

**National Centre for Antarctic & Ocean Research**  
**Earth System Science Organization**  
**Ministry of Earth Sciences, Govt. of India**  
**Director, NCAOR**  
 Headland Sada, Vasco-da-Gama  
**Goa- 403804, GOA, INDIA**  
 Fax No.: 0832-2525566; Phone: 0832-2525555

No.: NCAOR/BGRL-KOYNA3km/01/2015

### Notice Inviting Tender

NCAOR Goa, invites tender for drilling one vertical, 3000m deep borehole for scientific investigations in the Koyna region, Maharashtra. Drilling should be accomplished on Integrated Well Completion (IWC) basis inclusive of rig and associated services as detailed in the tender document.

The tender document and the prescribed Bid Form for submission of bids can be downloaded from NCAOR'S website [www.ncaor.gov.in/tender](http://www.ncaor.gov.in/tender) and <http://eprocure.gov.in/epublish/app>.

The details of tender are given below:-

1	Tender No.	NCAOR/BGRL-KOYNA3km/01/2015
2	Type of Tender	Two-Bid system (Technical and financial to be submitted in separate cover).
3	Description of Services	01 No. Suitable drilling rig of adequate capacity to drill vertical pilot hole of 3000m with the maximum inclination of 3 degrees along with mud services, cementing services, METP services, mud logging services, wireline logging services in Koyna region, Maharashtra state.
4	Mobilization Period	As per Bid Evaluation Criteria (Annexure- V)
5	Duration of Contract	As per Bid Evaluation Criteria (Annexure- V)
6	Tender Fee	Rs. 2000/- (Rupees Two Thousand only) or USD 50/- (US dollars Fifty only)
7	Pre-bid Conference Venue, date & Time	<b>Held at Prithvi Bhavan, 4<sup>th</sup> Avenue, Lodhi Road, New Delhi-110 003 on 14/05/2015 at 12:00 hrs.</b>
8	Closing / Opening date & time of Tender	Closing date: 30-6-2015; 1700 hrs IST Opening of tender: 1-7-2015; 1100 hrs IST
9	Bid Validity	120 days from the date of opening of the tender. The tenderers should agree to extend further 60 days
10	EMD / Bid Bond / Bid Security	As per Bid Evaluation Criteria (Annexure- v) <b>Note:-Bidders are advised to ensure that in the Bid Bond Bank Guarantee signatures of both Bankers and Telephone No. &amp; Fax No. of Issuing bank is available.</b>
11	Performance Bank Guarantee/ Security Deposit	Contractor(s) i.e. Successful Bidder(s) shall submit PBG for 10% of Contract value. PBG must be valid for <b>120</b> days beyond period of the Contract.
12	Tender Terms & Conditions	Tender will be governed by terms & conditions as per Annexure – I to VI of Tender Document.

13	Evaluation Methodology:	As per Bid Evaluation Criteria (Annexure- V)														
14	Price-Bid Formats	Price Formats are at Annexure-IV.														
15	Techno-Commercial BEC Matrices	Bidders are required to submit Techno-Commercial BEC Matrices as per Annexure- VI, duly filled-in and signed on all the pages by the person signing the bid.														
16	Correspondence Address	<b>Director, NCAOR, Headland sada, Vasco-da-Gama Goa- 403804, GOA, INDIA</b> Fax No.: 0832-2525566; Phone: 0832-2525555														
17	The tender shall be governed by the following:-															
	<table border="1"> <tr> <td>1.</td> <td>Notice Inviting Tender</td> </tr> <tr> <td>2.</td> <td>Annexure – I: Instructions to Bidder along with various Appendices.</td> </tr> <tr> <td>3.</td> <td>Annexure – II: Drilling Agreement with General Terms and Conditions along with various Appendices.</td> </tr> <tr> <td>4.</td> <td>Annexure – III: Scope of Work &amp; Broad Technical Specification for Drilling Rig with Integrated Services.</td> </tr> <tr> <td>5.</td> <td>Annexure – IV: Price Bid Formats</td> </tr> <tr> <td>6.</td> <td>Annexure – V: Bid Evaluation Criteria (BEC) with Appendices.</td> </tr> <tr> <td>7.</td> <td>Annexure – VI: Techno-Commercial BEC Compliance Matrix</td> </tr> </table>		1.	Notice Inviting Tender	2.	Annexure – I: Instructions to Bidder along with various Appendices.	3.	Annexure – II: Drilling Agreement with General Terms and Conditions along with various Appendices.	4.	Annexure – III: Scope of Work & Broad Technical Specification for Drilling Rig with Integrated Services.	5.	Annexure – IV: Price Bid Formats	6.	Annexure – V: Bid Evaluation Criteria (BEC) with Appendices.	7.	Annexure – VI: Techno-Commercial BEC Compliance Matrix
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18	Bidder should submit in their bid specific acceptance/compliance to each requirement of Technical specifications and Scope of Works and all terms & conditions of tenders.															
19	Prices shall be quoted strictly as per <b>Price Bid Formats at Annexure: IV</b> of the tender document.															
20	<p>The Bid along with all appendices should be submitted with the following documents -</p> <ul style="list-style-type: none"> <li>(i) The original bid security.</li> <li>(ii) The “Power of Attorney” or authorization, or any other document consisting of adequate proof of the ability of the signatory to bind the bidder, in original, when the power of attorney is a special “Power of Attorney” relating to the specific tender of NCAOR only.</li> </ul> <p>A notarized true copy of the “Power of Attorney” shall also be accepted in lieu of the original, if the power of attorney is a general “Power of Attorney”. However, photocopy of such notarized true copy shall not be accepted.</p> <ul style="list-style-type: none"> <li>(iii) Original MOU of the agreement for Joint Ventures as per BEC requirement.</li> <li>(iv) MOU for consortium bids as per BEC requirement.</li> <li>(v) MOU / Agreement for leased Rig / proposed to purchase as per BEC requirement.</li> </ul> <p>Offers with techno-commercial bid – containing prices shall be rejected outright.</p> <p>If the bidder fails to submit original document with the same content as in the copies submitted in the un-price bid folder, and in accordance with bidding document, irrespective of their status / ranking in tender, the bid will be rejected and NCAOR may consider debaring the bidder from participating against future tenders.</p>															
21	NCAOR shall not be responsible for loss of physical document or delay in postal transit.															

22. Offer not accompanied with prescribed EMD / Bid Bond and also without complying with the terms and conditions of the tender will be ignored straightway.
23. The Bid along with all appendices and copies of documents should be submitted in Two-Bid system. The Techno-Commercial bid shall contain all details without indicating prices of the quoted items. The Price bid shall contain only the prices duly filled in the price format. Offers with techno commercial bid-containing prices shall be rejected outright.

24. The Bid along with all Appendices and original documents should be submitted in Two–Bid System before the scheduled date and time for tender closing. Such documents submitted should be as per requirements of the tender, valid and legally operative as on date fixed for opening of techno-commercial bid.

The completed bid (Techno-Commercial and Price Bid) is to be submitted in physical form, and should positively reach to the Director, National Centre for Antarctic & Ocean Research, Earth System Science Organization, Headland sada, Vasco-da-Gama, Goa- 403804, GOA, INDIA before 17:00 hours IST on **30-6-2015** (Bid Submission date).

25. As making of civil foundation for the rig and the associated equipments and the approach roads is responsibility of the bidder, so the bidders have to visit the drill site at the time of EOI. If any bidder is unable to visit the drill site during EOI, the bidder is free to visit any time with the prior permission of Project Director, BGRL at Karad, Maharashtra. After the visit they have to obtain a site visit certificate from BGRL and a copy of same has to be submitted along with the bid. The **site visit** is mandatory and has to be carried out during the period **May 7 to June 1, 2015** failing which the bid will be rejected.

**Contact information for site visit –**

Mr. Vyasulu Akkiraju, Scientist, BGRL, Email: [akkiraju\\_vyas@yahoo.com](mailto:akkiraju_vyas@yahoo.com),  
Mobile No. 09885668864.

Ms. Saraswati Girap, Section officer (Admin), BGRL, phone no. 02164-255060,  
Mobile-08888175312, Email: [saraswati.girap@gov.in](mailto:saraswati.girap@gov.in)

## **ANNEXURE – I**

### **INSTRUCTIONS TO BIDDERS**

#### **A: INTRODUCTION**

**1. Eligibility and Experience of the bidder:** - As per BEC.

**2.0 TENDER FEE**

**2.1** The bidders shall be able to submit the bid only after payment of tender fee.

The payment of tender fee by DD for Rupees 2000/- or USD 50/- drawn on NCAOR payable at Goa has to be submitted in original along with the Technical Bid.

The offer will not be considered without tender fee. However, MSEs (and not their dealers/distributors) registered with District Industry Centers or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts and Handloom or any other body specified by Ministry of MSME are exempted from payment of tender fee for the Services they are registered with District Industry Centers or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts and Handloom or any other body specified by Ministry of MSME (the valid certificate has to be submitted along with tender document to claim the above). The Government Departments are also exempted from payment of tender fee.

**3. TRANSFER OF BIDDING DOCUMENT:** - The Bidding document is not transferable.

**4. COST OF BIDDING**

**4.1** The Bidder shall bear all costs associated with the preparation and submission of its bid, and NCAOR will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

**4.2 METHOD OF SUBMITTING BIDS UNDER TWO BID SYSTEM**

**4.2.1** Bid should be submitted under 'Two Bid System' as detailed below:

Bid should be submitted in original only for both Financial and Techno-commercial bid as given below:

**4.2.2 Envelope – 1**

This envelope should contain the signed "Techno-commercial un-priced bid" in original along with descriptive literature of the Company, experience, past performance of similar jobs, capabilities in respect of personnel, and complete technical details in line with Tender document. The envelope should be sealed and super scribed with Tender Number, Name of the Bidder, and closing date and marked "Techno-commercial Un-priced Bid". The blank price bid (i.e. keeping price columns blank) should be enclosed in "Technical Un-priced Bid". The "Technical Un-priced Bid" should not contain any prices.

**4.2.3 Envelope – 2**

This envelope should contain the signed financial bid in original. The envelope should be sealed and superscribed with Tender Number, Name of the Bidder, Details of Rig offered and closing date of the Tender and marked as "Financial". The financial bid should be submitted strictly as per the proforma at Annexure – IV. The bidders should not mention any exception / deviation in the financial bid.

#### 4.2.4 **Envelope – 3**

This envelope should contain the sealed envelopes 1 and 2. The envelope – 3 shall be sealed and superscribed with tender no., name of the Bidder, and Closing date of Tender. The envelope should be marked "To be opened by the Addressee only".

4.2.5 The envelopes 1, 2 and 3 as above may be submitted in person and sent through Registered post and/or through couriers at following address:

Director,  
National Centre of Antarctic and Ocean Research  
Earth System Science Organization  
Ministry of Earth Sciences  
Government of India  
Headland Sada, Vasco-Da-Gama  
Goa – 403804, India

If the envelopes are not sealed and marked as required above, NCAOR will assume no responsibility for misplacement or premature opening of the bid etc.

4.3 Bids shall be submitted in the office of Director, NCAOR at the above address on or before 30-6-2015 up to 17:00 hrs. IST.

