to 10,000 psi in a 2 hrs test: < =24.0 %.

**8.8. CLAY HYDRATION SUPPRESSION**

(a) **BASE MUD**

Take 450ml of distilled water and add 45 g of bentonite powder and stir the mixture in silverson High Shear mixture for 30 minutes at medium speed. Determine apparent viscosity at 24 +/- 2 degC which should be as follows.
**Specification**: Apparent Viscosity, cp: To determine.

(b) **TREATED MUD**:

Take 450ml of distilled water and add 45 g of bentonite powder, and stir the mixture in silverson High Shear mixture, and add 2% (w/v) of the sample and stir for 30 minutes at medium speed. Determine apparent viscosity at 24 +/- 2 degC which should be as follows.
Specification: Apparent Viscosity, cp: Should not be more than 15% of the base mud.

**8.9. METHYLENE BLUE CAPACITY**

(a) **BASE MUD**

Hydrate 20g/350ml bentonite in distilled water for 24 hours at room temperature. Take 2 ml of the slurry add 5ml of Distilled water and stir in mixer for 30 min. Record the methylene blue capacity with the help of methylene blue solution.
**Specification**: Methylene blue Capacity, ml: to determine

(b) **TREATED MUD**

Hydrate 20g/350ml bentonite in distilled water for 24 hours at room temperature. Take 2 ml of the slurry add 5ml of Distilled water, add 5ml of 2% amine solution in distilled water and stir in mixer for 30 min. Record the methylene blue capacity with the help of methylene blue solution (as mentioned in sub procedure Chem Lab/Mud/sub/MBC/06.

**Specification**: Methylene blue Capacity, ml: 65% (max) of bentonite slurry.

**8.10.** PACKING: The material should be packed in 200 Kg plastic Jar/Drum strong enough to withstand rigors of transportation and storage.

**8.11.** MARKING:

Each drum shall have clear legible marking as given below:

(a) Name of the product:

(b) Name of the supplier:

(c) Date/Month/ year of manufacture.

(d) Supply order number against which supplies are made

**9. POLYOL**

**POLYOL (LOW TEMPERATURE) HAVING FOLLOWING SPECIFICATIONS:**

**9.1.** Physical State: The material shall be in the form of liquid at 24 ±2 °C, free from visible impurities.

**9.2.** pH of 3% (v/v) Sample in 10% (w/v) KCl Solution in Distilled water : 6.0 - 7.5

**9.3.** Surface Tension of 3% (v/v) Sample in 10% (w/v) KCl Solution in Distilled Water, dynes / cm3. 40 ± 5

**9.4.** Hydroxyl Value, mg KOH / g of Sample: 170 – 210

**9.5.** Iodoform Test for Confirmation of Presence of alpha carbon in Sample: Should be Positive.

**9.6.** Performance Test:

(a) **PREPARATION OF BASE MUD:**

Prepare 10 - 15 cp Bentonite Suspension from pre-hydrated Bentonite Suspension [prepared by stirring 10% (w/v) Bentonite in Distilled Water for 30 minutes using a laboratory stirrer (5000 # 6000 rpm) and aged for 72 hours at 90 ± 2 °C] by diluting with Distilled Water and stirring in a Hamilton Beach Mixer for 20 minutes. Treat the prepared Bentonite Suspension with KCl (10% w/v) and age for 24 hours at 24 ± 2 °C. After that add PHPA (0.2% w/v) + PAC (Regular Grade) (0.5% w/v) + PAC (Low Viscosity Grade) (0.3% w/v) + KOH (pH 9.0 - 9.5), while stirring in a Hamilton Beach Mixer at high speed for 20 minutes.

(b) Hot roll the Base Mud at 100 °C for 18 hours in a roller oven. After aging cool the Mud to 24 ± 2 °C and stir in a Hamilton Beach Mixer for 20 minutes at high speed. Determine the Apparent Viscosity (cP) and the Yield Point (lbs/100 sq. ft) by Fann VG Meter or Equivalent. Also measure the Lubricity Coefficient, using a Lubricity Tester and HP-HT Filtration Loss (ml / 30 minutes) at 500 psi and 100 °C, using a HP-HT Filtration Apparatus. Record Apparent Viscosity, Yield Point, Lubricity Coefficient and HP-HT Filtration Loss of the hot rolled base mud.

(c) **Treat the Base Mud** with 3% (v/v) Sample in a Hamilton Beach Mixer stirring for 20 minutes. Hot roll the treated Base Mud at 100 °C for 18 hours in a roller oven. After aging cool the Mud to 24 ± 2 °C and stir in a Hamilton Beach Mixer for 20 minutes at high speed / medium speed. Determine Apparent Viscosity (cP), Yield Point (lbs/100 sq. ft), Lubricity Coefficient and HPHT Filtration Loss (ml / 30 minutes) at 500 psi and 100 °C, as in 6 (ii) above.

(d) Apparent Viscosity of the treated hot rolled base mud should not be less than the value obtained for hot rolled base mud 6 (ii). Yield Point of the treated hot rolled base mud should not be less than the value obtained for hot rolled base mud 6 (ii). Lubricity Coefficient of the treated hot rolled base mud should not be more than 80% of the value obtained for hot rolled mud 6 (ii). HP-HT Filtration Loss of the treated hot rolled base mud should not be more than 70% of the value obtained for hot rolled mud 6 (ii). Cloud Point of 3% (v/v) Sample in 10% (w/v) KCl in Distilled Water, °C: 75-87.

**10. POTASSIUM SULPHATE:**

**10.1.** Physical Properties: The material shall be in the form of crystalline solid or powder, free from visible impurities.

