



**Oil India Limited**  
**(A Govt. of India Enterprise)**  
**P.O. DULIAJAN, DIST. DIBRUGARH,**  
**ASSAM, INDIA, PIN-786 602**

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

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**FORWARDING LETTER**

**M/s** \_\_\_\_\_

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**Sub : IFB No. CDG3434P15 for Charter Hire of 1 No. 1400 HP(Min)  
Capacity Drilling Rig Package for a period of 3(Three) years**

Dear Sirs,

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

2.0 In connection with its operations, OIL invites International Competitive Bids (ICB) from competent and experienced Contractors through OIL’s e-procurement site for Charter Hire of 1 No. 1400 HP(Min) Capacity Drilling Rig Package for a period of 3(Three) years for dilling operations in Assam and other North Eastern States. 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:

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|--|--|
| (i) IFB No.:                           | CDG3434P15   |
| (ii) Type of IFB :                     | Single Stage-2(two) Bid System                               |
| (iii) Bid Closing Date & Time:         | 24.06.2014 at 11-00 hrs.(IST)                                |
| (iv) Bid Opening Date & Time:          | 24.06.2014 at 14-00 hrs.(IST)                                |
| (v) Priced Bid Opening Date:<br>& Time | Will be intimated to the eligible<br>bidders nearer the time |

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|--------|--|---|
| (vi)   | Bid Submission Mode:   | Bid should be uploaded in OIL's E-Procurement portal  |
| (vii)  | Bid Opening Place:   | Office of the Head-Contracts<br>Oil India Limited<br>Duliajan – 786602, Assam, India  |
| (viii) | Bid Validity :   | 180 days from date of Closing of bid  |
| (ix)   | Mobilisation Time:   | Within 210 days from the date of issue of LOA by OIL  |
| (x)    | Bid Security Amount:   | Rs. 1,32,60,000.00 or<br>US\$ 217,665.00  |
| (xi)   | Bid Security Validity :  | 210 days from date of closing of bid.   |
| (xii)  | Amount of Performance: Guarantee                                 | 7.5 % of 1st year contract value.   |
| (xiii) | Validity of Performance Security:                                | Up to 6 months from date of completion of contract  |
| (xiv)  | Duration of the Contract:  | 3(three) years from the date of commencement of contract with provision for extension by 1(one) year at same rate, terms and conditions at OIL's options. |
| (xv)   | Quantum of Liquidated Damage: for Default in Timely Mobilisation | 0.5% of 1 <sup>st</sup> year contract cost including mobilization charges for delay per week or part thereof subject to maximum of 7.5%.                  |
| (xvi)  | Bids to be addressed to:   | HEAD-CONTRACTS<br>OIL INDIA LIMITED<br>DULIAJAN - 786 602<br>ASSAM, INDIA   |

### 3.0 **Integrity Pact :**

The Integrity Pact must be uploaded in OIL's E-procurement portal along with the Technical Bid digitally signed by the same signatory who signed the Bid i.e. who is duly authorized to sign the Bid. Any Bid not accompanied by the Integrity Pact digitally signed by the bidder shall be rejected straightway. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who signs the Bid.

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

To participate in OIL's E-procurement tender, bidders should have a legally valid digital certificate **of Class 3 with Organizations Name** 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>). Bidders must have a valid User ID to access OIL e-Procurement site for submission of bid. Interested parties shall request OIL in their official letter head giving the detailed address and E-mail letter along with the cost of bid document as indicated in the NIT for issue of the User ID and password for accessing the E-procurement tender. The User ID shall be intimated to the eligible parties through email on receipt of the requisite cost of the bid document. Parties already in possession of OIL User ID and Password shall be eligible for accessing the tender in E-portal after enabling them by OIL in the E-portal which shall be done after receipt of the requisite cost of the bid document. In case any bidder is eligible for exemption from paying the tender fee, they should request OIL with supporting documents for issue of the User ID & Password on free of charge basis. Parties who do not have a User ID, can click on **Guest** login button in the E-portal to view the available open tenders. The detailed guidelines are available in OIL's e-procurement site(Help Documentation). For any clarification in this regard, bidders may contact Mr. A. J. Sarmah, Sr. Manager(ERP-MM) at [arupsarmah@oilindia.in](mailto:arupsarmah@oilindia.in), Ph.: 09954486025(M).

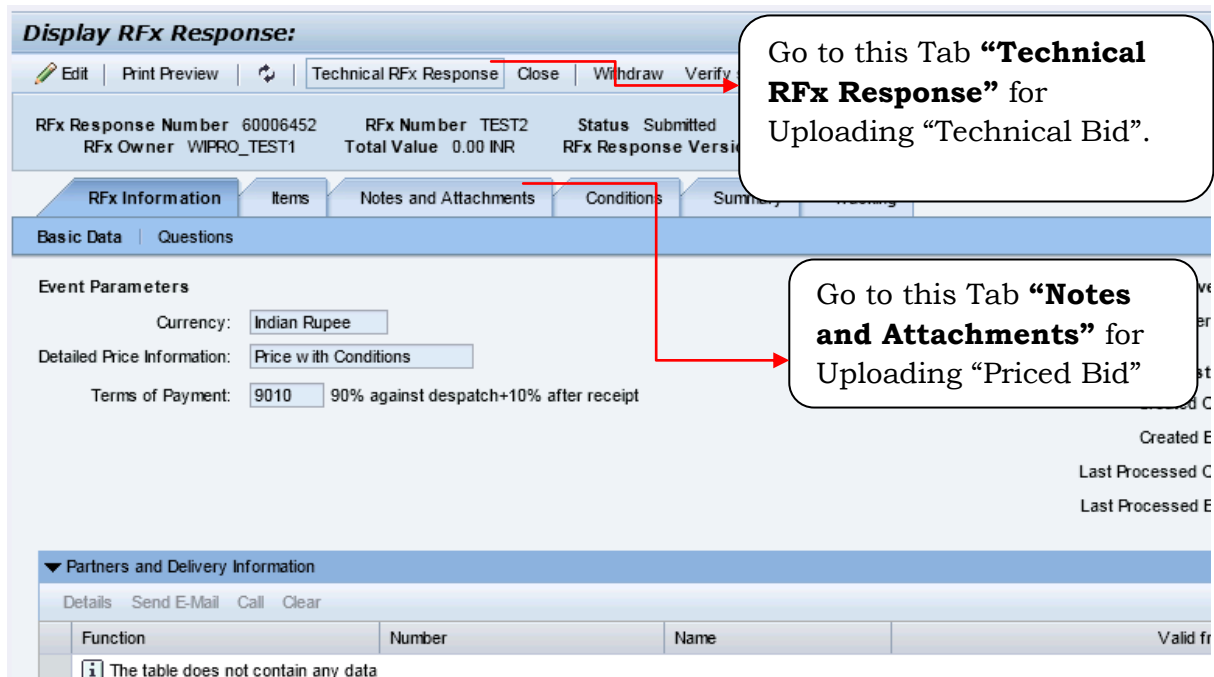
#### 5.0 **IMPORTANT NOTES :**

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

- i) The bid along with all supporting documents must be submitted through OIL's E-procurement site only except the following documents which shall be submitted manually by the bidder in two copies in a sealed envelope superscribed with OIL's IFB No., Bid Closing date and marked as "Original Bid Security" and addressed to Head-Contracts, Contracts Department, Oil India Limited, Duliajan-786602, Assam(India) :
  - a) Original Bid Security
  - b) Printed catalogue and Literature, if called for in the tender.
  - c) Power of Attorney for signing the bid.
  - d) Any other document required to be submitted in original as per tender requirement.

**The above documents including the Original bid security, must be received at OIL's Head-Contract's office at Duliajan on or before 12.45 Hrs(IST) on the bid closing date failing which the bid shall be rejected.** A scanned copy of the Bid Security shall also be uploaded by the bidder along with their Technical Bid in OIL's E-procurement site.

- ii) Bid should be submitted online in OIL's E-procurement site up to 11.00 AM(IST)(Server Time) on the date as mentioned and will be opened on the same day at 2.00 PM(IST) at the office of the Head-Contracts in presence of the authorized representatives of the bidders.
- iii) The authenticity of digital signature shall be verified through authorized CA after bid opening. If the digital signature used for signing is not of "Class -3" with Organizations name, the bid will be rejected.
- iv) The tender is invited under SINGLE STAGE-TWO BID SYSTEM. The bidders shall submit both the "TECHNICAL" and "PRICED" bids through electronic form in the OIL's e-Procurement portal within the Bid Closing Date and Time stipulated in the e-Tender. The Technical Bid should be submitted as per Scope of Work & Technical Specifications along with all technical documents related to the tender and uploaded **"Technical RfX Response" Tab only. Bidders to note that no price details should be uploaded in "Technical RfX Response" Tab Page. Details of prices as per Price Bid format/Priced bid can be uploaded as Attachment just below the "Tendering Text" in the attachment option under "Notes & Attachments" tab. A screen shot in this regard is shown below. Offer not complying with above submission procedure will be rejected as per Bid Rejection Criteria mentioned in Part-2 (Refer Clause 1.0 of (B) Commercial.**



**On “EDIT” Mode- The following screen will appear. Bidders are advised to upload “Technical Bid” and “Priced Bid” in the 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 Price Bid, first click on Sign Attachment, a browser window will open, select the file from the PC and click on “Sign” to sign the file. On Signing a new file with extension .SSIG will be created. Close that window. Next click on Add Attachment, a browser window will open, select the .SSIG signed file from the PC and name the file under Description, Assigned to General Data and click on OK to save the File.

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

Thanking you,

Yours faithfully,  
OIL INDIA LIMITED

**( T K Gupta )**  
**HEAD-CONTRACTS(I/c)**  
**For RESIDENT CHIEF EXECUTIVE**

## **PART - 1**

### **INSTRUCTIONS TO BIDDERS**

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

#### **A. BID DOCUMENTS**

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

- (a) A Forwarding Letter highlighting the following points:
  - (i) Company's IFB No.
  - (ii) Bid closing date and time
  - (iii) Bid opening date and time
  - (iv) Bid submission Mode
  - (v) Bid opening place
  - (vi) Bid validity, Mobilisation time & Duration of contract
  - (vii) The amount of Bid Security with validity
  - (viii) The amount of Performance Guarantee with validity
  - (ix) Quantum of liquidated damages for default in timely mobilizations
- (b) Instructions to Bidders, (Part-1)
- (c) Bid Evaluation Criteria/Bid Rejection Criteria, (Part-2)
- (d) General Conditions of Contract, (Section-I)
- (e) Terms of Reference/Technical Specification,(Section-II)
- (f) Special Conditions of Contract, (Section-III)
- (g) Schedule of Rates, (Section-IV)
- (h) Integrity Pact Proforma, (Annexure-A)
- (i) Estimated CIF value of items at the time of import, (Proforma-A)
- (j) Price Schedule Format, (Proforma-B)
- (k) Bid Form, (Proforma-C)
- (l) Statement of Non-Compliance, (Proforma-D)
- (m) Bid Security Form, (Proforma-E)
- (n) Performance Security Form, (Proforma-F)
- (o) Agreement Form, (Proforma-G)
- (p) Proforma of Letter of Authority,(Proforma-H)
- (q) Authorisation for Attending Bid Opening, (Proforma-I)

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

**3.0 TRANSFERABILITY OF BID DOCUMENTS:**

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

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

**4.0 AMENDMENT OF BID DOCUMENTS:**

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

4.2 The Addendum will be uploaded in OIL's E-Tender Portal in the "Technical RFx Response" under the tab "Amendments to Tender Documents". All prospective bidders to whom Company has issued the Bidding Documents shall also be intimated about the amendments through post/courier or by Fax or e-mail. The Company may, at its discretion, extend the deadline for bid submission, if the Bidders are expected to require additional time in which to take the Addendum into account in preparation of their bid or for any other reason. Bidders shall also check from time to time the E-Tender portal ["Technical RFx Response" under the tab "Amendments to Tender Documents"] for any amendments to the bid documents before submission of their bids.

**B. PREPARATION OF BIDS**

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

**5.1 BIDDER'S/AGENT'S NAME & ADDRESS:**

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

**6.0 DOCUMENTS COMPRISING THE BID:**

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

**(A) TECHNICAL BID**

- (i) Complete technical details of the services and equipment specifications with catalogue, etc.
- (ii) Documentary evidence established in accordance with Clause 10.0.

- (iii) Bid Security (scanned) in accordance with Clause 11.0 hereunder. Original Bid Security should be sent as per Clause No. 11.10 below.
- (iv) Copy of Bid-Form without indicating prices in Proforma-C
- (v) Statement of Non-compliance as per Proforma-D
- (vi) Proforma-A: List of items to be imported without the CIF values.
- (vii) Copy of Priced Bid ***without indicating prices*** (Proforma-B)
- (viii) Integrity Pact digitally signed by OIL's competent personnel as Annexure-A attached with the bid document to be digitally signed by the bidder.

**(B) PRICED BID**

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

- (i) Price-Bid Format as per Proforma-B & B1
- (ii) Bid Form as per Proforma-C
- (iii) Proforma-A showing the items to be imported with the CIF values.

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

**7.0 BID FORM:**

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

**8.0 BID PRICE:**

- 8.1 Prices must be quoted by the Bidders online as per the price bid format available in OIL's E- Tender Portal in "Notes & Attachment" Tab. Unit prices must be quoted by the bidders, both in words and in figures.
- 8.2 Prices quoted by the successful bidder must remain firm during its performance of the Contract and is not subject to variation on any account.
- 8.3 All duties (except customs duty which will be borne by the Company) and taxes (excluding Service Tax) including Corporate Income Tax, Personal Tax, Assam Entry Tax etc. and other Cess/levies payable by the successful bidder under the Contract for which this Bid Document is being issued, shall be included in the rates, prices and total Bid Price submitted by the bidder, and the evaluation and comparison of bids shall be made accordingly. For example, personal taxes and/or any corporate taxes arising out of the profits on the contract as per rules of the country shall be borne by the bidder.

**9.0 CURRENCIES OF BID AND PAYMENT:**

- 9.1 A bidder expecting to incur its expenditures in the performance of the Contract in more than one currency, and wishing to be paid

accordingly, shall so indicate in the bid. In such a case, the bid shall be expressed in different currencies and the respective amounts in each currency shall together make up the total price.

- 9.2 Indian bidders too can submit their bids in any currency (including Indian Rupees) and receive payment in such currencies on par with foreign bidders. However, currency once quoted will not be allowed to be changed.

**10.0 DOCUMENTS ESTABLISHING BIDDER'S ELIGIBILITY AND QUALIFICATIONS:**

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

**11.0 BID SECURITY:**

- 11.1 The Bid Security is required to protect the Company against the risk of Bidder's conduct, which would warrant forfeiture of the Bid Security, pursuant to sub-clause 11.8.

- 11.2 All the bids must be accompanied by Bid Security in Original for the amount as mentioned in the "Forwarding Letter" or an equivalent amount in other freely convertible currency and shall be in any one of the following forms:

- (a) A Bank Guarantee or irrevocable Letter of Credit in the prescribed format vide **Proforma-E** or in another form acceptable to the Company: Bank Guarantee/LC issued from any of the following Banks only will be accepted:
- i) Any Nationalised / scheduled Bank in India or
  - ii) Any Indian branch of a Foreign Bank or
  - iii) Any reputed foreign Bank having correspondent Bank in India

The Bank Guarantee / LC shall be valid for 30 days beyond the validity of the bids asked for in the Bid Document.

Bank Guarantees issued by Banks in India should be on non-judicial stamp paper of requisite value, as per Indian Stamp Act, purchased in the name of the Banker.

- (b) A Cashier's cheque or Demand Draft drawn on 'Oil India Limited' and payable at Duliajan, Assam.

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

- 11.4 The bidders shall extend the validity of the Bid Security suitably, if and when specifically advised by OIL, at the bidder's cost.
- 11.5 Unsuccessful Bidder's Bid Security will be discharged and/or returned within 30 days after finalization of IFB.
- 11.6 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 29.0 below is furnished.
- 11.7 Bid Security shall not accrue any interest during its period of validity or extended validity.
- 11.8 The Bid Security may be forfeited:
- i) If any bidder withdraws their Bid during the period of bid validity
  - ii) If any bidder alters their Bid during the period of bid validity or if the bidder increases the price during the period of bid validity.
  - iii) If the bidder does not accept the LOA issued by Company within the validity of the bid
  - iv) If the bid is accepted by OIL, and work is awarded but the contractor does not furnish the Performance Security.
- 11.9 In case any bidder withdraws their bid during the period of bid validity, Bid Security will be forfeited and the party shall be debarred for a period of 2(two) years.
- 11.10 The scanned copy of the original Bid Security in the form of either Bank Guarantee or LC or Cashier Cheque or Bank Draft must be uploaded by bidder along with the Technical bid in the "Technical RFx Response" of OIL's E-portal. The original Bid Security shall be submitted by bidder to the office of Head-Contracts, Oil India Ltd., Duliajan-786602(Assam), India in a sealed envelope which must reach Head-Contract's office on or before 12.45 Hrs (IST) on the Bid Closing date failing which the bid shall be rejected.

## **12.0 EXEMPTION FROM SUBMISSION OF BID SECURITY:**

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

## **13.0 PERIOD OF VALIDITY OF BIDS:**

- 13.1 Bids shall remain **valid for 180** days from the date of closing of bid prescribed by the Company. Bids of shorter validity will be rejected as being non-responsive. If nothing is mentioned by the bidder in their bid about the bid validity, it will be presumed that the bid is valid for 180 days from Bid Closing Date.

13.2 In exceptional circumstances, the Company may solicit the Bidder's consent to an extension of the period of validity. The request and the response thereto shall be made in writing through Fax or e-mail. The Bid Security provided under Para 11.0 above shall also be suitably extended. A Bidder may refuse the request without forfeiting its Bid Security. A Bidder granting the request will neither be required nor permitted to modify their Bid.

**14.0 SIGNING OF BID:**

14.1 Bids are to be submitted online through OIL's E-procurement portal with digital signature. The bid and all attached documents should be digitally signed by the bidder using "Class 3" digital certificates with Organizations Name [e-commerce application (Certificate with personal verification and Organisation Name)] as per Indian IT Act 2000 obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India before bid is uploaded.

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 in original shall be submitted by bidder as mentioned in Para 15.1 below.

The authenticity of above digital signature shall be verified through authorized CA after bid opening and in case the digital signature is not of "Class-3" with organization name, the bid will be rejected.

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

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

14.3 Any person signing the Bid or any other document in respect of this Bidding Document or other relevant documents on behalf of the Bidder without disclosing his authority to do so shall be deemed to have the authority to bind the Bidder. If it is discovered at any time that the person so signing has no authority to do so, the Company (OIL) may, without prejudice to any other right or remedy, cancel his Bid or Contract and hold the Bidder liable to the Company (OIL) for all costs and damages arising from the cancellation of the Bid or Contract

including any loss which the Company (OIL) may sustain on account thereof.

- 14.4 Any physical documents submitted by bidders shall contain no interlineations, white fluid erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such correction shall be initialled by the person or persons who has/have digitally signed the Bid.
- 14.5 Any Bid, which is incomplete, ambiguous, or not in compliance with the Bidding process will be rejected.

### **15.0 SUBMISSION OF BIDS**

- 15.1 The tender is processed under single stage - Two bid system. Bidder shall submit the Technical bid and Priced bid along with all the Annexures and Proforma (wherever applicable) and copies of documents in electronic form through OIL's e-procurement portal within the Bid Closing Date & Time stipulated in the e-tender. For submission of Bids online at OIL's E-Tender Portal, detailed instructions is available in "**HELP DOCUMENTATION**" 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 RFX Response" under "Techno-Commercial Bid" Tab Page only. Prices to be quoted as per Proforma-B should be uploaded as Attachment just below the "Tendering Text" in the attachment link under "Techno-Commercial Bid" Tab under General Data in the e-portal. **No price should be given in the "Technical RFX Response", otherwise bid shall be rejected.** The priced bid should not be submitted in physical form which shall not be considered.

However, the following documents in two sets should necessarily be submitted in physical form in sealed envelope superscribing the "IFB No., Brief Description of services and Bid Closing/Opening date & Time along with the bidder's name and should be submitted to Head-Contracts, Oil India Ltd., Duliajan-786602(Assam) on or before 12.45 Hrs(IST) on the bid closing date indicated in the IFB :

- i) The Original Bid Security along with 2(two) copies
- ii) Power of Attorney for signing of the bid digitally
- iii) Any other document required to be submitted in original as per bid document requirement.
- iv) Printed catalogue and literature if called for in the bid document.

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

- 15.2 All the conditions of the contract to be made with the successful bidder are given in various Sections of the Bid Document. Bidders are requested to state their non-compliance to each clause as per Proforma-D of the bid document and the same should be uploaded along with the Technical Bid.
- 15.3 Timely delivery of the documents in physical form as stated in Para 15.1 above is the responsibility of the bidder. Bidders should send the same through Registered Post or by Courier Services or by hand delivery to the Officer in Charge of the particular tender before the Bid Closing Date and Time. Company shall not be responsible for any postal delay/transit loss.
- 15.4 Bids received through the e-procurement portal shall only be accepted. Bids received in any other form shall not be accepted.

**16.0 INDIAN AGENTS:**

Foreign Bidders are requested to clearly indicate in their bid whether they have any agent in India. If so, the bidders should furnish the name and address of their agents and state clearly whether these agents are authorized to receive any commission. The rate of the commission included in the rates quoted by bidder should be indicated which would be payable to Agent in non-convertible Indian currency according to Import Trade Regulation of India. Unless otherwise specified, it will be assumed that an agency commission is not involved in the particular Bid. Further, Bidders are requested to submit their bid directly and not through their agents in India. Against this tender, either the Indian agent on behalf of the Principal/OEM or Principal/ OEM itself can bid but both cannot bid simultaneously for the same item/product. If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.

**17.0 DEADLINE FOR SUBMISSION OF BIDS:**

- 17.1 Bids should be submitted on-line 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 has been submitted by the bidder. Bidder may however request Head-Contracts, Oil India Ltd., Duliajan for returning their bids/quote before the original bid closing date and time for resubmission. But no such request would be entertained once the submission deadline has reached or bids are opened.
- 17.2 No bid can be submitted after the submission dead line is reached. The system time displayed on the e-procurement web page shall decide the submission dead line.
- 17.3 The documents in physical form as stated in Para 15.1 must be received by Company at the address specified in the “Forwarding Letter” on or

before 12.45 Hrs(IST) on the Bid Closing Date mentioned in the "Forwarding Letter". Timely delivery of the same at the address mentioned in the Forwarding Letter is the responsibility of the Bidders.

**18.0 LATE BIDS:**

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

**19.0 MODIFICATION AND WITHDRAWAL OF BIDS:**

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

19.2 The Bidder's modification or withdrawal notice may also be sent by fax/e-mail but followed by a signed confirmation copy, postmarked not later than the deadline for submission of Bids.

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

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

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

**20.0 EXTENSION OF BID SUBMISSION DATE :**

Normally no request for extension of Bid Closing Date & Time will be entertained. However, OIL at its discretion, may extend the Bid Closing Date and/or Time due to any reasons. In case of receipt of only one Bid on the Bid Closing Date and Time, OIL may extend the Bid Closing /Opening Date by 2(two) weeks. However, the bidder whose bid has been received within the bid closing date and time, will not be allowed to revise their Bid/prices. Withdrawal of such Bid is also not permitted.

**21.0 BID OPENING AND EVALUATION:**

21.1 Company will open the Technical Bids, including submission made pursuant to clause 19.0, in presence of Bidder's representatives who choose to attend at the date, time and place mentioned in the Forwarding Letter. However, an authorisation letter (as per **Proforma-I**) from the Bidder must be produced by the Bidder's representative at the

time of Bid Opening. Unless this Letter is presented, the representative will not be allowed to attend the Bid Opening. The Bidder's representatives who are allowed to attend the Bid Opening shall sign a register evidencing their attendance. Only one representative against each Bid will be allowed to attend. In technical bid opening, only "Technical RFx Response" will be opened. Bidders therefore should ensure that technical bid is uploaded in the "Technical RFx Response" Tab Page only in the E-portal.

- 21.2 In case of any unscheduled holiday or Bandh on the Bid Opening Date, the Bids will be opened on the next full working day. Accordingly, Bid Closing Date / time will get extended up to the next working day and time.
- 21.3 Bid for which an acceptable notice of withdrawal has been received pursuant to clause 19.0 shall not be opened. Company will examine bids to determine whether they are complete, whether requisite Bid Securities have been furnished, whether documents have been digitally signed and whether the bids are generally in order.
- 21.4 At bid opening, Company will announce the Bidder's names, written notifications of bid modifications or withdrawal, if any, the presence of requisite Bid Security, and such other details as the Company may consider appropriate.
- 21.5 Company shall prepare, for its own records, minutes of bid opening including the information disclosed to those present in accordance with the sub-clause 21.3.
- 21.6 Normally no clarifications shall be sought from the Bidders. However, for assisting in the evaluation of the bids especially on the issues where the Bidder confirms compliance in the evaluation and contradiction exists on the same issues due to lack of required supporting documents in the Bid(i.e. document is deficient or missing), or due to some statement at other place of the Bid(i.e. reconfirmation of confirmation) or vice versa, clarifications may be sought by OIL. In all the above situations, the Bidder will not be allowed to change the basic structure of the Bid already submitted by them and no change in the price or substance of the Bid shall be sought, offered or permitted.
- 21.7 Prior to the detailed evaluation, Company will determine the substantial responsiveness of each bid to the requirement of the Bid Documents. For purpose of these paragraphs, a substantially responsive bid is one, which conforms to all the terms and conditions of the Bid Document without material deviations or reservation. A material deviation or reservation is one which affects in any way substantial way the scope, quality, or performance of work, or which limits in any substantial way, in-consistent way with the Bid Documents, the Company's right or the

bidder's obligations under the contract, and the rectification of which deviation or reservation would affect unfairly the competitive position of other bidders presenting substantial responsive bids. The Company's determination of Bid's responsiveness is to be based on the contents of the Bid itself without recourse to extrinsic evidence.

- 21.8 A Bid determined as not substantially responsive will be rejected by the Company and may not subsequently be made responsive by the Bidder by correction of the non-conformity.
- 21.9 The Company may waive minor informality or nonconformity or irregularity in a Bid, which does not constitute a material deviation, provided such waiver, does not prejudice or affect the relative ranking of any Bidder.

## **22.0 OPENING OF PRICED BIDS:**

- 22.1 Company will open the Priced Bids of the technically qualified Bidders on a specific date in presence of representatives of the qualified bidders. The technically qualified Bidders will be intimated about the Priced Bid Opening Date & Time in advance. In case of any unscheduled holiday or Bandh on the Priced Bid Opening Date, the Bids will be opened on the next working day.
- 22.2 The Priced bids of the unsuccessful bidders which remain unopened with OIL, may be returned to the concerned bidders on request only after receipt of Performance Security from the successful bidders after issue of Letter of Award (LOA) by OIL.
- 22.3 The Company will examine the Price quoted by Bidders to determine whether they are complete, any computational errors have been made, the documents have been properly signed, and the bids are generally in order.
- 22.4 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price (that is obtained by multiplying the unit price and quantity) the unit price shall prevail and the total price shall be corrected accordingly. If there is a discrepancy between words, and figures, the amount in words will prevail. If any Bidder does not accept the correction of the errors, their Bid will be rejected.

## **23.0 CONVERSION TO SINGLE CURRENCY:**

While evaluating the bids, the closing rate of exchange declared by State Bank of India on the day prior to price bid opening will be taken into account for conversion of foreign currency into Indian Rupees. Where the time lag between the opening of the price bids and final decision exceeds three months, the rate of exchange declared by State Bank of

India on the date prior to the date of final decision will be adopted for conversion.

**24.0 EVALUATION AND COMPARISON OF BIDS:**

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

**24.1 DISCOUNTS / REBATES:**

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

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

**24.3 LOADING OF FOREIGN EXCHANGE:**

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

**24.4 EXCHANGE RATE RISK:**

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

**24.5 REPATRIATION OF RUPEE COST:**

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

**25.0 CONTACTING THE COMPANY:**

25.1 Except as otherwise provided in Clause 21.0 above, no Bidder shall contact Company on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded except as required by Company vide sub-clause 21.7.

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

**D. AWARD OF CONTRACT**

**26.0 AWARD CRITERIA:**

The Company will award the Contract to the successful Bidder whose bid has been determined to be substantially responsive and has been

determined as the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.

**27.0 COMPANY'S RIGHT TO ACCEPT OR REJECT ANY BID:**

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

**28.0 NOTIFICATION OF AWARD:**

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

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

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

**29.0 PERFORMANCE SECURITY:**

29.1 Within 2(two) weeks of receipt of notification of award from the Company, the successful Bidder shall furnish to Company the Performance Security for an amount specified in the Forwarding Letter(and Letter of Award(LOA) issued by Company to Contractor awarding the contract) as per **Proforma-F** or in any other format acceptable to the Company and must be in the form of Bank Guarantee(BG) or an irrevocable Letter of Credit(L/C) from any of the following Banks :

- i) Any Nationalised / Scheduled Bank in India OR
- ii) Any Indian branch of a Foreign Bank OR
- iii) Any reputed foreign Bank having correspondent Bank in India

The Performance Security shall be denominated in the currency of the contract or in equivalent US Dollars converted at the B.C. Selling rate of State Bank of India on the date of issue of LOA(Letter of Award). Bank Guarantees issued by Banks in India should be on non-judicial stamp paper of requisite value, as per Indian Stamp Act, purchased in the name of the Banker.

29.2 The Performance Security specified above must be valid for 3(three) months (covering the warranty period) plus 3 months to lodge claim, if any, beyond the contract period. The Performance Security will be

discharged by Company not later than 30 days following its expiry. In the event of any extension of the Contract period, Bank Guarantee should be extended by Contractor by the period equivalent to the extended period.

- 29.3 The Performance Security shall be payable to Company as compensation for any loss resulting from Contractor's failure to fulfill its obligations under the Contract.
- 29.4 The Performance Security will not accrue any interest during its period of validity or extended validity.
- 29.5 Failure of the successful Bidder to comply with the requirements of clause 29.0 and/or 30.0 shall constitute sufficient grounds for annulment of the award and forfeiture of the Bid Security or Performance Security. In such an eventuality, the party shall be debarred for a period of 2(two) years from the date of default.

**30.0 SIGNING OF CONTRACT:**

- 30.1 At the same time as the Company notifies the successful Bidder that its Bid has been accepted, the Company will either call the successful Bidder for signing of the agreement or send the Contract Form provided in the Bid Documents, along with the General & Special Conditions of Contract, Technical Specifications, Schedule of Rates incorporating all agreements agreed between the two parties.
- 30.2 Within 30 days of issue of LOA, the successful Bidder shall sign and date the contract and return it to the Company. Till the contract is signed, the LOA issued to the successful bidder shall remain binding amongst the two parties.
- 30.3 In the event of failure on the part of the successful Bidder to sign the contract within the period specified above or any other time period specified by Company, OIL reserves the right to terminate the LOA issued to the successful Bidder and invoke the Bid Security or the Performance Security if submitted by the successful Bidder. The party shall also be debarred for a period of 2(two) years from the date of default.

**31.0 FURNISHING FRAUDULENT INFORMATION/DOCUMENTS:**

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

### **32.0 CREDIT FACILITY:**

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

### **33.0 MOBILISATION ADVANCE PAYMENT:**

- 33.1 Request for advance payment shall not be normally considered. However, depending on the merit and at the discretion of the Company, advance against mobilisation charge may be given at an interest rate of 1% above the prevailing Bank rate (CC rate) of SBI from the date of payment of the advance till recovery/refund.
- 33.2 Advance payment agreed to by the Company shall be paid only against submission of an acceptable bank guarantee whose value should be equivalent to the amount of advance plus the amount of interest covering the period of advance. Bank guarantee shall be valid for 2 months beyond completion of mobilisation and the same may be invoked in the event of Contractor's failure to mobilise as per agreement.
- 33.3 In the event of any extension to the mobilisation period, Contractor shall have to enhance the value of the bank guarantee to cover the interest for the extended period and also to extend the validity of bank guarantee accordingly.