4.4 Telex / Tele-fax offers, whether received directly by NCAOR or submitted by the local agents shall not be considered.

4.5 NCAOR reserves itself the right to extend the bid submission deadline.

## **B: THE BIDDING DOCUMENT**

### **5. CONTENT OF BIDDING DOCUMENTS**

5.1 The services required, bidding procedures and contract terms are described in the bidding document. In addition to the Invitation for Bids, the bidding documents include:

**ANNEXURE I** : **Instructions to Bidders** with following Appendices

Appendix 1 : Bidding Document Acknowledgement proforma

Appendix 2 : Bid submission proforma

Appendix 3 : Bid submission Agreement proforma.

Appendix 4 : Bid Bond Bank Guarantee proforma

Appendix 5 : Checklist

Appendix 6 : Proforma for Bidders past services (similar)

Appendix 7 : Proforma of Authorization Letter for attending Tender Opening

**ANNEXURE II** : Drilling Agreement with General Terms and Conditions along with following appendices.

Appendix – 1 : Proforma of Performance Bond Bank Guarantee.

Appendix – 2 : Proforma – "PFD".

Appendix – 3 : Form – 12 (Under Employees Provident Fund Scheme, 1952).

Appendix – 4 : Form – 6A (Under Employees Provident Fund Scheme, 1952).

**ANNEXURE III** : **Scope of Work, Broad Technical Specifications of Rigs to be Hired, etc.**

**ANNEXURE IV** : **Price Formats**

**ANNEXURE V** : **Bid Evaluation Criteria with Appendices.**

**ANNEXURE VI** : **BEC Compliance Matrices (Technical and Commercial).**

- 5.2 The bidder is expected to examine all instructions, forms, terms and specifications in the bidding documents. Failure to furnish all information required the bidding documents will be at the bidder's risk. Tenders not complying with tender conditions and not conforming to tender specifications may result in the rejection of its bid without seeking any clarifications.
6. Changes / Modifications/Amendments as a sequel to Pre Bid Conference have been incorporated in the Final Tender Document uploaded in two portals:
- i) [www.ncaor.gov.in](http://www.ncaor.gov.in)
  - ii) <http://eprocure.gov.in/epublish/app>
- Pre-Bid Conference shall NOT be held again.

### **C. PREPARATION OF BIDS**

#### **7. LANGUAGE AND SIGNING OF BID**

- 7.1 The bid prepared by the bidder and all correspondence and documents relating to the bid exchanged by the Bidder and the NCAOR shall be written in English language. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the bid, the translation shall prevail.
- 7.2 The un-priced techno-commercial bids shall be submitted in the prescribed bid proforma as per appendices 1 to 7 of Annexure-I. The above appendices shall be duly filled in without any alteration to NCAOR's proforma. The above appendices along with copy of bid bond as per Appendix-4 and all other techno-commercial documents other than price details to be submitted with un-priced bid as per tender requirement should be placed in the un-priced bid folder.
- All documents have to be signed by the authorized representative of the bidding company.
- 7.3 In the event of the space on the bid proforma being insufficient for the required purpose, additional pages may be added. Each such additional page must be numbered consecutively, showing the tender number and should be duly signed. In such cases reference to the additional page(s) must be made in the bid. Price bid has to be submitted as per the format. Any modifications made may result in rejection of the bid.
- 7.4 The bid proforma referred to above, if not attached in un-priced bid folder or if attached but not dully filled in will be liable to result in rejection of the bid.
- 7.5 The Bidders are advised in their own interest to ensure that all the points brought out in the check list are complied with in their bid failing which the offer is liable to be rejected.
- 7.6 The bids can only be submitted in the name of the Bidder in whose name the bid documents were issued by NCAOR. The bid papers, duly filled in and complete in all respects shall be submitted together with requisite information and Annexures/Appendices. It shall be complete and free from ambiguity, change or interlineations.
- 7.7 The bidder should indicate at the time of quoting against this tender their full postal and fax addresses and also similar information in respect of their authorized agents in India, if any.
- 7.8 The bid including all attached documents shall be signed by duly authorized representative of the bidding company. Power of attorney for the signatory, issued by the bidding company should be submitted along with other documents as per tender conditions as per relevant clause regarding submission and opening of bids contained in the tender document.
- 7.9 The bidder shall clearly indicate their legal constitution and the person signing the bid shall state his capacity and also source of his ability to bind the Bidder.

- 7.10 The power of attorney or authorization, or any other document consisting of adequate proof of the ability of the signatory to bind the bidder, shall be annexed with un-priced bid. NCAOR may reject outright any bid not supported by adequate proof of the signatory's authority
- 7.11 The bidder, will have to give a certificate in its offer, that the terms and conditions (Annexure I and II), as laid down in this bidding document are acceptable to it in toto.
- 7.12 Any interlineations, erasures or overwriting shall be valid only if they are initialed by the person or persons signing the bid.
- 7.13 Joint venture/ consortium bids:-**
- (a) In view of the complexity of nature of work involved as covered by the Bidding Documents, it is anticipated that some of the intending bidders may pool their resources and experiences to form Consortia/Joint Ventures. In their own interest, the bidders are advised to investigate the capabilities, availability of expertise and resources such as equipment, experienced personnel, financial soundness, past experience and concurrent engagements of constituting partners/members of the consortium/joint venture.
- (b) In the event that the successful bidder is a joint venture formed of two or more companies, the Company requires that the parties to the joint venture accept joint and several liabilities for discharging all obligations under the Contract.
- (c) The leader of the Consortium/Indian leader can submit bid on behalf of consortium of bidders. Memorandum of Understanding between the Consortium members duly signed by the Chief Executives of the consortium members must accompany the bid which should clearly define role/scope of work of each partner/member and should clearly define the leader of consortium. Memorandum of Understanding (MOU) must also state that all the members of consortium shall be jointly and severally responsible for discharging all obligations under the Contract. In case of award, such MOU shall be kept valid through the entire contract period, including extensions, if any. The following provisions should also be incorporated in the MOU executed by the members of the Consortium/Joint Venture:-
- (i) The leader of the consortium/joint venture on behalf of the consortium / joint venture shall coordinate with NCAOR during the period the bid is under evaluation as well as during the execution of works in the event contract is awarded and he shall also be responsible for resolving dispute/ misunderstanding/undefined activities, if any, amongst all the consortium/ joint venture members.
- (ii) Any correspondence exchanged with the leader of consortium/joint venture shall be binding on all the consortium/joint venture members.
- (iii) Payment shall be made by NCAOR only to the leader of the consortium/joint venture towards fulfillment of contract obligations. If direct payment to each member is required for their part of scope of works, the same should be clearly indicated in the Price bid along with member-wise details of price break-up.
- (d) In case of Consortium bids, the bid shall be signed by the leader of Consortium. The Power of Attorney from each member authorizing the leader for signing and submission of Bid on behalf of individual member must accompany the Bid offer. In case of bids from Joint Ventures, the bid shall be signed by any one partner of the Joint Venture. The Power of Attorney from each of the other joint Venture partner(s), authorizing the signatory for signing and submission of Bid on behalf of individual partners must accompany the Bid offer.
- (e) Documents / details pertaining to qualification of bidder as per proforma of document attached with the bidding documents must be furnished by each partner/member of consortium/joint venture complete in all respects along with the bid clearly bringing up their experience especially in the form of work share.

- (f) **Constitution of Consortium:** If during evaluation of bid, a consortium leader proposes any alterations/changes in the constitution or replacement or inclusion or expulsion of any partner(s)/ member(s) of the consortium which had originally submitted the bid, to drive some advantages/benefits based on any development(s) having come to his knowledge at any time, the bid of such a consortium shall be liable for rejection.
- (g) **Signing of Contract:** In the event of award of contract to the consortium/joint venture, the contract may be signed by the leader and members of the consortium/joint venture and the liability of each one of them shall be joint and several. Alternatively the contract may be signed by an authorized officer of the consortium/joint venture on its behalf as well as on behalf of each and every member separately with a valid power of attorney from each member duly notarized and thereafter every member should countersign the contract in token of having confirmed the contract.

## 8.0 **COMPLIANCE WITH THE REQUIREMENTS OF BID EVALUATION CRITERIA (BEC) AND ALL OTHER TENDER CONDITIONS:**

### 8.1 Advice to bidders for avoiding rejection of their offers:

Prospective bidders are advised to ensure that their bids are complete in all respects and conform to NCAOR's terms, conditions and bid evaluation criteria of the tender. Bids not complying with NCAOR's requirement may be rejected without seeking any clarification.

### 8.2 **Submission of 'Bid Matrix' duly filled-in, to re-confirm compliance with tender requirements:**

Bidders should submit the 'Bid Matrix' (as enclosed with the bid document) duly filled-in, so as to re-confirm compliance with each of the requirements of BEC and other important conditions of the tender. Each such confirmation should be clearly stated in the 'Bid Matrix' indicating "Confirmed" or "Not Confirmed", as applicable. Further, against each such confirmation, bidders should also indicate the reference/location (page No. / Annexure etc.) of the respective detail(s)/document(s) enclosed in the bid, so as to easily locate the same in bid document. Each entry in the 'Bid Matrix' must be filled-in in indelible ink (entries written in pencil will be ignored). Further, each page of the 'Bid Matrix' and the corrections/overwriting/erasures (if any) should be signed manually by the person (or, persons) signing the bid.

Bidders are advised to ensure submission of the 'Bid Matrix', duly filled-in as per above requirements, for avoiding rejection of their offers.

## 9.0 **DOCUMENTS COMPRISING THE BID**

### 9.1 The bid prepared by the Bidder shall comprise the following components, duly completed:

- a) Price bid format.
- b) Documentary evidence establishing that the Bidder is eligible to bid and is qualified to perform the contract if its bid is accepted. The documentary evidence of the Bidder's qualifications to perform the Contract if its bid is accepted, shall establish to the NCAOR's satisfaction:
  - (i) That the Bidder has the financial capability necessary as per Cl. No. B.2.7.0 of BEC to perform the Contract;
  - (ii) That the Bidder meets all the criteria prescribed in the Bid Evaluation Criteria (Annexure-V).
- c) Documentary evidence that the services to be rendered by the Bidder confirm to the requirements of bidding documents.

(i) The documentary evidence of conformity of the services to the bidding documents may be in the form of literature, drawings and data and shall consist of:

- 1) A detailed description of essential technical and performance characteristics of the services.
- 2) An item-by-item commentary on the NCAOR's technical specifications demonstrating conformity to the provisions of the technical specifications of the bidding document.

d) Bid security.

d) Bid submitted by foreign Bidder shall include a detailed description of the relationship between the bidder and its Local Agent/ Consultant / representative/ retainer including specific services to be rendered, permanent income tax account number of agent/consultant/representative/retainer, permanent income tax account number of foreign bidder and amount of commission not more than 2% of the quoted price. The commission, if any, should be inclusive of the total quoted price. Payment to Indian agent, if any, will be made deducting from the quoted price.

If no such agent / representative are involved, the same should be explicitly stated in the techno-commercial bid.

(f) The bidder should submit a declaration to the effect that neither the bidder themselves, nor any of its allied concerns, partners or associates or directors or proprietors involved in any capacity, are currently serving any banning orders / black listed issued by NCAOR/ Government of India/ PSU debaring them from carrying on business dealings with NCAOR.