**10.2.** Moisture Content at 105 +/-2 deg C, % by mass: 2.00(Maximum)

**10.3.** Matter Insoluble in Water on Dry Basis, percent by mass: 0.5(Maximum)

**10.4.** Calcium as Ca++ on Dry Basis, ppm: 2000 (Maximum) 5. Purity as Potassium Sulphate on Dry Basis, percent by mass: 96.0 (Minimum)

**10.5.** Packing: The material should be packed in polythene bag (100 gauge) which in turn should be packed in HDPE bag strong enough to withstand rigorous of transit and storage. The material should be supplied in the original packing of the manufacturer Capacity 50 kg net per bag.

**10.6.** Marking: Each bag shall have clear legible markings as given below:

(a) Name of the product

(b) Name of the supplier

(c) Date/Month/Year of manufacture

(d) Supply order number against which the present supply is made

**11. POTASSIUM CHLORIDE:**

To use in water base drilling fluids to make potassium-based mud.

**11.1.** Physical Properties: The material as received should be a crystalline solid/powder and white in colour, free from dirt and foreign matter.

**11.2.** Moisture Content at 105 +/-2 DegC, % by mass, maximum: 2.00

**11.3.** Matter Insoluble in water, (on dry basis), % by mass maximum: 0.50

**11.4.** Calcium Content,(on dry basis) ppm, maximum. : 2000.00

**11.5.** Purity as Potassium Chloride,(on dry basis), % by mass, min. :97.00

**11.6.** Packing :

(a) The material should be packed in polythene bag (100 gauge) which in turn should be packed in HDPE bag strong enough to withstand rigours of transit and storage. The material should be supplied in the original packing of the manufacturer. Capacity 50 kg net per bag.

(b) **PELLETIZATION**:-If supply is from foreign source, the supply should be in suitably pelletized forms.

**11.7.** Marking : Each bag shall have clear legible markings as given below :

(a) Name of the product.

(b) Name of the supplier.

(c) Date/Month/Year of manufacture.

(d) Supply order number against which the present supply is made.

**12. NIF (500 PSI):**

**12.1.** Physical Properties: The material shall be a free flowing powder, free from visible impurities

**12.2.** Moisture Content at 105 +/-2 DegC, % by mass, maximum.: 10.0 (Maximum)

**12.3.** pH of 5% (w/v) Solution of the Material in Distilled Water at 24 ± 2 degC: 7.0 ±1.0

**12.4.** Sieve Analysis: Residue on 100 mesh(ASTM) screen after sieving @3000 vibrations/minute for 10 mins, *Percent by mass:* 15 (maximum)

**12.5.** Loss on ignition: Residue left in Silica crucible after heating in muffle furnace for 2 hours at $600^0$C , percent by mass: 10 (maximum)

**12.6.** Yield point of base mud, lbs/100 sq ft: To be recorded

**12.7.** Yield point of hot rolled ($100^0$ C for 16 hours) base mud, lbs/100 sq ft: Not more than Sl. No 6

**12.8.** API filter loss of hot rolled ($100^0$ C for 16 hours) base mud, ml: To be recorded

**12.9.** Invasion test of hot rolled ($100^0$ C for 16 hours) base mud in sand bed test cell at 500 psi for 30 minutes, cm: To be recorded

**13. HP LUBRICANT:**

**13.1.** Physical Properties: The material shall be a free-flowing liquid at 24±2 $^0$C, free from visible impurities.

**13.2.** Lubricity coefficient of the treated NDDF (Composition: Distilled water + KCl 5% (mixing time 5 min.) + Biocide-1000 ppm (mixing time 5 min.) + Xanthan Gum 0.45% w/v (mixing time 20 Min.) + Pre gelatinised Starch 3% w/v (mixing time 10 min); MCC 6% w/v (mixing time 10 min); pH: 8.5-9.0 + add 2.0% w/v of the material, Stir in a Hamilton Beach Mixer for 10 mins.) by using a lubricity tester: 0.10 (Maximum)

**13.3.** Extreme Pressure film strength at 300 in-lb load and 1000 RPM of treated NDDF, psi: 12000 (Minimum)

**13.4.** Lubricity coefficient after hot rolled (100±2 $^0$C, 16 hrs) treated 2.0 % (w/v) NDDF: Should not be more than 0.02 unit of the value at Sl no. 2

**13.5.** Film strength of the hot rolled (100±2 $^0$C, 16 hrs) treated 2.0 % (w/v) NDDF, psi: Film strength of treated NDDF should not be less than 25000 psi

**13.6.** Foam test: Specific Gravity of the treated freshwater mud: 0.80 (minimum)

**1.1.** The successful bidder shall supply the centrifuge along with the manpower as below:

**1.2.** Two centrifuge to be supplied by the contractor to be used in both the package as per instruction of OIL on call basis individually.

**1.3.** Operating / maintenance manual of Centrifuge shall be provided by the Contractor along with the power requirement and motor HP for running this facility. OIL will provide electrical power having specification of 415 V, 3 Phase, 50 Hz. The Electrical equipment must have Test Report of flame-proofness conforming to the relevant standards as per OMR, 2017 and subsequent guidelines from DGMS 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 for use in Drilling well. OIL will only provide necessary assistance of Crane Services for installation (rig-up) of Centrifuge and Dismantling (rig-down) of same in each location. However, the Contractor will have sole responsibility for operation & maintenance of Centrifuge.

**1.4.** The Contractor shall provide/ bring necessary platform for mounting the Centrifuge along with all required piping.