### **34.0 INTEGRITY PACT :**

- 34.1 OIL shall be entering into an Integrity Pact with the Bidders as per format enclosed vide **Annexure-A** of the Bid Document. The Integrity Pact has been duly signed digitally by OIL's competent signatory and uploaded in the OIL's e-portal. The Integrity Pact shall be returned by the bidder (along with the technical Bid) duly signed by the same signatory who signed the Bid i.e. who is duly authorized to sign the Bid. Any Bid not accompanied by the Integrity Pact Proforma duly signed by the bidder shall be rejected straightway. 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.
- 34.2 OIL has appointed Shri N. Gopaldaswami, IAS(Retd), Ex-CEC and Shri R. C. Agarwal, IPS(Retd) as Independent Monitors(IEMs) for a period of 3(three) years to oversee implementation of Integrity Pact in OIL. Bidders may contact the Independent Monitors for any matter relating to the IFB at the following addresses :

- a. Shri N. Gopaldaswami, IAS(Retd), Ex-CEC, Phone No. : 91-44-2834-2444(Res), 91-9600144444(Cell) ; E-mail : [gopaldaswamin@gmail.com](mailto:gopaldaswamin@gmail.com)

- b. Shri R. C. Agarwal, IPS(Retd), Phone No. : 91-11-22752749(Res), 91-9810787089(Cell) ; E-mail : rcagarwal@rediffmail.com

**35.0 LOCAL CONDITIONS:**

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

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

**36.0 SPECIFICATIONS:**

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

**END OF PART - 1**

**&&&&**

## PART – 2

### **BID REJECTION CRITERIA (BRC)/BID EVALUATION CRITERIA(BEC)**

- I) BID REJECTION CRITERIA (BRC):** The bid shall conform generally to the specifications and terms and conditions given in this bid document. Bids shall be rejected in case the services offered do not conform to required parameters stipulated in the technical specifications. Notwithstanding the general conformity of the bids to the stipulated specifications, the following requirements will have to be particularly met by the Bidders without which the same will be considered as non-responsive and rejected.
- A) TECHNICAL: Bidder must meet the following criteria failing which offer shall be rejected:**
- 1.0 EXPERIENCE:** The bidder must have the following experience during the last 7 years as on bid closing date:
- i) Minimum one year continuous experience of providing drilling services with minimum 1400 HP rig capacity on charter hire basis.
  - ii) Drilling of at least 5 (five) Nos. oil/gas wells with drilling rig of minimum 1400 HP capacity out of which one well should be of depth range 3500 Mtrs. minimum.
- 2.0** The bidder shall have an average Annual financial turnover of minimum Rs. 39.78 Crores or USD 6.63 Million during the last 3(three) years ending 31.03.13(for Accounting Year April-March) and 31.12.12(for calendar Year Accounting year). Documentary evidence in the form of Audited Balance Sheet and Profit & Loss Account for the last three years ending 31.03.13 or 31.12.12 as applicable should be submitted along with the technical bid.
- 2.1** In case the audited Balance sheet and Profit Loss Account along with the bid are in currencies other than INR or USD, the bidder shall have to convert the figures in equivalent INR or USD considering the prevailing conversion rate on the date on which the audited Balance sheet and Profit and Loss Account is signed.
- 3.0** In case, the bidder is an Indian Company/Indian joint venture Company, either the Indian Company/Indian Joint Venture Company or its technical collaborator/joint venture partner should meet the criteria laid down at Para 1.0 above. However, the Indian Company/ Indian joint venture Company must meet the financial turnover criteria as per Para 2.0 above.

4.0 Indian bidders quoting based on technical collaboration/joint venture, shall submit a Memorandum of Understanding/Agreement with their technical collaborator/joint venture partner clearly indicating their roles under the scope of work which shall also be addressed to OIL and shall remain valid and binding for the contract period under this tender.

5.0 **BIDS FROM CONSORTIUM:**

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

- (a) The Leader of the consortium should satisfy the minimum experience requirement as per Para 1.0 above. However, any one of the consortium members individually shall have to meet the financial turnover criteria mentioned in Para 2.0 above.
- (b) Consortium bids shall be submitted with a Memorandum of Understanding between the consortium members duly signed by the authorized Executives of the consortium members clearly defining the role/scope of work of each partner/member, binding the members jointly and severally to the responsibility for discharging all obligations under the contract and identifying the Leader of Consortium. Unconditional acceptance of full responsibility for executing the 'Scope of Work' of this bid document by the Leader of the Consortium shall be submitted along with the technical bid.
- (c) Only the Leader of the consortium shall buy the bid document, submit bid and sign the contract agreement (in the event of award of contract) on behalf of the consortium.
- (d) The Bid Security shall be in the name of the Leader of the consortium on behalf of consortium with specific reference to consortium bid and name & address of consortium members. Similarly the Performance Security shall be in the name of the Leader on behalf of the consortium.

**6.0 DRILLING RIG**

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

6.2 **Identification of rig**

- i) All the bidders are required to identify the rigs at the time of submission of bid with documentary proof thereof, confirming availability of the rig for this contract.

- ii) In case owner of the rig himself is the bidder, the certificate confirming availability of the rig for this contract, shall be furnished by owner himself.
- iii) In case of leased rig/proposed purchase of rig, the bidders who do not own the Rig at the time of submission of bid, are required to submit along with un-priced bid, i.e. Technical bid, the original Memorandum of Understanding/Agreement of lease/purchase of rig, concluded with the owner of the rig, specially for this tender, with documentary proof of ownership of the rig in the form of registration certificate of the rig. The above MOU/Agreement must be valid through validity of the bid. In case of leased rig, the successful bidder shall be required to keep the MOU/Agreement valid for the period of contract and any extension thereof.
- iv) Bidder may identify more than one rig for each of the rig offered against tender requirement, giving complete technical details for evaluation along with copy of MOU/Agreement for this tender. Bidders will have to mobilise the rig out of these identified rigs, which are found acceptable to OIL.
- v) Offers with identified Rigs but with the condition “subject to availability” may be considered for techno-commercial evaluation. The bidders, however, shall have to confirm the availability of the rig along with valid original MOU, seven days prior to price bid opening. The date of price bid opening will be intimated to the bidder subsequently. Bidders who fail to confirm availability of rig will not be considered for price bid opening and would not be considered for award of contract also.
- vi) Bidder would not be allowed to substitute the rig once offered by them in their bid during the period of bid validity. If more than one rig is offered by a bidder, all the rigs would be techno-commercially evaluated. The bidder can mobilise any one of the rigs found techno-commercially acceptable by OIL but the name of the rig to be mobilised by the bidder would have to be furnished by them within 15 days of issue of letter of award.

6.2.1 The horsepower rating of the rig offered should be minimum 1400 HP. Further the rig offered should be Diesel Electric, having self elevating mast and sub-structure (as per API standard) and also suitable for cluster location (1 + 3 Wells). The detail of the rig is given in Section-II in Bid Document. Spacing between wells at surface on cluster well plinth is 18m (approx). Bidders must confirm compliance of the same.

6.3 The offered Rig should not be more than 10 years old. Bidders must submit the certificate of year of manufacture from the Rig manufacturer.

- 6.4 Further, the drilling unit offered should have a residual life of 7 years as on the bid closing date of the tender. The bidder's declaration on the present condition of the offered drilling unit and its residual life along with a certificate issued by an internationally reputed inspection and certification agency listed in Para 6.5 below to this effect should be submitted. The certificate should clearly indicate the residual life broadly of the mast, all engines, draw-works, rotating system, hoisting system, mud pumps, tackle system, BOPs, service engine and pump, motors etc. In case offer is made for a brand new rig, the certificate for residual life is not necessary.
- 6.5 The inspection and certification should be done by any of the following inspection agency for inspection of the rig and the cost of the third party inspection will be borne by the bidder.
- (a) DNV
  - (b) ABS
  - (c) BV
  - (d) LLOYDS
  - (e) Oilfield Audit Services
- 6.6 The rig should be capable of drilling wells, fulfilling "Scope of Work" and conforming to the technical specification as laid down in the bid document.
- 7.0 The bidder shall submit the lay-out drawing of the offered rigs in the Technical bid along with the confirmation that foundation design and detailed working drawing and Load Bearing Diagram would be submitted within 15 days from the date of issue of Letter of Award.
- 8.0 Offers indicating mobilisation time more than 210 days from the date of issuance of Letter of Award (LOA) will be summarily rejected.
- 9.0 The bidder must confirm to provide the key personnel with requisite experience and qualification as specified in Clause 7.6(I) (personnel to be deployed) under Section-II, Terms of Reference, Area Manager/Rig Superintendent, Tool Pusher, Tour pusher and Driller should possess valid International Well Control (IWCF) certificate and should be fluent in English.
- 10.0 The Bidder must confirm to provide complete rig package as specified under Section-II of the Bid Document failing which, the bid will be rejected.

## 11.0 **DOCUMENTS**

11.1 Bidders must furnish documentary evidences in support of fulfilling all the above requirement as under:

- (a) Rig offered– documents relating to rig already in possession or propose to own/lease along with technical specifications / details.
- (b) Vintage and residual life of the offered rig as per Para 6.3 & 6.4 above.
- (c) Drilling experience of bidder– Statement to be furnished by bidder in a tabular form along with copies of contracts/work orders along with completion certificates/payment certificates issued by the clients.
- (d) Financial turnover of bidder– Audited balance sheets/profit and loss accounts etc.
- (e) MOU or legally acceptable documents in support of tie-up arrangements along with the technical bid.

All documents submitted with bid must be self-certified by the bidder's authorized person signing the bid.

12.0 Bidder while submitting the documents in support of their experience vide Clause 1.0 above shall also submit details of experience and past performance or the collaborator (in case of collaboration) or of joint venture partner (in case of a joint venture), or Leader of the consortium (in case of Consortium bid) on works/jobs done of similar nature in the past along with the technical bid. Also, details of current work in hand and other contractual commitments of the bidder (indicating areas and clients) are to be submitted along with documentary experience in the technical bid in support of the experience laid down in Para 1.0 above.

13.0 Any party who is extending technical support by way of entering into technical collaboration with another party, shall not be allowed to submit an independent Bid against the tender and such bids shall be rejected straightway. Further, all bids from parties with technical collaboration support from the same Principal will be rejected.

## **B. COMMERCIAL – BID SUBMISSION**

1.0 Bids shall be submitted under single stage two Bid system i.e. Technical Bid and Priced Bid separately in the OIL's e-Tender portal. The Technical Bid is to be uploaded as per Scope of Work & Technical Specification of the tender in **“Technical RFX Response” Tab** and Priced Bid as per Proforma-B uploaded in the **“Notes & Attachments” Tab**. Bids shall be rejected outright if the prices are indicated in the

technical bids. Bids not conforming to this two bid system shall be rejected outright.

- 2.0 Bidder shall offer firm prices. Price quoted by the successful bidder must remain firm during the execution of the contract and not subject to variation on any account.
- 3.0 Bids with shorter validity will be rejected as being non-responsive.
- 4.0 Bid Security in Original shall be furnished as a part of the Technical Bid and shall reach OIL's Head-Contract's office at Duliajan on or before 12.45 Hrs(IST) on the bid closing date. A scanned copy of the bid security shall however be uploaded in OIL's E-Procurement portal along with the Technical Bid. The amount of Bid Security shall be as specified in the Forwarding Letter of the Bid Document. Bid without proper & valid Bid Security will be rejected.
- 5.0 The Integrity Pact must be uploaded in OIL's E-Procurement portal along with the Technical Bid digitally signed by the same signatory who digitally signed the Bid i.e. who is duly authorized to sign the Bid. Bids without the Integrity Pact digitally signed by the bidder shall be rejected straightway.
- 6.0 Physical Bids, if any received from the bidders, shall not be considered and will be rejected.
- 7.0 Bids submitted after the Bid Closing Date and Time will be rejected.
- 8.0 Bids received through the e-procurement portal shall only be accepted. Bids received in any other form shall not be accepted.
- 9.0 The bid documents are non-transferable. Bid can only be submitted in the name of the bidder in whose name the User ID and Password have been issued. Unsolicited bids will not be considered and will be straightway rejected.
- 10.0 Bids shall be typed or written in indelible ink and shall be digitally signed by the bidder or his authorised representative.
- 11.0 Any physical documents wherever called for, submitted by bidders shall contain no interlineations, white fluid erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such correction shall be initialled by the person or persons who has/have digitally signed the Bid.
- 12.0 Any Bid containing false statement will be rejected.

- 13.0 Bidders must quote clearly and strictly in accordance with the price schedule outlined in “Price Bid Format” of Bid Document, otherwise the Bid will be summarily rejected.
- 14.0 Against this tender, either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product.
- 14.1 If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.
- 15.0 Bidder must accept and comply with the following clauses as given in the Bid Document in toto failing which bid will be rejected –
- i) Performance Guarantee Clause
  - ii) Force Majeure Clause
  - iii) Tax Liabilities Clause
  - iv) Arbitration Clause
  - (iv) Acceptance of Jurisdiction and Applicable Law
  - (v) Liquidated damage and penalty clause
  - (vi) Safety & Labour Law
  - (vii) Termination Clause
  - (viii) Integrity Pact

**C. GENERAL**

- 1.0 In case bidder takes exception to any clause of bid 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 reserves the right to ask the bidder for clarification in respect of bidders.
- 2.0 To ascertain the substantial responsiveness of the Bid the Company reserves the right to ask the bidder for clarifications in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the Company, failing which the offer will be summarily rejected.
- 3.0 If any of the clauses in the BRC contradict with other clauses of the Bid Document elsewhere, then the clauses in the BRC shall prevail.

**II. BID EVALUATION CRITERIA:**

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

- 2.0 If there is any discrepancy between the unit price and the total price, the unit price will prevail and the total price shall be corrected. Similarly, if there is any discrepancy between words and figure, the amounts in words shall prevail and will be adopted for evaluation.
- 3.0 For conversion of foreign currency into Indian currency for evaluation of Bids, B.C. selling (Market) rate declared by State Bank of India, one day prior to the date of priced bid opening shall be considered. However, if the time lag between the opening of the bids and final decision exceeds 3(three) months, then B.C. Selling(Market) rate of exchange declared by SBI on the date prior to the date of final decision shall be adopted for conversion and evaluation.
- 4.0 The contract will be signed with successful bidder for 3 years of operation with provision for extension. Depending on the performance of the Contractor, the Company reserves the right to extend the contract for one year under the same rate, terms and conditions. However, Bids will be evaluated on total cost for 3 years of operation only as per BEC.
- 5.0 Bidders shall note following:
- (a) Payment towards mobilisation of the rig package shall not exceed 7.5% of the total contract price for 3 years. However, mobilization charges if quoted in excess of 7.5% of the estimated contract cost, the excess amount shall be paid at the end of the contract.
  - (b) Payment towards Standby time rate shall be 90% of the operating date rate.
  - (c) Payment towards rig Repair day rate shall be 60% of operating day rate.
  - (d) Payment towards Force Majeure day rate shall be 50% of operating day rate.
  - a) Present rate of customs duty is NIL as Rig will be deployed in OIL's eligible area of operation.

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

- 6.0 The quantities shown against each item in the "Price Bid Format (i.e. in Proforma-B)" shall be considered for the purpose of Bid Evaluation. It is, however, to be clearly understood that the assumptions made in respect of the number of days/ parameters for various operations are only for

the purpose of evaluation of the bid and the Contractor will be paid on the basis of the actual number of days/parameter, as the case may be.

- 7.0 The bidders must quote their charges / rates in the manner as called for vide “Schedule of Rates” under **Section - IV** and the summarized price schedule format vide enclosed **Proforma -B**.
- 8.0 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 CONTRACT COST, T =  
TM + TD + TOP + TILMO + TILM1 + TILM + TBCM**

**WHERE**

- i) Total Mobilisation charges, Lump sum, One time only, **TM = M**
- ii) Total Demobilisation charge, Lump sum, One time only, **TD = D**
- iii) Total Operating day rate charge, **TOP = ODR x 960 days**
- iv) Total Inter-Location Movement charge (Cluster location) Lump sum, **TILMO = ILMO x 2**
- v) Total Inter-location movement Charges (for move within a distance of 30 Kms), **TILM1 = ILM1 x 9**
- vi) Total Inter-location Movement charges on Kilometerage basis for movement in excess of 30 Km, **TILM = ILM x 200**
- vii) Total Base Camp Shift charge, **TBCM = BCM x 6**

**NOTE:** The items M, D, ODR, ILMO, ILM1, ILM, BCM are as defined in Schedule of Rates (Section -IV)

9.0 **Granting of Price Preference to Domestic Bidders (applicable to ICB tenders only)**

Domestic bidders would be entitled to a price preference up to ten percent (10%) over the lowest acceptable (evaluated) Foreign bid subject to value addition. For ensuring value addition and eligibility for price preference, domestic bidders should provide all evidence necessary to prove that they meet the following criteria:

- (a) Be registered within India  
(b) Have majority ownership by Nationals of India

- (c) Not sub-contract more than 80% of the works measured in terms of value, to Foreign contractors.

For meeting the criteria at (c) above, domestic bidders should obtain a certificate in original from practicing Statutory Auditor engaged by them for auditing their annual accounts, which could establish that not more than 80% of the works measured in terms of value has been sub-contracted to Foreign contractors. The original certificate indicating various sub-contracting details in percentage terms as well as in absolute value should be submitted in the priced bid. However, a copy of the Statutory Auditor's certificate indicating various sub-contracting details in percentage terms only and with price details should be submitted in the un-priced bid.

Consortium between domestic(Indian) and foreign firms led by Indian firm shall also be eligible for the price preference provided they fulfill the conditions of price preference given for domestic bidder at (a), (b) & (c) above.

However Consortium between domestic and foreign firms led by foreign firms shall not be eligible for price preference even though their domestic partner satisfies the conditions given for domestic bidder at (a), (b) & (c) above.

It must be noted that above information so furnished, if at any stage found wrong, incorrect or misleading, will attract action as per rules/law.

The bidders are requested to check the latest position on the subject on their own and OIL does not accept any liability whatsoever on this account.

- 10.0 **CUSTOMS DUTY** : The drilling units and the services under this Contract shall be carried out in ML/PEL areas of the Company which have been issued or renewed to Company after 01/04/99 and therefore, Customs Duty on the imports under this Contract presently shall be Nil. Bidders should take note of the same while quoting. No customs duty is therefore considered for evaluation.

**END OF PART - 2**

**&&&&**

## **SECTION-I**

### **GENERAL CONDITIONS OF CONTRACT**

1.0 **DEFINITIONS:**

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

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

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

2.1 **EFFECTIVE DATE:** The contract shall become effective as of the date Company notifies Contractor in writing (through Letter of Award) that it has been awarded the contract.

2.2 **MOBILISATION TIME:** The mobilisation of the Drilling Unit and associated services shall commence on the date Company notifies the Contractor in writing that the Contractor has been awarded the Contract. The date on which Contractor's Rig Unit & accessories along with the personnel, necessary tools equipment etc. are properly positioned at the first drilling location, rig up operation completed and the well is actually spudded, will be treated as completion of

mobilisation. The mobilization of the Drilling Rig package, its equipment/accessories, personnel etc. should be completed by Contractor within 210 days from the Effective Date of the Contract.

- 2.3 **DATE OF COMMENCEMENT OF CONTRACT:** The date on which the mobilization is completed in all respects is treated as date of Commencement of Contract.
- 2.4 **DURATION OF CONTRACT:** The contract shall be initially for a period of 3(Three) years from the commencement date with an option to extend the contract period for another 1(one) year at the discretion of Company at the same rates, terms and conditions. The terms and conditions shall continue until the completion/ abandonment of the last well being drilled at the time of the end of the Contract.
- 3.0 **GENERAL OBLIGATIONS OF CONTRACTOR:** Contractor shall, in accordance with and subject to the terms and conditions of this Contract:
- 3.1 Perform the work described in the Terms of Reference (Section II) in most economic and cost effective manner.
- 3.2 Except as otherwise provided in the Terms of Reference and the special Conditions of the contract provide all labour as required to perform the work.
- 3.3 Perform all other obligations, work and services which are required by the terms of this contract or which reasonably can be implied from such terms as being necessary for the successful and timely completion of the work.
- 3.4 Contractor shall be deemed to have satisfied himself before submitting his bid as to the correctness and sufficiency of its bid for the services required and of the rates and prices quoted, which rates and prices shall, except insofar as otherwise provided, cover all its obligations under the contract.
- 3.5 Contractor shall give or provide all necessary supervision during the performance of the services and as long thereafter within the warranty period as Company may consider necessary for the proper fulfilling of Contractor's obligations under the contract.
- 4.0 **GENERAL OBLIGATIONS OF THE COMPANY:** Company shall, in accordance with and subject to the terms and conditions of this contract:
- 4.1 Pay Contractor in accordance with terms and conditions of the contract.

4.2 Allow Contractor and his personnel access, subject to normal security and safety procedures, to all areas as required for orderly performance of the work.

4.3 Perform all other obligations required of Company by the terms of the contract.

5.0 **PERSONNEL TO BE DEPLOYED BY CONTRACTOR**

5.1 Contractor warrants that they will provide competent, qualified and sufficiently experienced personnel to perform the work correctly and efficiently and shall ensure that such personnel observe applicable Company and statutory safety requirement. Upon Company's written request, Contractor, entirely at their own expense, shall remove immediately, from assignment to the work, any personnel of the Contractor determined by the Company to be unsuitable and shall promptly replace such personnel with personnel acceptable to the Company without affecting Company's work.

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

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

6.0 **WARRANTY AND REMEDY OF DEFECTS**

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

6.2 Should Company discover at any time during the tenure of the Contract or within 3(three) months after completion of the operations that the Work does not conform to the foregoing warranty, Contractor shall after receipt of notice from Company, promptly perform any and all corrective work required to make the services conform to the Warranty. Such corrective Work shall be performed entirely at Contractor's own expenses. If such corrective Work is not performed within a reasonable time, the Company, at its option may have such remedial Work performed by others and charge the cost thereof to Contractor which the Contractor must pay promptly. In case Contractor fails to perform remedial work, or pay promptly in respect thereof, the performance security shall be forfeited.

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

7.1 Contractor shall not, without Company's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing pattern, sample or information furnished by or on behalf of Company in connection therewith, to any person other than a person employed by Contractor in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far, as may be necessary for purposes of such performance.

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

7.3 Any document supplied to the Contractor in relation to the contract other than the Contract itself remain the property of Company and shall be returned (in all copies) to Company on completion of Contractor's performance under the Contract if so required by Company. All information obtained by Contractor in the conduct of operations and the information/maps provided to the Contractor shall be considered confidential and shall not be divulged by Contractor or its employees to anyone other than the Company's personnel. This obligation of Contractor shall be in force even after the termination of the contract.

8.0 **TAXES:**

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

8.2 Contractor shall be responsible for payment of personal taxes, if any, for all the personnel deployed in India.

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

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

- 8.5 Tax clearance certificate for personnel and corporate taxes shall be obtained by the Contractor from the appropriate Indian Tax authorities and furnished to Company within 6 months of the expiry of the tenure of the contract or such extended time as the Company may allow in this regard.
- 8.6 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.
- 8.7 Corporate and personnel taxes on Contractor shall be the liability of the Contractor and the Company shall not assume any responsibility on this account.
- 8.8 All local taxes, levies and duties, sales tax, octroi, etc. on purchases and sales made by Contractor (except customs duty) shall be borne by the Contractor.
- 8.9 Service Tax: The price excludes Services Tax and the service tax as applicable shall be to the Company account.
- 9.0 **INSURANCE:**
- 9.1 The Contractor shall arrange insurance to cover all risks in respect of their personnel, materials and equipment belonging to the Contractor or its subcontractor during the currency of the contract.
- 9.2 Contractor shall at all time during the currency of the contract provide, pay for and maintain the following insurance amongst others:
- a) Workmen compensation insurance as required by the laws of the country of origin of the employee.
  - b) Employer's Liability Insurance as required by law in the country of origin of employee.
  - c) General Public Liability Insurance 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 fulfill the provisions under this contract.
  - d) Contractor's equipment used for execution of the work hereunder shall have an insurance cover with a suitable limit (as per international standards).
  - e) Automobile Public Liability Insurance covering owned, non-owned and hired automobiles used in the performance of the work hereunder, with bodily injury limits and property damage limits as governed by Indian Insurance regulations.
  - f) Public Liability Insurance as required under Public Liability Insurance Act 1991.

- 9.3 Contractor shall obtain additional insurance or revise the limits of existing insurance as per Company's request in which case additional cost shall be to Contractor's account.
- 9.4 Any deductible set forth in any of the above insurance shall be borne by Contractor.
- 9.5 Contractor shall furnish to Company prior to commencement date, certificates of all its insurance policies covering the risks mentioned above.
- 9.6 If any of the above policies expire or are cancelled during the term of this contract and Contractor fails for any reason to renew such policies, then the Company will renew/replace same and charge the cost thereof to Contractor. Should there be a lapse in any insurance required to be carried out by the Contractor for any reason whatsoever, loss/damage claims resulting therefrom shall be to the sole account of Contractor.
- 9.7 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.
- 9.8 All insurance taken out by Contractor or his sub-Contractor shall be endorsed to provide that the underwriters waive their rights of recourse on the Company.
- 10.0 **CHANGES:**
- 10.1 During the performance of the work, Company may make a change in the work within the general scope of this Contract including, but not limited to, changes in methodology, and minor additions to or deletions from the work to be performed. Contractor shall perform the work as changed. Changes of this nature will be affected by written order (Change Order) by the Company.
- 10.2 If any change result in an increase in compensation due to Contractor or in a credit due to Company, Contractor shall submit to Company an estimate of the amount of such compensation or credit in a form prescribed by Company. Such estimates shall be based on the rates shown in the Schedule of Rates (Section IV). Upon review of Contractor's estimate, Contractor shall establish and set forth in the Change Order the amount of the compensation or credit for the change or a basis for determining a reasonable compensation or credit for the change. If Contractor disagrees with compensation or credit set forth in the Change Order, Contractor shall nevertheless perform the work as changed, and the parties will resolve the dispute in accordance with Clause 13 hereunder. Contractor's performance of the work as changed

will not prejudice Contractor's request for additional compensation for work performed under the Change Order.

**11.0 FORCE MAJEURE:**

11.1 In the event of either party being rendered unable by 'Force Majeure' to perform any obligation required to be performed by them under the contract, the relative obligation of the party affected by such 'Force Majeure' will stand suspended as provided herein. The word 'Force Majeure' as employed herein shall mean acts of God, war, revolt, agitation, strikes, riot, fire, flood, sabotage, civil commotion, road barricade (but not due to interference of employment problem of the Contractor) and any other cause, whether of kind herein enumerated or otherwise which are not within the control of the party to the contract and which renders performance of the contract by the said party impossible.

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

11.3 Should 'force majeure' condition as stated above occurs and should the same be notified within seventy two (72) hours after its occurrence the 'force majeure rate' shall apply for the first ten days. Either party will have the right to terminate the contract if such 'force majeure' condition continues beyond fifteen (15) days with prior written notice. Should either party decide not to terminate the contract even under such condition, no payment would apply after expiry of fifteen(15) days period unless otherwise agreed to. Time for performance of the relative obligation suspended by the 'Force Majeure' shall then stand extended by the period for which such cause lasts.

**12.0 TERMINATION:**

12.1 **TERMINATION ON EXPIRY OF THE TERMS (DURATION):** This contract shall be deemed to have been automatically terminated on the expiry of duration of the contract or extension, if any, thereof.

12.2 **TERMINATION ON ACCOUNT OF FORCE MAJEURE:** Either party shall have the right to terminate this Contract on account of Force Majeure as set forth in Article 11.0 above.

12.3 **TERMINATION ON ACCOUNT OF INSOLVENCY:** In the event that the Contractor at any time during the term of this Contract, becomes insolvent or makes a voluntary assignment of its assets for the benefit of creditors or is adjudged bankrupt, then the Company shall, by a notice in writing have the right to terminate this Contract and all the

Contractor's rights and privileges hereunder, shall stand terminated forthwith.

- 12.4 **TERMINATION FOR UNSATISFACTORY PERFORMANCE:** If the Company considers that, the performance of the Contractor is unsatisfactory, or not up to the expected standard, the Company shall notify the Contractor in writing and specify in details the cause of the dissatisfaction. The Company shall have the option to terminate this 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,
- 12.5 **TERMINATION DUE TO CHANGE OF OWNERSHIP & ASSIGNMENT:** In case the Contractor's rights and /or obligations under this Contract and/or the Contractor's rights, title and interest to the equipment/material, are transferred or assigned without the Company's consent, the Company may at its absolute discretion, terminate this Contract.
- 12.6 If at any time during the term of this Contract, breakdown of Contractor's equipment results in Contractors being unable to perform their obligations hereunder for a period of 15 successive days, Company at its option, may terminate this Contract in its entirety without any further right or obligation on the part of the Company, except for the payment of money then due. No notice shall be served by the Company under the condition stated above.
- 12.7 Notwithstanding any provisions herein to the contrary, the Contract may be terminated at any time by the company on giving 15 (fifteen) days written notice to the Contractor due to any other reason not covered under the above clause from 12.1 to 12.6 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.
- 12.8 **CONSEQUENCES OF TERMINATION:** In all cases of termination herein set forth, the relative obligations of the parties to the Contract shall be limited to the period up to the date of termination. Notwithstanding the termination of this Contract, the parties shall continue to be bound by the provisions of this Contract that reasonably require some action or forbearance after such termination.
- 12.9 Upon termination of this Contract, Contractor shall return to Company all of Company's items, which are at the time in Contractor's possession.
- 12.10 In the event of termination of contract, Company will issue Notice of termination of the contract with date or event after which the

contract will be terminated. The contract shall then stand terminated and the Contractor shall demobilize their personnel & materials.

**13.0 SETTLEMENT OF DISPUTES AND ARBITRATION:**

13.1 All disputes or differences whatsoever arising between the parties out of or relating to the construction, meaning and operation or effect of this contract or the breach thereof shall be settled by arbitration in accordance with the Rules of Indian Arbitration and Conciliation Act, 1996. The venue of arbitration will be Duliajan, Assam. The award made in pursuance thereof shall be binding on the parties.

**14.0 NOTICES:**

14.1 Any notice given by one party to other, pursuant to this Contract shall be sent in writing or by telex or Fax and confirmed in writing to the applicable address specified below :

**Company**

a) **For contractual matters**  
Head (Contracts)  
OIL INDIA LIMITED  
PO DULIAJAN - 786602  
ASSAM, INDIA  
Fax No. 91-374-2803549  
Email: contracts@oilindia.in

b) **For technical matters**  
General Manager [OD&RS]  
OIL INDIA LIMITED  
PO Duliajan - 786602,  
Assam, India  
Fax No. 91-374-2804254  
Email: drilling@oilindia.in

c) **Contractor**

\_\_\_\_\_  
\_\_\_\_\_  
Fax No. :

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

**15.0 SUBCONTRACTING/ASSIGNMENT:**

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

**16.0 MISCELLANEOUS PROVISIONS:**

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

bodies and companies whose property or rights are affected or may be affected in any way by the services.

- 16.2 Contractor shall conform in all respects with the provisions of any Statute, Ordinance of Law as aforesaid and the regulations or bye-law of any local or other duly constituted authority which may be applicable to the services and with such rules and regulation public bodies and Companies as aforesaid and shall keep Company indemnified against all penalties and liability of every kind for breach of any such Statute, Ordinance or Law, regulation or bye-law.
- 16.3 During the tenure of the Contract, Contractor shall keep the site where the services are being performed reasonably free from all unnecessary obstruction and shall store or dispose of any equipment and surplus materials and clear away and remove from the site any wreckage, rubbish or temporary works no longer required. On the completion of the services, Contractor shall clear away and remove from the site any surplus materials, rubbish or temporary works of every kind and leave the whole of the site clean and in workmanlike condition to the satisfaction of the Company.
- 16.4 Key personnel cannot be changed during the tenure of the Contract except due to sickness/death/resignation of the personnel in which case the replaced person should have equal experience and qualification, which will be again subject to approval, by the Company.
- 17.0 **LIQUIDATED DAMAGES FOR DEFAULT IN TIMELY MOBILISATION:**
- 17.1 Time is the essence of this Contract. In the event of the Contractor's default in timely mobilization for commencement of operations within the stipulated period, the Contractor shall be liable to pay liquidated damages @ 0.5% of 1st year contract value including mobilization cost, per week or part thereof of delay subject to maximum of 7.5%. Liquidated Damages will be reckoned from the date after expiry of the scheduled mobilisation period till the date of commencement of Contract as defined in Clause No. 2.0 of Section - I.
- 17.2 If the Contractor fails to mobilise within 15 weeks after the stipulated date, then the Company reserves the right to cancel the Contract without any compensation whatsoever.
- 18.0 **PERFORMANCE SECURITY:** The Contractor has furnished to Company a Bank Guarantee No. \_\_\_\_\_ dated \_\_\_\_\_ issued by \_\_\_\_\_ for \_\_\_\_\_ (being 7.5 % of estimated Contract Price for 1st year) valid till \_\_\_\_\_ towards performance security. The performance security shall be payable to Company as compensation for any loss resulting from Contractor's failure to fulfill their obligations under the Contract. In the event of extension of the Contract period, the validity of the bank guarantee shall be suitably

extended by the Contractor. The bank guarantee will be discharged by Company not later than 30 days following its expiry.