## 10.0 PRICE SCHEDULE

10.1 The Bidder shall fill in completely all the fields in the price bid format in respect of services quoted including but not limited to prices and pricing conditions.

## 10.2 Bid Prices

10.2.1 The bidders shall indicate on the price schedule as per price format.

10.2.2 Prices quoted by the bidder shall be firm during the bidder's performance of the contract and not subject to variation on any account.

10.2.3 Discount: Bidders are advised not to indicate any separate discount. Discount, if any, should be merged with the quoted prices. Discount of any type, indicated separately, will not be taken into account for evaluation purpose. However, in the event of such an offer, without considering discount, is found to be lowest, NCAOR shall avail such discount at the time of award of contract.

## 10.3 CONCESSIONS PERMISSIBLE UNDER STATUTES

Bidder, while quoting against this tender, must take cognizance of all concessions permissible under the statutes including the benefit under Central Sales Tax Act, 1956, failing which it will have to bear extra cost where Bidder does not avail exemptions/concessional rates of levies like customs duty, excise duty, VAT / Sales Tax, etc. NCAOR will not take responsibility towards this. However, NCAOR may provide necessary assistance, wherever possible, in this regard.

Bidders must also consider benefits of CENVAT credit under the CENVAT Credit Rules 2008 as amended from time to time, for excise duty, service tax etc against their Input materials / Services, while quoting the prices. Similarly, the benefits of input VAT credit against their Input materials, under the relevant VAT Act of the State, should also be duly considered by the Bidders while quoting the prices.

#### 10.4 **INCOME TAX LIABILITY**

The bidder will have to bear all Income Tax liability both corporate and personal tax.

#### 10.5 **Service Tax Liability:**

##### 10.5.1 The bidder will have to pay all Service Tax liability.

However, in case contractor is a company and registered under Companies Act, 1956, NCAOR shall not pay any share of Service Tax and 100% Service Tax shall be paid by Contractor (Service Provider).

The Bidder should quote the applicable Service Tax, clearly indicating the rate and the amount of Service Tax included in the bid and the description of the respective service (as per Service Tax rules) under which the Service Tax is payable.

In the contracts involving multiple services or involving supply of certain goods or materials (which should be consumable in nature) along with the services, the Bidder should give separate break-up for cost of goods and cost of various services, and accordingly quote Service Tax as applicable for the taxable services. Contracts involving supply of goods / material which are not consumable in nature would be considered as Works Contract and not Service Contract.

In case the Services Tax is not quoted explicitly in the offer by the Bidder, the offer will be considered as inclusive of all liabilities of Service Tax. NCAOR will not entertain any future claim in respect of Service Tax against such offers.

In case, the quoted information related to various taxes and duties subsequently proves wrong, incorrect or misleading:-

a) NCAOR will have no liability to reimburse the difference in the duty/tax, if the finally assessed amount is on the higher side.

b) NCAOR will have the right to recover the difference in case the rate of duty/tax finally assessed is on the lower side.

Notes:

The Service Provider (other than the Service Providers from outside the taxable territory of India, who do not have any fixed establishment or permanent address in India for providing services) should have a valid Service Tax registration Certificate with the concerned authorities of Service Tax department and a copy of such registration certificate should be submitted along with the offer. In case the registration certificate is not available at the time of submission of offer, an undertaking should be furnished for submission of copy of requisite Service Tax registration certificate along with the first invoice under the contract.

Service to be provided from outside the taxable territory of India: As per Service Tax rules, for Services received by NCAOR in Taxable Territory of India from a Service Provider from outside the taxable territory of India, who does not have any fixed establishment or permanent address for providing taxable services in India, the liability to pay service tax lies with NCAOR. Therefore, such Bidder shall not include Service Tax in the quoted prices, but shall submit a declaration to the effect that they do not have any fixed establishment or permanent address for providing services in India. However, at the time of evaluation, Service Tax as applicable shall be loaded on the portion of services which attract Service Tax. In case the Bidder does not give break-up of the quoted prices, indicating the components of taxable services separately, the Service Tax will be loaded on entire quoted / Contract value for evaluation considering abatement, if any, as per the provisions of the statute.

**10.5.2** In case the Services Tax is not quoted explicitly in the offer by the Bidder, the offer will be considered as inclusive of all liabilities of Service Tax. NCAOR will not entertain any future claim in respect of Service Tax against such.

**11.0 BID CURRENCIES**

11.1 The Bidders are to quote firm prices. The Indian Bidder should quote in Indian Rupees. The Foreign Bidder may quote in any international tradable currency. If the foreign bidder prefers any payment to Indian company for services rendered in India, for such part of services should be quoted in Indian Rupees. Payment will be made accordingly. The complete details of the recipient in India as quoted should be provided in detail in the techno-commercial bid.

Currency once quoted will not be allowed to be changed.

**12.0 MODE OF PAYMENT**

i) To the Indian Bidders and Indian Service Providers, the payment will be made in Demand Draft (DD) / RTGS. For RTGS payments following of the beneficiary may be provided –

- 1) Name of the beneficiary
- 2) Bank name and full address
- 3) Account No. of the beneficiary
- 4) IFSC Code of the bank
- 5) Branch code of the bank
- 6) PAN no. of the beneficiary.

ii) Payment to the foreign Beneficiary shall be made through Electronic Transfer via SWIFT.

Following information has to be provided –

1. Name of the beneficiary
2. Bank name and full address
3. Account No. of the beneficiary
4. SWIFT Code of the bank
5. Routing No.
6. Corresponding bank name

Bidders should invariably provide the following particulars along with their offers:

1. Name & Complete Address of the Supplier / Contractor as per Bank records.
2. Name & Complete Address of the Bank with Branch details.
3. Type of Bank account (Current / Savings/Cash Credit).
4. Bank Account Number (indicate 'Core Bank Account Number', if any).
5. IFSC / NEFT Code (11 digit code) / MICR code, as applicable, along with a cancelled cheque leaf.
6. Permanent Account Number (PAN) under Income Tax Act.
7. E-mail address of the vendor / authorized official (for receiving the updates on status of payments).
8. Confirmation as to whether the bidder belong to the category of Micro, Small and Medium Enterprises as defined in the "Micro, Small and Medium Enterprises Development Act, 2006 (MSMEDA)". If yes, specify the category of Micro, Small or Medium Enterprises and whether the enterprise is in manufacturing or service industry, along with valid documentary evidence.

For receiving payment through NEFT / RTGS, the bank/branch in which the bidder is having account and intends to have the payment should be either an NEFT enabled bank or SBI branch with core banking facility.

**12.1 Particulars to be furnished by foreign bidders (non-residents as per Income Tax Act, 1961):**

Foreign bidders should invariably submit (along with their bid) the following particulars, which are required to be furnished by NCAOR to Income Tax Department for complying with the requirements for making remittances to non-residents as per Income Tax Act, 1961 (as amended from time to time).

- (i) Whether the non-resident has a Fixed Place Permanent Establishment (PE) or a Dependent Agency PE in India, in terms of the Double Taxation Avoidance Agreement (DTAA) between India and his country of tax residence through which the non-resident carries on business activities in relation to its engagement by NCAOR and if, yes, address of the Fixed Place PE or name & address of the Dependent Agent?
- (ii) Whether by carrying on activities in relation to its engagement by NCAOR, the non-resident constitutes an Installation/Construction PE or a Service PE in India in terms of the DTAA between India and his country of tax residence?
- (iii) If the non-resident has PE in India, whether the remittances to be made to him under his engagement by NCAOR are attributable to such PE?
- (iv) If the remittances to be made to the non-resident under his engagement by NCAOR are attributable to a PE which it has in India, what quantum of the profits resulting to the non-resident from his engagement by NCAOR, can be said to be attributable to the role played by the PE, and the basis of arriving at such quantum?
- (v) If no part of the remittances to be made to the non-resident under his engagement by NCAOR is attributable to a PE which it has in India, what are the reasons for the same?
- (vi) Non-resident's complete address (not necessarily in India).
- (vii) If the non-resident has an Indian Income Tax Permanent Account Number (PAN), Please specify the PAN number with all the relevant details.
- (viii) Country of tax residence of the non-resident supported by a Tax Residency Certificate from the tax authorities of that country or the non-resident's own certificate (only if it is not possible for the non-resident to obtain & submit Tax Residency Certificate to NCAOR within a reasonable time).
- (ix) Country, which can be called the non-resident's principal place of business. This could be the same as his country of tax residence or different depending on facts.
- (x) Non-resident's e-mail address.
- (xi) Non-resident's phone number with International Dialing code.
- (xii) Whether the non-resident is constituted as a company, a partnership firm, or any other form of business organization.

In addition to above particulars, the bidder should also provide any other information as may be required later for determining the taxability of the amount to be remitted to the non-resident. Further, the bidder shall be liable to intimate the subsequent changes (if any) to the information submitted against any of the above particulars, alongwith full details.

### **13.0 CUSTOMS DUTIES/EXCISE DUTY/ SALES TAX**

13.1 The custom duty in regard to import of rigs (if applicable) and import of any material by the bidder is the responsibility of bidder and to be borne by bidder itself. NCAOR is not liable to pay any custom duty or concessional custom duty.

13.2 As the above statutory provisions are frequently reviewed by the Govt., the bidders are advised to check the latest position in their own interest and NCAOR will not bear any responsibilities for any incorrect assessment of the statutory levies by any bidder.

**14.0 VAGUE AND INDEFINITE EXPRESSIONS**

14.1 Bids qualified by vague and indefinite expressions will not be considered.

**15.0 AGENT/ REPRESENTATIVE**

15.1 NCAOR would prefer to deal directly with the service providers/ bidders abroad but in case they decide to have their Agent/Representative in India and pay commission not more than 2% of the quoted price. The commission, if any, should be inclusive of the total quoted price. Payment to Indian agent, if any, will be made deducting from the quoted price. If no such agent / representative are involved, the same should be explicitly stated in the techno-commercial bid for their services and the principal would have to certify that such a commission is commensurate with the services rendered to them by such an Agent / Representative in India. The principal will also have to broadly list out such services to be rendered by the Agent/ Representative in India.

15.2 In the event bidder is having Agent/Representative/servicing facilities in India (who is not an employee of the bidder) the bidder should indicate in their offer the name of such an Agent / Representative, they have for services in India. The bidder must also indicate clearly the commission payable to the Agent/ Representative in rupees in terms of Agreement (enclosing copy of the same). The bidder, in his bid will indicate the nature and extent of service to be provided by such an Agent/ Representative on behalf of the bidder and also remuneration therefore provided in the price, as a separate item, quoted by the bidder to NCAOR. Such remuneration / commission will be paid by NCAOR in non-convertible Indian currency in India. Should it be established at any subsequent point of time that the above statement of the bidder is not correct or that any other amount of remuneration / commission either in India or abroad is being paid to any one (who is not an employee of the bidder), the bidder would be liable to be debarred from participating in the future tenders of NCAOR. Failure to give such information will lead to rejection of the offer.