**1.5.** Rig-up, Rig-down and ILM shall be the responsibility of service provider.

**1.6.** Centrifuge must be compatible with supplied mud system and as per it requirement.

**1.7. <u>SPECIFICATION OF CENTRIFUGE</u>**

Make: Brandt - NOV / MI- Swaco / CSI(Centrisys) / Halliburton / Derrick / Kemtron Model

As per the above manufacturer Description:

(i) High Speed Decanter with Variable Speed Hydraulic Drive With Feed Pump / Charge Pump /Progressive Cavity Pump.

(ii) The centrifuge package should include all control and accessories including working platform.

(iii) Motor H.P for running Centrifuge: 60 HP

(iv) Motor H.P for running Feed Pump: Should be capable of meeting 185 gpm flow rate criteria

(v) Centrifugal "G" force : 2000 or higher

**Note:** Any other additional or higher technical requirement other than above (point 1.6) as per the bidder's prospective for their mud system and solid control point of view must be consider at time of bidding without additional cost to OIL.

**2.0 HR DEPLOYMENT: CENTRIFUGE OPERATOR / CENTRIFUGE ENGINEER**

Contractor will provide two experienced on-site Centrifuge Operators / Engineers on 12-hour shift basis. The operators will be required to work on a suitable ON/OFF-day rotation as per OMR'2017 or rules, regulations and circular thereunder. The deployed manpower must have. OIL reserves the right to modify its requirement of onsite Centrifuge operators anytime during the currency of the Contract. There will be no separate charges for the manpower.

**2.1 GENERAL**

(vii) The Contractor will have to submit the Biodata of personnel proposed to be deployed prior to deployment for OIL's approval as per Annexure: Q. The following documents should accompany the Bio Data for approval
- (a) Educational Qualification certificate
- (b) Appointment / approval letters from the last Operator.
- (c) Proof of Work experience as per contract
- (d) Valid Police Verification Certificate

(viii) **CENTRIFUGE OPERATOR / CENTRIFUGE ENGINEER should be an employee of the Contractor**. **Bidder to confirm the same.**

(ix) Company reserves the right to instruct for removal of any Service provider's personnel who in the opinion of Company is technically not competent or not rendering the services faithfully, or due to other reasons. The replacement of such personnel will also be fully at cost of the Service provider and the Service provider shall have to replace this/these personnel within Ten **(10) days of such instruction**. The replacement personnel must have the requisite qualification and experience as indicated in the contract and their credentials along with recent photographs must be submitted to Company for approval prior to their engagement.

(x) In case, the personnel are newly recruited in the organization, at least 02(Two) no. of personnel reference with email id, Mobile no. etc. of the previous employer to be provided in the CV for his previous experience.

(xi) Movement of the contractor personnel to & from well site will be under contractor's responsibility. Contractor to arrange for fooding and lodging bunk house for its personnel at well site with no extra cost to the company.

(xii) If Contractor deploys more personnel towards performance of any specific job at well site during the currency of the contract, Company will not pay for such additional manpower

(xiii) The educational qualification & experience criteria of deployed personnel are mentioned in **Table 1**:

**TABLE-1: EXPERIENCE & CERTIFICATION OF CENTRIFUGE OPERATOR / CENTRIFUGE ENGINEER**

| Sl. No. | Name of position | Educational Qualification | Experience & Certification | Stationed | Working Hours | OFF as per Note | Total (exclude off) |
|---|---|---|---|---|---|---|---|
| 1 | Centrifuge Engineer/Operator | 12 passed or higher Govt. recognized institute | *v)* Minimum two years' experience in operating centrifuge in Drilling Rig<br>*vi)* He should have knowledge on different services to be hired under IDS-3 | At site | (24 hrs x7 days on call basis) | Off as per Note | 02 |

**Note**

"OFF & ON" pattern of personnel deployed at well site shall be guided as per DGMS Circular SO1658 (E) date 30th June 2014 with fulfilling all its conditions. **Bidder to confirm the same.**

**2.2 COMPETENT OFFICIALS AND COMPETENT PERSON**

**CENTRIFUGE OPERATOR / CENTRIFUGE ENGINEER** should be Contractor's employee deployed as per TABLE (1) as above shall be treated as competent officials and persons as per Regulations (21) Appointment of officials and competent persons and shall perform duty as Regulation (26) Duty of persons employed in mine and Regulation (33) Duty of competent person of OMR, 2017 in addition to other assigned jobs as per the contract.

(i) **JOB SPECIFICATION AND JOB RESPONSIBILTY**

(a) The Centrifuge engineers should have appropriate knowledge in working with the contractor's materials/equipment as well as compatibility of these materials/equipment with the available rig infrastructure and procedures for the services provided by the contractor.

(b) The Centrifuge engineers should have a minimum of three (03) years' experience in maintenance & services of centrifuge.

(c) The Contractor shall provide resume of the intended Centrifuge engineers for OIL's approval prior to commencement of operation.

(d) Bidders must submit an undertaking along with the offer clearly stating that the offered Centrifuge Engineers shall comply the qualification and experience criteria of NIT.