- 19.0 **ASSOCIATION OF COMPANY'S PERSONNEL**: Company's engineer will be associated with the work throughout the operations. The Contractor shall execute the work with professional competence and in an efficient and workman like manner and provide Company with a standard of work customarily provided by reputed IP Survey Contractors to major international oil companies in the petroleum industry.
- 20.0 **LABOUR**: The recruitment of the labour shall be met from the areas of operation and wages will be according to the rates prevalent at the time which can be obtained from the District Authorities of the area. The facilities to be given to the labourers should conform to the provisions of labour laws as per contract Labour (Regulation and Abolition) Act, 1970.
- 21.0 **LIABILITY**:
- 21.1 Except as otherwise expressly provided, neither Company nor its servants, agents, nominees, Contractors, or sub-contractors shall have any liability or responsibility whatsoever to whomsoever for loss of or damage to the equipment and/or loss of or damage to the property of the Contractor and/or their Contractors or sub-contractors, irrespective of how such loss or damage is caused and even if caused by the negligence of Company and/or its servants, agent, nominees, assignees, contractors and sub-Contractors. The Contractor shall protect, defend, indemnify and hold harmless Company from and against such loss or damage and any suit, claim or expense resulting there from.
- 21.2 Neither Company nor its servants, agents, nominees, assignees, Contractors, sub-contractors shall have any liability or responsibility whatsoever for injury to, illness, or death of any employee of the Contractor and/or of its Contractors or sub-contractor irrespective of how such injury, illness or death is caused and even if caused by the negligence of Company and/or its servants, agents nominees, assignees, Contractors and sub-contractors. Contractor shall protect, defend, indemnify and hold harmless Company from and against such liabilities and any suit, claim or expense resulting therefrom.
- 21.3 The Contractor hereby agrees to waive its right to recourse and further agrees to cause their underwriters to waive their right of subrogation against Company and/or its underwrites, servants, agents, nominees, assignees, Contractors and sub-contractors for loss or damage to the equipment of the Contractor and/or its sub-contractors when such loss or damage or liabilities arises out of or in connection with the performance of the contract.

- 21.4 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.
- 21.5 Except as otherwise expressly provided, neither Contractor nor its servants, agents, nominees, Contractors or sub-contractors shall have any liability or responsibility whatsoever to whomsoever for loss of or damage to the equipment and/or loss or damage to the property of the Company and/or their Contractors or sub-contractors, irrespective of how such loss or damage is caused and even if caused by the negligence of Contractor and/or its servants, agents, nominees, assignees, Contractors and sub-contractors. The Company shall protect, defend, indemnify and hold harmless Contractor from and against such loss or damage and any suit, claim or expense resulting there from.
- 21.6 Neither Contractor nor its servants, agents, nominees, assignees, Contractors, sub-contractors shall have any liability or responsibility whatsoever to whomsoever for injury or illness, or death of any employee of the Company and/or of its Contractors or sub-contractors irrespective of how such injury, illness or death is caused and even if caused by the negligence of Contractor and/or its servants, agents, nominees, assignees, Contractors and sub-contractors. Company shall protect, defend indemnify and hold harmless Contractor from and against such liabilities and any suit, claim or expense resulting therefrom.
- 21.7 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.
- 21.8 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.
- 22.0 **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.

**23.0 INDEMNITY AGREEMENT:**

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

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

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

25.0 **WITHHOLDING:** Company may withhold or nullify the whole or any part of the amount due to Contractor, after informing the Contractor of the reasons in writing, on account of subsequently discovered evidence in order to protect Company from loss on account of :-

- a) For non-completion of jobs assigned as per Section-II.
- b) Contractor's indebtedness arising out of execution of this Contract.
- c) Defective work not remedied by Contractor.
- d) Claims by sub-Contractor of Contractor or others filed or on the basis of reasonable evidence indicating probable filing of such claims against Contractor.

- e) Failure of Contractor to pay or provide for the payment of salaries/ wages, contributions, unemployment compensation, taxes or enforced savings with-held from wages etc.
- f) Failure of Contractor to pay the cost of removal of unnecessary debris, materials, tools, or machinery.
- g) Damage to another Contractor of Company.
- h) All claims against Contractor for damages and injuries, and/or for non-payment of bills etc.
- i) Any failure by Contractor to fully reimburse Company under any of the indemnification provisions of this Contract. If, during the progress of the work Contractor shall allow any indebtedness to accrue for which Company, under any circumstances in the opinion of Company may be primarily or contingently liable or ultimately responsible and Contractor shall, within five days after demand is made by Company, fail to pay and discharge such indebtedness, then Company may during the period for which such indebtedness shall remain unpaid, with-hold from the amounts due to Contractor, a sum equal to the amount of such unpaid indebtedness.

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

- i) Order issued by a Court of Law in India.
- ii) Income-tax deductible at source according to law prevalent from time to time in the country.
- iii) Any obligation of Contractor which by any law prevalent from time to time to be discharged by Company in the event of Contractor's failure to adhere to such laws.
- iv) Any payment due from Contractor in respect of unauthorised imports.

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

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

**26.0 APPLICABLE LAW:**

26.1 The Contract shall be deemed to be a Contract made under, governed by and construed in accordance with the laws of India for the time being in force and shall be subject to the exclusive jurisdiction of Courts situated in Dibrugarh/ Guwahati.

26.2 The Contractor shall ensure full compliance of various Indian Laws and Statutory Regulations, to the extent applicable, as stated below, but not limited to, in force from time to time and obtain necessary

permits/licenses etc. from appropriate authorities for conducting operations under the Contract:

- a) The Mines Act 1952- as applicable to safety and employment conditions
- b) The Minimum Wages Act, 1948
- c) The Oil Mines Regulations, 1983
- d) The Workmen's Compensation Act, 1923
- e) The Payment of Wages Act, 1963
- f) The Payment of Bonus Act., 1965
- g) The Contract Labour (Regulation & Abolition) Act, 1970 and the rules framed there under
- h) The Employees Pension Scheme, 1995
- i) The Interstate Migrant Workmen Act., 1979 (Regulation of employment and conditions of service)
- j) The Employees Provident Fund and Miscellaneous Provisions Act, 1952
- k) The AGST Act, WB & BIHAR
- l) Service Tax Act
- m) Customs & Excise Act & Rules
- n) Assam, West Bengal and Bihar Entry Tax Act

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

28.0 **SUBSEQUENTLY ENACTED LAWS:** Subsequent to the date of submission of contractor's bid, if there is a change in or enactment of any law or interpretation of existing law, which results in additional cost/reduction in cost to Contractor on account of the operation under the Contract, the company/Contractor shall reimburse/pay Contractor /company for such additional/ reduced costs actually incurred.

29.0 **ROYALTY AND PATENTS:** Each party shall hold harmless and indemnify the other from and against all claim and proceedings for or

on account of any patent rights, design, trade mark or other protected rights arising from any use of materials, equipment, processes, inventions and methods which have not been imposed on the attending party by the terms of the contract or the specifications or drawings forming part thereof.

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

**END OF SECTION - I**

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## **SECTION: II**

### **TERMS OF REFERENCE / TECHNICAL SPECIFICATIONS**

- 1.0 **INTRODUCTION**: This section establishes the scope and schedule for the work to be performed by the Contractor and describes the specifications, instructions, standards and other documents including the specifications for any materials, tools or equipment, which the Contractor shall satisfy or adhere to in the performance of the work.
- 2.0 **DEFINITION OF WORK**: To drill onshore wells through hire of one (1) No. Drilling Rig of capacity 1400HP ( Minimum) with associated equipment/tools & services for an initial period of **3 years** with provision for extension by 1 more year at the same rates, terms and conditions. The wells will be either straight vertical holes or planned deviated holes with formation pressure to be near or above hydrostatic. Well depths are expected to be in the range of 2000-4500 meters. Depths of the wells may somewhat increase or decrease at the discretion of the company within the rated capacity of the rig.
- 3.0 **AREA OF OPERATION**:
- 3.1 The area of the operation as planned is in Upper Assam, Assam State and mostly in the districts of Dibrugarh, Tinsukia and Sibsagar. The rig may also be moved to any other North Eastern States as per OIL's operation program.
- 3.2 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.
- a) Minimum width of the well site approach road = 3.66 m
  - b) Turning Radius = 15m (Generally), 12 m (exceptionally)
  - c) Maximum allowable unit load inclusive of fare weight for class AA loading = 50 tons
  - d) Minimum overhead clearance = 4.25 m
  - e) Highest recorded wind velocity in Assam = 80 km/hour
  - f) Max. recorded ambient temp = 45 deg. Celsius
  - g) Min. recorded ambient temp.= 5 deg. Celsius
  - h) Weather Pattern: Frequent rains from May/June to September/October and Occasional during the remaining period.
  - i) Nature of top soil : Usually clay/Alluvium/ Unconsolidated.
  - j) 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.
  - k) Average annual rainfall : 250 / 300 cm
  - l) Humidity - max. 98%
  - m) Allowable axle load rating of weakest section of road # 12 Tons

- 4.0 **SCOPE OF SERVICE**: The Contractor shall provide the services of 1 (One) no. of rig package along with all necessary equipment and personnel as listed and carryout drilling operations including but not limited to coring, round tripping, lowering & setting of casings, completion, abandonment, Production testing as and when required, and all other associated operations including, rig up, rig down, inter-location movement etc. in accordance with the well drilling, and completion programme to be furnished by the company before commencement of the operation, which may be amended from time to time by reasonable modification as deemed fit by the company. The Contractor shall provide mobile Effluent Treatment Plant with the Rig package for effluent management (solid or liquid) generated during operation, suitable for meeting the requirements for drilling in N.E region in line with the guidelines from Ministry of Environment and Forest and also safe disposal of the effluents. Apart from this, the Contractor shall also provide spares for the entire rig package, tools and equipment, drilling engineering services required for vertical and deviation drilling operations, fuel (HSD) for running the operations, Lubricant and shall carry out drilling with tools & expert supplied by the contractor. The contractor shall keep adequate stock of spares at all time for uninterrupted progress of work and make available all items listed in this document ready for use. OIL shall provide suggestion on technical matters on request from contractor. However, the contractor shall be wholly responsible for rendering services as per scope of work.
- 4.1 Bit programme, mud programme, casing policy, well programme will be decided by OIL.
- 5.0 **PRESENCE OF CO<sub>2</sub> & H<sub>2</sub>S**: Presence of CO<sub>2</sub> is expected in the wells. The wells are expected to be H<sub>2</sub>S free. Accordingly, the equipment/tools etc. to be offered by the Contractor shall be for generally H<sub>2</sub>S free environment.
- 6.0 **TECHNICAL SPECIFICATION OF RIG PACKAGE**: The Contractor shall mobilize all necessary equipment and tools for successful and economic completion of the jobs mentioned. The contract includes supply of drilling rig package including haulage and transportation equipment and its services. HP rating of the rig offered should not be less than 1400 HP, Diesel Electrical rig having self elevating mast and sub-structure (as per API Standard) and capable of drilling 1+3 cluster well from the same plinth.

The drilling rig should be rated for minimum nominal drilling depth range of 4500 m and the available horse power output of the rig engine package should be capable of running 1400 HP (minimum) Draw-works and 1400 HP pumps simultaneously.

The rig is also required to be operated with complete package including mud system, fuel system, air system and water system etc.

The drilling unit offered should have a residual life of 7 years (minimum).

## 7.0 **SPECIFICATIONS OF DRILLING RIG**

### 7.1 **GROUP - 1**

A) **MAST AND SUBSTRUCTURE**: Swing lift cantilever type self elevating mast and substructure with clear height of 142 ft. to 147 ft. Rated static hook load capacity of minimum 7,00,000 lbs (700 kps ) with 12 lines strung on traveling block as per API 4F specifications. Mast is to be designed for 80 mph wind load with a full rack of pipe and 105 mph on a bare mast. Casing capacity shall be approximately 600,000 lbs simultaneously with 400,000 lbs of racked pipes.

Self elevating type sub-structure shall have a clearance of minimum 22 ft from ground level to underneath of rotary table beam. Substructure should be suitable to accommodate a 1400 HP (minimum) electrical powered draw-works and 27.1/2" or 37.1/2# rotary drive unit. Mast is to be complete with raising lines, lifting lugs for raising, leveling shims, snubber unit and hydraulic jacks. Mast and substructure should be complete with leveling equipment for front and rear shoes and with all accessories for the operation and erection of the mast and substructure.

- i) Mast shall have unobstructed line of vision to the crown block from driller's console.
- ii) Time taken on raising and lowering system of mast /substructure and job involvement in dismantling, transportation and assembling of the mast/substructure components should be minimum
- iii) The mast shall have a racking capacity of 4350 mtrs of 5 inch OD, 19.5 PPF, range - 2 drill pipe in thribbles.
- iv) The mast shall be complete with catline boom(2), catline, out cat line, tubing support frame (belly board), sandline sheave units, air hoist sheave units(2), sheave units for rig tongs (2) power tong / pipe spinner, tong counter weights, guides etc.
- v) The Racking board (thribbles board) shall be adjustable type and complete with emergency escape from racking board to ground.
- vi) The mast shall be complete with dual stand pipe clamp for 5 inch OD stand pipes.
- vii) Adjustable pneumatic or electrically operated casing stabbing board for running in range I & II tubular shall be provided.
- viii) Safety climb equipment for climbing up mast ladder up to crown block shall be provided.
- ix) The Sub-structure shall be complete with tong back-up posts for rig tongs.

- x) The Sub-structure shall be complete with dog house support frame.
- xi) Two flight stairways at driller's side and off driller's side shall be provided.
- xii) Dog house-cum-change house shall be provided by Contractor.
- xiii) Mast and substructure shall be complete in all respects to start operation without any hold up.
- xiv) The Mast shall be complete with skewed type crown block having 7 x 60" sheaves i.e. one fast line sheave and the remaining 6 nos. cluster sheaves suitable for drilling line.
- xv) Height of wind guard post should be sufficient to avoid fouling of drill pipe stand against adjustable diagonal brace when the platform is placed at the lowest position.
- xvi) The mast & sub-structure should be complete with combination ramp & stairs, catwalk & rack for casing and other tubular (provision for making doubles at rack & hosting the same with T B to be kept).
- xvii) The mast & sub-structure shall be complete with grass hopper type cable rack suitable for elevating with rear floor.
- xviii) The derrick floor shall be complete in all respect and provided with suitable toe boards and safety railings.
- xix) The mast shall be painted strictly as per Aviation / Indian Air Force Standards on deployment and later on whenever necessary. The same shall be specified in the contract. The mast shall be fitted with safe flasher type aviation warning light 1 no. at the crown, 4 nos. (at four corners) on the thribble board. These lights shall be operational at all times from the moment the mast is raised and until the mast is finally lowered irrespective of well operation. Every alternate mast section shall be painted with red and white paint. The paint may be enamel paint or equivalent. The paint should be freshly made and should be noticeable. Painting may be repeated if required.

**B) DRAW-WORKS**

- i) Input horsepower rating 1400 HP (minimum), with minimum nominal drilling depth rating of 4350 M with 5 inch OD drill pipes.
- ii) Twin drum draw-works having main drum lebus grooved for 1.3/8" or 1.1/2" casing (drilling) lines and sand drum to accommodate @ 5000 M of 9/16" or 5/8" sand (coring) line. In case of single drum drawworks, an external winch shall be available with minimum 5000 m wire length to facilitate deviation survey.
- iii) Drawworks to be operated by 2/3 nos. of GE - 752 or equivalent electric motors.
- iv) Main drum brake should have maximum wrap - around feature, complete with circulating type brake cooling system, energizing type brake band with maximum lining contact. The brake band should be uniform by flexible all round with integral water jacket brake drum and with built in water passage from driller's end to rotary end or should

- have compatible disc brake system. In case of AC-VFD rig primary/dynamic breaking to be performed with AC motors by generating power in to braking resistors. The motor and frequency drive should be capable of holding full load at zero speed indefinitely.
- v) Suitable electromagnetic auxiliary brake system, complete with piping alarm cables & controls, shifters etc. with dedicated cooling system having 2 motor driven centrifugal pump, tank & heat exchanger.
  - vi) Suitable pneumatically operated/actuated make up and break-out catheads. The cathead should match 1400 HP (minimum) drawworks.
  - vii) Drawworks to be have 4 forward speeds, 2 rotary speeds (in D/W mode) and suitable reversing arrangement. In case of AC-VFD rig the Draw works shall be Dual Speed Gear Driven, suitable for minimum 1400 HP.
  - viii) Pneumatically activated twin stop protector system to protect crown and floor.
  - ix) Drawworks to have pneumatically actuated full circular balloon type or multiple plate friction clutches as available in 1400 HP (minimum) draw-works of National Oilwell or Ideco make.[or as per design of drawworks]
  - x) Neutral brake or Inertia brake to stop rotation of the draw-works and rotary clutch in emergency.
  - xi) Properly designed Driller's console incorporating all functions to carry out drilling operations safely and for controls of the rig.
  - xii) Rotary counter shaft assembly with matching clutch and inertia brake.
  - xiii) Draw-work Catheads shall be complete with the following;
    - ~ Cathead rope rollers, catline grip and guide sheave.
    - ~ Tong line guards
    - ~ Two wireline turn back rollers.
    - ~ Suitable in-built lubricating system & provision for manual lubricating point (wherever applicable)
    - ~ Spinning chain device with adequate no. of chains.
  - xiv) Sandline or Coring reel assembly with capacity of at least 5000 M of 9/16" or 5/8". Drum size diameter x 49" long approximately with pneumatic clutch & full wrap friction brake assembly.[in case of double drum drawworks]
  - xv) Inertia brake, band type for motor drive or as per drawworks design.
  - xvi) Sand line spooler, coastal model 54 or equivalent installed on draw-works (in case of double drum Draw works).
  - xvii) Electrical driller's console panel should suitability located in order to provide driller to operate the rig in ease.
  - xviii) The draw-work should be compatible with the mast & sub-structure as indicated above.
  - xix) All accessories for draw works should conform to API specification, wherever applicable.
  - xx) Entire rig package must be compliance with all safety & regulations and OISD standards.
- C) **ROTARY TABLE AND ACCESSORIES**: Rotary table as per API Spec. 7K with minimum 27.1/2" opening and dead load capacity of 500 tons,

complete with the following. Accessories shall be provided by the contractor. The rotary table shall be chain driven. Optionally combination of chain and independent motor drive is also acceptable.

1. Kelly bushing complete with roller assembly for 5.1/4" hexagonal & 2.1/2" or 3" square Kelly (minimum 1 nos. each).
2. Master bushing (1 no. each of solid and split type) to suit the Rotary table.
3. Suitable API insert bowls No. 1, 2 & 3 whichever is applicable for under noted casing sizes.
4. Complete bushing arrangement for handling 20" casing, 13.3/8" casing , 9.5/8" casing, 5.1/2" casing, 5" OD drill pipe, 2.7/8" OD tubing & drill pipes and all other tubular in the offered rotary table.
5. Bit breakers & adapter plates to suit above master busing / Rotary table.
6. All sizes of lifter and handling tools for bushing & inserts.

D) **ROTARY SWIVEL** (as per API Spec. 8A/\*8C): The rotary swivel should have the min. under noted specification but not limited to the following.

1. Working pressure (minimum) - 5000 psi
2. API Dead-load rating (minimum) - 450 Tons
3. Gooseneck API line pipe thread for Rotary hose- 4" (102 mm) Female
4. Stem coupling - 6.5/8" (Reg.) L.H.
5. Swivel should be equipped with 6.5/8" (Reg) L.H. API double pin sub suitable for connecting it on to Kelly spinner/Kelly.
6. Bail bumper link support.
7. Additionally suitable crossover sub shall be provided to connect the swivel to 2.1/2" or 3# square Kelly. Necessary fittings for connecting rotary hoses with safety clamps installed.

E) **TRAVELING BLOCK & HOOK** (as per API Spec. 8A/8C): The specification should include but not limited to the following:

1. Min. API working load rating = 350 Tons.
2. Number of sheaves = 6 Nos. with 1.3/8" or 1.1/2" grooving
3. Traveling block and hook should be independent
4. Hook should be compatible with the swivel & other hoisting equipment.
5. Hook should have built in hydraulic snubber, convenient rotation lock, safety positioner etc.

F) **SLUSH PUMPS**

1. Two nos. of triplex single acting, slush pumps with input HP rating of minimum 1300 HP driven by DC / variable AC motors of matching HP rating. Pump should be suitable for continuous heavy duty application.
2. Maximum requirement of working pressure 5000 psi.

3. Pumps should be equipped with easily changeable piston and liner assy. to meet varied requirement of drilling operation. Adequate amount of various sizes of new and unused liners to meet operational requirement must be available during entire contractual period. The bidder has to specify the same in the bid with pump discharge details etc.
4. Apart from standard accessories, each pump shall be equipped with 5000 PSI WP pulsation dampeners, charging hose assy., reset relief valve, bleed valves, inline suction stabilizer, jib crane with trolley, pull lift chain hoist, strainer cross etc.
5. Detailed specification of DC/AC motor should be provided.
6. Drive media must be specified by the bidder.
7. AC motor (min. 75 HP) driven TRW Mission (8' x 6' x 14') or equivalent centrifugal pump 2 nos. for super charging (to handle mud up to 20 ppg) with appropriate independent suction and delivery manifold mounted on a oil field skid.
8. Parallel pumping: In certain events both slush pump shall be used in parallel pumping. All arrangements should be available for this purpose.
9. Nature of pumping job should include, but not limited to, pumping of drilling fluids, completion fluids, cement slurries, water - both treated and plain. In the event that requirement arises to pump acid, OIL shall provide the pump and contractor shall provide the suction and delivery lines.

G) **SUCTION AND DELIVERY SYSTEM**

1. Suction hose should interconnect between No. 1 & No. 2 pump & suction lines shall have butterfly valves in between.
2. Suitable length 3.1/2" ID x 5000 psi WP vibrator hose.
3. Cameron or equivalent 5000 psi WP dual stand pipe manifold complete with gate valves, pressure gauge of 5000 psi rating and other standard fittings.
4. 5" OD x 5000 psi WP dual stand pipe of suitable length with 'H' manifold to match the operating conditions with range 2 drill pipes complete with gooseneck, hammer union or unbolt couplings for making up rotary hose with safety clamp attached.
5. 3.1/2" ID x 55/60 ft long x 5000 psi WP, rotary drilling hoses with suitable connection to make up on to the standpipe and rotary swivel. The length of Rotary hose should suit the rig for drilling operations.
6. Rig pump delivery manifold shall be connected to the vibrator hoses through rigidly supported strainer cross.
7. There shall be 5000 Psi working pressure gate valve on each mud delivery manifold.
8. From each pump delivery manifold, suitable bleed line and valve should be provided.
9. Pump delivery manifold shall have arrangements for hole fill-up line and kill line connections of suitable sizes with Gate valves.

10. The 5000 Psi pulsation dampeners on each pump shall be complete with charging, hose assembly and the required extra gas for charging.
11. Required length of intermediate 5000 psi WP delivery pipes complete with bend, `T's and valves to connect the pumps (2 Nos.) independently to the stand pipes.
12. Necessary anchoring arrangement of all high pressure delivery lines to be provided.
13. Sufficient no. of additional intermediate 5000 psi WP pipes as mentioned in para 11 to facilitate extension of the delivery pipe up to 170 ft. ; to meet the 15m spacing between the wells in cluster wells.
14. Supercharger - Two electric motor driven centrifugal pump set mounted on skid with necessary piping suitable for the mud pump.

H) **POWER PACK:** Diesel electric AC/SCR or AC/VFD system complete with the following:

1. Engines - 4(Four) (Minimum) Nos. Turbocharged, after cooled, air start, diesel driven Oilfield engines each of minimum 1000 HP rating with combined minimum 4000 HP rating (Preferably Cat 3512 B - DITA) complying latest emission norms, coupled with the alternator and shall be unitized and enclosed in a weather-proof, acoustical, skid mounted enclosure. Each power pack should be complete with matching AC generator for 50/60 cycles operation. The fuel for the engines should be freely and easily available in India.
2. AC/DC Electric Motors: Adequate numbers of AC/DC motors with adequate continuous HP rating and for operation of drawworks (Min. 2 motors, maximum 3), for slush pump maximum 4 Nos. motor at their respective rated capacity. The motors shall be complete with suitable blowers and ductings.
3. AC/SCR or AC/VFD System - Suitable AC/SCR or AC/VFD systems of reputed make. Bidder shall offer detailed technical specifications along with the bid.
4. Rig package shall be complete with all electrical control room, `SCR' cubicles, DC power control room, AC power control room to match the auxiliary loads of mud system, water system, fuel system and air system mentioned in this section.
5. The above power pack shall conform to the following:
  - a) All outdoor equipment such as AC motor, safety junction boxes, plug sockets, luminaries etc. shall be weather proof with IP 55 protection as per India standards.

- b) Power pack and SCR house or AC-VFD system control rooms to be placed outside hazardous area, i.e. at a distance of 32 mtrs. (minimum) from the well centre.
- c) All components shall be suitable for following ambient conditions:  
 Temperature: Max. 45 deg. C & Min. 05 deg. C  
 Humidity: Max. 95% & Min. 60%  
 Altitude: 100 to 300 M AMSL
- d) All DC motors shall have blowers with suitable ducting & filter System.
- e) Suitable derating factor shall be taken into account while choosing electrical / electronic components for high ambient temperature condition.
- f) Engine cooling system shall be designed to withstand above temperature condition and the radiators shall be suitable for max. 45 deg. C ambient temperature.
- g) Adequate air cleaning system and filters shall be provided on all engines to protect these from dust.
- h) Electrical system shall be provided with all necessary cables and cable trays with grasshopper arrangement to the derrick floor.
- i) Explosion proof and vapour types fluorescent and mercury vapor lighting system shall be used for lighting the mast and substructure.
- j) Lighting fixture shall match API specification and the mines Act, 1952 and its subsequent amendments and Oil Mines Regulation 1984.
- k) The lighting system shall include but not limited to the following i.e. lighting the mast and substructure, rig floor, power packs, power control room, plinth area, mud pumps, generators shades mud system, water system, fuel system, air system, BOP control unit, dog house, mud storage house, well site offices, chemical storage & lab. Areas, camp etc.
- l) Fixing arrangements of outdoor luminaries shall be such that this can be installed and dismantled quickly and easily for transportation during the inter-location moves.
- m) A flame proof intercom complete system shall be provided between dog house, SCR room/ AC-VFD system control rooms, mud pump, mud attendant's cabin, Geologist's cabin, Company representative's office and radio room.
- n) Power pack and electrical controls of the rig shall be complete in all respect to carry out drilling operations to the objective depth. The system shall meet the detailed technical specifications of rig electric system furnished in this document.

- o) Necessary provision for supplying power including electrical, to other utility units shall be provided by the contractor whenever required.
  - p) Estimated fuel consumption per day [average] at full load while drilling up to a depth of (i) 3500 m ii) 3500m to 4500 m depth.
- I) **CELLAR PUMPS:** As per serial no. 'f' under Misc. tools & equipment (Clause No. 7.2 (2) M).
- J) **TWIN STOP SAFETY EQUIPMENT:** Suitable twin stop safety equipment, Bear cat model 400 or equivalent to be provided with the draw-works.
- K) **CAGED LADDER, RIDING BELT, FALL ARRESTOR, and EMERGENCY ESCAPE DEVICE ETC.:** The riding ladder to crown block shall be caged and equipped with fall arrestor. A suitable riding belt shall be provided to meet any emergency or to carry out repairs above derrick floor. Suitable & effective emergency escape device from racking board to ground shall be provided.
- L) **EMERGENCY HOOTER:** The rig should be equipped with one emergency hooter.
- M) **EMERGENCY SHUT OFF SYSTEM:** An emergency shut off device shall be located in driller's panel and at suitable strategic location.
- N) **EMERGENCY ALARM:** An electrically operated emergency alarm with provision for operating the same from driller's console should be provided.

## 7.2 **GROUP - II**

1. **BOP STACK AND WELL CONTROL EQUIPMENT** (As per applicable API specifications): All items including but not limited to those mentioned below shall be supplied by the contractor.

- A) **BOP STACKS / SPOOLS**
- i) 21.1/4"/20.3/4", 2M or 3M Annular BOP (Cameron/Shaffer/Hydril/Control Flow/Worldwide Oilfield Machine INC (WOM)/FMC Technologies Singapore Pte Ltd make only), 1 no. with bottom flange/adopter flange to fit with 20.3/4" 3M working pressure, drilling spool.
  - ii) 21.1/4" / 20.3/4", 2M or 3M Drilling Diverter spool with 2 (two) nos. of 9" x 2000 psi side outlets and 30" overall length to be used with 21.1/4" x 2 M / 20.3/4" x 3 M BOP.

- iii) 13.5/8" x 5000 psi Annular/Spherical BOP, 1 No. with bottom flange of 13.5/8" x 10 M Working Pressure (Cameron/Shaffer/Hydril/Control Flow/Worldwide Oilfield Machine INC (WOM)/FMC Technologies Singapore Pte Ltd make only). In place of bottom flange of 10M, a suitable adapter flange to fit with Ram BOP is also acceptable.
- iv) One double ram BOP, 13.5/8" x 10000 psi (Cameron/Shaffer/Hydril/Control Flow/Worldwide Oilfield Machine INC (WOM)/FMC Technologies Singapore Pte Ltd make only) having top & bottom flange of 13.5/8" x 10 M Working Pressure.
- v) One double ram BOP 7.1/16" x 10000 psi (Cameron/Shaffer/Hydril/Control Flow/Worldwide Oilfield Machine INC (WOM)/FMC Technologies Singapore Pte Ltd make only) having top and bottom connection of 7.1/16" x 10 M flange, with side outlets (4 Nos.) complete with ring joints gasket, studs & nuts and with 2.7/8" and blind rams, one pair each.
- vi) One set each of 9.5/8", 7", 5.1/2", 2.7/8" pipe rams, two sets of 5" pipe rams and 1 set of blind rams should be supplied with above items no. (iii).
- vii) All BOP should have crossover (Adopter flange to match 5000 psi well head.
- viii) The Contractor shall provide the following:
  - a) New and unused Ring joint gaskets for all flanges with sufficient quantity as spares.
  - b) Adequate no. of studs & nuts for all flanges and wrenches to suit all nuts.
  - c) Operational spares for contractor's BOPs both annular and ram, including ram sub assemblies of sizes to suit various tubular sizes including blind ram.
  - d) Annular BOP sealing element.
  - e) Maintenance / overhauling / repair services for above BOPs
- ix) Adapter / crossover spool 13.5/8" x 5,000 psi to 13.5/8" x 10,000 psi 1 No. having 2 nos. of flanged side outlet of 3.1/16".

- x) Drilling spool
  - a) 20.3/4" x 3000 psi: 1 No.: (30" - 36" high)
  - b) 13.5/8" x 10,000 psi: 1 No. (18" - 20" high)

Note: With facility for hooking up choke / kill lines having flanged side outlet of 3.1/16" in the same plane but in opposite directions.
- xi) Cross over flange/adaptor spool 11" x 5000 PSI TO 13.5/8" X 10000 psi with necessary ring joint gaskets.
- xii) Double studded adaptor flange / adaptor spool 11" x 10000 psi bottom, 7.1/16" x 10000 psi top with ring joint gaskets.
- xiii) Cross-over/adaptor spool with bottom flange of 20.3/4" x 3000 psi and top flange of 21.1/4" x 5000 PSI with 2 side outlets of size 3.1/16" flange with 2" female line pipe thread in the same horizontal plane but in opposite directions. The spool shall be complete with ring joint gaskets, studs & nuts, blind flange/bull plug.
- xiv) Double studded cross over flange with bottom configuration of 11" x 10,000 PSI and top configuration of 13.5/8" x 10,000 PSI complete with ring joint gaskets, stud & nuts.
- xv)
  - a) Companion flanges of appropriate sizes and numbers and suitable for all kill, choke, check valves and lines etc.
  - b) Companion /suitable flanges for 3.1/16" to 1.13/16" and 3.1/16" / 3.1/8" to 2" line pipe female thread.
- xvi) All BOPs shall be complete with sufficient numbers of studs with nuts & ring joint gaskets.
- xvii) Suitable risers with provision for hole-filling line.
- xviii) Poor boy swivel and d/pipe shut-in valve 10000 PSI WP with compatible R/hose & D/pipe connections.
- xix) The contractor shall bring adequate quantity of studs, and ring joint gaskets and wrenches for hooking up all the above sizes of stacks and also for replacement of damaged ones.
- xx) The ultimate responsibility of making the well head complete lies with the contractor. Contractor shall identify and bring all other items, which are not mentioned above but required to carry out drilling operation.