The following particulars will also be furnished by the bidder:

- (i) The precise relationship between the foreign manufacturer/ principal and their Agent / Representative in India.
- (ii) The mutual interest which the Service provider and the Agent Representative in India have in the business of each other.
- (iii) Any payment which the Agent/ Representative receives in India or abroad from the service provider whether as a commission for the contract or as a general retainer fee.
- (iv) Permanent Income Tax account number of Agent/ Representative in India.
- (v) Permanent income tax account number of foreign supplier.
- (vi) All services to be rendered by the Agent/Representative.

Note: Tenders that do not comply with the above stipulations are liable to be ignored.

15.3 Agent/Representative of the overseas service provider are permitted to purchase bidding documents and attend bid opening provided such an Agent / Representative has a power of attorney/letter of authority setting out very clearly his role, which will be limited to such areas of activity as purchase of bidding documents, attending of bid opening and claiming of payment for their services, provided further that such a power of attorney/letter of authority is submitted to NCAOR in advance for scrutiny and acceptance or otherwise.

**16.0 PERIOD OF VALIDITY OF BIDS**

16.1 The Bid shall be valid for acceptance for the period as indicated in the "Invitation for Bid" (hereinafter referred to as validity period) and shall not be withdrawn on or after the opening of bids till the expiration of the validity period or any extension agreed thereof.

16.2 In exceptional circumstances, prior to expiry of the original bid validity period, the NCAOR may request the bidder for a specified extension in the period of validity. The requests and the responses shall be made in writing. The Bidder will undertake not to vary/modify the bid during the validity period or any extension agreed thereof. Bidder agreeing to the request for extension of validity of offer shall be required to extend the validity of Bid Security correspondingly.

**17.0 BID SECURITY**

**The bid security amount is Rs 50 Lakhs (Rupees Fifty Lakhs) or USD 80,000/- (US Dollars Eighty Thousand)**

17.1 The Bid Security is required to protect the NCAOR against the risk of Bidder's conduct which would warrant the security's forfeiture in pursuance to clause 17.7.

17.2 In case of extension of Bid beyond 120 days, the bank guarantee for the Bid security should be extended for the extended period. Central Government Departments and Central Public Sector Undertakings are exempted from payment of Bid Security. MSEs units (and not their dealers/distributors) which are themselves registered with District Industry Centers or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts and Handloom or any other body specified by Ministry of MSME are also exempted from payment of Bid Security irrespective of monetary limit mentioned in their registration certificate provided they are registered for the Services they intend to quote.

17.3 The Bidders not covered under Para 17.2 above must enclose Bid security with their Techno-commercial bid security.

17.4 The Bid Security shall be acceptable in any of the following forms:

i) Bank Demand Draft for Rupees 50,00,000 (Rupees Fifty Lakhs) drawn on NCAOR Payable at Goa on Schedule A bank in India (DD should be obtained after the issue of Tender).

ii) Bid Security for Rupees 50,00,000 (Rupees Fifty Lakhs) or USD 80,000 (US Dollars Eighty Thousand) to be provided in the form of Bank Guarantee. Bank Guarantee in the prescribed format as per Appendix 4 of Annexure-I, valid for 30 days beyond the date of required validity of offer. The bank guarantee by Indian bidder will have to be given from the Scheduled - A banks only, on non-judicial stamp paper / franking receipt as per stamp duty applicable at the place from where the bid has emanated. The non-judicial stamp paper / franking receipt should be either in the name of the issuing bank or the bidder. The Foreign bidder may provide the bank guarantee from foreign bank having its operational branch in India. The Bank Guarantee enumerated in the tender should be provided through SWIFT message as per NCAOR text to be forwarded to:

State Bank of India, Commercial Branch, Vasco Da Gama, Goa  
SWIFT CODE SBININBB229  
Bank Branch Code 04116

(iii) The foreign bidder should provide the bid security in the form of bank guarantee only.

17.5 NCAOR shall not be liable to pay any bank charges, commission or interest on the amount of Bid Security.

17.6 Subject to provisions in para 17.2 above, offers without Bid Security will be ignored.

- 17.7 The 100% of Bid Security shall be forfeited by NCAOR in the following events:
- a) If Bid is withdrawn during the validity period or any extension thereof duly agreed by the Bidder.
  - b) If Bid is varied or modified in a manner not acceptable to NCAOR during the validity period or any extension of the validity duly agreed by the Bidder.
  - c) If a Bidder, having been notified of the acceptance of its bid, fails to furnish Security Deposit / Performance Bank Guarantee (Performance Security) within 15 days of notification of such acceptance.
  - d) If the Bidder has been disqualified from the tender process prior to the award of contract NCAOR shall be entitled to demand and recover from bidder Liquidated damages amount by forfeiting 100% EMD/ Bid security (Bid Bond).
- 17.8 The Bid Security of unsuccessful Bidders will be returned on finalization of the bid. The Bid Security of successful bidder will be returned on receipt of Security Deposit/ Performance Bond (Performance Security).
- 17.9 **Offers with Fax Bid Bonds**
- Normally offers received along with Fax Bid Bond shall not be considered. However, NCAOR reserves the right to consider the offer, provided it is followed by confirmatory original Bid Bond executed in prescribed proforma and legally operative on or before the date fixed for opening of bids (techno-commercial bid opening date in case of Two Bid System) and received by tender inviting authority within 4 calendar days, from Indian bidders, after opening date of bids (techno-commercial bid opening date in case of Two Bid System), If Bidder fails to submit original Bid Bond with the same content as in Fax Bid Bond and in accordance with bidding document, irrespective of their status/ranking in tender, the bid will be rejected and NCAOR may consider to debar the Bidder from participating against its future tenders.
- 18.0 **DEADLINE FOR SUBMISSION OF BIDS**
- 18.1 The duly completed bid may be 'submitted' any time before the submission deadline is reached.
- 18.2 No bid can be submitted after the submission deadline is reached.
- 19.0 **LATE BIDS**
- 19.1 Bidders are advised in their own interest to ensure that the bids are submitted well before the closing date and time of the bid.
- 20.0 **MODIFICATION AND WITHDRAWAL OF BIDS**
- 20.1 No bid may be modified after the dead line for submission of bids.
- 21.0 **OPENING OF BIDS**
- 21.1 The Techno-Commercial bid will be opened at 1500 Hrs. (IST). The Bidder or his authorized representative may be present at the time of opening of bid on the specified date, but a letter in the form annexed at Appendix- 7 hereto must be forwarded to this office along with bid and a copy of this letter must be produced in the office by the person attending the opening of bid. Unless he presents this letter, he may not be allowed to attend the opening of bid.
- 21.2 In case of unscheduled holiday on the closing/opening day of bid, the closing / opening date shall be re-fixed to next working day; the time notified remaining the same.

**E. EVALUATION OF BIDS**

**22.0 EVALUATION AND COMPARISON OF BIDS**

22.1 Evaluation and comparison of bids will be done as per provisions of Bid Evaluation Criteria at **Annexure-V**.

**22.2 CLARIFICATIONS OF BIDS:**

22.2.1 During evaluation of bids, NCAOR may at its discretion ask the Bidder for clarifications/ confirmations/ deficient documents of its bid. The request for clarification and the response shall be in writing and no change in the price of substance of the bid shall be sought or permitted. Any one or more of the following modes shall be considered as binding on the bidder for seeking clarifications/ confirmations/ deficient documents of its bid: -

By Facsimile *or* By Post *or* By E-Mail.

**23.0 UNSOLICITED POST TENDER MODIFICATIONS:**

23.1 Unsolicited post-tender modification will lead to straightaway rejection of the offer.

23.2 In case certain clarifications are sought by NCAOR after opening of bid then the reply of the Bidder should be restricted to the clarification sought. Any bidder who modifies his bid (including all modifications which have the effect of altering his offer) after the closing date, without any specific reference by NCAOR, shall render his bid liable to be ignored and rejected without notice and without reference to the bidder.

**24.0 EXAMINATION OF BID**

24.1 The NCAOR will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed and whether the bids are generally in order.

24.2 The NCAOR will determine the conformity of each bid to the bidding documents. Bids falling under the purview of "Rejection Criteria" of the bid Evaluation Criteria of the bidding document will be rejected.

**25.0 SPECIFICATIONS:**

25.1 The Bidder must note that its Bid will be rejected in case the tender stipulations are not complied with strictly or the services offered do not conform to the required specifications indicated therein. The lowest Bid will be determined from among those Bids which are in full conformity with the required specifications.

**26.0 CONVERSION TO SINGLE CURRENCY**

For the purpose of comparative evaluation, the quoted international tradable currency component will be converted to Indian Currency at the bill selling rate of SBI (State Bank of India), Vasco Da Gama, Goa prevailing on the date of opening of Price bid.

**27. CONTACTING NCAOR**

No bidder shall contact NCAOR on any matter relating to its bid, from the time of the opening to the time the contract is awarded.

## F. AWARD OF CONTRACT

### 28.0 AWARD CRITERIA.

The NCAOR will award the contract to the successful bidder whose bid has been determined to be in full conformity to the bid documents and has been determined as the lowest evaluated bid.

### 29. NCAOR'S RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS.

29.1 NCAOR reserves the right to reject, accept or prefer any bid 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 or Bidders of the ground for NCAOR's action. The NCAOR also reserves to itself the right to accept any bid in part or split the order between two or more bidders.

#### 1. NOTIFICATION OF AWARD (NOA) / LETTER OF AWARD (LOA)

30.1 Prior to the expiration of the period of bid validity, the NCAOR will notify the successful bidder in writing that its bid has been accepted. Any one or more of the following modes shall be considered as binding on the bidder (Contractor) for notifying the acceptance of Bid:

-

By Facsimile *or* By Post *or* By E-Mail.

30.2 The notification of award / letter of award will constitute the formation of the contract.

30.3 Upon the successful bidder's furnishing performance security, pursuant to clause 35, the contract shall be signed between the parties as per clause 34.0

### 31.0 MOBILISATION PERIOD

Successful bidder shall be required to mobilize complete Rigs and equipment along with crew, duly inspected by 3<sup>rd</sup> Party Inspection Agency and accepted by NCAOR for commencement of services at the specified location within 120 days (as per BEC) from the date of Letter of Award (LOA).

### 32.0 SIGNING OF CONTRACT

32.1 The successful bidder is required to sign a formal detailed contract with NCAOR within a maximum period of **30** days of date of Fax order / LOA / NOA. Until the contract is signed, the Fax order/ LOA /NOA shall remain binding amongst the two parties. In case of delay in signing the contract on the part of NCAOR, contractor shall be paid 70% of the Milestone payment falling due as per the contractual obligations on adhoc basis, till formal signing of the contract, after which the balance of due payments shall be released / adjusted against regular bills. However no payment will be made and mobilization will not be deemed completed, when the delay is on the part of the contractor to sign the contract, as per draft contract at Annexure-II of the tender.

### 33.0 PERFORMANCE SECURITY

33.1 Within 15 (fifteen) days from the date of issue of LOA/NOA by NCAOR, the successful Bidder shall furnish the Performance Security in accordance with the conditions of the contract, in the Performance Security Form provided at Appendix 1 of Annexure-II of the bidding documents.

33.2 Failure of the successful Bidder to comply with the requirement of clause 35.1 above shall constitute sufficient grounds for the annulment of the award and forfeiture of 100% of the bid security as per clause 17.7(c).

33.3 The Performance Guarantee will be returned within 60 days of completion of contract in all respect/delivery period as per contract.