***PROFORMA-A (To be submitted only along with price bid)***

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

| Sl.No. | Item Description | Qty/Unit | Rate | Total | Freight & Insurance | CIF Value | Port & other charge | Landed Cost | Is it re-exportable? YES or NO | Year of Mfg. | HSN Code |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A | B | C | D | E = C x D | F | G = F + E | H | I = G+H | J | K | L |
| | | | | | | | | | | | |
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**(1) The items which are not of consumable in nature and required to be re-exported outside India after**

**(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:

**OIL INDIA LIMITED**
**(A Government of India Enterprise)**
**Duliajan, Assam**

**DESCRIPTION OF WORK/SERVICE:HIRING OF INTEGRATED DRILLING SERVICES (IDS)-3 FOR DRILLING WELLS IN ASSAM AND ARUNACHAL PRADESH**

**Proforma B: PRICE BID FORMAT**

| | |
|---|---|
| **NAME OF BIDDER** | |
| **Bidder's GST No.** | |
| **SAC/HSN Code** | |
| **Whether bidder is a Foreign or Indian Bidder (Select from the Dropdown List)** | |
| **Quoted Currency** | Indian Bidder shall quote in INR. Refer Clause No. 8.0 of ITB |

| Item No. | Description of Services (For detailed description of Services Refer SOQ) | UOM | Estimated Quantity | Rate to be quoted Excluding GST | Applicable GST Rate in % | Applicable GST (CGST+SGST/ CGST+UTGST/ IGST/Not Applicable) | Indian Expenses in percentage (To be filled up by Foreign bidder in case they are quoting in currency other than INR. Refer to Clause No. 8.0 of ITB). (Indian Bidders are not required to fill this.) | Amount (Excluding GST) | Amount (Including GST) |
|---|---|---|---|---|---|---|---|---|---|
| | | | **A** | **B** | **C** | | | **D = A * B** | **E = D+(D*C%)** |
| **A** | **INTEGRATED DRILLING SERVICES COORDINATOR (IDS COORDINATOR)** | | | | | | | | |
| 1 | Mobilization charges IDS Coordinator | Lumpsum | 1 | | | | | 0.00 | 0.00 |
| 2 | Operational Day Rate For IDS Coordinator | Day | 1400 | | | | | 0.00 | 0.00 |
| 3 | De-Mobilization charges IDS Coordinator | Lumpsum | 1 | | | | | 0.00 | 0.00 |
| 4 | Interim De-mobilization IDS Coordinator | Lumpsum | 1 | | | | | 0.00 | 0.00 |
| 5 | Interim Re-mobilization IDS Coordinator | Lumpsum | 1 | | | | | 0.00 | 0.00 |
| | **TOTAL COST FOR INTEGRATED DRILLING SERVICES COORDINATOR (IDS COORDINATOR) : X1** | | | | | | | 0.00 | 0.00 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **B** | **RSS-SDMM-MWD-LWD SERVICES (INCLUDING MANPOWER) for (17.1/2", 12.1/4", 8.1/2" & 6" H)** | | | | | | | | |
| **Mobilization charges for Tools & Equipment including Manpower** | | | | | | | | | |
| 1 | **MWD Package:** Surface MWD/LWD Unit + MWD with Directional & Gamma Ray | NO | 2 | | | | | 0.00 | 0.00 |
| 2 | **Steerable Package**: Rotary Steerable System and SDMM with Stab and Accessories | NO | 2 | | | | | 0.00 | 0.00 |
| 3 | Annulus Pressure & Annulus Temperature While Drilling | NO | 2 | | | | | 0.00 | 0.00 |
| 4 | Resistivity (Induction Type) | NO | 2 | | | | | 0.00 | 0.00 |
| 5 | Drilling Jar | NO | 2 | | | | | 0.00 | 0.00 |
| 6 | Neutron, Azimuthal density with imaging and calliper | NO | 2 | | | | | 0.00 | 0.00 |
| **B1** | **Total Mobilization charges of tools and equipments including manpower** | | | | | | | 0.00 | 0.00 |
| **De-mobilization charges for Tools & Equipment including Manpower** | | | | | | | | | |
| 1 | **MWD Package:** Surface MWD/LWD Unit + MWD with Directional & Gamma Ray | NO | 2 | | | | | 0.00 | 0.00 |
| 2 | **Steerable Package**: Rotary Steerable System and SDMM with Stab and Accessories | NO | 2 | | | | | 0.00 | 0.00 |
| 3 | Annulus Pressure & Annulus Temperature While Drilling | NO | 2 | | | | | 0.00 | 0.00 |
| 4 | Resistivity (Induction Type) | NO | 2 | | | | | 0.00 | 0.00 |
| 5 | Drilling Jar | NO | 2 | | | | | 0.00 | 0.00 |
| 6 | Neutron, Azimuthal density with imaging and calliper | NO | 2 | | | | | 0.00 | 0.00 |
| **B2** | **Total De-Mobilization charges of tools and equipments including manpower** | | | | | | | 0.00 | 0.00 |
| **Interim De-Mobilization charges of tools and equipments including manpower:** | | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | **MWD Package:** Surface MWD/LWD Unit + MWD with Directional & Gamma Ray | NO | 2 | | | | | 0.00 | 0.00 |
| 2 | **Steerable Package**: Rotary Steerable System and SDMM with Stab and Accessories | NO | 2 | | | | | 0.00 | 0.00 |
| 3 | Annulus Pressure & Annulus Temperature While Drilling | NO | 2 | | | | | 0.00 | 0.00 |
| 4 | Resistivity (Induction Type) | NO | 2 | | | | | 0.00 | 0.00 |
| 5 | Drilling Jar | NO | 2 | | | | | 0.00 | 0.00 |
| 6 | Neutron, Azimuthal density with imaging and calliper | NO | 2 | | | | | 0.00 | 0.00 |
| **B3** | **Total Interim De-Mobilization charges of tools and equipments including manpower** | | | | | | | 0.00 | 0.00 |
| | | | | | | | | | |
| **Interim Re-mobilization charges for Tools & Equipment including Manpower** | | | | | | | | | |
| 1 | **MWD Package:** Surface MWD/LWD Unit + MWD with Directional & Gamma Ray | NO | 2 | | | | | 0.00 | 0.00 |
| 2 | **Steerable Package**: Rotary Steerable System and SDMM with Stab and Accessories | NO | 2 | | | | | 0.00 | 0.00 |
| 3 | Annulus Pressure & Annulus Temperature While Drilling | NO | 2 | | | | | 0.00 | 0.00 |
| 4 | Resistivity (Induction Type) | NO | 2 | | | | | 0.00 | 0.00 |
| 5 | Drilling Jar | NO | 2 | | | | | 0.00 | 0.00 |