- xxi) Bidder should provide a schematic diagram with the dimensions of BOP stacks for different sizes and stages of completion.
- xxii) All above BOPs should be hydraulically operated with hydraulic/manual locking arrangement.

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

- i) One set of 3.1/16" x 10,000 psi choke manifold rigidly supported, with two each of manually and hydraulically operated chokes. As per API Spec. 16C, First Edition 1993, Drawing No. 10.7.3 (Sec. 10.7) including control console mounted at derrick floor showing all necessary parameters.
- ii) The drilling spool should have side valves consisting of two each of manually operated and hydraulically operated gate valves, on two sides, size - 3.1/16" x 10,000 psi along with two numbers of check valves.
- iii) BOP/Casing head housing side valves: (One each) gate valve and check valve on kill lines side size 3.1/16" x 10,000 psi.
- iv) Kill lines and choke lines, articulated or flexible (Co-flexi preferred) of sufficient lengths to match drilling spool side outlet connections and kill/choke manifold connections. (Note: - kill pump will be placed at least 150 ft away from well bore).
- v) 10000 Psi WP rigidly supported kill manifold with provision for connection onto slush pumps and high pressure killing pump by means of 2" ID x 10000 Psi chocks hoses.
- vi) Adequate number of 2" ID x 10000 Psi chocks hoses for hooking up well killing pump, test lines, emergency kill line etc.
- vii) Choke & kill manifolds shall be complete with all necessary studs & nuts, ring joint gaskets & fittings etc.

C) **BOP CONTROL UNIT** (As per API Spec. 16 D)

- i) One No. Koomey or internationally fields proven reputed make skid mounted accumulator & Control Unit for BOP. 3000 Psi WP to suit BOP and choke manifold configuration with one remote control, adequate reservoir capacity to meet all the requirements & complete with skid mounted pipe racks to keep the control unit at about 100 ft away from the well. The unit shall consist of adequate number of accumulators of 11/15 gallon capacity each, & complete with necessary pressure actuator switches to make unit both automatic & manual. Bidder shall forward the work

sheet indicating the reservoir capacity & accumulator capacity along with the bid.

- ii) Arrangements for charging the accumulators with nitrogen, as and when required.
- iii) BOP control unit shall be complete with electrical and air operated pressurizing system, capable of pressurizing up to 3000 psi.
- iv) Adequate number of hydraulic accumulators, adequate capacity reserve tanks and all necessary fittings for safe operation of the BOP stack as specified earlier. OIL reserves the right to increase/decrease the reservoir/accumulator sizes.
- v) BOP remote control unit with graphic visual display, one on the derrick floor and another on the opposite side 150' away from the well bore.
- vi) All electrical items should be suitable for hazardous area, zone-1 Gas Group I & II.
- vii) Sufficient number of high pressure control lines shall be made available in pipe rack for connection between BOP & control Unit placed 100' away. Also adequate length of air hose bundles for connection of both remote control panels.

D) **WELL CONTROL ACCESSORIES**

- i) One no. Kelly cock suitable for 4.1/2" IF drill pipe connection.
- ii) Hydril or equivalent drop-in type back pressure valve complete with landing sub, check valve & retrieving tool etc. 1 No. each for landing subs with 6.5/8" API reg. Connections & 4.1/2" API IF connection.
- iii) One set of BOP testing unit with suitable high pressure test pump.
- iv) One no. of 5" inside BOP for making up with drill pipe, having pressure ratings to suit BOP stack rating and with matching thread connections.
- v) Cup testers for testing 9.5/8" & 5.1/2" OD casing with facility of inter-changeability of cup to suit different weight of aforesaid casings, and suitable plug tester for various casing head housings as indicated in section BOP stack & well control equipment sub-section 'BOP stacks & spools' shall be provided by the contractor.

**Note:** All wellhead equipment/accessories viz. BOPs, spools, choke and kill manifolds, BOP Control Units etc. should be pressure tested to its rated capacity and should be certified as per API recommended practice.

2. **TUBULAR**

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

OIL prefers new/unused Drill pipes and Pup joints. Supporting document in the form of manufacturer's certificate to this effect should be forwarded prior to mobilization for new/unused drill pipes & drill pipe pup joints. However, Premium grade drill pipes & drill pipe pup joints with recent NDT inspection not older than one year on the date of mobilization, as per API standard by Govt. authorized registered agency with documentary evidence may be offered. OIL reserves the right to inspect at random and verify through independent NDT inspectors for acceptance. In case of non-acceptance of the drill pipes & drill pipe pup joints due to any discrepancy, contractor shall have to re-inspect the whole drill pipes and drill pipe pup joints in presence of OIL's representative at their own cost.

- i) Minimum 5000 m of 5" OD, 19.5 PPF Drill pipe consisting of Gr. 'G' flash / friction welded, tapered or square shoulder, Internal External upset in range 2 length. Tool jt. Connection shall be 4.1/2" IF (NC 50) with hard banding on box ends.
- ii) 3 Nos. each of 5 inch OD, Grade 'G' or higher, pup joints of 5ft. 10ft and 15 ft length with identical specification as in (i) above but without hard banding.
- iii) Installation tool for installing grip-lock type rubber protectors on 5" OD drill pipe with adequate numbers of rubber protectors for the entire contractual period.

B) **DRILL COLLARS & HEAVY WEIGHT DRILL PIPE**

Should be premium class (supported by API (NDT) inspection report)

- i) One No. 9.1/2" OD, 3" ID, slick drill collar of 15 ft. length, with API 7.5/8" regular connections, having bore back box up & down connection with slip recess & complete with suitable lifting plugs.
- ii) 3 nos. 9.1/2" OD, 3" ID, slick drill collar approx. 30-31ft length, with API 7.5/8" regular connections, having bore back box up & down connection with slip recess & complete with suitable lifting plugs.
- iii) 25 Nos. 6.1/2" OD, 2.13/16" ID, 4" IF, 30 ft. long, spiral drill collars having bore-back box and stress relief pin, with slip recess and complete with suitable lifting plugs.

- iv) 18 Nos. 5" OD, 50 PPF, 3" ID 30 ft long, 6.1/2" OD tool joints Drillco or equivalent 'heavy-weight' drill pipes with 4.1/2" IF box-up & pin down connection with stress relief.
- v) 09 Nos. 8" OD, 3" ID, 6.5/8" API regular, 30 ft long, spiral drill collars having bore-back box and stress relief pin, with slip recess and complete with suitable lifting plugs.
- vi) Adequate No. of lift subs/ plugs for each size of drill collar for operational convenience.
- vii) Minor variation in dimension for drill collars and heavy weight drill pipes shall be acceptable.

**C. ONE LOT OF NECESSARY SUBSTITUTES, STABILIZERS, REQUIRED FOR DRILL STRING AS WELL AS FOR COMBINATION STRING:**

All items including but not limited to those mentioned below shall be supplied by the contractor and shall be supported by API (NDT) inspection report.

**C.1 BIT SUB**

- i) 1 No. 9.1/2" OD x 7.5/8" API regular double box bit subs with recess for Baker back pressure valve insert.
- ii) 2 Nos. 6.1/2" OD x 4.1/2" API regular box down x 6.1/2" OD x 4" IF (NC 46) box up bit subs.
- iii) 2 Nos. 9.1/2" OD x 7.5/8" API regular box down x 8" OD x 6.5/8" API regular box up bit sub with provision for back pressure valve insert.
- iv) 2 Nos. 8" OD x 6.5/8" API regular double box bit sub with provision for back pressure valve insert.

**C.2 CROSS OVER SUB**

- i) 1 No. 6.1/2" OD x 4" IF box up, 9.1/2" OD x 7.5/8" API regular pin down cross over subs.
- ii) 2 Nos. 4" IF box up x 6.5/8" API Regular pin down crossover bottle neck subs.
- iii) 3 Nos. of 6.1/2" OD cross over sub with 4.1/2" API IF Box up x 4" API IF Pin down connection.
- iv) 1 No. 6.1/2" OD cross over subs with 4.1/2" API regular pin down and 4.1/2" IF box up connections.

- v) 1 No. 8" OD x 6.5/8" API regular box up and 9.1/2" OD x 7.5/8" API regular pin down cross over sub.
- vi) 2 Nos. of 4.1/2" IF Box up x 6.5/8" API Reg. Pin down bottle neck sub.
- vii) Double pin sub of undernoted connection with appropriate OD x ID :
  - a) 4" IF x 4.1/2" API Reg.: 1 No.
  - b) 6.5/8" R - 6.5/8" R: 1 No.
  - c) 6.5/8" R -7.5/8" R: 1 No.

### C.3 **STABILIZERS**

- i) 1 No. of 17.1/2" replaceable sleeve type in-string stabilizer with mandrel size 9.1/2" OD & 7.5/8" API regular connections and with adequate nos. of replaceable sleeves.
- ii) 1 No. in-string integral blade / replaceable sleeve type stabilizers having 7.5/8" API regular connection for 26" hole.
- iii)
  - a) 1 No. 8.1/2" near bit replaceable sleeve type stabilizers having 4" IF box up x 4.1/2" Reg box down connection respectively, and with adequate numbers of replaceable sleeves.
  - b) 2 Nos. of 8.1/2" in-string replaceable sleeve type stabilizers with 4"IF box up x pin down connection with adequate nos. of replaceable sleeves.
- iv) 1 No. replaceable sleeve type near bit stabilizers with mandrel 8" OD, 6.5/8" API Reg. Connection. This stabilizer shall be used in conjunction with 12.1/4" sleeve. Adequate number of replaceable sleeves shall be available as back-up.
- v) 2 Nos. replaceable sleeve type in string stabilizers with mandrel 8" OD, 6.5/8" API Reg. Connection. These stabilizers shall be used in conjunction with 12.1/4" sleeves. Adequate number of replaceable sleeves shall be available as back-up.
- vi) 4 Nos. each of non-rotating rubber sleeve stabilizer for 5" OD drill pipe with sufficient number of extra rubber sleeves for using inside 9.5/8" casing.

### C.4 **OTHER SUBS**

- i) Adequate Nos. of Kelly saver and protector subs for both 5.1/4 inch Hex. & 2.1/2 inch or 3 inch square Kellies with adequate numbers of rubber protectors for entire duration of the contract.

- ii) All rotary substitutes and other substitutes necessary in pressure line etc. required to carry out drilling and all other rig operations shall be supplied by the contractor in sufficient quantity and it will be contractor's responsibility to find out the requirement. The contractor shall also provide the necessary substitutes required to use 2.7/8" EUE tubings and 2.7/8" Vam tubing connection.

D. **TWO NO. (1 BACK UP) 5.1/4" HEX AND 1 NO 2.1/2" OR 3" SQUARE / HEXAGONAL KELLY WITH THE FOLLOWING:**

- i) Mud Check Kelly valve, 10,000 psi WP: 1 No. for 5.1/4" Kelly.
- ii) Upper Kelly Cock, Pressure rating 10000 psi WP (Total 2 Nos. i.e. 1+1).
- iii) Lower Kelly Cock, Pressure rating 10000 psi WP-(Total 2 Nos. i.e. 1+1)
- iv) Kelly scabbard with suitable clamps.
- v) Kelly grief sub with rubber protector installed.
- vi) Kelly saver sub (Total 6 Nos.)

- E. All tubular, rotary substitutes shall be NDT inspected as per API standard after completion of every 6 months of drilling (at a suitable period). Contractor shall also provide documentary evidence of API standard inspection carried out on tubular and rotary substitute at the time of mobilization.

F. **HANDLING TOOL**

All items, including but not limited to those mentioned below shall be supplied by the contractor. Please note that the ultimate responsibility lies with the contractor for supply of all handling tools as per their inventory of items.

a) **ELEVATORS**

- i) 1 Set consisting of total two nos. 350 tons capacity, 13.3/8" spider dressed as elevator and slip complete with all accessories and slip assemblies to handle 5.1/2", 9.5/8", 13.3/8" casing and 1 Set consisting of total two nos. 500 tons capacity, 13.3/8" spider dressed as elevator and slip complete with all accessories and slip assemblies to handle 9.5/8" casing
- ii) 2 Nos. 150 Ton side door elevators for 20", 13.3/8", 9.5/8", 5.1/2" Casings.

- iii) 2 Nos. each center latch elevator, capacity 100 ton, for 9.1/2", 8", 6.1/2" etc. drill collars (for use in conjunction with lift plug only).
  - iv) Lift plugs in sufficient quantity for all sizes & nos. of drill collars.
  - v) 2 Nos. Center latch elevator, capacity 350 ton, for 5" OD drill pipe. Elevator should match type of shoulder of drill pipe offered by contractor.
  - vi) 2 Nos. center latch elevator, 200 ton capacity for 2.7/8" OD drill pipe.
  - vii) 2 Nos. each of center latch elevators, capacity 150 ton, for 2.7/8" OD EUE tubings and 2.7/8" OD Vam tubing.
  - viii) Single joint elevators complete with swivel and sling assembly for the following sizes of Casing/ Tubings.
  - ix) 1 No. each: 20", 13.3/8", 9.5/8", 5.1/2"
  - x) Any other handling tool as felt necessary by the contractor. Supply of elevators for all sizes of tubular with replaceable spares shall be the responsibility of the contractor.
- b) **ROTARY SLIPS**
- i) 1 No. Casing hand slips each for 27.1/2" or 37.1/2# rotary table for handling : 20", 13.3/8", 9.5/8", 5.1/2" casings.
  - ii) 2 nos. hand slip/power slip for handling 5" OD drill pipes medium/extra long type to suit pin/square drive master bushing. Contractor should also provide slips to handle 5.1/2" OD tubular.
  - iii) 2 Nos. medium rotary slip (hand/power) complete with inserts for 2.7/8" Drill pipe/Tubings.
  - iv) 1 set each drill collar slips for 6.1/2", 8" & 9.1/2" OD drill collars.
  - v) 1 set of 2.7/8" tubing spiders.
  - vi) Any other handling tools as felt necessary by the contractor. Supply of slips for all sizes of tubular with replaceable spares shall be the responsibility of the contractor.

- (c) **SAFETY CLAMPS**: Safety clamps to handle all sizes of drill collars.
- (d) **RIG TONGS**: Complete sets of Rotary tongs in pairs with 2 sets of extra jaws and replaceable spares of required capacities & sizes to handle the following tubular :
- i) 2.7/8" & 5" OD drill pipes & drill collars of all sizes up to 9.1/2" OD.
  - ii) Tubing tongs (both 2.7/8 OD EUE N-80 and VAM) including coupling tong.
  - iii) 20", 13.3/8", 9.5/8", 5.1/2" casings.
- (e) **HYDRAULIC / PNEUMATIC TUBULAR HANDLING TOOLS**
- i) Hydraulic power casing tongs complete with hydraulic power unit with suitable prime mover, standard accessories and pivot head for:  
  
13.3/8", 9.5/8", 5.1/2" casing: 2 Nos.
  - ii) a) 1 no. Pneumatic/Hydraulic pipe spinner for handling drill pipes in the range 2.7/8" - 5" OD complete with all necessary fittings.  
  
b) Spinning chain device with suitable length of spinning chain on rig floor to be provided.
  - iii) Suitable sizes of pneumatic Kelly spinner: 1 No. (For 5.1/4" Kelly)
  - iv) The operator for power casing tong shall be provided by the contractor at their own cost.
  - v) Manual tongs to handle 2.7/8" & 3.1/2" tubings as additional.
  - vi) Any other tongs as felt necessary by the contractor. Supply of tongs for all jobs shall be the responsibility of the contractor.
- (f) **ELEVATOR LINKS**: Minimum 1 set of suitable size and length weld-less links of minimum capacity 350 Tons.

G. **BIT BREAKER / THREAD PROTECTORS / NOZZLES GAUGE / STABILIZER GAUGE**

- i) 1 No. each bit breakers for 26" & 17.1/2", 12.1/4", 8.1/2" for TCR bits (compatible with master bushing).

- ii) 1 set consisting of 2 nos. each size clamp-on or equivalent casing thread protectors for 20", 13.3/8", 9.5/8", 5.1/2" sizes
  - iii) Stabilizer gauges and bit gauges of 20", 17.1/2", 13.3/4", 12.1/4" 8.1/2" sizes.
  - iv) Nozzle gauges for various sizes of nozzles.
- H. **AIR WINCH**: 1 No. Air winch mounted on derrick floor (one on drillers side & other on off drillers side) having pulley at crown block suitable for 5/8" soft wire line.
- I. **FISHING TOOLS**: All items mentioned below shall be provided by the contractor. However, fishing tools other than listed shall be supplied by Company as and when required.
- a) **Overshot**: Series 150 Bowen or Equivalent releasing and circulating overshoots for operation in 12.1/2", 9.5/8" and 8.1/2" hole to catch all sizes of Driller collars, heavy weight drill pipes, drill pipes and substitutes as provided by the contractors, with various sizes of spiral grapple, suitable extension sub and oversized lipped guide for operation in 17.1/2" hole.
  - (b) **SAFETY JOINTS**: 1 No. of Bowen or equivalent for operating in 8.1/2" hole size.
  - (c) **OTHER FISHING TOOLS**
    - i) **REVERSE CIRCULATING JUNK BASKET**: 1 No. each Bowen or equivalent R.C.J.B complete with accessories for the various hole sizes i.e. 17.1/2", 12.1/4", 8.1/2" etc. for 5.1/2" completion wells as per requirement.
    - ii) **JUNK SUBS**: 1 No. each Bowen or equivalent Junk subs for operating in the various hole sizes for 5.1/2" completion wells as per requirement.
    - iii) **FISHING MAGNET**: 1 No. fishing magnet with standard fishing neck for operating in 8.1/2" hole.
    - iv) **IMPRESSION BLOCK**: 1 No. impression block with standard fishing neck for 8.1/2" hole size.
    - (v) **JUNK MILL**: 1 No. each junk mill with standard fishing neck for hole sizes of 12.1/4" & 8.1/2". All materials required for re-dressing of mills shall be provided by the contractor. Re-dressing of mill, if any, shall be carried out by the contractor.

- (d) **Super Fishing Jar:** Straight pull, capable of transmitting full torque in either direction, ability to deliver rapid series of blows when desired, easy closing or resetting, having OD: 6.1/4" and ID: 2.1/4", 4.1/2 API IF RH top sub box connection & bottom pin connection, complete with circulation hole & cone type piston assembly: 1 no.
- J. **CASING SCRAPER / ROTOVERT:** 1 no. each casing scrapper/ rotovert for casing size of 5.1/2" OD (20 PPF).
- K. **RING LINE**
- i) The contractor shall lay a 4" dia Fire Water Distribution line at a distance of 15 to 30 mtrs from the well head complete with adequate numbers of fire hydrants, monitors, fire hoses etc. located at strategic points as per guidelines laid out in OISD standard 189. The line shall deliver clear water and be ready to supply water on a continuous basis at 50 psi at all times. The water line should be charged from the delivery of the Trailer Fire Pump and also provision shall be made to charge the line from outside of the Trailer Fire Pump. The contractor shall also lay water lines to provide water at all utility points (including office, laboratory etc.). All materials & services required in these connections shall be supplied by the contractor. A schematic layout diagram of the Fire Water Distribution line as per requirement of OISD Standard 189 will be provided.
  - ii) This is a mandatory requirement and shall be frequently tested for firefighting purposes. In case of nonfunctioning of the ring line for fire fighting, OIL reserves the right to stop further operations and nil day rates will be applicable till the time the line is made functional.
  - iii) The contractor shall comply with any / all other regulation (s) that comes into effect from time to time in this regard.
- L. **TRANSPORTATION SERVICES:**
- a. **OIL's Responsibility**
    - i. Transportation of company's personnel and materials/ Equipment (those not attached with the rig) will be company's responsibility. Contractor will however be responsible for providing all facilities including use of their crane and personnel for unloading/loading and proper stacking/storing of company's materials at drilling site/camp site.
    - ii. Chemicals required for preparation of mud and completion fluid, and Cement shall be supplied by OIL. To & fro collection, transportation, loading / unloading, stacking etc

of these chemicals/cement shall be carried out by OIL, as and when required.

- iii. In case of well emergency, it is the responsibility of OIL to supply/ transport Chemicals, Cement etc. to well site
- iv. Well consumables like casing, tubing, well head etc. shall be supplied by OIL. To & fro' collection, transportation will be provided by OIL and loading / unloading, stacking etc. at well site of these consumables shall be carried out by the contractor, as and when required, with the help of Contractor's crane.

b. **Contractor's Responsibility**

- i) Transportation of contractor's personnel & their material from camp site to drill site and between drilling sites shall be the responsibility of the contractor. All vehicles deployed for this purpose should be in prime condition.
- ii) All requirements of crane(s), during rig up/rig down & inter-location movements are to be provided by the Contractor. Any additional requirement of crane(s) for any specific purpose at site during well operation shall also be provided by the Contractor.
- iii) Bits required for drilling of wells shall be supplied by OIL. However, it is the responsibility of Contractor for loading/offloading and to transport the same from Company's yard/Go-down.
- iv) The contractor must provide at their cost, equipment & services of the following minimum number (Vintage of items not more than 5 years):
  - a. Sufficient numbers of Diesel Hydraulic, Truck mounted Telescoping Boom mobile crane of suitable capacity during rig up /rig down & inter-location movements of Rig package.
  - b. Sufficient number of load carrying vehicles and cranes so that the inter-location movement is completed without any delay.
  - c. Minimum 1 no. of Diesel Hydraulic, Truck mounted, Telescoping Boom mobile crane of 30 Tonne minimum capacity to be made available at all times at well site.

- d. During Inter-location Movement, any left out consumables including but not limited to, well head, casing, tubing or any kind of tubular, bits, chemicals, barytes, bentonite etc. should be collected, loaded, unloaded, stored, handled, transported between locations by the Contractor or as directed by OIL.

Rig down/Rig up/transportation/maintenance of Company's materials/items like well killing pump, Production installations (if any) attached to the rig shall be done by the contractor.

M. **MISCELLANEOUS TOOLS & EQUIPMENT**

- a) 1 No. each of circulating head for 13.3/8" BTC, 9.5/8" BTC, 5.1/2" BTC casings, 2.7/8" IF & 2.3/8" IF drill pipes.
- b) 1 No. poor boy swivel for 4.1/2" IF drill pipes.
- c) Circulation Heads
  - i) One No. circulating head for 5" OD x 4.1/2" IF drill pipe fitted with quick opening gate valve and Chicksan hose connection.
  - ii) One No. of circulating head for 2.7/8" EUE tubing.
  - iii) One no. of tubing shut in valve for 2.7/8" EUE tubing.
- d) Mud basket for use during round trips with Drill Pipes of sizes 5" and other tubular.
- e) Adequate number of appropriate size back pressure valves to be installed on bit subs during different stages of drilling (complete with installation tool).
- f) Cellar pump: Gorman make diaphragm pump of model 4DB or similar pump having same capacity driven by explosion proof electric motor with matching frequency complete with all suction and delivery lines, for cellar cleaning purpose. Alternately, a suitable cellar ejection system is also acceptable. Pump should be suitable for class I, dir. 2 areas and gas group I, IIA & IIB and with Flexible coupling.
- g) One No. of additional reels of 7500 ft. each, 1.3/8" or 1.1/2" IWRC drilling line (as per specification of the rig).
- h) One additional reel of 16000 ft., 9/16" or 5/8" IWRC sand line (as per specification of the rig).
- i) Appropriate riser for all stages of drilling.

- j) Rig warehouse and workshop
- k) Complete sets of tools / wrenches.
- l) Suitable size & number of bell nipples and flow nipples for making up at the well head.
- m) Suitable capacity (engine or electrically driven pump reciprocating/ centrifugal type) with minimum head of 150 meter and discharge rate of 60 cubic mtr/hr respectively for pumping gauging water to cementing hoppers.
- n) One pair manual tongs for 2.7/8" tubing, 6.500 ft. lb capacity each.
- o) Welding Machine: Diesel powered electric welding generator capable to generate welding current at 480 Hz with Constant Current characteristics with all associated welding and cutting apparatus, Oxy-acetylene cutting equipments with flash back arrestor, brazing etc. Engine should be fitted with spark arrestor. All consumables shall be supplied by the contractor.
- p) One no. hydraulic power tong for 2.7/8" OD production tubings.
- q) Drill pipe and tubing spinner suitable for all sizes and capacity to be operated with rig air supply.

N. **Totco Drift Recorder**: Will be provided by the Contractor.

O. **OTHER PROVISIONS TO BE PROVIDED BY CONTRACTOR**

- a) (i) The contractor shall provide, at his cost a barytes loading platform with shed to facilitate storing and mixing of mud chemicals at well site. The size of the platform should be 700-800 sq. ft. The loading and unloading of materials in the shed and in the barytes and bentonite mixing hopper shall be done by the contractor.
- (ii) Contractor shall make, maintain and use drilling mud as per drilling policy with water loss, weight, viscosity in accordance with mud programme as the OIL may decide as per good oilfield practices, Diligence in keeping the hole and all strings of casing and space between casing filled with drilling mud shall be exercised. Contractor shall maintain and test drilling mud at least twice each hour for weight and viscosity. The contractor shall record the result of such tests and use of mud and mud chemicals in its daily drilling report. Contractor will also be required to keep hourly

record of mud weight, viscosity (in and out), active tank volume etc. making and maintaining the drilling fluid will be contractor's responsibility at his own cost. The detailed mud testing is to be carried out at the well site laboratory twice everyday by Contractor.

b) For / During well testing (Production Testing)

(i) **Schedule - 1**

1. Making & breaking including stacking and running in of production tubing (both 2.7/8" OD EUE N-80 and VAM tubing) as per the standard practice.
2. Installation of Tubing) Head Spool, packing of secondary seal and testing of the same as per the rating.
3. Testing of X-Mas tree and installation of the same.
4. Making necessary tubing/ casing connections to the well head set up.
5. Hooking up of the production equipment namely Tanks, Separator, Steam jacket, ground X-Mas tree etc and test the same before commissioning as per the requirement.
6. To make the gas flare line to the flare pit.
7. To measure the flow rate and to analyze the produced fluid as and when required.
8. To maintain the tubing tally including any down hole production equipment run.
9. All necessary surface connections to be made by the contractor for enlivening of the wells using nitrogen pumping unit. Crane services to be provided by OIL in case any CTU operation is carried out.
10. Hooking up of the steam lines to production tanks and steam jacket.

(ii) **Schedule -2**

1. All production equipment's namely X-Mas tree, Tubing head spool, Hanger flange / Tubing hanger, Separators with all accessories, Tanks, Steam jacket, Ground X-Mas tree, Tubings (both EUE N-80 and

- VAM ), Pipes for surface fittings and flare line etc will be provided by Production Oil Department.
2. All tools required for making up of the above equipments are to be supplied by the contractor i.e. Elevators, slips, Tubing tong, Coupling tong, Hydraulic pumps and other necessary equipment's for hydraulic testing of the separators, X-Mas tree, Ground X-Mas tree, Steam Jacket etc to be provide by the contractor.
  3. Consumables as thread dopes to be provided by the contractor.
- (iii) Mud testing laboratory inclusive of all well site testing equipment as per following list to be provided by the Contractor.
- a. Mud Balance
  - b. Marsh Funnel Viscometer
  - c. Fann Viscometer
  - d. API Fluid Loss Apparatus
  - e. High Pressure/High Temperature Fluid Loss Apparatus
  - f. Lubricity Test Apparatus
  - g. pH Meter
  - h. Salinity Measurement Kit
  - i. Sand Content Measurement apparatus
  - j. Hamilton Beach Mixer.
- (iv) OIL reserves the right for inspection and verification of the rig and associated ancillaries during any time after bid closing date. Bidder should confirm acceptance of this clause in their bid.

7.3 **GROUP-III (MUD /AIR/WATER/FUEL SYSTEM)**

A) **MUD SYSTEM**

- a) A mud system having an active capacity of approximately 1200 bbls and gross capacity of 2200 bbls including reserve capacity, with the following tanks / tanks compartments:
- shale shaker tank
  - setting tank
  - degasser tank
  - desander tank
  - suction tank
  - one trip tank (80 bbls minimum, with 2" x 3" centrifugal pump and 25 HP explosion proof electric motor)
  - one mixing tank
  - Suitable Nos. of reserve tanks to accommodate the above reserve capacity.

- Pre-flush tank, gauging water tank & slug tank (Slug tank should be a part of suction tank capacity around 60 bbls

**NOTE:** Provision for suction of mud from any of the reserve tanks with either of the mud pumps should be kept.

- b) The mud system should include the following:
  - i) High Speed Linear Motion Shale Shaker [LMSS] single or twin unit with minimum 7 G force capable of handling at least 1000 GPM [With 1.08 sp. Gravity water/ polymer based mud] and sufficient number of screens from 20 to 250+ mesh size for drilling various hole sections.
  - ii) Linear Motion Mud Cleaner, capable of handling at least 1000 GPM [1.08 sp. Gravity water/ polymer based mud], having screen size up to 325 mesh size with Desander & Desilter installed over it ( Underflow of Desander & Desilter diverted over the shaker screen) having the following capacities:
    - b.1) Desander (Hydro cyclone type) capacity at least 1000 GPM, (With min. 2 cones) complete with TRW Mission (8" x 6" x 14") or equivalent centrifugal pump and 75 HP (min) motor.
    - b.2) Desilter (Hydro cyclone type), capacity at least 1000 GPM, (With 16-20 cones arranged in 2 rows or circular arrangement) complete with TRW Mission (8" x 6" x 14") or equivalent centrifugal pump and 75 HP (min) motor.
  - iii) Degasser, Vacuum type capacity at least 1000 GPM, complete with suitable compressor, motor and proper gas disposal system with poor boy degasser chamber for disposing gas beyond hazardous area / zone.
  - iv) Two no 10 HP (min) mud agitators with gear box having a min. 36" dia impeller with 4(min) bottom gun jet per tank.
  - v) Mud mixing system, consisting of low pressure hoppers and electric motor driven centrifugal pumps. The System should be capable of mixing mud up to 19 PPG, approx. the system should contain at least two hoppers & two 75 to 100 HP centrifugal charging pumps.
  - vi) The active mud system should have one platform adjoining the tank with approx. dimensions of 30' x 20' for keeping Bentonite barites & other materials for mixing purposes.

Alternatively, contractor should keep adequate provision for keeping Bentonite, barites and other chemicals at site.

- vii) The reserve tank should have independent suction & delivery lines with mixing arrangement through the hopper.
- viii) Electric motor driven centrifugal pumps for above mud cleaning and degassing equipment. Throughout the tank system the following lines shall be installed as required complete with all necessary valves fittings & unions :
  - suction lines
  - mud roll line
  - discharge line
  - water line
  - Mix line
- ix) **Centrifuge:** Brandt's HS-3400 or equivalent High G-force capacity and with long clarification area to process approx. 170 gpm with feed density of 9.3 ppg mud [approx.] at more than 2000 G's. The functions of solids sedimentation, separation and draining are all to be combined in the centrifuge. The unit should be complete with charging pump, Main Drive Motor [FLP type], hydraulic drive, and torque control assembly for centrifuge.

[Note: All safety measures are to be adopted in placement as well as operation period.]

- x) In case, LWC is used while combating stuck pipe situations. LWC shall be provided by OIL free of cost to the contractor. The contractor's responsibility shall be to provide storage facility and infrastructure to utilize the LWC at any moment. In addition, diesel fuel may also be used, for releasing stuck pipe, if the situation so demands, and which shall be provided by the contractor in sufficient quantity and as many times as needed. Cost to be reimbursed by the company at actual.
- xi) Adequate capacity pre-flush tank, gauging water tank slug tank within the suction tank of approx. capacity 60 bbls with all necessary fittings, valves, connection etc. shall be provided by the contractor.
- xii) Moreover the following shall also be provided by the contractor -

- (a) a suitable number of stairways from ground to top of tanks, from ground to choke manifold level, from choke manifold level to top of tank.
  - (b) One crossover platform from mud tank to substructure complete with stairs.
  - (c) Tank shall be covered with bar grating.
  - (d) Hand rails shall be provided on all the outer boundaries of the tanks.
  - (e) The mud tanks and all other accessories are to be mounted on rugged oilfield skids. Mud tanks should be in good working condition and rugged enough to last the entire duration of contract including an extension if any, without having to undergo repairs irrespective of their movement.
- (c) **CABIN FOR MUD ATTENDANT**: A cabin of dimension 5' L x 5' W x 8' height mounted on a skid with one sliding door, 3 safety glass windows (on 3- sides), one knowledge box and one tool box and standard mud lab Baroid Model No. 821-40 shall be provided by the contractor. The inside walls of the cabin are to be provided with thermal insulation and laminated boards. The cabin shall be placed near the intermediate tank at the level of the walkway.
- B) **AIR SYSTEM**: Rig air compressor package consisting of the following mounted on a hut.
- i) Two Nos. electric motor driven reciprocating / centrifugal air compressors each having a capacity of min. 90 CFM at 125 psig working pressure, complete with all accessories.
  - ii) One number cold start compressor capacity 30-40 CFM at 150 psig rated working pressure, driven by diesel engine.
  - iii) 2 nos. air receiver hydraulically tested within last three years with documentary evidence each having a capacity of 80 CFT and rated for 200 psig working pressure complete with air dryer, safety relief valve, pressure gauge, condensate trap etc.
- C) **WATER SYSTEM**: The water system should conform to the minimum requirements as given below for guidance.
- (a) Three Nos. water tanks (also to be used as gauging water tank) Rectangular with covered top 9.9 m long x 2.285 wide x 2.5 height on a four runner skid, with drain out valve, equalizing coupling ladders both in and out of tank. Each tank shall have a man hole opening of 20" x 20" to go inside for cleaning purpose. Total storage capacity: 170 cubic meter (approx.)