**34.0 CORRESPONDENCE**

34.1 Director NCAOR, Headland sada, Vasco-da-Gama Goa- 403804, GOA, INDIA

34.2 All correspondence from Bidders / contractor shall be made to the office of the Director NCAOR from where this tender has emanated.

34.3 All correspondence shall bear reference to bid number.

**35.0 REPRESENTATION FROM THE BIDDER:**

The bidder(s) can submit representation(s) if any, in connection with the processing of the tender directly only to Director, NCAORHeadlandsada, Vasco-da-Gama Goa- 403804, GOA, INDIA.

**36.0 UNSOLICITED COMMUNICATIONS:**

In case any bidder makes any unsolicited communication in any manner, after bids have been opened, the bid submitted by the particular bidder shall be summarily rejected, irrespective of the circumstances for such unsolicited communication.

Further, if the tender has to be closed because of such rejection, and the job has to be re-tendered, then the particular bidder shall not be allowed to bid in the re-tender.

The above provision will not prevent any bidder from making representation in connection with processing of tender directly and only to the Director NCAOR as mentioned in the tender document. However, if such representation is found by Director NCAOR to be unsubstantiated and / or frivolous and if the tender has to be closed because of the delays / disruptions caused by such representations and the job has to be re-tendered, then such bidder will not be allowed to participate in the re-invited tender.

In case, any bidder while making such representations to Director NCAOR also involves other officials of NCAOR and / or solicits / invokes external intervention other than as may be permitted under the law and if the tender has to be closed because of the delays / disruptions caused by such interventions and has to be re-tendered, then the particular bidder will not be allowed to participate in the re-invited tender.

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**BIDDING DOCUMENT ACKNOWLEDGEMENT PROFORMA**

Dated:.....

**Director NCAOR,  
National Centre for Antarctic & Ocean Research  
Earth System Science Organization  
Headland Sada, Vasco-da-Gama  
Goa- 403804, GOA, INDIA**

Dear Sirs,

**We hereby acknowledge receipt of a complete set of Bidding Documents consisting of Six Annexures (along with their Appendices) enclosed to the "Invitation for Bid" pertaining to Hiring of 01 No. of suitable drilling rig of adequate capacity to drill vertical pilot hole of 3000m with the maximum inclination of 3 degrees along with mud services, cementing services, METP services, mud logging services, wireline logging services in Koyna region, Maharashtra state.  
Tender No. NCAOR/BGRL-KOYNA3km/01/2015.**

We have noted that the closing date for receipt of the tender by NCAOR is 30.06.2015 at 1700 hrs. (IST) and opening at 1100 hrs. (IST) on the next working day.

We guarantee that the contents of the above said Bidding Documents will be kept confidential within our organization and text of the said documents shall remain the property of NCAOR and that the said documents are to be used only for the purpose intended by NCAOR.

Our address for further correspondence on this tender will be as under:

.....  
.....  
.....

**E-Mail:  
Fax No.:  
TELEPHONE No.:  
Mobile No.:  
PERSONAL ATTENTION OF:  
(IF REQUIRED)**

Yours faithfully,

**(BIDDER)**

Note: This form should be returned along with offer duly signed

Tender No. **NCAOR/BGRL-KOYNA3km/01/2015**

Contractor's Address: \_\_\_\_\_

Telephone No.

Fax No.:

**Director NCAOR,  
National Centre for Antarctic & Ocean Research  
Earth System Science Organization  
Headland sada, Vasco-da-Gama  
Goa- 403804, GOA, INDIA**

Dear Sirs,

1. I/We hereby offer to supply the services detailed in schedule hereto or such portion thereof as you specify in the "Acceptance of Tender" at the price given in the said schedule and agree to hold this offer open till \_\_\_\_\_.
2. I/We have understood and complied with the "Instructions to Bidders" at Annexure - I, "Bid Evaluation Criteria" at Annexure-V and accepted the "Drilling Agreement with General Terms and Conditions" at Annexure-II for providing services and have thoroughly examined and complied with the specifications, drawings, Special Conditions of Contract and/or pattern stipulated at Annexure-III hereto and am/are fully aware of the nature of the service required and my/our offer is to provide services strictly in accordance with the requirements.
3. The following pages have been added to and form part of this tender:-
4. Agreement at Appendix 3 on purchase of Bidding documents and submission of Tender has been duly signed and returned herewith.

Yours faithfully,

Signature of Bidder  
Address  
Dated

Signature of witness  
Address

Note: This form should be returned along with offer duly signed.

**AGREEMENT**

No.

Dated

To,  
**Director NCAOR,  
National Centre for Antarctic & Ocean Research  
Earth System Science Organization  
Headland sada, Vasco-da-Gama  
Goa- 403804, GOA, INDIA**

Sub: **PURCHASE OF BIDDING DOCUMENTS**

Ref: **TENDER No.NCAOR/BGRL-KOYNA3km/01/2015**

NCAOR and the Bidder agree that the Notice Inviting Tenders (NIT) is an offer made on the condition that the bid would be kept open in its original form without variation or modification for a period of 120 days (state the number of days from the last date for the receipt of tenders stated in the NIT) days and the making of the bid shall be regarded as an unconditional and absolute acceptance of this condition of the NIT. They agree that the contract consisting of the above conditions of NIT as the offer and the submission of Bid as the Acceptance shall be separate and distinct from the contract which will come into existence when bid is finally accepted by NCAOR. The consideration for this separate initial contract preceding the main contract is that NCAOR is not agreeable to sell the NIT to the Bidder and to consider the bid to be made except on the condition that the bid shall be kept open for 120 days after the last date fixed for the receipt of the bids and the Bidder desires to make a bid on this condition and after entering into this separate initial contract with NCAOR. NCAOR promises to consider the bid on this condition and the Bidder agrees to keep the bid open for the required period. These reciprocal promises form the consideration for this separate initial contract between the parties.

If Bidder fails to honour the above terms and conditions, NCAOR shall have unqualified, absolute and unfettered right to encash / forfeit the bid security submitted in this behalf.

Yours faithfully

Yours faithfully

**(BIDDER)**

**(NCAOR)**

**(One copy of this agreement duly signed must be returned along with offer.)**

## PROFORMA OF BANK GUARANTEE TOWARDS BID SECURITY / BID BOND

Ref. No.....

Bank Guarantee No.....

Dated.....

To,  
**Director NCAOR,**  
**National Centre for Antarctic & Ocean Research**  
**Earth System Science Organization**  
**Headland sada, Vasco-da-Gama**  
**Goa- 403804, GOA, INDIA**

Dear Sirs,

1. Whereas National Centre for Antarctic & Ocean Research, having its Registered Office at Headlandsada, Vasco-da-Gama Goa- 403804, GOA, INDIA , India (hereinafter called 'NCAOR' which expression shall unless repugnant to the context or meaning thereof include all its successors, administrators, executors and assignees) has floated a Tender **NCAOR/BGRL-KOYNA3km/01/2015** and M/s. \_\_\_\_\_ having Head/Registered office at \_\_\_\_\_ (hereinafter called the 'Bidder' which expression shall unless repugnant to the context or meaning thereof mean and include all its successors, administrators, executors and permitted assignees) have submitted a bid Reference No..... and bidder having agreed to furnish as a condition precedent for participation in the said tender an unconditional and irrevocable Bank Guarantee of Indian Rupees/US Dollars (in figures) \_\_\_\_\_ (Indian Rupees / US Dollars (in words) \_\_\_\_\_ only) for the due performance of Bidder's obligations as contained in the terms of the Notice Inviting Tender (NIT) and other terms and conditions contained in the Bidding documents supplied by NCAOR which amount is liable to be forfeited on the happening of any contingencies mentioned in said documents.
2. We (name of the bank) \_\_\_\_\_ registered under the laws of \_\_\_\_\_ having head/registered office at \_\_\_\_\_ (hereinafter referred to as "the Bank" which expression shall, unless repugnant to the context or meaning thereof, include all its successors, administrators, executors and permitted assignees) guarantee and undertake to pay immediately on first demand by NCAOR, the amount of Indian Rs. / US\$ (in figures) \_\_\_\_\_ (Indian Rupees/ US Dollars (in words) \_\_\_\_\_ only) in aggregate at any time without any demur and recourse, and without NCAOR having to substantiate the demand. Any such demand made by NCAOR shall be conclusive and binding on the Bank irrespective of any dispute or difference raised by the Bidder.  
 This Bank Guarantee will be applicable for extended period of Bid Validity, if permitted by NCAOR.  
 If the tenderer withdraws or amends, impairs or derogates from his bid in any respect within the period of validity of this tender.  
 If the tenderer having been notified of the acceptance of his bid by NCAOR during the period of its validity and
  - a) If the tenderer fails to furnish the performance security for the due performance of the contract,
  - b) If the tenderer fails or refuses to execute the contract.
  - c) Refusal to extend the bid security and bid validity as asked for by the owner.
3. The Bank confirms that this guarantee has been issued with observance of appropriate laws of the country of issue.

4. The Bank also agree that this guarantee shall be irrevocable and governed and construed in accordance with Indian Laws and subject to exclusive jurisdiction of Indian Courts of the place from where tenders have been invited.
5. This guarantee shall be irrevocable and shall remain in force up to \_\_\_\_\_, which includes thirty days after the period of bid validity, and any demand in respect thereof should reach the Bank not later than the aforesaid date.
6. Notwithstanding anything contained hereinabove, our liability under this Guarantee is limited to Indian Rs. /US\$ (in figures) \_\_\_\_\_ (Indian Rupees/US Dollars (in words) \_\_\_\_\_ only) and our guarantee shall remain in force until (indicate the date of expiry of bank guarantee) \_\_\_\_\_.

Any claim under this Guarantee must be received by us before the expiry of this Bank Guarantee. If no such claim has been received by us by the said date, the rights of NCAOR under this Guarantee will cease. However, if we have received such a claim by the said date, all the rights of NCAOR under this Guarantee shall be valid and shall not cease until we have satisfied that claim. In witness whereof, the Bank, through its authorized officer, has set its hand and stamp on this .....day of ..... at.....

\_\_\_\_\_  
(Signature)

Full name: - \_\_\_\_\_

Designation: - \_\_\_\_\_

Official Address (in legible letters) with Bank Stamp: -  
\_\_\_\_\_

**Telephone no. of Issuing Bank:** \_\_\_\_\_

**Fax no. of Issuing Bank:** \_\_\_\_\_

This Bank Guarantee/all further communications relating to the Bank Guarantee should be forwarded to:

Director,  
National Centre for Antarctic & Ocean Research,  
Earth System Science Organization  
Headland sada,  
Vasco-da-Gama  
Goa- 403804, GOA, INDIA only.