| 6 | Neutron, Azimuthal density with imaging and calliper | NO | 2 | | | | | 0.00 | 0.00 |
| **B4** | **Total Interim Re-Mobilization charges of tools and equipments including manpower** | | | | | | | 0.00 | 0.00 |
| | | | | | | | | | |
| **Operating Charges for Tools & Equipment including Manpower** | | | | | | | | | |
| 1 | **MWD Package:** Surface MWD/LWD Unit + MWD with Directional & Gamma Ray | DAY | 1728 | | | | | 0.00 | 0.00 |
| 2 | **Steerable Package**: Rotary Steerable System and SDMM with Stab and Accessories | DAY | 1728 | | | | | 0.00 | 0.00 |
| 3 | Annulus Pressure & Annulus Temperature While Drilling | DAY | 1184 | | | | | 0.00 | 0.00 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 4 | Resistivity (Induction Type) | DAY | 1184 | | | | | 0.00 | 0.00 |
| 5 | Drilling Jar | DAY | 1984 | | | | | 0.00 | 0.00 |
| 6 | Neutron, Azimuthal density with imaging and calliper | DAY | 640 | | | | | 0.00 | 0.00 |
| **B5** | **Total Operating Charges for Tools & Equipment including Manpower** | | | | | | | 0.00 | 0.00 |
| | | | | | | | | | |
| **Standby Charges for Tools & Equipment including Personnel** | | | | | | | | | |
| 1 | **MWD Package:** Surface MWD/LWD Unit + MWD with Directional & Gamma Ray | DAY | 1072 | | | | | 0.00 | 0.00 |
| 2 | **Steerable Package**: Rotary Steerable System and SDMM with Stab and Accessories | DAY | 1072 | | | | | 0.00 | 0.00 |
| 3 | Annulus Pressure & Annulus Temperature While Drilling | DAY | 1063 | | | | | 0.00 | 0.00 |
| 4 | Resistivity (Induction Type) | DAY | 1063 | | | | | 0.00 | 0.00 |
| 5 | Drilling Jar | DAY | 816 | | | | | 0.00 | 0.00 |
| 6 | Neutron, Azimuthal density with imaging and calliper | DAY | 776 | | | | | 0.00 | 0.00 |
| **B6** | **Total Standby Charges for Tools & Equipment including Personnel** | | | | | | | 0.00 | 0.00 |
| | **Total Cost for RSS-SDMM-MWD-LWD SERVICES of Equipment & Personnel X2=(B1 + B2 + B3 + B4 + B5 + B6)** | | | | | | | 0.00 | 0.00 |
| | | | | | | | | | |
| **C** | **Mud Engineering Services** | | | | | | | | |
| **1** | Mobilization charges for personnel, accommodation bunk and lab equipment | Lumpsum | 2 | | | | | 0.00 | 0.00 |
| **2** | Operational day rate for mud engineer (Two engineers per day per pakage) | Day | 2520 | | | | | 0.00 | 0.00 |
| **3** | Standby charges for mud engineer (Two engineers per day per package) | Day | 305 | | | | | 0.00 | 0.00 |
| **4** | Interim demobilization of mud engineer | Lumpsum | 15 | | | | | 0.00 | 0.00 |
| **5** | Interim remobilization of mud engineer | Lumpsum | 15 | | | | | 0.00 | 0.00 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 6 | Demobilization charges for personnel, accommodation bunk and lab equipment | Lumpsum | 2 | | | | | 0.00 | 0.00 |
| 7 | Mobilisation Charge for Centrifuge (call out) | Lumpsum | 12 | | | | | 0.00 | 0.00 |
| 8 | Demobilisation Charge for Centrifuge (call out) | Lumpsum | 12 | | | | | 0.00 | 0.00 |
| 9 | Operational day rate for Centrifuge (call out) | Day | 900 | | | | | 0.00 | 0.00 |
| 10 | Standby charges for Centrifuge (call out) | Day | 1290 | | | | | 0.00 | 0.00 |
| 11 | Inter-location movement charges (Chemicals, Lab equipment, Bunk house and Personnel ) up to 50 KM | Lumpsum | 19 | | | | | 0.00 | 0.00 |
| 12 | Rate per KM beyond initial 50 KM limit for ILM of Chemicals, Lab equipment, Bunk house and Personnel | KM | 2000 | | | | | 0.00 | 0.00 |
| | **Total Cost for Mud Engineering Services with Equipment & Personnel under IDS-3: X3** | | | | | | | 0.00 | 0.00 |
| | | | | | | | | | |
| **D.** | **INTEGRATED DRILLING SERVICES (INCLUDING MANPOWER) (CALL OUT TOOLS)**<br>**Services for 6" H Specialized tool (INCLUDING MANPOWER)** | | | | | | | | |
| 1 | Mobilization charges for Tools & Equipment including Personnel | NO | 4 | | | | | 0.00 | 0.00 |
| 2 | De-mobilization charges for Tools & Equipment including Personnel | NO | 4 | | | | | 0.00 | 0.00 |
| 3 | Operating Charges for Tools & Equipment including Personnel | DAY | 32 | | | | | 0.00 | 0.00 |
| 4 | Standby Charges for Tools & Equipment including Personnel | DAY | 16 | | | | | 0.00 | 0.00 |
| | **Total Cost for Services for 6" H Specialized tool (INCLUDING MANPOWER): X4** | | | | | | | 0.00 | 0.00 |
| | | | | | | | | | |
| **E.** | **MUD CHEMICALS** | | | | | | | | |
| **E1** | **Cost of Mud as per PERFORMA-B1 (Imported) under IDS-3** | | - | | | | | 0.00 | 0.00 |
| **E2** | **Cost of Mud as per PERFORMA-B1 (Indigenous) under IDS-3** | | - | | | | | 0.00 | 0.00 |
| | **Total Cost MUD CHEMICALS: X5** | | | | | | | 0.00 | 0.00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **F.** | **BITS (Performance Based)** | | | | | | |
| **F1** | **Cost for Bits (Performance Based) as per Proforma B2** | **0.00** | | | | 0.00 | 0.00 |
| | | | | | **Total Cost for Bits (Performance Based): X6** | 0.00 | 0.00 |
| **G** | **BITS (Hi-Tech Bits)** | | | | | | |
| **G1** | **Cost for Bits (Hi Tech Bits) as per Proforma B3** | **0.00** | | | | 0.00 | 0.00 |
| | | | | | **Total Cost for Bits (Hi-Tech Bits): X7** | 0.00 | 0.00 |
| **H** | **BITS (Bit Basket)** | | | | | | |
| **H1** | **Cost for Bits (Bit Basket) as per Proforma B4** | **0.00** | | | | 0.00 | 0.00 |
| | | | | | **Total Cost for Bits Bit Basket): X8** | 0.00 | 0.00 |
| | | | | | **TOTAL COST (X1+X2+X3+X4+X5+X6+X7+X8)** | 0.00 | 0.00 |
| | | | | | | | The above cost should be maintained under "Total Bid Value" in the E-Tender Portal |