One Master Skid 4 runner 10' wide x 32' long for placing the three water tanks. And the skid should be fitted with two centrifugal pumps (as water booster) having capacity minimum 80 m<sup>3</sup> per hour and 26 m head with 40 HP explosion proof 415 volts, 50 Hz, 3 phase electric motors and complete with suction and discharge lines for operation of either or both pumps. One set piping: Std. size & complete with suitable valves for supply of water to mud system from the above 3 tanks.

- (b) **Water Supply:** The contractor shall be responsible for arranging suitable capacity pump for drawing source water from minimum 15 m water source below ground level with all necessary piping, and other set-up.

The Contractor shall be responsible for procuring, transporting and storing/supplying adequate quantity of both drill / potable water to well site / campsite at their cost. The company shall in no way be responsible for any water arrangement whatsoever at well site / campsite.

- (c) **Fuel Tank:**  
Two tank diesel fuel systems having a total capacity of approx 80 KL (450bbl) complete with fuel pre-filters and two electric motor driven fuel / transfer pumps.

**NOTE:**

- i) In case, the rig remains idle for want of a minimum required quantity of acceptable quality water, then 'nil' day rate shall be applicable for the entire period of shut-down.
- ii) In case of total mud loss into the formation while drilling or in case of fire fighting, if the whole water stock is consumed, then 'nil' day rate will not be applicable. However, the contractor has to take urgent & all out effort to replenish the stock immediately in order to tackle the water problem.
- iii) If source water cannot be located within the plinth areas, because of sub-surface formation reason, the contractor shall have to set up water supply station at the nearest available source.
- iv) To cater the need of all emergencies an alternate adequate water source should be identified & arrangement should be kept ready to provide water to camp / well-site to meet the emergencies.

D. **ELECTRICITY**

- (a) Generation and supply of electrical power for running the entire operation and for various uses in the camp and well site shall be done by the contractor. Provision shall be made for standby generators both at camp & well site to ensure uninterrupted supply of electricity. Adequate lighting shall be provided in the camp, campsite, and drill site by the Contractor. Supply of electricity to company's mud logging unit and other equipment which operate on 220/415V - 50 Hz shall also be the contractor's responsibility at their cost. The contractor must provide facility for running all electrical equipment of OIL & their own both at 50Hz - AC and 60 Hz AC capacity wherever they are applicable. Rig lighting system shall conform to API standard and be connected to the main rig power system. Standby provision should be kept to meet the requirement as and when necessary. In addition the contractor must provided 5 (Five) Nos. of Flasher type aviation warning light for fixing at mast and conforming to API standard, which shall be used as per OIL's instruction.
- (b) All electrical equipment such as motors, light fittings, push button stations, plug & sockets, junction boxes, motor starters etc. used in hazardous area should be certified for the flameproofness by CMRS or equivalent authority and must be approved by DGMS for use in the drilling rig. In case of Indian origin, details of CMRS certificate and DGMS approval should be engraved on the name plates of such equipment.
- (c) **Transformer, Lighting Transformer, Generator**  
In case of 3-phase and 4 wire systems & the middle conductor of a 2 phase 3 wire system - The neutral conductor shall be earthed by not less than two separate and distinct connection with a minimum of two different earth electrode or such large number as may be necessary to hiring the earth resistance of neutral to a satisfactory value (I.E rules no 61 (1) (a)).
- (d) The neutral system should be such that, the fault current shall not be more than 750 m A in 550/1100 volt system for oil field. The magnitude of the earth fault current shall be limited to the above value by employing suitable designed restricted neutral system of power supply (I.E rule 116 (i))
- (e) **Earth leakage protective device:**  
All the outgoing feeder for motor, lighting shall be provided with earth leakage protective device so as to disconnect the supply instantly a the occurrence of earth fault or leakage of current (I.E. rule no 61 A).

- (f) All the electrical equipment, PCR, Diesel tanks, Mud tanks should be double earthed.
- (g) The bidder should furnish the following along with the offer which are required for obtaining approval/permission from DGMS (Electrical) at their end.
  - i) Single line power flow diagram of the rig.
  - ii) A Plan layout of electrical equipment used in the rig.
  - iii) Details of all electrical equipment used in the rig as per the format given in Annexure-III.
  - iv) Details of all cables, light fittings, push button stations, plug & sockets, junction boxes, motor, starters etc. used in the rig as per the format given in Annexure - IV.
  - v) A layout of the complete earthing system including earthing of diesel tanks, PCRs, AC & DC motors starters, alternators & any other electrical equipment used for the purpose.

**Note:** Bidders have to furnish a list of Electrical equipment to be used in hazardous areas as per format given in Annexure-VI. The Electrical equipment must have certifications of flameproofness from CMRI, Sitarampur if the equipment are of Indian origin or by any equivalent foreign certifying agency if the equipment are of foreign origin and all have to be approved by DGMS, Dhanbad as a statutory requirement (Oil Mines Regulations, clause numbers 73 & 75).

- (h) Pressurized type driller's console and foot throttle should be used in the rig. Air purging system should be provided for the above.
- (i) The entire electrical installation job should be carried out as specified in the latest version of Indian Electricity rule and relevant standards and precaution should be adopted in the Oil field as specified in the India Electricity rule.

**E. MOBILE EFFLUENT TREATMENT PLANT / EFFLUENT MANAGEMENT**

Full-fledged Mobile Effluent Treatment Plant (ETP) with laboratory facility to test the solid and liquid output and to match the requirements for drilling locations in N.E region in line with the recent guidelines from Ministry of Environment and Forest and safe disposal of Oil Drilling Effluents as below :

1. Capacity: The ETP shall have the capacity to handle maximum of 150 cubic meters and minimum of 50 cubic meters input per day. For solid effluent, it shall have the capacity to handle 50 cubic

meters input per day including solid cakes come from mechanical separation unit.

2. The liquid and solid output from the ETP shall conform to the recent CPCB (Central Pollution Control Board) and SPCB (State Pollution Control Board) norms and follow MoEF (Ministry of Environment & Forest) guidelines published time to time. The liquid output coming out from ETP (final output) shall conform to the standard IS 10500 (or recent amendments for potable water).
3. The treatment process shall be of chemical separation and mechanical separation.
4. The plant shall be in side mining area and shall comply with OMR 1984.
5. DGMS approval shall be required in some specific equipment as per OMR 1984
6. Laboratory facility with competent personnel to test and report output analysis.
7. ETP shall be efficiently operating condition from the day of spud-in to day of declaration for ILM to next location.

F. **MISCELLANEOUS ITEMS**

- (a) Dog house
- (b) Two section cat walk and pipe racks of sufficient capacity and length.
- (c) Storage and tool house.
- (d) Pipe and casing rack of suitable height and adequate capacity.
- (e) Suitable arrangement at the end of flow nipples of well head for fixing gas monitoring equipment, with a suitable shed for the gas logger at that location.
- (f) Gas Monitoring apparatus.

G. **DRILLING INSTRUMENTATION**: The rig should be equipped with the following instruments of Martin Decker or equivalent make:

- (a) Weight Indicator – MD Totco Make, type EB or equivalent weight indicator, panel mounted, with single dead line of 75000 lbs capacity and complete with accessories and wire line anchor Model HA 120 T-SG wireline size 1-3/8” with E551 Compressor Load Sensor.
- (b) Driller’s console should contain 1 No. of suitable Mud pressure gauges (additionally one on stand pipe manifold, two on both mud pumps) tong torque system, rotary torque gauge, RPM meter and pump SPM counter for each rig pump.

(c) Suitable Mud volume totalizer (MD Totco or equivalent Pneumatic pit level system) and flow fill indicator and recording system for all tanks (including trip tank) shall be provided at Driller console. It should include emergency honking system, signal alarm and visual display boards at strategic points, consists of :

- i) 1 – 6” Mud Volume Indicator F/Mud Level
- ii) 1 – 6” Loss and Gain Indicator W/ Hi & Low Alarms
- iii) 1 – Averager box with 6” Indicator mounted near the mud pits
- iv) 1 - % of Flow Indicator with Alarms
- v) 1 - Flow Line Sensor with Flange
- vi) 1- 3 Pen, 12" Circular Chart Recorder to record Flow and Total Mud Volume, Trip Tank
- vii) 100 – Ft. of single air line for air supply
- viii) 5 - Stainless Steel 8’ Pit Probe
- ix) 600-ft. of Dual Air Hoses, Air Lines, Connections, Clamps, Fittings, Etc.

Trip Tank Monitoring system:

1 - 6" Trip Tank Indicator with high and low alarms with high and low alarms (audible & visual)

1 - S/S 8' Pit Probe with mounting bracket

200 – Ft. of dual air lines with fittings

50 – Ft. of single air lines for air supply,

1 – Lot of miscellaneous connections, clamps, fittings, etc.

(d) Seven channel recorder or electronic Data Acquisition System equipped with DGMS approved electrical component to exhibit and record string weight, mud pressure, rotary torque, RPM, mud pump SPM and ROP suitable located at derrick floor preferably inside the dog house.

Drilling Recorder: Located at inside the dog house.

- 7 Pen Drilling to record the following parameters:

- Hook Load (Sensator Weight)
- ROP, (24 Hr. Drum Rotation)
- Electric Rotary

RPM

- SPM 1
- SPM 2

Recorder to include the following Hook-up Kits:

Hook Load:

50' Hydraulic Hose with Quick Disconnects  
ROP:  
Retriever Spring Assembly  
Spool with 400' of ROP Cable  
Crank,  
3 Derrick Sheaves  
Downtime Valve with Air Lines  
Rotary Torque, Electric:  
E/P Transducer, I.S.  
Dual output Current Sensor Assembly,  
Amplifier (Donut)  
Pump Pressure:  
50' High Pressure Hose  
2 Sets of Quick Disconnects  
1502 Sending Unit  
Rotary RPM:  
E/P Transducer, I.S.  
RPM signals supplied from Signal Converter System  
SPM 1, SPM 2,  
(2) E/P Transducers, I.S.  
SPM signals supplied from Signal Converter System

**GENERAL NOTES:**

- (a) Minor variation in size and specification of tools and equipment quoted with the rig should be acceptable provided these are fully compatible with the offered rig.
- (b) The total number of rig loads required for rig movement should be clearly spelt out in the bid giving details of each load.
- (c) Approximate transportable dimension of one rig load should be confined to 9 M (L) x 3.5 M (W) x 3 M (H).
- (d) Supply, storage, consumption / regulation of water & fuel at the well sites as well as at the camp site shall be the contractor's responsibility. Any shut down of operation due to non-availability of water and fuel shall be on the contractor's account.
- (e) The Bidder shall submit the layout drawing of the offered rig package indicating loading pattern of soil / foundation under the following conditions:
  - (i) While raising / lowering mast.
  - (ii) With rated hook load + set back load.
  - (iii) With casing and set back load.

The above shall be furnished with the bid.

- (f) The Contractor shall stock, adequate amount of screens (mesh sizes 16,40,60,80,100 & 120 etc.) for shale shaker and size 150 and beyond for mud cleaner. Simultaneously, enough stock of desander / desilter / mud cleaner cones & other spares shall also be maintained by the Contractor.
- (g) The digging of deep tube wells at the respective sites and installation / operation of water pumps, extraction of water from deep tube wells for rig as well as camp shall be the contractor's responsibility. However, for the sake of the Contractor's knowledge the depth of deep tube well in the region will be approximately 15-50 m (with double filter installed). Supply of water from alternate sources shall be the responsibility of the Contractor, if no water is found at the exact camp or well site.
- (h) Supply of LDO / LWC for mud preparation and for meeting other downhole eventualities will be the company's responsibility. The Contractor shall also provide fuel for all of their vehicles and other stationary engines.
- (i) All sorts of lubricants for day to day operation of various rig equipment shall be supplied by the Contractor. Also, various spares for rig components shall be stocked / supplied by the Contractor.
- (j) All sizes of drilling bits as required separately under different casing / hole policy shall be provided by OIL. Contractor will supply on request, bits selected by OIL at actual cost + 5% handling charge.
- (k) Adequate stock of Grip-lock rubber protectors, fluted type for 5" Drill pipes along with installation device shall be stocked by the contractor.
- (l) At least 4 Nos. of non - rotating rubber sleeve stabilizers for 5" OD x 19.5 PPF x Gr. E/G drill pipes with sufficient nos. of spare replaceable rubber sleeves.
- (m) **Time frame:** No. of wells and other well parameters are indicative only. The contractor will initially be applicable for a period of **3 years** of operation. At the end of **3 years** period OIL at its discretion may extend it for another 1-year period at the same rate, terms and condition. Thus the total contract period may be valid for 3+1 years irrespective of no. of wells, size of hole or meterage drilled.

- (n) Well Logging Service: All logging requirements as depicted in the drilling programme will be met by OIL through its in-house or logging contractor's service.
- (o) Well killing: The primary responsibility of well killing and all related operations shall lie with OIL. OIL shall provide man, material and fire service for this purpose. OIL shall render help in civil administration when such a situation arises. Competence of the Contractor's well killing operation shall be decided by OIL. Based on this, OIL reserves the right to bring in external experts. The resultant cost thereof shall be borne by the contractor, in the event that the blow out occurred due to negligence of the Contractor.

#### 7.4 **CIVIL ENGINEERING WORKS**

7.4.1 The approximate well plinth preparation for a similar drilling rig with the company is broadly as follows;

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

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

7.4.2 All Civil Engineering jobs associated with preparation of approach road, well site plinth, well site toilets as per OIL standard, rig foundation (with cellar) etc. will be the Company's sole responsibility. However, the Contractor shall submit the following in order to assess the quantum of civil engineering works required :

- a) Rig layout drawing clearly indicating areas where road / hard standing is required.
- b) Substructure foundation design and detailed working drawing.
- c) Cellar foundation design and detailed working drawing. Also, indicate maximum allowable cellar foundation size.
- d) Structural configuration and load distribution of the rig package / equipments.
- e) Detailed design and working drawing of any other equipment requiring cement/concrete foundation.
- f) All approach roads to well site and hard standing of well sits will be made from gravel locally available without any black topping what so over as per prevailing practice.

- 7.4.3 Grouting of the false conductor including supply of the false conductor (may be in cut pieces) & civil-materials will be responsibility of OIL. However, Sizing/ fabrication work or any other associated job is to be done by the Contractor.
- 7.4.4 All grouting required for anchoring guy post/any wire line (if required), delivery/other lines etc. including supply of civil-materials for such jobs will be responsibility of OIL.
- 7.4.5 Maintenance of Well plinth, Approach roads to well sites, shall be the Company's responsibility including supply of materials.
- 7.4.6 OIL will provide the land required for the base camp at Rig/well site with approach road and will also be responsible for preparation of camp site, making foundation, maintenance of this campsite & its approach road including supply of civil materials. However, setting up of the camp other than the mentioned jobs herein is the responsibility of the contractor.
- Note: Contractor should provide necessary lay-out, drawings and other details required for preparation of base camp site by OIL.
- 7.4.7 Sinking of drinking water tube well and recovery of water for rig/well-site and for contractor's camp at well-site. However materials (hand-pump/ pump(s), pipes etc) required will be provided by the contractor. Sinking of source water tube well, lifting and storage/supply of source water for Rig/well operation including all required materials/ equipment/pumps etc will be contractor's responsibility.
- 7.4.8 Construction of all types of sheds/ramps (if required by the contractor) over equipments, tanks, chemical storage, telephone etc or construction any temporary hut required for operation and also subsequent dismantling of the same after completion of well will be the responsibilities of the company (OIL). *CGI sheets for such jobs are to be provided by the contractor* and all other materials will be provided by OIL.
- 7.4.9 Erection and dismantling of Panel fencing in well site as per OIL's standard drawing. The required Panel fencings as per OIL's drawing will be supplied by the Contractor.

**Note:**

1. Civil Materials mentioned in above clauses are cement, sand, aggregate, brick/brickbats, gravels, boulders, broken stone etc.
2. All the civil ancillary jobs are under OIL's responsibility and intimation from Contractor for getting the jobs done in time

should be received by OIL well in advance so that drilling operation is not hampered.

7.5 The Contractor shall furnish the following additional information:

a) Power flow diagram of the rig.

7.6 **ASSOCIATED SERVICES:** The Contractor shall offer the following associated services along with the rig package.

A. **MUD ENGINEERING SERVICES**

i) Standard Mud testing laboratory with the requisite mud testing equipment including but not limited to Fan Viscometer, API & HP-HT fluid loss apparatus, lubricity testing equipment etc. along with the laboratory & necessary mud testing equipment/apparatus etc. shall be provided by the contractor.

ii) OIL shall submit a detailed stage wise mud programme based on the depth data/casing policy as indicated in this document including their recommended dosage for mud additives and optimum range of mud parameters which need to be maintained by Contractor at the well site for achieving trouble free drilling operations.

iii) Shift wise mud report in detail (as per standard IADC Proforma) indicating all mud properties like mud weight, viscosity, API fluid loss, HP-HT fluid loss, 'O' gel/15' gel, mud stock, details of chemicals/additives mixed during the shift, the operating condition of solid control equipment, Mud hydraulics etc. shall be prepared and submitted to the company representative.

iv) The Contractor must ensure proper maintenance of mud parameters to avoid damage to producing formations and maintain a good bore hole. He should also ensure the availability of mud chemicals at well site by submitting his requirement to the company's representative well ahead of time.

v) In case of any difference of opinion at any stage, with regard to mud policy, OIL's mud programme shall prevail and the Contractor must use OIL's mud policy at that point of time.

B. **CEMENTING SERVICES**

(a) OIL shall perform the cementation jobs at the wells planned to be drilled. The Contractor shall provide the following tools, equipment and services to enable OIL to carry out the jobs successfully.

- i) Compressor as per specification or equivalent, specified in Annexure-VI, to be utilized for loading/off-loading of oil well cement at well site. The requisite spares for compressor is to be maintained by contractor.
  - ii) Both slush pumps shall be used (individually or in conjunction) to pump cement slurry. Expected parameters are 3500 psi, (max.) 400 GPM.
  - iii) Unloading of OIL's cement from transport silos to field silos & vice - versa at well site.
  - iv) Field silos (OIL's) attached to the rig shall be rigged up / down, operated, maintained and transported by the Contractor.
  - v) OIL shall provide a platform with a set of hoppers, bucket tank (4'x4'x2') to the Contractor/which shall be operated and maintained by the contractor. All necessary lines & fitting for above arrangement will be provided by OIL.
  - vi) Transportation of materials as mentioned in 'd' shall be Contractor's responsibility during ILM.
  - vii) The Contractor shall provide suitable air connection with adequate air supply and suitable air regulator to tap air pressure from main air supply of the rig or its branches for hooking up to cementing silos for pneumatic loading / unloading of cement to the cement hoppers / field silos.
  - viii) Contractor shall assist to deploy all other cementing services/contract, which may be provided by company in future.
  - ix) Slurry mixing/gauging water pump, reciprocating type of adequate pressure and volume, during entire cementing operation. The pump should be Make-Bourn Drill Model-MP10-7.5 or suitable equivalent having following specifications:
    - Liner size: 6"
    - Stroke length: 10"
    - Discharge Volume: 427 US GPM.
    - Maximum Discharge Pressure: 574 PSI
    - Input Horse Power: 75 HP
    - Engine: 6YDA, 92 HP at 1800 rpm
- (b) The Contractor shall be required to assist OIL in performing all cementation jobs at all the wells.

- (c) OIL may at any time decide to utilize a cementing unit for carrying out the cementation job. Further the Contractor will carry out cleaning / flushing of cementing unit and associated surface lines after completion of the cementing jobs.
- (d) The size of field silos to be provided by OIL shall be 8.06 m (H) x 2.75 m (W) x 2.75 m (W) = 2 Nos. or as available.
- (e) **Other functions**  
A cementation job includes all primary, secondary and plug cementation of a well. The mode and schedule of cementation of the well where the Contractor's rig is deployed at the time shall be fixed by OIL. The Contractor shall render all personnel, machinery, infrastructure (excepting the items mentioned under clause B(a)(v) above), water, air, etc. to carry out the jobs successfully.

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

#### **Fixing of cementing accessories and equipment**

Following specific facilities are essential in order to utilize cementing units besides rig pumps for executing primary cementation jobs.

One additional high-pressure (5000 psi) discharge line (minimum 3" dia) other than standard mud pump delivery line is necessary. This particular line, connecting both the rig-pumps with stand pipe junction manifold at Derrick floor should be provided with adequate valve arrangements (for isolation) wherever required for the purpose of flexibility during cementing operation. We should have the option of utilizing both rig pumps as well as cementing units for carrying out cementation jobs. Once again we repeat that the 3" dia. HP line must have provision for receiving delivery from both rig pumps with adequate isolating facilities.

2" hammer union T-type outlets from the rig pump pressure gauge points should be provided for connecting pressure recorder assembly during cementing operation. The said facility should have the provision of interconnecting both the pumps through 2" high pressure line having adequate isolating facilities. These

facilities must ensure recording of relevant data even while carrying out parallel pumping.

**Note:** A common suction line of 8" NB for both the slush pumps from the cementing hoppers and pre flush tank must be provided with necessary fittings, valves etc.

**Pre cementation equipment readiness**

The contractor shall thoroughly clean-up and make all cementing suction and delivery lines from slurry mixing/preflush tanks etc to slush pump and slush pump to stand pipe junction manifold point at Derrick floor, all mud lines, air & water lines perfectly ready to the satisfaction of OIL's Cementing Engineer.

One remote electrical control panel to operate the rig slush pumps should be installed at a suitable place near slush pumps for operation and control of the pumps by the Cementing Engineer.

**During cementation readiness**

The Contractor shall, during the cementing job, attend to all problems, render help and rectify all defects to the satisfaction of OIL's cementing Engineer. These shall include equipment and accessories supplied by OIL also.

**Post Cementation follow up action**

The Contractor shall carry out cleaning and flushing to remove all traces of cement from unwanted locations. They shall also disassemble and remove/load all OIL's equipment, which are required to be removed after the mandatory period.

- C. **CORING SERVICES:** The Contractor shall be required to take cores during drilling in different stages whenever desired by OIL. The Operating Day rate will be applicable during the coring period. The total number of days envisaged for coring per location will be finalized by OIL later. The hole proving trips / preparation of hole to take cores will be considered as coring operation. All materials required to take cores will be supplied by OIL.
- D. **CATERING SERVICES**
1. A suitable catering service serving Indian and continental food to the contractors personnel and 12 nos. OIL designed personnel shall be made available during the entire contractual period by the contractor. The Contractor shall also provide catering service to all third party Contractors under their purview.

2. CHARGE FOR FOOD: Charges for food for each additional Company's or Company designated persons shall be paid per meal to be computed on the basis of individual meals.
- E. **MEDICAL SERVICES:** Suitable first aid medical services shall be provided by the Contractor on round the clock basis. Contractor shall provide proper First-Aid trained personnel with sufficient quantity of first aid equipment and medicines to meet any emergency.
- F. **CAMP AND OTHER ESTABLISHMENT:** Suitable camp facilities for Contractor's personnel (inclusive of third party Contractor s personnel) including camp site dispensary and catering services shall be provided by the contractor. Additionally, fully furnished air conditioned bunk house type accommodation should be provided for at least 12 company personnel or OIL's representatives. The camp should be well maintained with normal recreational facilities including VCD, Colour TV, music system etc. at the contractor's cost. The camp facilities to be provided by the contractor to the company should include but not limited to the following:
- a) 2 Nos. 1 seater unit accommodations with attached bath and toilet.
  - b) 2 nos. 2 seater unit accommodation with attached bath & toilet. One no. of this may be placed at well site.
  - c) 2 Nos. four seater accommodation with attached bath & toilets.
  - d) One dual office unit to be used as company Representative & Tool Pusher office at site. This unit should be attached with Tool Pushers office and should have inter-connection.
  - e) One additional office unit to be used by the company at well site, with facility for use by 4 nos. of OIL officials.
  - f) Dwelling units may be 2 seater except for Company's representative which should be single seater.
  - g) All bunk houses shall be air-conditioned and fully furnished.
  - h) The Company reserves the right to obtain catering services at camp and well site la-carter (other than fixed menu), with room service. Facilities like laundry service will be shared.
  - i) At least one spacious air conditioned bunk house containing all recreational facilities.
  - j) One air conditioned communications bunk house containing all communication equipment.
  - k) One laundry unit with attendant service.
  - l) One air conditioned bunk house type first aid disbursement room to meet any emergency with doctor and attendant.
  - m) Spacious dining hall shall be provided by the company. Kitchen, store bunk house etc. as per convenience of the Contractor.
  - n) 1 No. office cum living bunk house at well site.

**NOTE:**

- i) The Contractor should bring light and easily transportable dwelling units for camp establishment.
- ii) All units including those to be used as office/lab. Should be fully furnished and air conditioned with proper lighting arrangements. The dimensional sketches of all units are to be provided with the bid. Disposal of any effluents from toilets/kitchen etc. will be the responsibility of the Contractor. The Contractor shall be solely responsible for keeping the entire camp area and well site neat, clean and hygienic.
- iii) About 30 m x 30 m of area is to be demarcated for placement of above living bunk houses for OIL#s personnel. The area is to be properly leveled with suitable drainage system, fenced (with XPM / barbed wire fencing) and well protected with Iron Gate.

G. **FIRE FIGHTING AND SAFETY EQUIPMENT/SERVICES:**

(As per API wherever applicable)

- i) Safety: Contractor shall observe such safety regulations in accordance with acceptable oilfield practice and applicable Indian Laws. Contractor shall take all measures reasonably necessary to provide safe working conditions and shall exercise due care and caution in preventing fire, explosion and blow out and maintain fire and well control equipment in sound condition at all times. Contractor shall conduct such safety drills, BOP tests, etc. as may be required by company at prescribed intervals.
- ii) Contractor shall provide all necessary fire fighting and safety equipment as per laid down practice as specified under OISD - STD - 189 and OMR.
- iii) Fire protection at drilling sites shall be the responsibility of the Contractor. Necessary action shall be taken and prior arrangements to be made for providing competent persons trained in the field of fire fighting (certificate/diploma holders) at the rig site.
- iv) Documentation, record keeping of all safety practices should be conducted as per international/Indian applicable laws, act, regulations etc, as per standard Oilfield practice and these records should be made available for inspection at any point of time. The H.S.E (Hygiene Safety and Environment) policy as well as emergency procedure manual should be kept at site. Compliance of these shall be the sole responsibility of the contractor.

- v) One ambulance with dedicated driver shall be kept standby at well site for 24 hrs. to meet any emergency with all basic facilities like stretchers, oxygen cylinders, first aid facilities, etc.

H. **MAINTENANCE OF COMPANY'S EQUIPMENT**

- i) In case of any non conformity in the connections/sizes between various equipment and tools to be provided by the Contractor, which depart from the generally adopted procedure followed for a particular equipment/tool of the rig package, the company reserves the right to ask the contractor to provide all necessary accessories to use such items without any obligations on the part of the company. This clause shall not however, be unduly exercised without consultation/agreement with the Contractor.
- ii) The Contractor shall erect, commission, dismantle the cementing field silos along with platform with sets of hopper, bucket tank & fitting which shall be handed over to the contractor at the first well for cementation. The contractor shall draw or tap required air supply from the auxiliary lines from the contractor's rig compressor for its operation. After completion of the well the same should be transferred to the next forward location by the contractor as part of the rig package.
- iii) Loading of Barytes shall have to be carried out by the Contractor.
- iv) The Contractor shall provide one no. chemical godown with floor space of approx. 660 Sq. ft. of appropriate dimensions with proper raised brick soled cemented/wooden flooring for storing of chemicals, LCM etc.
- v) The Contractor should ensure that RED AVIATION WARNING LIGHTS on the crown of the mast have been provided as per Aviation Standards.
- vi) Contractor shall assemble, dismantle, move all OIL's designated items attached with the rig without any obligation to OIL.

I. **PERSONNEL TO BE DEPLOYED**

- I) The Contractor will have to deploy adequate manpower to carry out the required operations. The deployment pattern will be as per the contractor's discretion for all the required services except for the rig operations during drilling & completion phases for which the deployment pattern has to be as per the following norm with the indicated key personnel:

<b>Sl. No.</b>	<b>Key Personnel</b>	<b>Number on location per shift</b>	<b>Working Hours</b>
1.	Rig manager/Rig Superintendent / Area Manager	1(one)	On call 24 Hrs
2.	Tool Pusher	1(one)	12 Hrs
3.	Tour Pusher/Night Tool Pusher	1(one)	12 Hrs
4.	HSE Officer	1(one)	On call 24 Hrs
5.	Driller	1(one)	12 Hrs.
6.	Asstt. Driller	1(one)	12 Hrs
7.	Derrick Man/Top man	2(two)	12 Hrs
8.	Floormen/ Roustabout	10(ten)	12 Hrs
9.	Mechanic	1(one)	12 Hrs
10.	Mechanical Engr.	1(one)	On call 24 Hrs
11.	Electrical Engr.	1(one)	On call 24 Hrs
12.	Rig Electrician	1(one)	12 Hrs
13.	Mud Engineer/Well site Chemist	1(one)	12 Hrs
14.	Welder	1(one)	12 Hrs
15.	Heavy Crane/Pipe layer operator	1(one)	12 Hrs
16.	Telephone Attendant	1(one)	12 Hors.
17.	Catering Personnel	As required	
18.	Gas Logger cum sample washer	1(one)	12 hours
19.	Effluent Treatment Plant Supervisor	1	12 hours
20.	Laboratory Assistant for Effluent Treatment Plant	1	12 hours

II) The Rig Manager/Rig Superintendent/Area Manager has to be present at site all the times and should report to Drilling Department's office as and when asked for to receive instruction/resolving any issue on contractual obligation.

III) **KEY PERSONNEL:** The qualification and experience of the key personnel are to be as under:

a. **Area Manager/ Rig Manager/ Rig superintendent**

- i) Should be of sound health and have work experience in deep drilling oil / gas wells, for about 10 years, of which at least 5 years should be in a senior management level.
- ii) Must possess valid well control certificate (IWCF) and should be conversant with well control methods to take independent decisions in case of well emergencies.
- iii) Qualification: Must be Engineering / Science Graduate or engineering diploma holder.

b. **TOOL PUSHER:** Should be of sound health and have work experience in drilling deep oil/gas wells.

i) Should be conversant with working in diesel electrical rigs.

ii) Must possess valid well control certificate (IWCF) / IADC well cap; and should be conversant with well control methods to take independent decisions in case of well emergencies.

iii) Should be conversant about mud chemicals & maintenance of mud property.

iv) **Qualification and experience:**

<b>Qualification</b>	<b>Minimum inline Experience (in years)</b>
Graduate in Engineering / Science Or 3-Years Diploma in Engineering or B.Sc or equivalent	10-years in Drilling, out of which at least one year as rig-in-charge in exploratory & development wells.

c. **TOUR PUSHER/NIGHT TOOL PUSHER:** Should be of sound health and have work experience in drilling deep oil/gas wells.

i) Should be conversant with working in diesel electrical rigs.

ii) Must possess valid well control certificate (IWCF) / IADC well cap; and should be conversant with well control methods to take independent decisions in case of well emergencies.

iii) Should be conversant about mud chemicals & maintenance of mud property

iv) Qualification and experience:

<b>Qualification</b>	<b>Minimum inline Experience (in years)</b>
Graduate in Engineering / Science Or 3-Years Diploma in Engineering or B.Sc or equivalent	6-years in Drilling, out of which at least one year as tool /tour pusher of exploratory & development wells.