**Note:**

**Original Bank guarantee, duly executed as per the above format, is to be enclosed with the Techno-Commercial Bid, indicating the complete postal address, e-mail ID, correct and operational Telephone No & Fax No of issuing bank.**

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## INSTRUCTIONS FOR FURNISHING BANK GUARANTEE TOWARDS BID SECURITY

1. The Bank Guarantee by Indian Bidders will be given on Rs. 100 non-judicial stamp paper/franking receipt. The non-judicial stamp paper/franking receipt should be either in name of the issuing Bank or the bidder.
  2. Foreign Bidders are requested to execute Bank Guarantee as per law in their country.
  3. Please indicate the currency in which Bank Guarantee is being given. Indian Rupees/US\$ have been mentioned only for illustration. Therefore, in case where Bank Guarantee is being given in a currency other than Rupees/US\$, these terms may be deleted and replaced by relevant currency. The Bank Guarantee enumerated in the tender should be provided through SWIFT message as per NCAOR text to be forwarded to: State Bank of India, Commercial Branch, Vasco Da Gama, Goa  
SWIFT CODE SBININBB229  
Bank Branch Code 04116
  4. The expiry date as mentioned in clause 5 should be arrived at by adding 30 days to the date of expiry of the bid validity unless otherwise specified in the bidding documents.
  5. **(a)** Bid Security for Rupees 50,00,000 (Rupees Fifty Lakhs) or USD 80,000 (US Dollars Eighty Thousand) to be provided in the form of Bank Guarantee. Bank Guarantee in the prescribed format as per Appendix 4 of Annexure-I, valid for 30 days beyond the date of required validity of offer. The bank guarantee by Indian bidder will have to be given from the Scheduled - A banks only, on non-judicial stamp paper / franking receipt as per stamp duty applicable at the place from where the bid has emanated. The non-judicial stamp paper / franking receipt should be either in the name of the issuing bank or the bidder. The Foreign bidder may provide the bank guarantee from foreign bank having its operational branch in India. The Bank Guarantee enumerated in the tender should be provided through SWIFT message as per NCAOR text to be forwarded to: State Bank of India, Commercial Branch, Vasco Da Gama, Goa  
SWIFT CODE SBININBB229  
Bank Branch Code 04116.
- (b) The foreign bidder should provide the bid security in the form of bank guarantee only.

**CHECK LIST**

The bidders are advised in their own interest to ensure that the following points/aspects in particular have been complied with in their offer failing which the offer is liable to be rejected.

1. Please tick whichever is applicable and cross whichever is/are not applicable.
2. Please sign each sheet.
3. The check-list duly filled in must be returned along with the offer.

**COMMERCIAL  
GROUP 'A'**

- 1.1 Whether requisite tender fee has been paid?  
  
Yes                      No
  
- 2.1 Whether Bank Draft/Bank Guarantee/Banker's cheque for the earnest money has been enclosed with the offer?  
  
Yes                      No
  
- 2.2 If so furnish the following:-
  - (i) Name of the Bank
  - (ii) Value
  - (iii) Number
  - (iv) Date of issue
  - (v) Period of validity of the Bank Draft/Bank Guarantee.  
(The validity of Bank Draft should not be less than 180 days):
  
3. Have the rates, prices and totals, etc. been checked thoroughly before signing the tender?  
  
Yes      No
  
4. Has the bidder's past experience proforma (Appendix-6) been carefully filled and enclosed with the offer?  
  
Yes      No
  
5. Whether firm prices have been quoted exactly as per the price bid format?  
  
Yes      No
  
6. Whether rates have been quoted exactly as per the price bid format?  
  
Yes                      No
  
7. Whether the offer has been signed indicating full name and clearly showing as to whether it has been signed as  
  
Secretary                      Manager                      Partner
  
8. If the Bidder is seeking business with NCAOR for the first time, has he given the details of the parties to whom the offered items/services have been provided in past along with their performance report?

- |     |  |    |
|-----|--|----|
|     | Yes  | No |
| 9.  | Are the pages of the offer consecutively numbered and an indication given on the front page of the offer as to how many pages are contained in the offer ? |    |
|     | Yes  | No |
| 10. | Has the offer been prepared in sufficient details/ clarity so as to avoid post-tender opening clarifications/ amendments?                                  |    |
|     | Yes  | No |
| 11. | Whether all the clauses of the bidding document are accepted?  |    |
|     | Yes  | No |
| 12. | Confirm that all documents required in techno-commercial bid without prices are placed.  |    |
|     | Yes  | No |
| 13. | Confirm that bid and all documents are signed.   |    |
|     | Yes  | No |
| 14. | In a priced bid envelop no documents other than the price bid as per price format is placed.   |    |
|     | Yes  | No |

**Signature of the Bidder**

**GROUP 'B'**  
**(Applicable to foreign bidders only)**

1. Whether Bidder has Agent/Representative in India and if so whether the Bidder has indicated in the offer the commission/amount payable to him and scope of services to be rendered by him?

Yes                      No                      Not applicable

2. Whether the Bidder has enclosed with the offer/already sent to NCAOR an authority letter/Agreement of his Agent/Representative in India spelling out clearly therein the scope of functions and services to be rendered by him and the commission/remuneration to be paid to him in rupees in terms of above referred Agreement on his behalf ?

Yes                      No                      Not applicable

**Signature of the Bidder**

\*\*\*\*\*

**BIDDERS PAST SERVICES (SIMILAR) PROFORMA**

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<b>SL.NO.</b>	<b>NAME &amp; ADDRESS OF CLIENT</b>	<b>PERIOD FROM TO</b>	<b>DESCRIPTION OF SEVICES COMPLETED SUCCESSFULLY</b>	<b>REMARKS</b>
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NOTE: - CERTIFICATE FROM CLIENTS TO BE ENCLOSED ALONGWITH THIS PROFORMA

Signature of the Bidder

\_\_\_\_\_

Name\_\_\_\_\_

\_\_\_\_\_

Seal of the Company

\_\_\_\_\_

**AUTHORISATION LETTER FOR ATTENDING TENDER OPENING**

NO.

Date \_\_\_\_\_

To,

**Director,  
National Centre for Antarctic & Ocean Research  
Earth System Science Organization  
Headland sada, Vasco-da-Gama  
Goa- 403804, GOA, INDIA**

Subject: **Tender No.NCAOR/BGRL-KOYNA3km/01/2015due on \_\_\_\_\_**

Sir,

Mr..... has been authorized to be present at the time of opening of above tender due on..... at ....., on my/our behalf.

Yours faithfully

Signature of Bidder

**Copy to:** Mr.....for information and for production before the \_\_\_\_\_ (MM)\_\_\_\_ at the time of opening of bids.

**ANNEXURE – II**

**DRILLING AGREEMENT**

**WITH**

**GENERAL TERMS AND CONDITIONS**

**DRILLING AGREEMENT WITH GENERAL TERMS AND CONDITIONS**

**THIS AGREEMENT**, made and entered into \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_, between

**National Centre for Antarctic & Ocean Research**, Ministry of Earth Sciences, Govt. of India having its Registered office at Headland sada, Vasco-da-Gama, Goa- 403804, GOA, INDIA ,(hereinafter referred to as '**OPERATOR**', which expression shall include its successors and assignees) on the one part

**AND**

M/s. \_\_\_\_\_ a Company organised and existing under the laws of Company's Act 1956 and having its registered office at \_\_\_\_\_ (hereinafter referred to as '**CONTRACTOR**', which expression shall include its successors and permitted assignees) on the other part.

**WITNESSETH**

WHEREAS, Operator desires to have drilling operations conducted in Koyna, Maharashtra of India, as may be designated by Operator, AND WHEREAS, Contractor is owner of " \_\_\_\_\_ " (hereinafter referred to as "**Drilling Unit**") and willing to perform such drilling operations on charter hire basis with Drilling Unit and its personnel as per Annexure - \_\_\_\_\_

**OR**

Contractor has taken on lease the Rig \_\_\_\_\_ (hereinafter referred to as 'Drilling Unit') from \_\_\_\_\_ or \_\_\_\_\_ years sufficient to cover the duration of this agreement and willing to perform such drilling operations with the Drilling Unit and its personnel as per Annexure '**III**'. Contractor undertakes to get the lease period extended if the Agreement is extended to perform the drilling operations during the extended period.

Whereas, the Contractor confirms that it has the approval No..... dated..... of the Government of India permitting it to enter into a Joint Venture for rendering Onshore drilling services in India and whereas the Contractor has entered into an Agreement with ..... on ..... (Copy enclosed at Annexure.....) and this Agreement is subsisting and is valid up to..... i.e. covering the primary term of this Agreement for providing sufficient technical/management back up support for drilling operations under this Agreement.

NOW THEREFORE, in consideration of the mutual covenants and agreements hereinafter provided, it is hereby agreed as follows:-

**1.0 TERM****1.1 COMMENCEMENT DATE**

This Agreement is effective as of \_\_\_\_\_ (i.e. date of issue of firm Letter of Award of Contract by Operator) and shall commence when the Drilling Rig & Equipment and its personnel is fully rigged up at drilling site, and is ready for commencement of Drilling Operation at the Well designated by Operator, with the objective of continued Rig operation thereafter.

## **1.2 EXPIRY DATE**

This Agreement shall come to an end primarily after completion of the well. However an indicative duration of one year from the commencement date of contract will be considered.

The contract shall stand automatically extended on same rates, terms and conditions with no change to the contract value, to cover the time necessary to complete or abandon, to the satisfaction of NCAOR, the Well(s)-in-progress at the end of the term of the contract.

## **1.3 DURATION**

- (a) This Agreement shall initially be for a firm period, for drilling one well of 3000 m depth as per details given in the Bid Evaluation Criteria, from commencement date, i.e., commencement of drilling (spudding date). If the well is completed before the expiry of the contract, the contract will be automatically terminated on the date of completion of the well and after giving demobilization notice to the contractor.
- (b) The Agreement will be automatically extended, under the same rates, terms and conditions to cover the time necessary to complete or abandon, to the satisfaction of Operator, the well(s)-in-progress at the end of the Primary Term of the Agreement.
- (c) Operator shall have the option to terminate this Agreement, at any time during last thirty (30) days before the expiry date of the Contract.

## **1.4 LIQUIDATED DAMAGES.**

The Contractor shall deploy the Drilling Unit at the designated first drilling location nominated by Operator, to commence operations within the stipulated Mobilization Period from the date of issue of un-conditional Letter of Award of Contract.

If the Contractor fails to deploy the Drilling Unit within aforesaid period, the Operator as its sole remedy can recover from contractor as ascertained and agreed Liquidated Damages and not by way of penalty a sum equivalent to 1/2 % (Half Percent) of contract value, for each week of delay or part thereof subject to a maximum of 10% (Ten Percent). Operator shall have at any time but before Commencement Date, the right to terminate the Contract in the event Contractor fails to deploy the Drilling Unit at the drilling location within aforesaid period, without prejudice to any other clauses including LD Clause.

The parties agree that this is a genuine pre-estimate of the loss/damage which will be suffered on account of delay / breach on the part of the contractor and the said amount will be payable on demand, without there being any proof of the actual loss or damages caused by such delay/breach.

LD will be calculated on the basis of contract value, excluding duties and taxes, where such duties/taxes have been shown separately in the contract.

## **1.5 Non – Substitution of Rig (s):**

The Contractor shall mobilize the rig \_\_\_\_\_ (Name of the rig) within the stipulated mobilization period and NCAOR shall not allow substitution of the rig under any circumstances.