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

3. 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.

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

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

6. Refer to GCC for detail of GST.

7. If a bidder quotes total Charges/Consideration NIL, their bid shall be treated as unresponsive and will not be considered.

8. Refer to SOQ & SCC for Item detail Description.

**PROFORMA-B1(Imported)**

**COST OF MUD ENGINEERING CHEMICALS (Imported)**

| Sl. No. | Name of Chemical | Brand Name | SAC/HSN Code | UOM | CIF Rate per Unit (for Port of Import) | Rig Site Rate per unit for PEL/ML Area [considering customs clearance, inland transportation to site, insurance and all other taxes and duties except GST] | Quantity | Total Rig Site Cost of chemicals for PEL/ML Area |
|---|---|---|---|---|---|---|---|---|
| 1 | Caustic Soda | | | KG | | | 1,59,000 | 0.00 |
| 2 | CP Glycol | | | L | | | 7,94,000 | 0.00 |
| 3 | ROP enhancer | | | L | | | 10,58,000 | 0.00 |
| 4 | Encapsulating polymer | | | KG | | | 2,12,000 | 0.00 |
| 5 | PAC-R | | | KG | | | 5,29,000 | 0.00 |
| 6 | HP Fluid loss reducer | | | KG | | | 7,94,000 | 0.00 |
| 7 | XCD | | | KG | | | 2,65,000 | 0.00 |
| 8 | Biocide | | | L | | | 1,06,000 | 0.00 |
| 9 | CaCO3 (M) | | | KG | | | 15,87,000 | 0.00 |
| 10 | CaCO3 (F) | | | KG | | | 15,87,000 | 0.00 |
| 11 | Defoamer | | | L | | | 1,59,000 | 0.00 |
| 12 | Polyamine-Chloride free | | | L | | | 10,58,000 | 0.00 |
| 13 | Polyamine-Sealing agent | | | L | | | 6,05,000 | 0.00 |
| 14 | HP Lubricante | | | L | | | 7,94,000 | 0.00 |
| 15 | Oxygen Scavenger | | | L | | | 53,000 | 0.00 |
| 16 | NIF (500 psi) | | | KG | | | 5,29,000 | 0.00 |
| 17 | Potassium Sulphate | | | KG | | | 15,87,000 | 0.00 |
| 18 | H2S Scavenger | | | KG | | | 11,000 | 0.00 |
| **TOTAL RIG SITE COST FOR IMPORTED MUD ENGINEERING CHEMICALS (EXCLUDING GST)** | | | | | | | | **0.00** |

**Note**: The above chemicals are required to be supplied **on FOR Destination (Well Site) basis** for use in Assam & Arunachal Pradesh under the contract. Quoted rates must include cost of the materials, packing & forwarding Charges, taxes & duties as applicable (except **GST**), shipment & transportation cost upto well sites in Assam & Arunachal Pradesh, transit insurance and storing, warehousing & handling costs, if any, etc. as applicable.