- d. **HSE Officer**: Should be of sound health and have work experience in E & P Company of about 1 year.
- i) Duties and responsibilities include safety during drilling site preparation, rig up, rig down & rig move, raising & lowering mast, rig floor operations like making & lowering of BHA, cementing jobs, tripping in / out of tubular, safety meeting during crew change, pre job safety meetings, routine inspection rig and well site, preparation of job specific SOP in local language, ERP (Emergency Response Plan), Risk Register, preparation of Job Safety analysis, Permit to Work systems, investigation & analysis of accidents, incidents & near miss.
  - ii) To follow all DGMS, OISD & MoEF guidelines and submit return at specified intervals.
  - iii) Responsible for designing 'Safe Briefing Area' and advising all personnel of the 'current' safe briefing area.
  - iv) Responsible for issuing safety equipment to all personnel arriving at rig and ascertain that all personnel use and maintain these equipment properly.
  - v) Responsible for designing location entrance and exit.
  - vi) **Qualification and Experience**: Should be a graduate in Science and have work experience in E & P Company of about 1 year. Health, safety & Environment experiences included formation and implementation of HSE policies, Work site inspection & hazard identification, Permit to Work system, pre job safety meeting, Accident, Incident and Near Miss Investigation & analysis, Report making and record keeping, selection of PPEs suitable for work activity & work environment, work site inspection and audits, and Emergency Response Planning & loss control programs, taking precaution for pollution control and environmental management. Should have knowledge on ISO, ISRS etc.
- e. **DRILLER**: Should be of sound health and have work experience as driller for a minimum period of 5 years in drilling oil/gas wells.
- i) Should be conversant with working in diesel electrical rigs.
  - ii) Must possess valid well control certificate (IWCF) / IADC well cap; and should be conversant with well control

methods to take independent decisions in case of well emergencies.

iii) Should be conversant about mud chemicals & maintenance of mud property.

iv) Qualification and Experience:

<b>Mini. qualification</b>	<b>Minimum in line Experience (in years)</b>
3-years Diploma in Engg /B.Sc or equivalent	5 years in Drilling, out of which at least one year as Shift in-charge/ Driller

f. **ASSISTANT DRILLER:** Should have minimum of 4-5 years experience as headman of a drilling crew in drilling oil gas wells

i) Should be conversant with working in diesel electrical rigs.

ii) Should be conversant with well control methods to take independent decisions in case of well emergencies.

iii) Should be conversant about mud chemicals & maintenance of mud property.

iv) Qualification: SSC/HS/PU/I.Sc or equivalent with 4-5 years experience as Asst. Driller/ Head-man.

g. **TOPMAN:** Should have minimum 1 year experience as Topman in a drilling rig.

h. **FLOOR-MAN/ROUSTABOUT:** Should have sufficient knowledge/ experience in working at derrick floor in a drilling/Work over rig with at least one year experience as Floor man/Rigman.

i. **MECHANICAL ENGINEER:** Should have a degree in Mechanical Engineering or Diploma in Mechanical Engineer with mini. 6 years experience in Diesel Electrical Drilling Rig.

j. **MECHANIC (IC) / (PUMP)**

i) Should have a minimum working experience as Master mechanic in drilling rig.

ii) Should have sufficient knowledge of operation and maintenance of Drilling/workover rigs and its components viz. engines, rig pumps supercharge pumps, centrifugal pumps, solid control equipment, degasser, shale shaker

and all other mechanical items/engines operating in drilling rigs.

iii) Qualification: Diploma in Mechanical/Chemical B.Sc or equivalent with 3 years experience or SSC/HS/PU/I.Sc or equivalent with 6 years experience. Out of which at least one year as Mechanic in Drilling /Work over rig.

k. **ELECTRICAL ENGINEER / CHIEF ELECTRICIAN**: Should have Degree in Electrical Engineering with minimum 3 years experience OR Diploma in Electrical Engineering with 5 yrs experience in Diesel Electric drilling rigs. He should be confident in independently carrying out the fault finding analysis, rectification of fault, operation and maintenance of all the electrical items of diesel electric drilling rig including the air conditioners. He must possess valid Electrical Supervisor's Certificate of Competency issued by State Licensing Board and should be conversant with Oil Mines Regulations and Electricity rules. Diploma and ITI certificate holders are not acceptable as Electrical Engineers. Moreover, the Electrical Engineer must be conversant with the existing AC/SCR system of drilling rigs like HILLGRAHAM UK, General Electric USA and BHEL MAKE (CED) Bangalore system.

l. **RIG ELECTRICIAN**: Must be diploma / ITI in Electrical discipline with minimum 3 yrs. / 8 yrs. Experience respectively in the operation and maintenance of diesel electric drilling rig independently in shifts. He should be able to read circuits, communicate, detect and rectify faults. He must possess valid Electrical Supervisor's Certificate of competency issued by State Licensing Board.

m. **WELDER**: Should have adequate experience in working in drilling wells and must be conversant of welding of casing and well head accessories. He must possess the certificate of welding trade from any recognized institute of State Govt. (One year course).

n. **MUD ENGINEER**: The minimum educational qualification should be science graduate with chemistry as a subject from a recognized university.

Experience: The Mud Engineer(s) must have a minimum 5 years of work experience in managing independently various kinds of muds in deep exploratory/development wells and other related activities. Prior to deployment the Contractor should provide a detailed resumed of the mud engineer(s) highlighting

qualifications and relevant experience (field experience) with documentary evidence for Company's scrutiny and approval).

o. **HEAVY CRANE / PIPE LAYER OPERATOR**: Should have a minimum of 2 years work experience in operating a heavy crane/pipe layer attached to drilling rigs and possess license for driving heavy motor vehicle. He should be able to operate road roller.

p. **SUPERVISOR FOR MOBILE EFFLUENT TREATMENT PLANT**  
Should be of sound health and have work experience in E & P Company of minimum 2 years. He shall have a minimum degree of Bachelor of Science in Chemistry from Govt. recognized University. He shall be conversant to all the SPCB/ CPCB, DGMS, OISD & MoEF guidelines.

q. **LABORATORY ASSISTANT FOR ETP**  
Should be of sound health and have work experience in E & P Company of minimum 2 years. He shall have a minimum educational qualification of 12+ from recognized University/ Board. He shall be conversant to all the SPCB/CPCB guidelines.

IV) On top of the experience of the personnel as listed above, they all should be conversant with BOP drill as per standard oilfield practice.

V) In addition to the above key-personnel, following additional personnel are to be made available compulsorily throughout the contract period.

Category	Nature of duty		Min. Experience
Suitable medical services with First Aid Trained personnel	Available for 24 hours/day		
Cook for camp site	2 Nos.		With adequate experience
Camp Boss	Available for 24 hours/day	One	- do -
Laundry attendants	Each 12 hrs per day 2 Nos.		- do -
Camp Cleaner	1 No.		- do -
Field administrator	On call basis 12 hrs	One	- do -

**Note:**

a) An undertaking from all the personnel as per Proforma (Annexure VII) should be forwarded after deployment of manpower prior to mobilization.

- b) The personnel deployed by the contractor should comply with all the safety norms applicable during operation.
- c) **Medical Fitness:**
  - i) The Contractor shall ensure that all of the Contractor Personnel shall have had a full medical examination prior to commencement of the Drilling operation.
  - ii) A qualified and registered doctor shall conduct all such medical examinations in accordance with accepted medical standards.
- d) **Training Courses:**
  - i) The Contractor shall ensure that all of the Contractor Personnel performing services hereunder shall have attended all safety and operational training courses such as mines vocational training etc. required by applicable law and as is generally consistent with international petroleum industry practice and/or as otherwise required by the Company.
  - ii) The Contractor shall, if requested, forthwith produce valid and current certificates of completion or attendance for the Company's inspection.
- e) Personnel should be well versed in fire fighting, BOP control, gas testing etc. The appropriate certificates to this effect, issued by ONGCL/OIL or any other organization, also should be submitted prior to mobilization.  
  
(In case, the above training course for contractor's personnel is to be arranged by OIL, the contractor will be charged accordingly).
- f) Area Manager will operate in well site only. He shall operate from places other than well site on specific permission of OIL.
- g) Adequate number of experience personnel to run the camp / kitchen / Mess smoothly should be kept. One camp boss on 24 Hrs basis will be responsible for smooth running of the camp/mess. Kitchen and cooking shall be supervised by a qualified chef.
- h) Contractor should deploy other personnel at rig site, which shall include drivers, Rig fitters, carpenters warehouse personnel, security men, (both at well site and camp site), power casing tong operator, mobile effluent treatment plant operator and laboratory assistant, services of unskilled labour as and when required for following multiple jobs.

- i) Chemical Helper
- ii) Engineering helper (Additional)
- iii) Electrical helper
- iv) Persons on rack during casing job.

The entire skilled / semi skilled workman involved in carrying out electrical jobs should have valid electrical wireman permit issued by state licensing board.

- i) Bidder shall furnish bio-data of key personnel along with the bid with all supporting documents, certificates etc.
- j) Employment of personnel other than key persons shall be at the discretion of the contractor in line with normal drilling practices. Bidders shall forward a complete list of all the persons with their job descriptions that they shall deploy to run all operations at well site and camp successfully.
- k) On/off duty details of rig and associated service personnel should be indicated.
- l) The Contractor shall indicate their manpower category-wise clearly in their offer. The qualification/bio-data / experience / track record of the personnel proposed to be deployed shall have to be indicated clearly. Any additional manpower deployed by the contractor shall be at the expense of the Contractor. The age of key personnel except Rig Manager/Rig Superintendent should not be more than 50(fifty) years. However, OIL deserves the right to accept the personnel of above 50 years with good health conditions.
- m) The contractor shall be responsible for arranging relief of personnel during vacation, statutory off days, sickness etc. entirely at their cost. However, the relief personnel also must have the experience as indicated above. Moreover, the contractor will have to obtain prior approval from Company for the relief personnel of the contractor.
- n) Company reserves the right to instruct for removal of any Contractor's personnel who in the opinion of company is technically not competent or not rendering the services faithfully, or due to other reasons. The replacement of such personnel will also be fully at cost of the Contractor and the Contractor shall have to replace within Ten (10) days of such instruction.

- o) All charges for personnel are included in Day rates. No separate charges shall be payable for the personnel deployed.
- p) Contractor should employ adequate number of authorized supervisors as per rule 110 of Indian Electricity rules, 1956 having relevant experience of minimum 5 years and possess appropriate license(s).

J. **SECURITY SERVICES:**

Contractor shall be wholly responsible for complete Security of their personnel, their Rig Packages, Base camp and during ILM, operation, transit etc. and arrange suitable and comprehensive security services accordingly on round the clock basis for their personnel and equipment/ material throughout the tenure of the contract. All security related issues shall be dealt by the Contractor on their own including dealings with the Government agencies. The Contractor shall provide pre-fabricated XPM/ Panel re-usable type fencing, gate at drill site, camp site etc. Company in no case will be involved in security related issues relating to Contractor's personnel and equipment/material. Contractor shall also be responsible for safety and security of Company's personnel, equipment/ material etc in the well-site and camp site.

**END OF SECTION-II**  
**&&&&**

## **SECTION - III**

### **SPECIAL CONDITIONS OF CONTRACT**

1.0 **DEFINITIONS:**

Following terms and expression shall have the meaning hereby assigned to them unless the context otherwise requires:

- 1.1 'Drilling Unit' means drilling rig complete with pumps, power packs, mobile effluent treatment plant and other accessories and equipment as listed in the Contract.
- 1.2 "Associated services" means equipment and services, asked for, along with Drilling unit in this bid document. These include but not limited to mud engineering, deviation drilling tools, equipment & services; camp/catering/medical services, communication, safety & fire fighting services well control services etc.
- 1.3 "Operating Area" means those areas in onshore India in which company or its affiliated company may from time to time be entitled to conduct drilling operations.
- 1.4 "Operation Base" means the place or places, onshore, designated as such by company from time to time.
- 1.5 "Site" means the land and other places, on/under/in or through which the works are to be executed by the Contractor and any other land and places provided by the company for working space or any other purpose as designated hereinafter as forming part of the Site.
- 1.6 "Company's items" means the equipment, materials and services, which are to be provided by company at the expense of company and listed in the Contract.
- 1.7 "Contractor's items" means the equipment; materials and services, which are to be provided by Contractor or company at the expense of the Contractor which, are listed in section under terms of reference and technical specifications.
- 1.8 "Commencement Sate" means the date on which the first well under this contract is spudded in.
- 1.9 "Contractor's personnel" means the personnel as mentioned under section terms of reference and technical specification, to be provided by Contractor from time to time to conduct operations hereunder.

- 1.10 "Contractor's representatives" mean such persons duly appointed by the contractor thereof at site to act on Contractor's behalf and notified in writing to the company.
- 1.11 "Day" means a calendar day of twenty-four (24) consecutive hours beginning at 06:00 hrs. and ending at 06:00 hrs.
- 1.12 "Approval" as it relates to Company, means written approval.
- 1.13 "Facility" means and includes all property of Company owned or hired, to be made available for services under this Contract and as described in this agreement which is or will be a part of the Company.
- 1.14 "Certificate of Completion" means certificate issued by the Company to the Contractor stating that he has successfully completed the jobs/works assigned to him and submitted all necessary reports as required by the Company.
- 1.15 "Base camp" means the camp where the Contractor's personnel shall reside for carrying out the operations along with specified Company's personnel as per the contract.
- 1.16 "Inter-location movement" means transferring of complete rig materials from present location after rig release till spudding in of the next well.
- 1.17 "Spudding in of the well" means the initiation of drilling of the well and the very first hit on well centre of the new location after alignment and after the rig preparation is complete in all respects subsequent to clearance from safety, audit and the Company representative.
- 1.18 "Drilling Operation": Means all operations as generally understood for drilling Oil/Gas wells, more particularly all the operations required to be carried out pursuant to this contract.

## 2.0 **MOBILIZATION**

- 2.1 The mobilization of the Drilling Unit and associated services shall commence on the date of receipt of the letter of Intent awarding the Contract and continue until the complete drilling unit is properly positioned at the first drilling location, rig-up operations completed and the well is actually spudded in.
- 2.2 The contractor will advise readiness for commencement of mobilization / shipment to company after the commencement date, at least 3 days before actual mobilization / shipment commences.
- 2.3 Mobilization charges will be payable after the commencement date as certified by the company.

2.4 Company at its discretion may allow drilling without complete mobilization, however necessary deduction for short supplied items will be made as per cost evaluated by OIL.

- (i) For any items supplied by the company rental will be calculated after amortizing the cost of the item over a period of 5 years applying 15% PTRR (Post tax rate of return). Similar deductions will also be made for short supplied items (neither supplied by company nor by the contractor).
- (ii) Deduction will be calculated based on Company's determined cost, which shall be treated as final, basis of which shall provide to the contractor.
- (iii) Notwithstanding this provision for partial mobilization, bidder must quote in accordance with relevant clauses for full mobilization.

2.4.1 Company may provide items/equipment to Contractor in exceptional cases only and not as a routine matter. In the event Company decides to provide any items/equipment to Contractor on rental basis for commencement of operation or during operation, the following shall be applicable :

- i) Contractor shall deposit the assessed value of the items/equipment either in cash or in the form of a Bank Guarantee to Company in advance before taking delivery of the items/equipment from Company. However, in case of an emergent situation, OIL may consider to accept the assessed value in Bank Guarantee or in cash within 7(seven) days of issue of the items/equipment.
- ii) Items/equipments will be rented out to Contractor for a maximum period of 3(three) months and the same returned by Contractor to Company within a specific date to be specified by Contractor.
- iii) Rental charges for first three months would be evaluated as per Para 2.4 above and taking cognizance of the present market trend.
- iv) In the event the rented items/equipment are not returned by Contractors within the specified period of three months, the rental charges would increase by 1.5 times. For next three months, rental charges would be 1.5 times the rental charges of the first three months. Rental charges in any quarter would be 1.5 times the rental charges of the previous quarter.

- v) Deduction for short-supplied items/equipment shall also be made as per Para (iii) and (iv) above.
- 2.4.2 In case any items/equipment are issued to Contractor on “outright sale” basis, the deduction shall be made as calculated by Company based on Company’s determined cost, which shall be treated as final, basis of which shall provided to the Contractor.
- 3.0 **CONTRACTOR'S PERSONNEL**
- 3.1 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.
- 3.2 The Contractor shall nominate one of its personnel as Contractor's representative who shall be in charge of Contractor's personnel and who shall have full authority to resolve all day to day matters, which arise at the site.
- 3.3 The Contractor shall have a base office at Base camp and at Duliajan to be manned by competent personnel, who shall act for the Contractor in all matters relating to Contractor's obligations under the contract.
- 3.4 **Contractor's Personnel:** Contractor shall provide all manpower for necessary supervision and execution of all work under this contract to Company's satisfaction except where otherwise stated. The minimum number of key personnel to be deployed is mentioned in this document.
- 3.5 **Replacement of Contractor's Personnel:** Contractor will immediately remove and replace any Contractor's personnel, who in the opinion of Company, is incompetent, or negligent or of unacceptable behavior or whose employment is otherwise considered by Company to be undesirable.
- 3.6 Contractor shall deploy on regular basis, all category of their employee required for economic and efficient drilling and other related operations.

4.0 **FOOD, ACCOMMODATION, TRANSPORTATION AND MEDICAL FACILITY AT WILL SITE**

4.1 Contractor shall provide standard food & services for all its own & its sub-contractor's personnel and for twelve (12) of Company designated personnel free of charge.

4.2 Transportation of Contractor's personnel will be arranged by Contractor whilst that of Company's staying at base camp will be arranged by Company.

4.3 **Medical Facilities:** The Contractor shall arrange for medical facilities and qualified First Aid Trained personnel including an ambulance at Contractor's cost. However, OIL may provide services of OIL Hospital as far as possible in emergency on payment.

5.0 **CONTRACTOR'S ITEMS**

5.1 Contractor shall provide contractor's items and personnel to perform the services under the contract as specified in this document.

5.2 Contractor shall be responsible for maintaining at his cost adequate stock levels of contractor's items including spares and replenishing them as necessary.

5.3 Contractor shall be responsible for the maintenance and repair of all contractors' items and will provide all spare parts, materials, consumables etc. during the entire period of the contractual period.

5.4 Contractor will provide full water requirement at rig site and campsite. The camp should have proper water filtration plant for drinking water.

5.5 Contractor will provide all lubricants for operation of contractor's equipment both at drill-site and campsite at contractor's cost. There shall be no escalation in the day rates throughout the duration of the contract including extension, if any, on account of any price increase in fuel / lubricants.

5.6 Contractor will provide electricity at both drill-site and campsite for meeting both contractors' as well as Company's requirement.

5.7 Zero day rate will be applicable for shutdown of rig operations on account of inadequate supply of contractor's items, including but not limited to, electricity, lubricants, water, personnel.

6.0 **CONDUCTING DRILLING OPERATIONS**

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

- 6.2 Wells shall be drilled to a depth as specified in the drilling programme but subject to the condition that Company may elect to drill a well to a depth either lesser or deeper than originally planned. However, it shall be within the drilling depth range and maximum casing section depth of the rig.
- 6.3 The drilling Unit and all other equipment and materials to be provided by Contractor shall be in first class working condition.
- 6.4 The drilling programme provided by Company shall primarily include planning of the following:
- a) Well structure & deviation plan.
  - b) Casing programme.
  - c) Well head assembly including production well head.
  - d) Expected formation details.
  - e) Mud rheology and physico-chemical parameters.
  - f) Coring programme (if any).
  - g) Cementing programme.
  - h) Drill stem testing programme (if any).
  - i) Wireline logging programme.
  - j) Mud hydraulics programme.
- 6.5 Well testing programme provided by the Company primarily may include the following:
- a) Well testing programme.
  - b) Well head assembly, blow out prevention system.
  - c) Details of workover string.
  - d) Mud hydraulic programme.
  - e) Cement repair programme (if any).
  - f) Wire line logging programme.
  - g) Drill out plug and packers (if any).
  - h) Casing repair job.
  - i) Gas and water injection programme.
  - j) Wire line operation including perforation.
- 6.6 Completion of drilling shall occur when the well has been drilled to the required depth with casings lowered, cemented, logged satisfactorily, hermetically tested, and drill pipes broken off and initial production testing carried out unless otherwise advised by Company.
- 6.7 Upon completion of a drilling well, statement stating that the well has been completed in accordance with the terms of this Contract and signed by the representatives of both Contractor and Company, will be made available to Company.

- 6.8 **Operation of Drilling Unit:** Contractor shall be solely responsible for the operation of the Drilling Unit including but not limited to supervising rig move operations and positioning and rigging up at drilling location as required by Company as well as such operations at drilling locations as may be necessary or desirable for the safety of the Drilling Unit.
- 6.9 **Safety:** Contractor shall observe such safety regulations in accordance with acceptable oilfield practice and applicable Indian Laws such as Mines safety rules etc. Contractor shall take all measures reasonably necessary to provide safe working conditions and shall exercise due care & caution in preventing fire, explosion and blow out, and maintain fire-fighting and well control equipment in sound condition at all times. Contractor shall conduct such safety drills, BOP tests etc. as may be required by Company at prescribed intervals.
- 6.10 **Cores:** Contractor shall take either rat-hole or full-hole, conventional or diamond cores between such depths as specified by Company and in the manner requested by Company and shall deliver at the location all recovered cores to Company.
- 6.11 **Cuttings:** Contractor shall save and collect cuttings samples according to Company's instructions and place them duly labeled in containers furnished by Company.
- 6.12 **Hole Inclination:** Contractor shall do his best in accordance with good oil field drilling practices to maintain the deviation of the hole within the limit specified by the Company in the drilling programme. Should the well deviation from vertical exceed the above-specified limit, contractor will take necessary steps to bring the hole within permissible limit as requested by the Company. The Contractor will deliver all such deviation survey records to the Company. No separate charge shall be payable for this service and it will be covered under per day rate.
- 6.13 **Planned Deviation Drilling:** Contractor shall do his best in accordance with good oilfield drilling practices to maintain planned deviation of the hole within the limit specified by the Company in the drilling programme. The contractor shall deliver all deviation survey records to the Company.
- 6.14 Contractor shall assist in performing any tests to determine the productivity of any Formation encountered as may be directed by Company. Such tests and services may include, but not limited to electric logging, drill stem tests, perforation of casing, acidizing, swabbing, fracturing and acid fracturing. Specialized Tools/ Company will provide personnel for these operations.

- 6.15 **Depth Measurement:** Contractor shall at all times be responsible for keeping accurate record of the depth of the hole and record such depth on the daily drilling report and tally books. OIL shall have the right at any time to check measurements of the depth of the hole in any manner.
- 6.16 **Plug back and Sidetrack:** Upon being requested to do so by the company, Contractor shall cease drilling and carryout operations for plug-back and sidetrack of the hole.
- 6.17 **Casing and Cementing:** Lowering and cementing of all casings is contractor's responsibility. Contractor shall use best effort and methods to run and set casings of the sizes, weights/ grades and at depths as instructed by the Company. Contractor shall allow-cement to set for a length of time as specified by the Company. During such time, contractor shall assemble blowout prevention equipment and test the same in a manner satisfactory to Company and otherwise make preparation for subsequent work. After cement has set, casing job shall be tested in a manner satisfactory to Company, and contractor shall continue such testing until results satisfactory to Company are secured. Any re-cementing or repairs to casing will be done at Company's discretion. Cementation of all stages of casings shall be carried out by using contractors slush pumps, unless otherwise instructed in writing.
- 6.18 The Contractor will maintain the well fluids in a manner satisfactory to the Company. The parameter of the drilling fluid shall be maintained by the contractor in accordance with specifications and / or formulations set forth by the Company.
- 6.19 In the event of any fire or blowout, contractor shall use all reasonable means at his disposal to protect the hole and bring the said fire or blowout under Control.
- 6.20 **Adverse Weather:** Contractor, in consultation with Company, shall decide when, in the face of impending adverse weather conditions, to institute precautionary measures in order to safeguard the well, the well equipment, the Drilling Unit and personnel to the fullest possible extent. Contractor and Company shall each ensure that their representatives for the time being at well site will not act unreasonably in the exercise of this clause.
- 6.21 **AMENDMENTS OF DRILLING AND COMPLETION PROGRAMME:** It is agreed that contractor shall carry out drilling, coring, testing, completions, abandonment, if any, and all other operations, in accordance with the well drilling and completion programme to be furnished by OIL, which may be amended from time to time by

reasonable modification as OIL deems fit, in accordance with good oil field practices.

6.22 **APPLICABLE RATE FOR EXTENSION OF DRILLING BEYOND PROJECTION MADE IN TENDER (APPLICABLE FOR ALL SIZE & STAGES OF DRILLING)**: It may be required to drill beyond the depth projected in this tender and also in those specified in well policy at no extra cost to OIL.

6.23 **WELL POLICY**: The drilling policy given in this document is tentative only. The depth, nature, area or all other factor may vary depending on the actual requirement at and during the time of commencement of the contract. The contractor shall be bound to obey those changes made by OIL from time to time.

## 7.0 **CONTRACTOR'S SPECIAL OBLIGATIONS**

7.1 It is expressly understood that contractor is an independent contractor and that neither it nor its employees and its subcontractors are employees or agents of Company provided, however, Company is authorized to designate its representative, who shall at all times have access to the Drilling Unit, related equipment and materials and all records, for the purposes of observing, inspecting and designating the work to be performed hereunder by contractor. The contractor may treat Company's representative at well site as being in charge of all Company's and Company designated personnel at well site. The Company's representative may, amongst other duties, observe, test, check and control implementation of drilling, casing, mud and testing programmes, equipment and stock, examine cuttings and cores, inspect works performed by Contractor or examine records kept at well site by Contractor.

7.2 **Compliance with Company's Instructions**: Contractor shall comply with all instructions of Company consistent with the provision of this Contract, including but not limited to drilling, well control, safety instructions, confidential nature of information, etc. Such instructions shall, if contractor request, be confirmed in writing by Company's representative.

7.3 **WELL RECORDS**: Contractor shall keep an authentic log and history of each well on the daily drilling report prescribed by the Company and upon completion or abandonment of the well, deliver to Company, the original history and log, book, properly signed and all other data and records of every nature, relating to the drilling, casing and completion of the well. Such reports shall include the depth drilled formations encountered and penetrated, depth cored and footage of cores recovered, during the proceeding twenty four (24) hours, details of BHA in hole, details of drilling parameters maintained and any other pertinent information relating to the well

Contractor shall also provide the Company -

- i) Daily drilling report on IADC pro-forma duly certified by Company's representative along with daily record-o-graph or drill-o-meter chart.
- ii) Daily mud report on IADC pro-form including mud stock, daily consumption and stock position of chemicals and daily mud hydraulics.
- iii) Daily report on P.O.L. consumption.
- iv) Daily report on effluent management with chemical analysis report of the output samples.
- v) Deviation charts/records on daily basis. Whenever applicable.
- vi) Casing tally/Tubular tally details: After each job.
- vii) Bit performance record: After completion of each well.
- viii) Well completion/well abandonment: After completion of a well successfully, contractor will provide drilling and completion report of the well with all information and events including above-mentioned information. In case of abandonment of a well, abandonment report, in addition to above, will be provided by the contractor in Company's prescribed format or as per requirement.
- ix) Daily roster of contractor's personnel.
- x) Contractor shall maintain inventory of rig equipment & accessories at site, indicating their respective models, serial numbers, vintage, specifications etc. The Contractor shall maintain inventory list endorsed by the Company representative and any addition & deletion of items will be intimated to Company representative.
- xi) All items including consumables imported under 'Nil' custom duty shall be recorded in proper format indicating date of receipt, type, consumption, date of replacement etc.
- xii) Contractor shall provide the list of items, equipment, consumables etc. to be re-exported by them after completion of services under this contract along with all relevant documents.

7.4 Confidentiality of Information: All information obtained by contractor in the conduct of operations hereunder, including but not limited to, depth, formations penetrated, coring, testing, surveying etc. shall be considered confidential and shall not be divulged by Contractor or its employees to anyone other than Company's representative. This obligation of contractor shall be in force even after the termination of the Contract.

7.5 Contractor shall carryout normal maintenance of Company's items at well site excepting for those items which contractor is not qualified to, or cannot maintain or repair, with its normal complement of personnel and equipment.

- 7.6 Contractor should provide the list of items to be imported in the format specified in Proforma-I for issuance of recommendatory letter to Directorate General of Hydrocarbons (DGH), New Delhi for clearance of goods from Indian customs at concessional (nil) rate of customs duty.
- 7.7 Contractor shall arrange for inland transportation of all equipment, etc. from the port to the place of work and back at the end of the work at their own expense. Arrangement of Road Permits and payment of Assam Entry Tax for bringing Contractor's equipment / material to Work place shall be Contractor's responsibility.
- 7.8 In case the Contractor imports the equipment etc. on re-export basis, the Contractor shall ensure for re-export of the equipment and all consumables and spares (except those consumed during the contract period) and complete all documentation required. Company will issue necessary certificates etc. as required. The Contractor should arrange for re-export of equipment within 60 days of notice of de-mobilization issued by the Company. If the re-export is not completed within the specified period, customs duty, penalty etc. levied by customs authorities for such delay shall be to Contractor's account and same will be deducted by the Company from Contractor's bills and security deposit.
- 8.0 **COMPANY'S SPECIAL OBLIGATIONS**
- 8.1 Company shall at its cost, provide items and services as shown in this document.
- 8.2 Company shall be responsible at its cost, for maintaining adequate stock levels of its items and replenishing the same as deemed necessary, unless specified to the contrary elsewhere in the contract.
- 8.3 **Ingress and Egress at location:** Company shall provide contractor requisite certificates for obtaining rights of ingress to egress from the locations, where wells are to be drilled, including any certificate required for permits or licenses for the movement of contractor's personnel. Should such permits/ licenses be delayed because of objections of appropriate authorities in respect of specific Contractor's personnel, such personnel should be promptly removed from the list by the Contractor and replaced by acceptable personnel. For any stoppage of operations for such delays, no day rate will be applicable.
- 9.0 **PAYMENTS, MANNER OF PAYMENT, RATES OF PAYMENT, FORCE MAJEURE ETC.**
- 9.1 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 Cs will be made in accordance with the terms hereinafter described.

- 9.2 Manner of Payment: All payments due by Company to Contractor hereunder shall be made at Contractor's designated bank. Bank charges, if any will be on account of the Contractor.
- 9.3 Payment of any invoices shall not prejudice the right of Company to question the validity of any charges therein, provided Company within one year after the date of payment shall make and deliver to Contractor written notice of objection to any item or items the validity of which in question.
- 9.4 Invoices: Mobilization charges will be invoiced only upon completion of mobilization (after commencing of operation at the first well), submission/production of appropriate inventory documents, and physical verification by Company representative.
- 9.5 Contractor shall send invoice to Company on the day following the end of each month for all daily or monthly charges due to the contractor.
- 9.6 Billings for daily charges will reflect details of time spent (calculated to the nearest quarter hours) and the rates charged for that time. This should be in the form of monthly time analysis chart(s). Monthly invoices will be raised only after spud-in of the first well.
- 9.7 Invoice for reimbursable charges related to the contract will be accompanied by documents supporting the cost incurred.
- 9.8 Contractor will submit six 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.
- 9.9 Payment of monthly invoices, if undisputed, shall be made within 30 days following the date of receipt of invoice by Company excepting for the first two (2) monthly invoices where some delay (up to one month) may occur.
- 9.10 Company shall within 20 days of receipt of the invoice notify the contractor of any item under dispute, specifying the reasons thereof, in which event, and payment of the disputed amount may be withheld until settlement of the dispute, but payment shall be made of any undisputed portion on or before the due date. This will not prejudice the Company's right to question the validity of the payment at a later date as envisaged in Clause 9.3 above.

- 9.11 The acceptance by Contractor of part payment on any billing not paid on or before the due date shall not be deemed a waiver of Contractor's rights in any other billing, the payment of which may then or thereafter be due.
- 9.12 Payments of other invoices as set forth in Clause 9.7 shall be made within 60 days following the date of receipt of the invoices by Company.
- 9.13 Payment of mobilization charges shall be made within 45 days following the date of receipt of undisputed invoices by Company. Mobilization should be complete in all respect before raising invoice.
- 9.14 Payment of demobilization charges shall be made when applicable within 45 days following receipt of invoice by Company accompanied by the following documents from the contractor:
- a) Audited account up to completion of the Contract.
  - b) Tax audit report for the above period as required under the Indian Tax Laws.
  - c) Documentary evidence regarding the submission of returns and payment to taxes for the expatriate personnel engaged by the Contractor or by its sub-contractor.
  - d) Proof of re-export of all items (excepting consumables consumed during the contract period) and also cancellation of re-export bond if any.
  - e) Any other documents as required by applicable Indian Laws.

In case, no demobilization charges are payable the documents mentioned above will have to be submitted by the Contractor before release of the final payment by the Company.