## **1.6 Mobilization Period:**

- 1.6.1 The Contractor shall deploy the Drilling Unit and other services, duly inspected by third party inspection (TPI) agency and accepted by NCAOR, at the specified location nominated by NCAOR, within 120 days (as per BEC) from the date of firm letter of award. Cost of TPI has to be borne by the contractor.
- 1.6.2 NCAOR shall accept the Drilling Rig only after Third Party Inspection prior to commencement of contract, at contractor's cost by any one of the following short listed agencies:

**(a)DNV (b) BV(c) ABS (d) Lloyds (e) Oilfield Audit Services Inc.**

1.6.3 If the rig is imported from outside India, NCAOR will not pay any custom duty. The custom duty has to be borne by the bidder.

1.6.4A kick off meeting will be held at Karad office within 15 days from the date of firm letter of award by NCAOR. At the kick-off meeting, the following points will be discussed.

- a) Submission of layout diagram with dimensions of the rig for taking up civil works by contractor.
- b) Detail load bearing diagram of the rig required for construction of rig foundation and drill site which are to be prepared by contractor.
- c) Submission of schedule of activities for completing the mobilization and third party inspection within the mobilization period.

After the kick off meeting, Contractor shall submit periodical report of progress of civil works or any other report as desired by NCAOR, showing progress of activities vis-à-vis the schedule.

### 1.7 **Fire Fighting Equipment**

The Contractor confirms that the Drilling Unit is equipped with basic fire-fighting equipment as required for drilling of wells as per Mines Regulations of India.

## 2.0 **DEPTH**

### 2.1 **GENERAL**

- (a) Wells should be drilled to a depth specified pursuant to this Clause 2, sub-clause 2.2 subject always to the right of Operator to direct at any time a stoppage of work at a lesser depth.
- (b) The Drilling Unit furnished by the Contractor hereunder, shall be fully equipped and adequate to drill wells in terms of agreed specifications and complete the same and carry out remedial operations thereto as specified by Operator. The Drilling Unit and all other equipment, materials, and supplies provided by Contractor, as specified or which Contractor is otherwise required to provide under the terms of this Agreement, shall be in good workable condition, and together with the personnel provided by the Contractor, as specified in Annexure (IV) shall be furnished and maintained by Contractor at its sole cost for the rates set forth in Clause 3 Contractor shall maintain the Drilling Unit in good operating condition throughout the duration of the Agreement or any extension thereof.

### 2.2 **DEPTH**

Contractor confirms that the Drilling Unit shall be capable of drilling wells up to a depth of 3000 metres.

### 2.3 **WELL DEPTH**

The depth of the well to be drilled hereunder will be specified in Operator's Drilling and Completion Programme, which Operator may amend from time to time. The depth so specified is hereunder referred to as the 'well depth'.

## 3. **COMPENSATION OF CONTRACTOR**

### 3.1 **GENERAL**

Operator agrees to pay Contractor for work performed / services rendered and material/equipment supplied and personnel furnished by Contractor, a sum at the rates specified in this Clause read in conjunction with Annexure '\_\_\_' shall be computed from and to the nearest half hour. The rates contained in this Clause are based on contractor's operations being conducted on a seven (7) days week and a twenty four (24) hours work day.

### 3.2 MOBILISATION

For mobilization of the Drilling Unit, to the wellsite, Operator shall pay the Contractor, Mobilization fee, as specified in the Schedule of Rates.

### 3.3 DEMOBILISATION

Operator shall pay the Contractor within thirty (30) days of expiry date as defined in Clause 1.2 or within 30 days of the receipt of invoice, whichever is later, a demobilization fee as indicated in the Schedule of Rates, on submission of invoice by the Contractor.

### 3.4 METER RATE

Under this Agreement, Contractor will be entitled to an applicable meter rate from the spudding of the well till the rig is released including all other associated services.

Since this is a scientific drilling experiment, there might possibly arise need for certain measurements at different depth sections which are not foreseen at this stage.

NCAOR scientific committee may insist on such measurements which may require cessation of drilling operation for short durations. The total period of such disruptions will not exceed 10 days during the contract period. The drilling contractor must enable these measurements by cooperating in terms of flushing of borehole, lowering the probes etc. using their rig at no extra cost (including idling charges) to NCAOR.

#### 3.4.1 SCHEDULE OF PAYMENT

- i. Payments for civil works to the extent of 3 percent of the contract value or the quoted amount against the civil works (Price Bid Format sr. no. 1) whichever is lower shall be made after completion of mobilization of rig (i.e. spudding of the borehole).
- ii. Payment for Mobilization charges to the extent of 1 (one) percent of the total contract value or quoted amount against the Mobilization charges (Price Bid Format sr. no. 2) whichever is lower shall be made once the well is drilled up to 500m and 13 3/8" casing is lowered and cementation thereof. (i.e. after completion of phase-1).
- iii. Payment for drilling up to 500m (i.e. phase-I) shall be made on metre rate (Price Bid Format sr. no. 3) as per the contract agreement after completion of drilling up to 1500m and lowering of 9 5/8" casing and cementation thereof. (i.e. after completion of Phase-II).
- iv. Payments for drilling from 500 to 1500m (i.e. phase-II) shall be made on metre rate (Price Bid Format sr. no. 3) as per the contract agreement after drilling up to 2250m. (i.e. after completion of Phase-III A).
- v. Payments for drilling from 1500m to 2250m (i.e. Phase-III A) shall be made on metre rate (Price Bid Format sr. no. 3) as per the contract agreement (i.e. after completion of Phase-III B).
- vi. Payments for drilling from 2250m to 3000m (i.e. Phase-III B) shall be made on metre rate (Price Bid Format sr. no. 3) as per the contract agreement after completion of testing for 10 days and before the release of rig and associated services.
- vii. Payment for De-mobilization charge to the extent of 1 (one) percent of the total contract value or quoted amount against the De-mobilization charge (Price Bid Format sr. no. 4) whichever is lower shall be made after the rig is demobilised. (Point no. 4 of Price Bid Format).
- viii. Balance payments if due against i, ii and vii, if any, admissible under the agreement shall be made within 30 days after the demobilization of the rig and restoration of the site.

### **3.5 DEFICIENCIES**

Contractor shall maintain contractor's equipment in sound and efficient operating condition all times. Should the performance of Contractor's drilling equipment becomes unsatisfactory or the general standard of performance of work hereunder be materially reduced because of defective drill pipe, drill collars, or other Contractor's furnished equipment or by reason of contractor's incompetence or negligence, Operator shall give contractor written notice specifying the causes of its dis-satisfaction to rectify the specified deficiency within 15 days failing which Operator shall have the right to terminate this Agreement by giving thirty (30) days advance written notice to the Contractor, unless the specified deficiency is rectified within such thirty (30) days period. In this event no demob fees will be payable by the Operator notwithstanding the provision contained in the Contract, Operator shall recover the mobilization charges, if any, paid in terms of clause 3.2 in case the deficiency occurs during pendency of the contract, on prorata basis for the period of performance, in addition to invoking of performance bond due to failure of the contractor in not executing the contract faithfully.

### **3.6 LOADING OF OPERATOR'S EQUIPMENT**

Operator shall mobilize all of Operator's / Operator's third party equipment to the drilling location nominated by Operator.

### **3.7 PERSONNEL MOBILISATION**

For purpose of this Agreement, the Operating Area shall be anywhere in Koyna-Warna Region, Maharashtra, India.

### **3.8 FIRM PRICE**

The rates payable under Clause 3 hereinabove, shall be firm during the primary term and any extension thereof under clause 1.3 (b) and (c) of the Agreement.

### **3.9 PERFORMANCE**

The Contractor undertakes to perform all its service under this Agreement with all reasonable skill, diligence and care in accordance with sound industry practice to the satisfaction of the operator and accepts full responsibility for the satisfactory quality of such services.

Operator shall give Contractor written notice specifying the causes of its dis-satisfaction to rectify the specified deficiency, within 15 days failing which Operator shall have the right to terminate this Agreement by giving thirty (30) days advance written notice to the Contractor, unless the specified deficiency is rectified within such thirty (30) days period.

In this event, no de-mob fees will be payable by the Operator and notwithstanding provisions contained in the contract, Operator shall recover the mobilization charges, if paid in terms of clause 3.2 on pro-rata basis for the period of performance, in addition to invoking of performance bond due to failure of the contractor in not executing the contract faithfully.

### **3.10 PERFORMANCE BOND**

The Contractor shall furnish to the Operator within fifteen days of issue of firm order an irrevocable and unconditional letter of guarantee from a Bank acceptable to the Operator for a sum equivalent of 10% of contract value. In the proformaas per Appendix – 1, Annexure- II enclosed. This irrevocable letter of guarantee shall be drawn in favour of the Operator and shall be valid up to a date 60 days (for Indian Bidder) / 120 days (for Foreign Bidder) beyond the last date of Primary Term of this Agreement or any extension thereof. In the event CONTRACTOR fails to honor any of the commitments entered into under this agreement or in respect of any amount due from Contractor to the Operator, the Operator shall have the unconditional option under the guarantee to invoke the said guarantee with

the bank and claim the amount from the bank. The bank shall be obliged to make the payment to the Operator upon demand. The Contractor further agrees to extend the period of this guarantee or to furnish a fresh guarantee if the Operator decides to extend the period of this Agreement as stated in the Clause 1.3(a), 1.3 (b) and 1.3 (c).

#### **4.0 PERSONNEL**

- (a) Contractor will at all times at its sole expense and under its exclusive responsibility arrange supervisory, technical and other personnel to properly perform the work, in the numbers and categories as set forth at Appendix-4 of Annexure III. Hereof, Operator shall be responsible for securing work permits and security passes for Contractor's employees and personnel, if required.

All of Contractor's supervisory personnel including the Manager, Tool Pusher and Driller shall be easily understandable in English language.

#### **5.0 PAYMENT**

##### **5.1 TIME OF PAYMENT**

Operator shall make payment on Schedule of Payments as described in clause 3.4.1. Under this Agreement within 30 (thirty) calendar days from the date of receipt of a clear (undisputed) invoice from Contractor, subject always to Operator's right to require Contractor to furnish it with satisfactory evidence of the validity and prior payment by Contractor of all labor and materials incurred by Contractor and charged to Operator.

Should Operator withhold any payment out of the invoice claim, it shall give reasons for withholding of such amount from the invoice.

The amount not in dispute is to be paid within the above 30 (thirty) calendar days period.

##### **5.2 INVOICE PRESENTATION**

Invoice, accompanied by copies of the original vouchers, records, receipts or other supporting evidence for the work performed or the expenses incurred, shall be presented to Operator's office as per milestone payment mode.

The original invoice should also accompany the following documents / details. An indicative list of documents is given below: -

1) Along with first invoice:

Following documents / details should be invariably furnished along with the first invoice(For civil works):

- a) Copy of valid registration certificate under the Service Tax rules.
- b) Particulars required for making payments through 'Electronic Payment Mechanism', in accordance with the clause on 'MODE OF PAYMENT' appearing in Annexure-I (i.e. 'Instructions to bidders') of bid document.
- c) Mobile No. (Optional).
- d) E-mail ID.

2) Payment of Mobilization Charges:

- a) Invoice (In accordance with the relevant Service Tax rules).
- b) Insurance policies (As applicable).
- c) Inspection report (Pre-mob, as applicable).
- d) Notification Certificate of Acceptance of Mob.
- e) Certificate of 'Commencement of operation' under this contract.