**PROFORMA-B1(Indigenous)**

**COST OF MUD ENGINEERING CHEMICALS (Indigenous)**

| Sl. No. | Name of Chemical | Brand Name | SAC/HSN Code | UOM | Ex-Works Rate per Unit | Rig Site Rate per unit for PEL/ML Area [considering inland transportation to site, insurance and all other taxes and duties except GST] | Quantity | Total Rig Site Cost of chemicals for PEL/ML Area |
|---|---|---|---|---|---|---|---|---|
| 1 | Caustic Soda | | | KG | | | 1,59,000 | 0.00 |
| 2 | CP Glycol | | | L | | | 7,94,000 | 0.00 |
| 3 | ROP enhancer | | | L | | | 10,58,000 | 0.00 |
| 4 | Encapsulating polymer | | | KG | | | 2,12,000 | 0.00 |
| 5 | PAC-R | | | KG | | | 5,29,000 | 0.00 |
| 6 | HP Fluid loss reducer | | | KG | | | 7,94,000 | 0.00 |
| 7 | XCD | | | KG | | | 2,65,000 | 0.00 |
| 8 | Biocide | | | L | | | 1,06,000 | 0.00 |
| 9 | CaCO3 (M) | | | KG | | | 15,87,000 | 0.00 |
| 10 | CaCO3 (F) | | | KG | | | 15,87,000 | 0.00 |
| 11 | Defoamer | | | L | | | 1,59,000 | 0.00 |
| 12 | Polyamine-Chloride free | | | L | | | 10,58,000 | 0.00 |
| 13 | Polyamine-Sealing agent | | | L | | | 6,05,000 | 0.00 |
| 14 | HP Lubricante | | | L | | | 7,94,000 | 0.00 |
| 15 | Oxygen Scavenger | | | L | | | 53,000 | 0.00 |
| 16 | NIF (500 psi) | | | KG | | | 5,29,000 | 0.00 |
| 17 | Potassium Sulphate | | | KG | | | 15,87,000 | 0.00 |
| 18 | H2S Scavenger | | | KG | | | 11,000 | 0.00 |
| **TOTAL RIG SITE COST FOR IMPORTED MUD ENGINEERING CHEMICALS (EXCLUDING GST)** | | | | | | | | **0.00** |

**Note**: The above chemicals are required to be supplied **on FOR Destination (Well Site) basis** for use in Assam & Arunachal Pradesh under the contract. Quoted rates must include cost of the materials, packing & forwarding Charges, taxes & duties as applicable (except **GST**), shipment & transportation cost upto well sites in Assam & Arunachal Pradesh, transit insurance and storing, warehousing & handling costs, if any, etc. as applicable.

**PROFORMA-B2**

**COST OF BITS (Performance Based)**

| Sl. | DESCRIPTION OF ITEMS | UNIT | Qty | SAC/HSN Code | Unit Rate (to be quoted Excluding GST) | Total |
|---|---|---|---|---|---|---|
| **A** | **Supply of Bit for 17½" hole section** | | | | | |
| **A.1** | Best Offer | NO | 51 | | | 0.00 |
| **A.2** | Second best offer | NO | 51 | | | 0.00 |
| | **Total for Supply of Bit for 17½" hole section (H1)** | | | | | **0.00** |
| **B** | **Supply of Bit for 12¼" hole section** | | | | | |
| **B.1** | **TCR** | | | | | |
| **B.1.1** | Best Offer | NO | 31 | | | 0.00 |
| **B.1.2** | Second best offer | NO | 31 | | | 0.00 |
| **B.2** | **PDC** | | | | | |
| **B.2.1** | Best Offer | NO | 17 | | | 0.00 |
| **B.2.2** | Second best offer | NO | 16 | | | 0.00 |
| | **Total for Supply of Bit for 12¼" hole section (H2)** | | | | | **0.00** |
| **C** | **Supply of Bit for 8½" hole section** | | | | | |
| **C.1** | **TCR** | | | | | |
| **C.1.1** | Best Offer | NO | 29 | | | 0.00 |
| **C.1.2** | Second best offer | NO | 29 | | | 0.00 |
| **C.2** | **PDC** | | | | | |
| **C.2.1** | Best Offer | NO | 17 | | | 0.00 |
| **C.2.2** | Second best offer | NO | 16 | | | 0.00 |
| **C.3** | **INSERT** | | | | | |
| **C.3.1** | Best Offer | NO | 29 | | | 0.00 |
| **C.3.2** | Second best offer | NO | 29 | | | 0.00 |
| | **Total for Supply of Bit for 8½" hole section (H3)** | | | | | **0.00** |
| **D** | **Supply of Bit for 6" hole section (Call Out)** | | | | | |
| **D.1** | **TCR** | | | | | |
| **D.1.1** | Best Offer | NO | 6 | | | 0.00 |
| **D.1.2** | Second best offer | NO | 6 | | | 0.00 |
| **D.2** | **PDC** | | | | | |
| **D.2.1** | Best Offer | NO | 4 | | | 0.00 |
| **D.2.2** | Second best offer | NO | 3 | | | 0.00 |
| **D.3** | **INSERT** | | | | | |
| **D.3.1** | Best Offer | NO | 6 | | | 0.00 |
| **D.3.2** | Second best offer | NO | 6 | | | 0.00 |
| | **Total for Supply of Bit for 6" hole section (H4)** | | | | | **0.00** |
| | **Total Cost for Supply of Bit for 17½",12¼", 8½"6" hole section (excl. GST) (H1+H2+H3+H4)** | | | | | **0.00** |

**Note**

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|---|---|
| **1** | The quantities shown above against each item are for evaluation purpose only, however, the payment shall be made as per actuals during Contract execution. |