- 9.15 Contractor shall maintain complete and correct records of all information on which contractor's invoice are based up to **4 (four) 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.
- 9.16 **SET-OFF** : Any sum of money due and payable to the Contractor(including Performance Security refundable to them) under this or any other Contract may be appropriated by OIL and set-off against any claim of OIL(or such other person or persons contracting through OIL) for payment of a sum of money arising out of this contract or under any other contract made by the Contractor with OIL(or such other person or persons contracting through OIL).
- 9.17 **Subsequently Enacted Laws**: Subsequent to the date of issue of Letter of Award, if there is a change in or enactment of any law or

interpretation of existing law, which results in additional cost/reduction in cost to Contractor on account of the operation under the Contract the Company/Contractor shall reimburse/pay Contractor/Company for such additional/reduced costs actually incurred.

**10.0 LOSS OR DAMAGE TO HOLE:**

- a) OIL shall be liable for the cost of regaining control of any wild well, blowout, as well as the cost of removal of debris, and indemnify contractor.
- b) In the event, any hole is lost or damaged by reason of willful acts or Contractor's gross negligence or other legal fault, Contractor's liability shall be limited either to drilling a new hole in the same location or vicinity to the depth at which the old hole was abandoned or at the selection of Company to redrill the section of the hole to the reasonable satisfaction of Company at Contractor's cost.

**10.1 Damage or loss of the Drilling Unit:**

- a) The Contractor shall at all times be solely responsible for any damage to or loss or destruction of the Drilling Unit and its other property irrespective of how such loss, damage or destruction is caused, and even if caused by the negligence of the Company and/or his servants, agents, nominees, assignees, Contractors and sub-contractor, and Contractor shall hold harmless and indemnify the Company from and against any expenses, loss or claim related to or resulting from such loss, damages or destruction.
- b) If the Drilling Unit is declared to be a total loss and/or construed to be total loss, as determined by the applicable insurance coverage, this contract shall terminate in respect of the drilling unit(s) as of the occurrence of the event causing such loss and each party shall thereupon be released of all further obligations hereunder in respect of that drilling unit(s), except for its payment of monies then due or liabilities to be charged in respect of work already done under this contract in respect of that drilling unit(s).

**10.2 LOSS OR DAMAGE OF CONTRACTOR'S DRILLING UNIT OR SUBSURFACE EQUIPMENT:**

- a) Except as otherwise specifically provided in the contract, any damage to or loss, of the Drilling Unit and/or subsurface tools/equipment regardless of the cause or reason for said loss, shall be the loss of the Contractor, its underwriters or insurers. Contractor indemnifies OIL, its Co-licensees and its and their affiliates Companies, Agents, employees, invitees, servants, their underwriters or insurers (other than Contractor's) and their employees, agent any claim whatsoever or responsibility for any damage to or loss of the Drilling Unit or any other equipment or property of Contractor or Contractor's sub-

contractors furnished or intended for use in the operations herein undertaken.

- b) If the Drilling Unit or any part thereof or subsurface tools / equipment is lost or damaged beyond repair or becomes an actual or constructive compromised, arranged loss or is otherwise abandoned, the Contractor shall, if required by OIL or by the laws, regulation or order of Governmental Authorities or Agency remove the Drilling Unit from operating areas to the satisfaction of the OIL. If the Contractor unreasonably delays in removing the Drilling Unit or any part thereof, the OIL may remove it and the Contractor shall indemnify and reimburse OIL for all cost and expenses incurred by OIL in connection therewith. Any expense incurred by OIL in connection with or for locating the area/price of such loss / damage and / or ascertain whether such loss / damage has resulted in any pollution or not, shall also be reimbursed by the Contractor to OIL.

10.3 **OIL'S EQUIPMENT**: Contractor shall assume the risk of and shall be solely responsible for, damage to and loss or destruction of materials and equipment or supplies furnished by OIL. In case there is a loss or damage to OIL's equipment for causes attributable to Contractor, the Contractor shall compensate OIL.

10.4 **BLOWOUT OR CRATER**: In the event any well being drilled hereunder shall blowout or crater due to negligence or Contractor, Contractor will bear the entire cost and expenses of killing the well or otherwise bringing the well under control and shall indemnify and hold Company harmless in this regard. This provision is not to be interpreted as Company assuming any liability for loss of property, damages, loss of life or injuries caused by such a blowout, except as otherwise provided under the terms and conditions of the contract.

10.5 **Use of Contractor's Equipment**: Company shall have the right to use the drilling unit and the entire Contractor's equipment provided under the contract during such times as Company or both Company and the Contractor are engaged in bringing the well under control.

10.6 **Pollution and contamination**: Notwithstanding anything to the contrary contained herein, it is agreed that the responsibility and liability for pollution or contamination shall be as follows:

- a) Contractor shall assume all responsibility and liability for cleaning up and removal of pollution or contamination which originates above the surface from spills of fuels, lubricants, motor oils, pipe dope, paints, solvents and garbage wholly in Contractor's possession and control and / or directly associated with Contractor's equipment and facilities, caused, and that

originating from normal water base drilling fluid and drill cuttings.

- b) Contractor shall assume all responsibility and liability for all other pollution or contamination, howsoever caused including control and removal of same, which may occur during the term of or arising out of this contract and shall indemnify Company from and against all claims, demands and causes of action of every kind and character arising from said pollution or contamination.
- c) In the event a third party commits an act of omission which results in pollution or contamination for which either the Contractor or Company, by whom such party is performing work is held to be legally liable, the responsibility shall be considered as between Contractor and Company, regardless of the party for whom the job was performed and liability as set forth in (a) and (b) above would be specifically applied.
- d) Contractor shall assume all responsibility and liability for erection/ installation and efficient operation of the mobile Effluent Treatment Plant, dismantling prior to ILM for next location and maintaining the sample analysis report for both solid and liquid output conforming to SPCB Standard (desired output of treated effluent, expected effluent characteristics from various sources & test frequency are given below).

**PERMISSIBLE LIMIT OF CONSTITUENTS  
IN OUTPUT OF ETP AS PER SPCB**

<b>Sl No.</b>	<b>Parameters</b>	<b>Permissible Limit (not to exceed) SPCB</b>
1	pH	5.5 -9.0
2	Temperature	40° C
3	Suspended Solids	100 mg/L
4	Oil & Grease	10 mg/L
5	Phenolics	1.0 mg/L
6	Cyanides	0.2 mg/L
7	Fluorides	1.5 mg/L
8	Sulphides	2.0 mg/L
9	Chromium (Hexa)	0.1 mg/L
10	Chromium (Total)	1.0 mg/L
11	Copper	0.2 mg/L
12	Lead	0.1 mg/L
13	Mercury	0.01 mg/L
14	Nickel	3.0 mg/L
15	Zinc	2.0 mg/L

16	BOD at 27° C for 3 days	30 mg/L
17	COD	100 mg/L
18	Chlorides	600 mg/L
19	Sulphates	1000 mg/L
20	Total Dissolved Solids	2100 mg/L
21	Percent Sodium	60 mg/L

**Name of the sample : Composite sample of drilling mud effluents from Hydrocyclones**

Sl. No.	Parameters	Units	Result
1.	Appearance	-	Greyish pourable mud
2.	Total suspended solid	Mg/I	65300
3.	Total Solid	Mg/I	66800
4.	Total Dissolved Solid	Mg/I	1500
5.	M. Value as CaCO <sub>3</sub>	Mg/I	120
6.	Chloride as Cl	Mg/	85
7.	Sulphate as SO <sub>4</sub>	Mg/I	1400
8.	Total Iron as Fe	Mg/I	60
9.	Total Chromium as Cr	Mg/I	5.6
10.	Hexavalent chromium as Cr	Mg/I	< 0.1
11.	Vanadium as V	Mg/I	< 0.2
12.	Total Heavy Metals as Pb	Mg/I	< 0.2
13.	Specific Gravity of Mud		1.03

**Physico Chemical Characteristic of drilling mud (Waste Water)**

Sl. No.	Parameters	Units	Result
1.	Appearance	-	Greyish pourable mud
2.	Total suspended solids	Mg/I	12990
3.	Total Solids	Mg/I	14490
4.	Total Dissolved Solids	Mg/I	1500
5.	M. Value as CaCO <sub>3</sub>	Mg/I	600
6.	Chloride as Cl	Mg/I	210
7.	Sulphate as SO <sub>4</sub>	Mg/I	25
8.	Total Iron as Fe	Mg/I	-
9.	Total Chromium as Cr	Mg/I	< 0.02
10.	Hexavalent chromium as Cr	Mg/I	< 0.02
11.	Vanadium as V	Mg/I	< 0.1
12.	Total Heavy Metals as Pb	Mg/I	< 0.2
13.	Specific Gravity of Mud		1.0074

14.	Total Oil	% (m/v)	1.0
15.	Free Oil	% (m/v)	0.8
17.	Emulsified Oil	% (m/v)	0.2

**Name of the sample : Sample Collected from vibrating screen**

Sl. No.	Parameters	Units	Result
1.	Appearance	-	i. Hard Cake having solid consistency 36%. ii. Lower layer Black uplayer-Gray on dissolution with water in ratio 1.1
2.	Soil to Emulsified mud ratio	-	82:12
3.	Nature of Settling	-	Black mud separates out from emulsified mud in 2 to 4 Hrs.
4.	pH of the upper un-settleable layer	-	7.3
5.	M. Value as CaCO <sub>3</sub>	mg/l	148
6.	Chloride as Cl	mg/l	95
7.	Sulphate as SO <sub>4</sub>	mg/l	1650
8.	Iron as Fe	mg/l	68
9.	Total Chromium as Cr	mg/l	6.0
10.	Hexavalent Chromium as cr	mg/l	< 0.2
11.	Vanadium as V	mg/l	< 1.0
12.	Other Heavy Metals as Ph	mg/l	< 1.0

**Test Parameters and tentative Frequency of various tests**

Sl. No.	Parameters	Permissible Limit (not to exceed) SPCB	Daily Testing at Site	Fortnightly Testing offsite by the Contractor
1	pH	5.5 -9.0	Yes	
2	Temperature	40° C	Yes	
3	Suspended	100 mg/L	Yes	

	Solids			
4	Oil & Grease	10 mg/L	Yes	
5	Phenolics	1.0 mg/L	Yes	
6	Cyanides	0.2 mg/L		Yes
7	Fluorides	1.5 mg/L		Yes
8	Sulphides	2.0 mg/L		Yes
9	Chromium (Hexa)	0.1 mg/L	Yes	
10	Chromium (Total)	1.0 mg/L		Yes
11	Copper	0.2 mg/L		Yes
12	Lead	0.1 mg/L		Yes
13	Mercury	0.01 mg/L		Yes
14	Nickel	3.0 mg/L		Yes
15	Zinc	2.0 mg/L		Yes
16	BOD at 27° C for 3 days	30 mg/L		Yes
17	COD	100 mg/L	Yes	
18	Chlorides	600 mg/L	Yes	
19	Sulphates	1000 mg/L	Yes	
20	Total Dissolved Solids	2100 mg/L	Yes	
21	Percent Sodium	60 mg/L		Yes

- e) In the event effluent / waste pit provided by the Company, getting filled up in the normal course which can be prevented by Contractor, the same shall be emptied completely or partially by the Contractor using disposal pumps, to avoid overflow in the neighboring areas or alternatively the Company will provide additional pits at its cost. In case pits so constructed have seepage from the walls of the pit or bund of the pit, Company will take remedial action to prevent the same at its cost. Contractor shall be responsible for any sound/noise pollution arising out of the Rig package or other items used by Contractor at well site. Contractor shall sort out the noise/sound pollution with the third party either by minimizing the sound/noise pollution with technological means or by compensating the affected people practicing the system and procedure followed by OIL. Contractor must ensure that there is no disruption of operation due to sound/noise pollutions.

#### 11.0 **WAIVERS AND AMENDMENTS:**

It is fully understood and agreed that none of the terms and conditions of the contract shall be deemed waived or amended by either party unless such waiver or amendment is executed in writing

by the duly authorized agents or representatives of such party. The failure of either party to execute any right of termination shall not act as a waiver or amendment of any right of such party provided hereunder.

## **12.0 CUSTOMS DUTY**

- 12.1 Company shall use the Drilling units with the Services under the Contract in the PEL/ML areas renewed / issued to Company after 1.4.1999 and therefore, in terms of Notification No. 21 dated 01.03.2002, goods specified in List-12 imported in connection with petroleum operations under this Contract would attract zero customs duty. Company will issue Recommendatory Letter to Directorate General of Hydrocarbons (DGH), Ministry of Petroleum & Natural Gas, as per Government guidelines for issuance of Essentiality Certificate (EC) from Directorate General of Hydrocarbons, to enable the Contractor to import goods at concessional (Nil) customs duty so as to provide the services under this Contract provided these goods are specified in the List-12 of the aforesaid Notification.
- 12.2 Contractor should provide the list of items to be imported by them under the Contract in the format specified in Proforma-A along with their bid for issuance of Recommendatory Letter to DGH. Contractor shall made written request to Company immediately after shipment of the goods indicated by them in Proforma-A, along with the Invoices and all shipping documents (with clear 15 working days notice) requesting Company for issuance of the Recommendatory Letter. OIL shall issue the Recommendatory Letter provided all the documents submitted by the Contractor are found in order as per contract. It shall be however, Contractor's responsibility to obtain EC from DGH and clear the goods through customs. OIL shall not be liable in whatsoever manner for the rejection of their claims for zero customs duty by any of the authorities including DGH. Contractor shall indemnify OIL from all liabilities of Customs Duty.
- 12.3 All imports and import clearances under the contract shall be done by the contractor and OIL shall not provide any assistance in this regard.
- 12.4 However, in the event customs duty becomes leviable during the course of contract arising out of a change in the policy of the Government, Company shall be liable for payment of the customs duties leviable in India on Contractor's items as provided in Proforma-A or the actuals whichever is less, provided Contractor furnishes all necessary documents indicating the estimated customs duty at least 10 days in advance. Such payment of Customs Duty shall be arranged by Company and made available to the representatives of Contractor at Kolkata within 3 working days after Contractor submits the undisputed and clear necessary documents/duty assessment papers at Company's office at Kolkata. Contractor would be responsible for passing such

payment to customs authorities at the port of entry. Company's obligation for Customs Duty payment shall be limited/restricted to the tariff rates as assessed by the Customs on the day of clearance, or as on the last day of the stipulated mobilisation period. In case of clearance thereafter, on the CIF value of items in Proforma-A will be frozen and any increase in Customs Duty on account of increase in value on these will be to the Contractor's account. Furthermore, in case the above CIF value is not acceptable to assessing Customs Officer and as a result if any excess Customs Duty becomes payable, it shall be to Contractor's account. Before filing Bill of lading, Bill of entry, the Contractor must consult the Company to avoid payment of excess Customs Duty.

- 12.4.1 Contractor shall, however, arrange clearance of such items from Customs and port authorities in India and shall pay all requisite demurrages, if any, clearance fees/charges, port fees, clearing and forwarding agent fees/charges, inland transport charges etc. Company shall provide all assistance by issuance of necessary letter of authority or other relevant documents and necessary help.
- 12.5 Contractor must ensure that the spares and consumables imported by them for providing the services under Contract are properly used in executing their job under the Contract in the PEL/ML areas of Company for which EC has been obtained. Contractor shall furnish to Company a certificate as and when the spares and consumables are used/consumed certifying that the spares and the consumables imported by them have been consumed in those ML and PEL areas under the contract for which ECs were obtained by them. In order to avoid any misuse of the spares and consumables imported by the Contractor for providing the services under the Contract, Contractor shall furnish an Undertaking similar to that being furnished by Company to Customs of suitable amount before issue of the Recommendatory Letter.
- 12.6 **DEMOBILISATION & RE-EXPORT** : The Contractor shall arrange for and execute demobilization of the entire Rig package, Tools/Equipment /Spare/Accessories/Manpower etc. upon receipt of notice for demobilization from Company. Demobilisation shall mean completion / termination of the contract and shall include dismantling of the complete Rig package, its accessories/equipment, including the manpower and re-export of the complete Rig package(if re-exportable), its accessories/equipment, unutilized spares and consumables at the cost of the contractor. Demobilization shall be completed by Contractor within 60 days of issue of demobilization notice by Company. Immediately after re-exporting the Rig package, its accessories, equipment and the unused spares and consumables, Contractor shall submit the detail re-export documents to Company as documentary proof of re-exporting the complete Rig package, its accessories,

equipment and the unused spares and consumables. In case of failure to re-export any of the items as above within the allotted time period of 60 days except under circumstances relating to Force Majeure, Company reserves the right to withhold the estimated amount equivalent to the Customs Duty and/or penalty leviable by Customs on such default in re-export from Contractor's final settlement of bills and Performance Security.

12.6.1 In the event all/part of the equipment etc. are transferred by Contractor within the country to an area where nil Customs Duty is not applicable and/or sold to a third party after obtaining permission from Company and other appropriate government clearances in India including permission from DGH and Customs authorities, then Contractor shall be fully liable for payment of the Customs Duty.

12.6.2 Contractor must furnish an undertaking that "the equipment imported and also spares & accessories which remained unutilized after the expiry of the contract, would be re-exported at their own cost after completion of contractual obligation after observing all the formalities/rules as per Customs Act or any other relevant Act of Govt. of India applicable on the subject". In case of non-observance of formalities of any provisions of the Customs Act or any other Act of Govt. of India, the Contractor shall be held responsible for all the liabilities including the payment of Customs Duty and penalties to the Govt. on each issue. Non-compliance of these provisions will be treated as breach of contract and their Performance Bank Guarantee will be forfeited.

12.6.3 In the event all/part of the equipment etc. are transferred by Contractor after expiry/termination of the contract within the country to another operator for providing services, and/or sold to a third party, Contractor shall obtain all necessary Govt. of India clearances including permission from DGH and Customs authorities for transferring to another operator and/or sale of the Rig package, its accessories, equipment and the unused spares and consumables to a third party. Company will not be responsible for any non-compliance of these formalities by Contractor. Payment of Customs Duty and penalties(if any) imposed by Govt. of India or Customs authorities for transferring the items in part or in full to an area where Nil Customs Duty is not applicable or sale of the items shall be borne by the Contractor and Contractor indemnifies Company from all such liabilities.

13.0 **CONFIDENTIALLY:**

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.

- 13.1 This obligation shall keep in force even after the termination date and until such information will be disclosed by Company.
- 13.2 Contractor shall handover to Company all Company's documents or drafts concerning operations carried out and which are still in its possession before transferring the Drilling Unit to another sphere.
- 13.3 Contractor shall forbid access to the Drilling Unit to any people not involved in the drilling operations or not authorized by the Company to have access to the drilling Unit, however, this provision is not applicable to any Government and/or police representative on duty.

14.0 **RIGHTS AND PRIVILEGES OF COMPANY:**

Company shall be entitled:-

- 14.1 To check the Drilling Unit and Contractor's items before the commencement Date. If they are not found in good order or do not meet specifications as per Section IV or in case of non-availability of some of the Contractor's items listed therein, the contractor may not be allowed for commencement until the contractor has remedied such default.
- 14.2 To change the drilling programme, mud programme, well depths to complete or abandon any well at any time.
- 14.3 To approve the choice of sub-contractors for any essential third party contract, concerning materials, equipment, personnel and services to be rendered by contractor. Sub-contract may be entered into by contractor only after Company's approval.
- 14.4 To check, at all times, contractor's stock level, to inspect contractor's equipment and request for renovation or replacement thereof, if found in unsatisfactory condition or not conforming to regulations or specifications.
- 14.5 To order suspension of operations while and whenever:
  - a) Contractor's personnel is deemed by Company to be not satisfactory, or
  - b) Contractor's equipment does not conform to regulations or to the specifications laid down in the Contract.
  - c) Contractor's equipment turns into a danger to personnel on or around the rig or to the well, or
  - d) Contractor's insurance in connection with the operations hereunder is found by Company not to conform to the requirements set forth in the contract.

- e) Contractor fails to meet any of the provisions in the contract.
- f) Any shortage in key/additional (compulsory) personnel and inadequacy of other personnel.

14.6 To reduce the rates reasonably, at which payments shall be made if the contractor is allowed to continue the operation despite having certain deficiency in meeting the requirements as per provision in the contract.

**15.0 EMERGENCY**

15.1 Without prejudice to clause 10.5 hereof Company shall be entitled in emergency (the existence of which shall be determined by Company) at its own discretion, to take over the operations of the rig, direct contractor's personnel in the event that Company's interest will demand so. In such case, Company will notify contractor of its action and within three (3) days confirm such notice in writing, setting forth the reasons for its action.

15.2 In such event, Company shall pay contractor in accordance with the terms of the contract as if contractor was carrying out the operations.

15.3 All operations so conducted shall remain at the risk of contractor to the extent contractor is covered by insurance. When the well has been completed or when the conduct of the operations has been returned to the contractor, the equipment shall again be put at contractor's disposal in the same condition as at the time the operations were taken over by Company, taking into account normal wear and tear and any inherent defects at the time of taking over by the Company.

**16.0 DURATION:**

The rates, terms and conditions shall continue until the completion or abandonment of the last well being drilled and completion of testing operation.

**17.0 HEADINGS:**

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

**18.0 DEFICIENCY:** In the event of the Contractor failure to strictly adhere in providing the minimum requirements of key personnel as set out in Section-II, Clause 7.6(I), the penalty shall be levied at the following rates.

<b>FAILURE</b>	<b>PENALTY</b>
a) Failure to provide Area Manager and tool pusher /Tour Pusher	a) At the rate of 5% of the operating day rate for the period of non-availability of the Area Manager /Tour/Tool Pusher separately in each case.

<p>b) Failure to provide Driller and Asstt. Driller</p>	<p>b) At the rate of 3% of the operating day rate for the period of non-availability of the Driller and Asstt. Driller separately in each case.</p>
<p>c) Failure to provide other key personnel excepting these mentioned in 'a' &amp; 'b'.</p>	<p>c) At the rate of 3% of the operating day rate for the period of non-availability of each key personnel excepting those mentioned in 'a' &amp; 'b' above.</p>

**NOTE:**

1. The above penalty rates are applicable for the first five days. In case more than one key personnel are not available at a time, penalties applicable for such personnel will be levied simultaneously.
2. Beyond 5 days, the penalty will be levied at double the rates mentioned above for each day for non-availability of any key personnel.
3. Contractor will be paid for zero rates if operation is suspended for non-availability of key personnel.

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

19.0 **INTER-LOCATION RIG MOVE STANDARD**

- 19.1 Rig movement for a distance of thirty (30) km will be twelve (12) days. For lesser or more kilometrage, the time allowed shall be in proportions of one (1) day for each 30 km or part thereof.
- 19.2 In case of shifting of the base camp of the contractor, to another area, addition of 5 days will be considered during inter-location movement period.
- 19.3 The time for inter-location movement suspended by force majeure, shall be extended by the period for which the Force majeure conditions last. No day rate will be payable for extended period due to force majeure conditions.
- 19.4 The ILM charge shall be discounted by 5% for each day's delay beyond the standard, as stipulated in 19.1 and 19.2, of total cost for inter-location movement rate payable for that particular rig movement, when the rig move is delayed beyond the standard.

20.0 **PREVENTION OF FIRE AND BLOWOUTS**

20.1 Contractor shall maintain all well control equipment in good condition at all times and shall take all possible steps to control and prevent the fire and blowouts to protect the hole. The Contractor shall be responsible for taking all preventive and corrective measures for initial control of kick, inflow, fire and blowouts. After initial control of well, Contractor shall inform the Company's Representative about the well condition and finally well shall be killed after mutual discussion with Company's representative.

20.2 Contractor shall test the BOPs by making pressure test at least once in every 7 days or such time as instructed by the Company Representative. However, the testing procedure and frequency must comply with the Mines Rule. Contractor shall record results of all such tests in the daily drilling report.

21.0 **DISCIPLINE:**

The Contractor shall maintain strict discipline and good order among their respective employees and their respective Sub-contractors, if any, and shall abide by and conform to all rules and regulations promulgated by the Company and Contractor governing the operations at the assigned worksites. Should the Company feel with just cause that the conduct of any of the Contractor's personnel is detrimental to Company's interests; the Company shall notify Contractor in writing the reasons for requesting removal of such personnel. The Contractor shall remove and replace such employees at their expense within 7 days from the time of such instruction given by the Company.

22.0 **WATER MANAGEMENT:**

- i. Strict control has to be made in on the use of water. Wastage of water increases the effluent volume in the pit and may aggravate pollution problems.
- ii. The valves, glands, hoses etc. are to be checked for any leakage and the same to be informed immediately to the concerned for rectification.
- iii. Arrangements have to be made for pumping effluents into the nearest dry pit in case of emergency.

23.0 **EFFLUENT PIT BUNDS:**

- i. Regular checks are to be made to ensure that there are no leakage/ seepage/ overflow of effluents from the pit into the surrounding areas.

- ii. The bunds/walls of the effluent pit are to be checked for any breaches during the operation and the same are to be repaired immediately if there are no breaches.

**24.0 COLLECTION OF USED/ BURNT LUBE OIL:**

The used lube oils are to be collected separately in drums. Floating burnt oil, if any, in the effluent pit has to be lifted and collected into drums immediately.

**25.0 COMPREHENSIVE 'HSE' GUIDELINES:**

1. The contractor shall strictly comply with the applicable and prevailing provisions of the Mines Act 1952, OISD Guidelines, and 10th Conference Recommendations of Safety in Mines. A copy of provisions of 10th Conference Recommendations in the form of 'General HSE Points' is available in the office which may be issued to successful bidders at the time of need.
2. It will be solely the Contractor's responsibility to fulfill all the legal formalities with respect to the Health, Safety and Environmental aspects of the entire job (namely; the person employed by him, the equipment, the environment, etc.) under the jurisdiction of the district of that state where it is operating. . Ensure that all sub-contractors hired by him comply with the same requirement as the contractor himself and shall be liable for ensuring compliance all HSE laws by the sub or sub-sub contractors.
3. 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.
4. 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.

5. 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.
6. Keep an up to date SOP and provide a copy of changes to a person designated by the Mine Owner/Agent/Manager.
7. 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.
8. 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.
9. The contractor shall submit to DGMS returns indicating - Name of his firm, Registration number, Name and address of person heading the firm, Nature of work, type of deployment of work persons, Number of work persons deployed, how many work persons hold VT Certificate, how many work persons undergone IME and type of medical coverage given to the work persons
10. 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.
11. 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.
12. 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.
13. Any compensation arising due to accident of the Contractor's personnel while carrying out the job, will be payable by the contractor.

14. The contractor shall have to report all incidents including near miss to Installation Manager / departmental representative of the concerned department of OIL.
15. 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.
16. 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.
17. The health check up of contractor's personnel is to be done by the contractor in authorized Health Centers 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.
18. To arrange daily tool box meeting and regular site safety meetings including pit level meeting and maintain records.
19. Records of daily attendance, accident report etc. are to be maintained in Form B, E, J (as per Mines Rules 1955) by the contractor.
20. 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.
21. 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.
22. Contractor's arrangements for health and safety management shall be consistent with those for the mine owner.
23. 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.
24. 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.

25. The contractor should prevent the frequent change of his contractual employees as far as practicable.
26. The contractor should frame a mutually agreed bridging document between OIL & the contractor with roles and responsibilities clearly defined.
27. 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.
28. Most of the above provisions are from the 10th conference Recommendation of safety in Mines.
29. Contractor should maintain T-Cards of all the persons at site for prompt counting of heads in case of emergency and other safety related issues.

26.0 **MoEF [MINISTRY OF ENVIRONMENT & FOREST] GUIDELINES:**

- i) Pre Hire rig inspection, safety meeting, tool box meetings, job safety analysis & audit shall be carried out to identify hidden/ potential hazards.
- ii) The Contractor shall take necessary measures to reduce noise levels at drill site providing mitigation measures, such as proper acoustic enclosures to the DG sets and meet norms notified by the MoEF.
- iii) The emissions of RSPM, SPM, SOX, NOX and HC & VOC from engines shall conform to the standard prescribed by SPCB. Regular monitoring of the ambient air for HC & VOC shall be carried out as per CPCB guidelines.
- iv) The Contractor shall strictly comply with rules and regulations with regard of handling and disposal of hazardous waste (Management & Handling) rules 1989/2003 wherever applicable. Authorization from SPCB must be obtained for collection/ treatment/ storage/ disposal of hazardous waste.
- v) The overall noise level in and around the plinth areas shall be kept within the standards by providing noise control measures including acoustic hoods, silencers, enclosures on all sources of noise generation. The ambient noise level shall conform to standards prescribed under EPA rules, 1989 that is 75 dBA (daytime) and 70 dBA (nighttime)

- vi) A separate environment management cell shall be set up to carry out environment management and monitoring functions.

**END OF SECTION-III**

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## SECTION IV

### SCHEDULE OF RATES

The bidders must quote their rates as per Price Schedule, Proforma-B & B-1 in their priced bids considering the following:

1.0 **MOBILIZATION CHARGES (ONE TIME LUMP SUM CHARGES) (M)**

In case the rig package is contemplated to be mobilized partly or fully from outside India then the breakup of the mobilization charges to 1st location must be furnished separately.

**NOTE:**

- Mobilization charges should include mobilization of equipment and manpower.
- Mobilization charges should cover local and foreign costs to be incurred by the Contractors to mobilize to the first location.
- The first location will be in and around Duliajan, Assam.

Mobilization charges combined should not exceed 7.5% of the total evaluated charges of the contract for **3 years**.

2.0 **DEMOBILIZATION CHARGES (LUMP SUM) (D)**

For rig package from last drilling location.

**NOTE:** Demobilization charges should include demobilization of all equipment and manpower.

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

3.1 The Operating Day rate will become payable from the time the well is spudded (after drilling rat & mouse hole and setting of scabbard and mouse hole pipe) until the rig is released for the move to the next location during the following operations :

- Drilling
- Coring
- Tripping with Contractor's drill pipes
- Circulating drilling fluid
- Fishing
- Reaming, conditioning hole, hole opening
- Making up and breaking down drill pipe, collars tubing and other tubular
- Drilling out cement, collar and shoe
- Production tests with Contractor's drill pipe
- Any other operations with use of Contractor's drill pipes
- Casing running and cementation
- Mixing or conditioning mud with Contractor's drill pipe in the hole

- Retrieving casing
- Effluent treatment and management

4.0 **STAND BY DAY RATE (Per 24 Hrs. day) (SB)**

The Standby Day rate will be payable under the following conditions:

- Waiting on cement
- Assembling and dis-assembling of BOP and well head hook-up.
- Electric logging and wire line operations (both open and cased hole)
- Production testing with Company's drill pipe or tubing
- Waiting on order
- Waiting on Company's equipment, materials and services.
- For all time during which the Company at its option may suspend operations.
- Waiting for day light for certain production testing operation.
- Deficient functioning or none performing of ETP during operation of rig

**Note:** Stand by day rate shall be 90% of the operating day rate.

5.0 **REPAIR DAY RATE (Per 24 Hrs. day) (RR)**

- 5.1 The Repair Day rate shall be payable when operations are suspended due to break-down or repair of contractor's equipment.
- 5.2 The Contractor shall be paid repair day rate to a maximum of 30 cumulative hours per calendar month. Beyond the aforesaid 30 hours, no day rate will be payable until operations are resumed, at which time the applicable rate shall again come into force.
- 5.3 This clause shall, however, not be applicable for routine inspections/ lubrications and replacements, e.g. changing swivel packing, slipping or cutting block line, changing pump valve assemblies, packings, etc. During this period, operating Day rate to a maximum of 30 cumulative hours in a calendar month will be applicable.
- 5.4 Payment towards rig repair day rate shall be 60% of the operating day rate.

6.0 **INTER LOCATION MOVE RATE:**

- 6.1 Depending on the distance between the locations, separate rates will be applicable as mentioned below:
- a) Fixed Charge (Lumpsum) for Cluster location (Movement of mast and substructure etc. only on the same plinth). The spacing between wells at surface in cluster well plinth is around 15 m. (ILM0)
  - b) Fixed Charge (Lumpsum) per rig move up to 30 Km. (ILM1)

- c) Kilometerage charges for rig movement in excess of 30 Km. This will be in addition to Lumpsum rate for ILM up to 30 Km as mentioned in 'b' above. (ILM)
- 6.2 Interlocation movement operation will start from the moment the Company releases the drilling unit for rig down at previous location. Rig & all materials including the additional and optional items, if any, are to be transferred after rig down and rig up at the next location is completed and the well is spudded. Before spudding in, the Contractor shall complete all jobs, including, but not limited to, rig up of service lines, block, hook etc, drilling and setting scabbards of mouse & rat hole, compliance/rectification to meet safety norms and any other job normally done prior to spudding in. The inter-location movement of Rig package should be completed within the period as specified in clause 19.0 under special terms and conditions.
- 6.3 The Inter location movement operation will include the clearing of the drilling location off all materials, rig parts and made free from all pollutants.
- 6.4 No day rate under para 3.0, 4.0, 5.0 & 7.0 hereof will be payable when Interlocation move rate is applicable.
- 7.0 **FORCE MAJEURE DAY RATE (Per 24 Hrs. day) (FM)**
- 7.1 The Force Majeure Day Rate shall be payable during the first 15 days period of force majeure. No payment shall accrue to the Contractor beyond the first 15 days period unless mutually agreed upon.
- 7.2 Payment towards force majeure day rate shall be 50% of operating day rate.
- 8.0 **BASE CAMP SHIFT CHARGE (Lumpsum) (BCM)**  
(CHARGE PER JOB OF BASE CAMP CHANGE)  
The Contractor shall establish a Base camp on the land provided by OIL without any additional cost to the Company at a centrally located area of actual operation for smooth monitoring of drilling operations. From the base camp the Contractor will operate drilling operations of several drilling locations. The base camp may be subjected to a maximum of **six** relocations to different areas during the contractual period of **three years**.

**NOTE:**

1. The location of the Base Camp will be prepared by the Contractor.
2. Base camp shift charge will remain the same irrespective of the number of days taken by the Contractor for base camp shifting.
3. Contractor should maintain one base office at Duliajan near OIL Industrial Area.

9.0 **CIVIL WORK INVOLVEMENT**

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

**END OF SECTION - IV**

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**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 ----- . 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 Organisation "Transparency International" (TI). Following TI's national and international experience, the Principal will appoint an external independent Monitor who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

**Section 1 - Commitments of the Principal**

(1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-

1. No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for him/herself or third person, any material or immaterial benefit which he/she is not legally entitled to.
2. The Principal will, during the tender process treat all Bidders with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidders the same information and will not provide to any Bidder confidential/additional information through which the Bidder could obtain an advantage in relation to the tender process or the contract execution.

3. The Principal will exclude from the process all known prejudiced persons.
- (2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the relevant Anti-Corruption Laws of India, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

## **Section 2 - Commitments of the Bidder/Contractor**

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

1. The Bidder/Contractor will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or immaterial benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
2. The Bidder/Contractor will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, Subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelisation in the bidding process.
3. The Bidder/Contractor will not commit any offence under the relevant Anticorruption Laws of India; further the Bidder/Contractor will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
4. The Bidder/Contractor will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

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

### **Section 3 - Disqualification from tender process an exclusion from future Contracts**

If the Bidder, before contract award has committed a transgression through a violation of Section-2 or in any other form such as to put his reliability or risibility as Bidder into question, the Principal is entitled to disqualify the Bidder from the tender process or to terminate the contract, if already signed, for such reason.

1. If the Bidder/Contractor has committed a transgression through a violation of Section 2 such as to put his reliability or credibility into question, the Principal is entitled also to exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the circumstances of the case, in particular the number of transgressions, the position of the transgressions within the Company hierarchy of the Bidder and the amount of the damage. The exclusion will be imposed for a minimum of 6 months and maximum of 3 years.
2. The Bidder accepts and undertakes to respect and uphold the Principal's Absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision to resort to such exclusion is taken. This undertaking is given freely and after obtaining independent legal advice.
3. If the Bidder/Contractor can prove that he has restored/recouped the Damage caused by him and has installed a suitable corruption prevention system, the Principal may revoke the exclusion prematurely.
4. A transgression is considered to have occurred if in light of available evidence no reasonable doubt is possible.

### **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 3 % of the value of the offer or the amount equivalent to Earnest Money Deposit/Bid Security, whichever is higher.
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 5% of the contract value or

the amount equivalent to Security Deposit/Performance Bank Guarantee, whichever is higher.

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 Bidder/Contractor undertakes to demand from all subcontractors a commitment in conformity with this Integrity Pact, and to submit it to the Principal before contract signing.

2. The Principal will enter into agreements with identical conditions as this one with all Bidders, Contractors and Subcontractors.

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 (three in number depending on the size of the contract) (to be decided by the Chairperson of the Principal)**

1. The Principal appoints competent and credible external independent Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
2. The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the Chairperson of the Board of the Principal.
3. The Contractor accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder/ Contractor/Subcontractor with confidentiality.
4. The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.
5. As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or heal the violation, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
6. The Monitor will submit a written report to the Chairperson of the Board of the Principal within 8 to 10 weeks from the date of reference or intimation to him by the 'Principal' and, should the occasion arise, submit proposals for correcting problematic situations.
7. If the Monitor has reported to the Chairperson of the Board a substantiated suspicion of an offence under relevant Anti-Corruption Laws of India, and the Chairperson has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
8. The word 'Monitor' would include both singular and plural.

**Section 9 - Pact Duration**

This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the respective contract, and for all other Bidders 6 months after the contract has been awarded.

If any claim is made/ lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/determined by Chairperson of the Principal.

**Section 10 - Other provisions**

1. This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal, i.e. New Delhi.
2. Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
3. If the Contractor is a partnership or a consortium, this agreement must be, signed by all partners or consortium members.
4. Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

-----  
For the Principal

-----  
For the Bidder/Contractor

Place : Duliajan

Witness1 : .....

Date :

Witness 2 : .....

**&&&&**

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

The equipment machinery, tools, materials supplies, instruments, services and labour, including but not limited to those listed at the following terms shall be provided at the location by OIL or contractor and the expenses of OIL or contractor as designated hereunder by 'X' mark in the appropriate column :

Sl. No.	I T E M	At Expense of		Supplied by	
		Contractor	OIL	Contractor	OIL
<b>I. EQUIPMENT :</b>					
1.	Drilling Unit complete with safety, hoisting, rotating & maintenance equipment according to international practice	X		X	
2.	BOP, its attachments & spares	X		X	
3.	Choke & kill unit & connections	X		X	
4.	Stabilizers/Rotary substitute	X		X	
5.	All Fishing tools as listed & their spares	X		X	
6.	a) Drill pipe, Drill Collar HWDP & casing tubing, and other tubular Handling Tools (Elevators, Slips etc.)	X		X	
	b) Wash-over pipe with handling tools		X		X
7.	Welding machine for normal operation with requisite electrodes	X		X	
8.	Production testing equipment		X		X
9.	Core barrel with core head		X		X
10.	Base / Well site camp complete in all respect i.e. furniture fixture etc.	X		X	
11.	Sand line or wire line for separate winch (all sizes)	X		X	
12.	Office for OIL's personnel at well site complete in all respect	X		X	
13.	Well Logging Unit & Tools & Services for Logging Operations		X		X
14.	Degasser & Spares	X		X	
15.	Desander & desilter shale shaker & spares	X		X	
16.	Mud cleaner & spares	X		X	
17.	Other sand control equipment	X		X	
18.	Cellar Pump & spares	X		X	
19.	Safety equipment including fire fighting equipment	X		X	
20.	Casing scrappers	X		X	
21.	a) Crane for all drilling & other operations.	X		X	

Sl. No.	I T E M	At Expense of		Supplied by	
		Contractor	OIL	Contractor	OIL
	Additional crane required, if any, shall be provided by Contractor at no extra cost				
	b) Sufficient number of vehicles for interlocation movement of rig	X		X	
	c) Trailer with articulated tractor	X		X	
	d) 30 Ton crane	X		X	
	e) Truck to lift chemicals		X		X
	f) Vehicle to lift bits	X		X	
	g) Vehicle to lift casing, tubing, well head etc		X		X
22.	Equipment required for supplying water as per contract specification at drilling site and camp	X		X	
23.	Equipment required for generating electricity at the site, camp	X		X	
24.	Rig lighting	X		X	
25.	Lines / Chicksan / Fittings	X		X	
26.	Tubulars for drill string other than casing & tubing	X		X	
27.	Rig compressor (including auxiliary)	X		X	
28.	Mud making/loading facilities at drill site complete with reciprocating /centrifugal pumps, prime movers, hoppers tankages etc.	X		X	
29.	Mud & water system inclusive of active intermediate & storage tanks	X		X	
30.	Drilling, sand line and all other wire lines including ropes.	X		X	
31.	All safety equipments	X		X	
32.	BOP control unit	X		X	
33.	Well control accessories	X		X	
34.	Drill pipe, drill collar, HWDP	X		X	
35.	Crossover substitutes of all sizes	X		X	
36.	Kelly (s)	X		X	
37.	All sizes & capacity of elevators, slips, tongs, clamps, (manual & hydraulic)	X		X	
38.	Power casing tong with operating unit & operator	X		X	
39.	Pneumatic kelly spinner	X		X	
40.	Elevator links	X		X	
41.	Bit breaker, thread protector, nozzle gauge, stabilizer & bit gauge	X		X	
42.	Air winch (s)	X		X	
43.	Safety joints	X		X	
44.	RCJB, Junk subs, fishing magnets, ditch magnets, impression blocks, junk mills etc.	X		X	
45.	All sizes of casing scrapper & rotovert	X		X	
46.	Ring line	X		X	
47.	Circulating heads	X		X	
48.	Poor boy swivel	X		X	

Sl. No.	I T E M	At Expense of		Supplied by	
		Contractor	OIL	Contractor	OIL
49.	Mud basket	X		X	
50.	Back pressure valves	X		X	
51.	Risers	X		X	
52.	Rig warehouse & workshops	X		X	
53.	Complete set of tools & wrenches	X		X	
54.	Flow nipple & flow branch	X		X	
55.	Gauging water pump, reciprocating type	X		X	
56.	Deleted				
57.	Deleted				
58.	Hydraulic power tong	X		X	
59.	Drill pipe spinner	X		X	
60.	Drift recording instrument, all kinds [TOTCO]	X		X	
61.	All kind of mud agitators	X		X	
62.	LWC tank & lines	X		X	
63.	MVT & flow fill indicator	X		X	
64.	Cabin for mud attendant	X		X	
65.	Emergency electricity generator at well site & camp	X		X	
66.	Mobile Effluent Treatment Plant & Accessories	X		X	
67.	Store house	X		X	
68.	All drilling instrument & recorder	X		X	
69.	All sizes of mud motors, K-monel drill collars & other deviation drilling tools, equipment & spares		X		X
70.	Fishing equipment & spares other than those mentioned in Section II (TOR) (to be supplied by Contractor)		X		X
71.	Air, water, electricity, fuel (HSD) and other POL	X		X	
72.	All bunk houses at well site & camp with all items mentioned in this IFB	X		X	
73.	Communication equipment as mentioned in the Contract	X		X	
74.	Fire fighting & safety equipment	X		X	
75.	Mud testing laboratory complete unit equipped with all testing equipment. Also consumables during entire duration of the contract	X		X	
76.	Conversion kit for rig electrical power between 50 Hz & 60 Hz	X		X	
77.	OIL's internal Telephone		X		X
78.	Equipment and services not heretofore designated but required by Contractor for normal operations	X		X	
79.	Equipment not heretofore designated but necessary to fulfill OIL's instructions		X		X
80.	Shut in valves	X		X	
81.	Potable/drinking water, permanent provision at	X		X	

Sl. No.	I T E M	At Expense of		Supplied by	
		Contractor	OIL	Contractor	OIL
	well site & camp				
82.	Washover pipes & accessories		X		X
<b>II. CONSUMABLES :</b>					
1.	1.a. Fuel for Drilling Unit, all vehicles & entire Contractor's equipment including camp.	X		X	
	1.b Fuel for OIL's designated equipment at well site on reimbursement basis.	X		X	
2.	Grease, Lube oil, Cleaning solvent & for all Contractor's equipment including accumulator charging gases (also for OIL's designated equipment on reimbursement basis)	X		X	
3.	Casing thread lubricant & locking compound		X		X
4.	Drill pipe thread lubricant	X		X	
5.	Rubber drill pipe protectors	X		X	
6.	Drill pipe wipers	X		X	
7.	Drilling bits will be provided by OIL for all drilling operation. In special cases Contractor may provide as and when required at actual cost + 5% handling charge on landed cost	X	X	X	X
8.	Stabilizers & spares	X		X	
9.	Oil well cement & cement additives		X		X
10.	Mud chemicals & mud additives		X		X
11.	Salt & Chemicals for preparation of brine water during production testing		X		X
12.1	Welding consumables	X		X	
12.2	Casing & tubing and its attachments		X		X
12.3	All casing & tubing Handling equipment	X		X	
13.	All BOP consumables including ring joint gaskets	X		X	
14.	Spares for drilling unit & accessories	X		X	
15.	Regular replacement of consumables of Contractor's equipment.	X		X	
16.	Maintaining adequate stock of consumables	X		X	
17.	Consumables for computers including stationary, ink, ribbon, floppies etc. Software should be upgraded as and when required	X		X	
18.	LWC		X		X
19.	Mud motor spares		X		X
20.	Fishing equipment, spares as per the contract	X		X	
21.	Replacement of tool equipment services as & when necessary	X		X	
22.	Replacement of Contractor's transport fleet as & when necessary	X		X	
23.	POL and spares for transport fleet as and when necessary.	X		X	
24.	Core head & core barrel		X		X

Sl. No.	I T E M	At Expense of		Supplied by	
		Contractor	OIL	Contractor	OIL
25.	First-aid & medicine	X		X	
26.	Food	X		X	
27.	Materials required for upkeepment of health and hygiene	X		X	
28.	Materials required for control of pollution	X		X	
29.	Civil Engineering materials for				
	a) Camp site maintenance	X		X	
	b) Well site plinth maintenance		X		X
30.	Replacement of electrical fittings as & when necessary	X		X	
31.	Spares & consumables for communication equipment	X		X	
32.	Replacement, spares & consumables for fire-fighting equipments	X		X	
33.	Painting of mast & substructure as and when necessary as per colour coding to be informed by OIL	X		X	
34.	All sizes of bits as and when necessary		X		X
35.	All kinds of chemical as and when necessary		X		X
36.	Replacement, spares and consumables for solid control equipment	X		X	
37.	Consumables not heretofore designated but required by Contractor in normal operation or needed for the maintenance of Contractor's equipment	X		X	
38.	Consumables not heretofore spelt out but necessary to fulfill OIL's instructions		X		X
39.	Water for drilling, production Testing & Drinking at drill site & camp site in sufficient quantity	X		X	
40.	False conductor grouting, Anchoring / grouting / supports of pipelines, wirelines etc.		X		X
41.	Consumables and spares for ETP	X		X	
42.	Consumables and spares for mud laboratory	X		X	
<b>III. SERVICE AND PERSONNEL</b>					
1.	Transportation of OIL's equipment & consumables attached to the rig	X		X	
2.	Handling (loading & unloading) and storage of OIL's, Contractor's & subcontractor's materials at drill site	X		X	
3.	Transportation of entire drilling unit with accessories between locations (inter-location move)	X		X	
4.	Inter-location movement of Company's equipment attached with the rig	X		X	
5.	Transportation of personnel				
	a) Of OIL (Based at camp)		X		X

Sl. No.	I T E M	At Expense of		Supplied by	
		Contractor	OIL	Contractor	OIL
	b) Of Contractor	X		X	
6.	Collection of bits, light consumables and transportation of same including handling to well site.	X		X	
7.	a) Site preparation (leveling, base, waster pits, cellar pit, access roads according to the general lay out requirements of Contractor ingress and egress)		X		X
	b)(i) Maintenance of well site plinth & well site approach road		X		X
	(ii) Maintenance of camp site and camp site approach road		X		X
	c) Store facility for bit and chemicals and other consumable at				
	i) Well site	X		X	
	ii) At Intermediate site	X		X	
	d) Erection and dismantling of Panel fencing at well site		X		X
8.	Communication system (as specified in the IFB)	X		X	
9.	Cementing & cementing Services	X or / and	X	X or / and	X
10.	Water for drilling cementing and production testing	X		X	
11.	Mud services facilities	X		X	
12.	Well head, control systems and their installation	X		X	
13.	Transportation of Company's consumables for inter-location movement	X		X	
14.	Welding operations	X		X	
15.	Running of casing / tubing	X		X	
16.	Medical facilities at well site	X		X	
17.	Conventional coring	X		X	
18.	a) Geologist		X		X
	b) Collection of cuttings coring samples etc	X		X	
19.	API inspection on drill string after completion of each 6 months/well throughout the duration of the contract	X		X	
20.	Other inspection required by Company in excess of contractual inspection		X	X	
21.	Furnish adequate roadway to location and the right of way		X		X
22.	Well head installation (BOP, Production & other equipments)	X		X	
23.	Welding materials & welding operations	X		X	
24.	a) All drilling tools, equipment and services	X		X	
	b) Deviation drilling tools and services		X		X
25.	All personnel & supervision necessary to operate the Drilling unit, including personnel necessary to	X		X	

Sl. No.	I T E M	At Expense of		Supplied by	
		Contractor	OIL	Contractor	OIL
	handle all normal operations on drilling location				
26.	Food and lodging of Contractor's personnel (including 3 <sup>rd</sup> party)	X		X	
27.	Food and lodging of OIL's personnel				
	a) Up to maximum 12 persons per day	X		X	
	b) Additional person over 12 persons per day		X	X	
28.	Handling of all equipment at the drilling locations including OIL equipment	X		X	
29.	All Drilling services in line with good oil field practice	X		X	
30.	BOP testing services	X		X	
31.	Well site servicing of casing		X		X
32.	Maintenance of Contractor's equipment.	X		X	
33.	Well killing services to read with Clause 7.3 (O) of Section-IV	X		X	
34.	Services for deletion of faulty equipment	X		X	
35.	Fishing services	X		X	
36.	Production testing services (wellhead fitting/ equipment shall be provided by OIL & well site services shall be provided by Contractor).	X	X		X
37.	Effluent water disposal services	X		X	
38.	Pollution control services and evacuation of cutting retainer pit including disposal in designated place at well site	X		X	
39.	Mud testing laboratory services	X		X	
40.	Computation and record keeping services	X		X	
41.	Degassing, Desanding services	X		X	
42.	Entertainment services at camp	X		X	
43.	Mud motor services		X		X
44.	Catering services	X		X	
45.	Coring services	X		X	
46.	Medical Services	X		X	
47.	Ambulance services	X		X	
48.	Fire fighting services to read with Clause 7.6(G) of Section-IV	X		X	
49.	Services of Personnel	X		X	
50.	Construction of shed / ramp etc. for mud & additives	X		X	X
51.	Various work sheet drawing, calculation dimensions as mentioned	X		X	
52.	Services not hereto fore designated but required by Contractor in normal operations or needed to maintain & operate Contractor's equipment	X		X	
53.	Services not heretofore designated but required due to directions of the Company (OIL).		X	X or (Depending on	X

Sl. No.	I T E M	At Expense of		Supplied by	
		Contractor	OIL	Contractor	OIL
				type of job	
54	All expenditure for Contractor's persons including inward and outward journey from well site	X		X	

**ANNEXURE-II**

**PROFORMA FOR BIO DATA OF KEY PERSONNEL**

1. NAME:
2. PRESENT ADDRESS:
3. PERMANENT ADDRESS:
4. FATHER'S NAME :
5. NATIONALITY :
6. PASSPORT NO. AND VALIDITY :  
(IN CASE OF EXPATRIATE)
7. DESIGNATED POST :
8. EDUCATIONAL QUALIFICATION :
9. DATE OF BIRTH :
10. EXPERIENCE IN REVERSE ORDER :

**ANNEXURE- III**

**DETAILS OF ELECTRICAL MACHINE USED IN AC SCR RIG**

Sl. No.	Name of Equipment/ Motor	Make	Maker's Sl No.	Type	DGMS Approval No.	Distance from wellhead	Gas group

Signature

**ANNEXURE -IV**

**DETAILS OF ALL CABLES, LIGHT FITTINGS, PUSH BUTTON STATIONS, PLUG & SOCKETS, JUNCTION BOXES, MOTORS, STARTERS ETC. TO BE USED IN THE OFFERED RIG**

<b>Sl. No.</b>	<b>Description</b>	<b>Make</b>	<b>Type</b>	<b>DGMS/CMRI Approval</b>	<b>Gas Group</b>

Signature

**ANNEXURE- V**

**PROFORMA UNDERTAKING FROM CONTRACTORS PERSONNEL**

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

I hereby declare that I will not have any claim for employment or any  
service benefit from OIL by virtue of my deployment for carrying out  
contract job in OIL by M/s \_\_\_\_\_.

I am an employee of \_\_\_\_\_ for all  
practical purposes and there is no privity of Contract between OIL and  
me.

-----

Signature

Place:

Date:

1. NAME:

DESIGNATION

DATE:

2. NAME :

DESIGNATION

DATE:

**ANNEXURE - VI**

**Compressor Specification (Or Equivalent) for  
Cement loading / off-loading**

Make	:
Type	:
No. of Compressor stage	:
Maximum unloading pressure	:
Normal working pressure	:
Minimum working pressure	:
Free AIR Delivery at normal working pressure and Maximum load speed	:
Diesel Engine	:
Compressor cooling system	:
Engine speed	:
Maximum Load	:
Unloaded speed	:
No. load speed	:

**NOTE:**

1. Suitable air dryer is needed for above compressor.

**PROFORMA-A**

**LIST OF ITEMS (Equipment, Tools, Accessories, Spares & consumable)**  
**TO BE IMPORTED IN CONNECTION 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	exportable? YES or NO	Year of Mfg.
1	Drilling Rig and other rig accessories	1 No.								
2	Mast and Substructure	1 No.								
3	Slush Pump & Accessories	2 Nos.								
4	Rotary Table and Rotary Drive System	1 No.								
5	Rotary Swivel & Accessories	1 No.								
6	Travelling Block + Hook	1 No.								
7	Power Pack assembly for rig package	1 Set								
8	Mud Suction and Delivery System	1 Set								
9	Cellar Pump with	1 Set								

	accessories									
10	Drill Pipes with Joints Pup	5000m								
11	Drill collars :									
	a) 9.1/2" OD	3 Nos.								
	b) 8" OD	9 Nos.								
	c) 6.1/2" OD	25 Nos.								
	d) 5" HWDP	18 Nos.								
12	Stabilizers / Cross Over Subs/Shock Sub(Vintage not more than 4/5 years)	1 Lot								
13	Kelly and Kelly bushing etc.	2 Nos.								
14	Handling tools :									
	a) Misc. Elevators	1 Lot								
	b) Misc. Slips	1 Lot								
	c) Misc. Rig tongs	1 Lot								
	d) Misc. Gauges									
15	BOP Stack and Well Control Equipment	1 Set								
16	Choke and Kill Unit, Line,	1 Lot								

	Fittings									
17	BOP Control and Well Control Unit	1 Set								
18	Fishing tools comprising of overshots, jars safety joint, junk subs, junk basket, mill, magnet etc.	1 Lot								
19	Misc. Tool & equipment comprising of casing scrapper, circulating head safety equipment, welding set unit, fire extinguishers, etc.	1 Lot								
20	Solid control equipment comprising of LMSS, Centrifuge as described in Technical Specification (Section-II) with related accessories.	1 Lot								
21	Degassing Unit	1 Set								
22	Transport Fleet for rig	1 Lot								

	movement									
23	Power generation and electricity Unit	1 Lot								
24	Tankages for mud & water system	1 Lot								
25	Rig lighting	1 Lot								
26	Drilling instrument	1 Lot								
27	Drill site mud plant	1 Set								
28	Any other equipment (Please list out with vintage in details)									
29	Spares	LS								

**NOTE:**

- 1.0 The items which are not of consumable in nature and required to be re-exported outside India after completion of the Contract should be indicated as 'YES' in column 'J'.
- 2.0 The items, which are of consumable in nature should be indicated as 'NO' in column 'J'. However, the unutilized Spares and Consumables must be re-exported by Contractor after expiry/termination of the Contract and bidders must confirm the same.
- 3.0 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'.

Authorized Person's Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Seal of the Bidder:

**PROFORMA-B**

**PRICE SCHEDULE  
(FOR COMMERCIAL EVALUATION ONLY)**

Sl No	Description of Item	Unit	Qty	Unit Rate (Currency)	Total Amount (Currency)
1	Mobilization charge <b>(M)</b>	Lumpsum	1		
2	Demobilization charge <b>(DM)</b>	Lumpsum	1		
3	Operating rate per 24 hours <b>(ODR)</b>	Day rate	960		
4	Inter-location move rate per move in case of cluster location <b>(ILMO)</b>	Lumpsum	2		
5	Inter-location move charge per rig move up to 30 Km <b>(ILM1)</b>	Lumpsum	9		
6	Kilometerage charge when the ILM is in excess of 30 Km. <b>(ILM)</b>	Kilometer	200		
7	Base camp shift charge <b>(BCM)</b>	Lumpsum	6		
Total estd Contract Price for 3(three) years inclusive of all taxes and duties, but excluding Customs Duty & Service tax, which will be on OIL's a/c					

Bidders should note that all charges against which the units rates have been asked, shall be payable at actual. The quantities indicated above are only for evaluation of bids/estimation of total contract value.

Authorized Person's Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Seal of the Bidder:

**PROFORMA B1**

**INFORMATION IN THIS PRICE BID PROFORMA ARE REQUIRED IN  
CASE, OIL AT ITS DISCRETION, WANTS TO UTILISE THE  
ITEMS/SERVICES FOR WELLS DRILLED BY OIL'S RIG  
ELSEWHERE, EXCEPTING SERIAL NO. 1**

1. FOOD AND ACCOMMODATION PER PERSON : RS. \_\_\_\_\_  
IN ADDITION TO 12 PERSONS.
  
2. INDEPENDENT TRANSPORT FLEET OPERATING  
CHARGE INCLUDING APPROPRIATE CREW AND POL :
  - A) 70 TONNER (EQUIPMENT) :  
CRANE PER HOUR (IF ANY)
  
  - B) 30 TON CRANE PER HOUR :
  
  - C) OILFIELD TRUCK PER HOUR :
  
  - D) LONG TRAILER WITH :  
TRACTOR PER HOUR
  
  - E) FORK LIFT PER HOUR :
  
3. OFFICE BUNK HOUSE WITH :  
ACCESSORIES, PER DAY
  
4. LIVING BUNK HOUSE WITH ALL :  
ACCESSORIES, PER DAY

*Bidders should note that all charges against which the units rates have been asked, shall be payable at actual.*

Authorised Person's Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Seal of the Bidder:

**BID FORM**

To  
M/s. Oil India Limited,  
P.O. Duliajan, Assam, India

**Sub: IFB No. CDG3434P15**

*Gentlemen,*

Having examined the General and Special Conditions of Contract and the Terms of Reference including all attachments thereto, the receipt of which is hereby duly acknowledged, we the undersigned offer to perform the services in conformity with the said conditions of Contract and Terms of Reference for the sum of \_\_\_\_\_ (Total Bid Amount in words and figures) or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to commence the work within (\_\_\_\_\_) days calculated from the date both parties have signed the Contract.

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

We agree to abide by this Bid for a period of 180 days from the date fixed for 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 \_\_\_\_\_ 2014.

**Authorised Person's Signature:** \_\_\_\_\_

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Seal of the Bidder:**

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

1.0 The Bidder shall furnish detailed statement of **exceptions/deviations**, if any, to the tender stipulations, terms and conditions in respect of each Section of Bid Document in the following format:

<b>Section No.</b>	<b>Clause No. (Page No.)</b>	<b>Non-Compliance</b>	<b>Remarks</b>

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

**Authorised Person's Signature:** \_\_\_\_\_

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Seal of the Bidder:**

**NOTE:** OIL INDIA LIMITED expects the bidders to fully accept the terms and conditions of the bid document. However, should the bidders still envisage some exceptions/deviations to the terms and conditions of the bid document, the same should be indicated as per above format and submit along with their bids. If the "**Statement of Compliance**" in the above Proforma is left blank (or not submitted along with the technical bid), then it would be construed that the bidder has not taken any exception/deviation to the tender requirements.

**FORM OF BID SECURITY (BANK GUARANTEE)**

To:  
M/s. OIL INDIA LIMITED,  
For Head(Contracts)  
Duliajan, Assam, India, Pin - 786 602

WHEREAS, (Name of Bidder) \_\_\_\_\_ (hereinafter called "the Bidder") has submitted their offer Dated \_\_\_\_\_ for the provision of certain oilfield services (hereinafter called "the Bid") against OIL INDIA LIMITED, Duliajan, Assam, India (hereinafter called the Company)'s IFB 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 common seal of the said Bank this \_\_\_ day of \_\_\_ 2014.

THE CONDITIONS of these obligations are:

- (1) If the Bidder withdraws their Bid during the period of Bid validity specified by the Bidder; or
- (2) If the Bidder, having been notified of acceptance of their Bid by the Company during the period of Bid validity:
  - (a) Fails or refuses to execute the form of agreement in accordance with the Instructions to Bidders; or
  - (b) Fails or refuses to furnish the Performance Security in accordance with the Instructions to Bidders;

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 one or both of the two 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.

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 minimum 30 days after the end of the validity period of the Bid.

**FORM OF PERFORMANCE BANK GUARANTEE**

To:  
M/s. OIL INDIA LIMITED,  
**(HEAD-CONTRACTS)**  
Duliajan, Assam, India, Pin - 786 602.

WHEREAS \_\_\_\_\_ (Name and address of Contractor) (hereinafter called "Contractor") had undertaken, in pursuance of Contract No. \_\_\_\_\_ to execute (Name of Contract and Brief Description of the Work) \_\_\_\_\_ (hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee as security for compliance with Contractor's obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee; NOW THEREFORE we hereby affirm that we are Guarantors on behalf of the Contractor, up to a total of (Amount of Guarantee in figures) \_\_\_\_\_ (in words \_\_\_\_\_), such amount being payable in the types and proportions of currencies in which the Contract price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of guarantee sum as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein. We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or the work to be performed thereunder or of any of the Contract documents which may be made between you and the Contractor shall in any way cease us from any liability under this guarantee, and we hereby waive notice of such change, addition or modification.

This guarantee is valid until the date \_\_\_\_\_ (calculated at **6 months** after Contract completion date).

SIGNATURE AND SEAL OF THE GUARANTORS \_\_\_\_\_  
Designation \_\_\_\_\_  
Name of Bank \_\_\_\_\_  
Address \_\_\_\_\_

Witness \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_

Date .....  
Place \_\_\_\_\_

**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 accepted the bid submitted by the Contractor and had issued a firm Letter of Award No. \_\_\_\_\_ dated \_\_\_\_\_ based on Offer No. \_\_\_\_\_ dated \_\_\_\_\_ submitted by the Contractor against Company's IFB No. \_\_\_\_\_. All these aforesaid documents shall be deemed to form and be read and construed as part of this agreement/contract. However, should there be any dispute arising out of interpretation of this contract in regard to the terms and conditions with those mentioned in Company's tender document and subsequent letters including the Letter of Intent and Contractor's offer and their subsequent letters, the terms and conditions attached hereto shall prevail. Changes, additions or deletions to the terms of the contract shall be authorized solely by an amendment to the contract executed in the same manner as this contract.

NOW WHEREAS, in consideration of the mutual covenants and agreements hereinafter contained, it is hereby agreed as follows -

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2. In addition to documents herein above, the following Sections and Annexures attached herewith shall be deemed to form and be read and construed as part of this agreement viz.:
- (a) Section-I            indicating the General Conditions of this Contract;
  - (b) Section-II         indicating the Terms of Reference;
  - (c) Section-III        indicating the Special Terms & Condition;
  - (d) Section-IV         indicating the Schedule of Rates.
3. In consideration of the payments to be made by the Company to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Company to provide the Services and to remedy defects therein in conformity in all respect with the provisions of this Contract.
4. The Company hereby covenants to pay the Contractor in consideration of the provision of the Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of this Contract at the times and in the manner prescribed by this Contract.

IN WITNESS thereof, each party has executed this contract at Duliajan, Assam as of the date shown above.

Signed, Sealed and Delivered,

For and on behalf of  
Company (Oil India Limited)

for and on behalf of Contractor  
(M/s. \_\_\_\_\_)

Name:

Name:

Status:

Status:

In presence of

In presence of

1.

1.

2.

2.

**PROFORMA LETTER OF AUTHORITY**

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

Sir,

**Sub: OIL's IFB No. CDG3434P15**

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

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

Yours Faithfully,

**Authorised Person's Signature:** \_\_\_\_\_

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Seal of the Bidder:**

**Note:** This letter of authority shall be on printed letter head of the Bidder and shall be signed by a person competent and having the power of attorney (power of attorney shall be annexed) to bind such Bidder. If signed by a consortium, it shall be signed by members of the consortium.

**PROFORMA-I**

**AUTHORISATION FOR ATTENDING BID OPENING**

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

Date : \_\_\_\_\_

Sir,

**Sub : OIL's IFB No. CDG3434P15**

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

Yours Faithfully,

**Authorised Person's Signature:** \_\_\_\_\_

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Seal of the Bidder:**

**Note:** This letter of authority shall be on printed letter head of the Bidder and shall be signed by a person who signs the bid.