**PROFORMA-B3**

## COST OF BITS (HI TECH BITS)

| Sl. | DESCRIPTION OF ITEMS | BIT DESIGN | UNIT | Qty | SAC/HSN Code | Unit Rate (to be quoted Excluding GST) | Total |
|---|---|---|---|---|---|---|---|
| **A** | **Supply of Bit for 17½" hole section** | | | | | | |
| **A.1** | Hybrid /Fusion bits | Blade - 6 nos. Cutter Size - 16 mm | NO | 1 | | | 0.00 |
| **A.2** | Shaped cutter bits | Blade - 6 nos. Cutter Size - 16 mm | NO | 1 | | | 0.00 |
| | | Blade - 6 nos. Cutter Size - 19 mm | NO | 1 | | | 0.00 |
| **A.3** | Bits with in bit sensing | Blade - 6 nos. Cutter Size - 16 mm | NO | 1 | | | 0.00 |
| | | Blade - 6 nos. Cutter Size - 19 mm | NO | 1 | | | 0.00 |
| **A.4** | Bits with special features. | Blade - 6 nos. Cutter Size - 16 mm | NO | 1 | | | 0.00 |
| | **Total for Supply of Bit for 17½" hole section (H1)** | | | | | | **0.00** |
| **B** | **Supply of Bit for 12¼" hole section** | | | | | | |
| **B.1** | Hybrid /Fusion bits | Blade - 5 nos. Cutter Size - 16 mm | NO | 1 | | | 0.00 |
| | | Blade - 6 nos. Cutter Size - 16 mm | NO | 1 | | | 0.00 |
| **B.2** | Shaped cutter bits | Blade - 6 nos. Cutter Size - 19 mm | NO | 1 | | | 0.00 |
| | | Blade - 6 nos. Cutter Size - 16 mm | NO | 1 | | | 0.00 |
| | | Blade - 5 nos. Cutter Size - 16 mm | NO | 1 | | | 0.00 |
| **B.3** | Bits with in bit sensing | Blade - 5 nos. Cutter Size - 16 mm | NO | 1 | | | 0.00 |
| | | Blade - 6 nos. Cutter Size - 16 mm | NO | 1 | | | 0.00 |
| **B.4** | Bits with special features. | Blade - 6 nos. Cutter Size - 16 mm | NO | 1 | | | 0.00 |
| | **Total for Supply of Bit for 12¼" hole section (H2)** | | | | | | **0.00** |
| **C** | **Supply of Bit for 8½" hole section** | | | | | | |
| **C.1** | Hybrid /Fusion bits | Blade - 5 nos. Cutter Size - 16 mm | NO | 1 | | | 0.00 |
| | | Blade - 6 nos. Cutter Size - 16 mm | NO | 1 | | | 0.00 |
| | | Blade - 6 nos. Cutter Size - 19 mm | NO | 1 | | | 0.00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **C.2** | Shaped cutter bits | Blade - 5 nos. Cutter Size - 16 mm | NO | 1 | | | 0.00 |
| | | Blade - 6 nos. Cutter Size - 16 mm | NO | 1 | | | 0.00 |
| | | Blade - 5 nos. Cutter Size - 19 mm | NO | 1 | | | 0.00 |
| **C.3** | Bits with in bit sensing | Blade - 5nos. Cutter Size - 16 mm | NO | 1 | | | 0.00 |
| | | Blade - 5 nos. Cutter Size - 19 mm | NO | 1 | | | 0.00 |
| | | Blade - 6 nos. Cutter Size - 16 mm | NO | 1 | | | 0.00 |
| **C.4** | Bits with special features. | Blade - 6 nos. Cutter Size - 16 mm | NO | 1 | | | 0.00 |
| | **Total for Supply of Bit for 8½" hole section (H3)** | | | | | | **0.00** |
| **Total Cost for Supply of Bit for 17½",12¼", 8½" hole section (excl. GST) (H1+H2+H3)** | | | | | | | **0.00** |

**Note**

| | |
|---|---|
| **1** | The quantities shown above against each item are for evaluation purpose only, however, the payment shall be made as per actuals during Contract execution. |

**PROFORMA-B4**

**COST OF BITS (BIT BASKET)**

| Sl. | DESCRIPTION OF ITEMS | UNIT | Qty | SAC/HSN Code | Unit Rate (to be quoted Excluding GST) | Total |
|---|---|---|---|---|---|---|
| **A** | **Supply of Bit for 17½" hole section** | | | | | |
| **A.1** | **TCR** | | | | | |
| **A.1.1** | IADC111 | NO | 166 | | | 0.00 |
| **A.1.2** | IADC117 | NO | 166 | | | 0.00 |
| **A.2** | **PDC** | | | | | |
| **A.2.1** | IADC: M-332 5 BLADE 16 MM CUTTER | NO | 2 | | | 0.00 |
| **A.2.2** | IADC: M-332 6 BLADE 19 MM CUTTER | NO | 3 | | | 0.00 |
| | **Total for Supply of Bit for 17½" hole section (H1)** | | | | | **0.00** |
| **B** | **Supply of Bit for 12¼" hole section** | | | | | |
| **B.1** | **TCR** | | | | | |
| **B.1.1** | IADC117 | NO | 163 | | | 0.00 |
| **B.1.2** | IADC137 | NO | 163 | | | 0.00 |
| **B.2** | **PDC** | | | | | |
| **B.2.1** | IADC: M-332 5 BLADE 16 MM CUTTER | NO | 5 | | | 0.00 |
| **B.2.2** | IADC: M-332 6 BLADE 19 MM CUTTER | NO | 6 | | | 0.00 |
| | **Total for Supply of Bit for 12¼" hole section (H2)** | | | | | **0.00** |
| **C** | **Supply of Bit for 8½" hole section** | | | | | |
| **C.1** | **TCR** | | | | | |
| **C.1.1** | IADC117 | NO | 107 | | | 0.00 |
| **C.1.2** | IADC137 | NO | 107 | | | 0.00 |
| **C.2** | **PDC** | | | | | |
| **C.2.1** | IADC: M-332 5 BLADE 16 MM CUTTER | NO | 11 | | | 0.00 |
| **C.2.2** | IADC: M-332 6 BLADE 19 MM CUTTER | NO | 11 | | | 0.00 |
| | **Total for Supply of Bit for 8½" hole section (H3)** | | | | | **0.00** |
| | **Total Cost for Supply of Bit for 17½",12¼", 8½" hole section (excl. GST) (H1+H2+H3)** | | | | | **0.00** |

**Note**

| | |
|---|---|
| **1** | The quantities shown above against each item are for evaluation purpose only, however, the payment shall be made as per actuals during Contract execution. |