3) Schedule of Payment:

- a. Invoice (i.e. Tax invoice as per relevant Service Tax rules, in original and duplicate, clearly indicating Service Tax registration number, Service Classification, Rate and amount of Service Tax shown separately).
- b. Insurance policies and proof of payment of premium (As applicable)
- c. Details of statutory payments like EPF and ESI (As per clause 5.2.2 below), etc. (As applicable)
- d. Undertaking by the contractor regarding compliance of all statutes
- e. Certificate by the contractor stating that labor have been paid not less than minimum wages. (As applicable)
- f. Copy of Time sheet / Log Sheet /DPRs with summary.
- g. Statement of material/ consumption (incl. HSD, cement, mud chemicals, pot water, etc.).
- h. Catering Bill (Log Sheet).
- i. Any other document specifically mentioned in the Contract, or supporting documents in respect of other claims (if any), permissible under the Contract.

4) Payment towards Indian Agent Commission (IAC): NOT MORE THAN 2% of Quoted Price

- a. Invoice of IAC (stamped pre-receipted bill)
- b. Particulars required for making payments through 'Electronic Payment Mechanism', in accordance with the clause on 'MODE OF PAYMENT' appearing in Annexure-I (i.e. 'Instructions to bidders') of bid document.
- c. Payment advice (if applicable) against which IAC is claimed.
- d. E-mail ID.

5.2.1 **Particulars required before releasing payments to foreign CONTRACTOR** (non-resident as per Income Tax Act, 1961):

The particulars as per Cl. No. 12.1of Annexure-I are invariably required before releasing payments to foreign CONTRACTOR, in accordance with the requirements for making remittances to non-residents as per Income Tax Act, 1961 (as amended from time to time).

In addition to the said particulars submitted along with the bid, the CONTRACTOR should also provide any other information as may be required for determining the taxability of the amount to be remitted to the non-resident. Further, the CONTRACTOR shall be liable to intimate the subsequent changes (if any) to the information submitted against any of the said particulars, along with full details.

5.2.2 **Details of statutory payments like EPF and ESI etc.**

Wherever applicable, the Contractor (including those engaging 'International Workers') shall have itself registered under Employees' Provident Fund and Miscellaneous Provisions Act, 1952 and Employees' State Insurance Act, 1948 and follow the relevant statutory provisions including Rules made there-under concerning contractual workers. The contractor shall be required to submit the following documents/details to theNCAOR:

- (i) Duly filled in "Proforma-PFD", as per Appendix-3 of this Annexure, along with the copies of challan for payment of EPF and ESI etc.
- (ii) Copy of 'Form-12' submitted by the Contractor to the PF Commissioner regarding "statement of Contributions" on monthly basis.(Blank Format enclosed at Appendix-4)
- (iii) Copy of 'Form-6A' submitted by the Contractor to the PF Commissioner on an annual basis/ on expiry of contract. (Blank Format enclosed at Appendix-5)

NCAOR shall maintain these records and verify the deposit of statutory contribution made by the contractors with the EPFO/ESI authorities, where deemed necessary. However, before making payment of the last bill/invoice of the Contractor, the appropriate authority (i.e.

Payment Making Authority etc.) in the NCAOR, shall verify from the EPF/ESI authorities the details/status of the payment made by the Contractor. In case the information furnished by the Contractor is found to be incorrect the NCAOR shall take appropriate action against the Contractor.

**Note: Conditions for applicability of above provisions**

Above clause w.r.f. submission of details on EPF and ESI payments shall not be applicable in following types of contracts:

(a) In those Contracts wherein the services/jobs has been performed exclusively in the premises of the contractor. Certificate to the effect is to be submitted by the Contractor that services/jobs to be executed under the contract have been performed exclusively in his premises.

OR

(b) In those contracts also wherein contractor has employed only their full time regular employees for execution of the contract. Certificate to the effect is to be submitted by the contractor that for execution of the contract, no contractual labor has been employed and only full time regular employees of the contractor have been employed.

OR

(c) Fulfillment of conditions at (i) on EPF and (ii) on ESI mentioned below:

(i) Information sought in above clause pertaining to only EPF shall not be required to be submitted in those contracts wherein the contractor has employed only those of his employees whose pay exceeds Rs. 6500/- per month. Certificate to the effect is to be submitted by the contractor that for execution of the contract, the monthly wages of all employees who have been employed, exceeds to Rs. 6500/- per month.

(ii) Information sought in above clause pertaining to only ESI shall not be required to be submitted in those contracts wherein the contractor has employed only those of his employees whose pay exceeds Rs. 15000/- per month as in terms of the current provisions of the ESI Act, 1948 an employee whose monthly pay exceeds Rs. 15000/- is outside the purview of the ESI Act. Certificate to the effect is to be submitted by the contractor that for execution of the contract, the monthly wages of all employees who have been employed, exceeds to Rs. 15000/- per month. Further, ESI Act, 1948 is applicable only areas where it has been made applicable by Gazette Notification in this regard. In case a contractor falling under the provisions of the Note mentioned above does not submit the required details on EPF and ESI payments, then in that case, the Contractor shall be required to indemnify NCAOR for any liabilities arising out of declarations made by him in future on violation or provisions of the EPF Act 1952 and ESI Act 1948.

**5.3 PLACE OF PAYMENT**

Operator agrees to make all remittances under this Agreement into contractor's account at NCAOR GOA (*Bidder / Contractor to provide all details as required under Cl. No. 12.0 of Annexure-I of Tender Document*)

**5.4 OPERATOR'S RIGHT TO QUESTION THE AMOUNTS CLAIMED**

(A) Payment of any invoice shall not prejudice the right of the Operator to question the allowability under this Agreement of any amounts claimed therein, provided Operator, within one year beyond the expiry of each contract year, delivers to contractor, written notice identifying any item or items which it questions and specifying the reasons therefor. Should Operator so notify Contractor, such adjustment shall be made as the

parties shall agree. These provisions shall be reciprocal for similar rights to the Contractor.

- (B) The contractor shall provide on demand a complete and correct set of records pertaining to all costs for which it claims reimbursement from Operator and as to any payment provided for hereunder, which is to be made on the basis of Contractor's costs.

#### **5.5.1 Payment of commission/fee/remuneration of Indian Agent / Representative of foreign principal.**

The commission/ fee / remuneration of the Indian agent / representative will be paid within 30 days of the payment of first invoice made to the contractor provided installation/commissioning of equipment by such agent/representative is not involved. In such cases, the amount of commission/fee/remuneration will be deducted by Operator from payment of first invoice of the contractor and paid to the Indian agent / representative in non-convertible Indian rupees at the bill selling rates as advised by SBI on the date of payment made to the beneficiary.

Where, as a condition of contract, the equipment is to be installed/commissioned satisfactorily by Indian agent/representative, the payment of commission / fee/remuneration shall be made within 30 days of satisfactory installation/commissioning and issue of a certificate to the effect by the authorized officer of Operator. The payment of Indian agent / representative will be subject to the condition that he sends stamped pre-receipted bill for the commission/fee/remuneration.

#### **6.0 CASING PROGRAMME**

The Casing programme to be followed in the drilling of well under the agreement shall be as specified by Operator.

#### **7.0 PERFORMANCE OF THE WORK**

##### **7.1 INDEPENDENT CONTRACTOR RELATIONSHIP**

- (a) Contractor, directly and through its employees, shall perform all work connected with the Drilling operations herein contemplated. In the execution/performance of this work, contractor is an independent Contractor and is completely responsible to control and execute the details of the work, Operator being interested in proper execution and results obtained. The work contemplated herein shall meet the approval of Operator and be subject to the general rights of directions and inspection. Neither Contractor's employees nor employees of its sub-contractors shall be considered employees of Operator.
- b) Contractor shall at all times, have full responsibility for control, direction and supervision of operations being carried out under this Agreement except when and to the extent that the Operator assumes control and supervision of operation.
- c) Contractor shall have complete responsibility regarding the safety of operations of all systems and all personnel on board the Drilling Unit. The extent of Contractor's responsibility shall include but not be limited to making final decision regarding Well Control Measures, Actions and Procedures affecting the containment of existing or potential escape of pressures which could lead to blowouts, cratering, or similar catastrophe subject to Clause 7.6.

##### **7.2 OPERATOR'S AND CONTRACTOR'S REPRESENTATIVES**

- (a) The actual execution and superintendence of all work hereunder shall be by Contractor.
- (b) Operator shall designate in writing representative or representatives who shall at all times have complete access to the Drilling Unit for the purpose of observing inspection or supervising the work performed by Contractor in order to judge whether in Operator's opinion, Contractor is complying with the provisions of this Agreement. Operator shall

notify Contractor in writing of the name(s) and authority of its representative or representatives. Such representative or representatives shall be empowered to act for Operator in all matters relating to Contractor's performance of the work herein undertaken. Contractor agrees at all times to cooperate with and extend assistance to employees of Operator or employees of Operator's contractors performing any function under this Agreement.

- (c) Contractor shall designate an Area Manager in-charge of Contractor's Drilling Unit. Contractor shall notify Operator in writing of the name(s) and authority of its representative or representatives. Such representative or representatives shall be fully capable and empowered to act for Contractor in all matters relating to Contractor's performance of the work in accordance with this Agreement.

### **7.3 SAFETY AND LABOUR LAWS**

All safety and labour laws enforced by statutory agencies and by Operator shall be applicable in the performance of this Agreement and Contractor shall abide by these laws.

### **7.4 DEVIATION OF THE BOREHOLE**

Contractor shall take all steps and precautions in accordance with good oilfield practices in the area of operations to drill a hole which will not deviate from the limit of 3° specified by Operator. Contractor shall run angle measuring devices acceptable to and at such intervals as may be accepted/directed by Operator. If the drilled well is not within the permissible limit of 3° (degrees) as specified by the Operator, at any depth, the Contractor has to stop drilling and he has to drill a new well within the same drill site at his cost. Since the bidder has to drill a pure vertical well and to avoid failure of drilling a pure vertical well, the bidder may provide suitable tool such as Vertitrack / Borehole Camera etc.

### **7.5 DRILL PIPE MEASUREMENT**

Contractor shall measure the total length of drill pipe in service with a steel tape before setting casing or liner, before logging, after reaching final depth, and whenever requested by Operator and promptly enter all such measurements in the daily drilling report.

### **7.6 PREVENTION OF FIRE AND BLOWOUT**

- (a) Contractor shall use the Blowout Prevention Equipment specified in this Agreement, on all strings of casing unless otherwise directed by Operator. Contractor shall maintain Well Control Equipment in good condition at all times and shall take all reasonable and possible steps to control and prevent blowouts and fire and to protect the well.
- (b) Contractor shall test the Blowout Prevention devices by making a pressure test at the interval as per API norms. Contractor shall record the results of all such tests in Daily Drilling Report. Replacement of all blowout prevention rubber parts shall be on Contractor's account.
- (c) Contractor shall use all reasonable means to keep the hole and all strings of casing filled with drilling mud at all times.
- (d) Contractor shall use belly sub-protectors and, if directed by Operator, drill pipe casing protectors of an approved type.

### **7.7 DISCIPLINE**

Contractor shall carry out operations hereunder with due diligence and in a safe and workman like manner according to good international oilfield practice.

Contractor and Operator shall maintain strict discipline and good order among their respective employees, and their respective sub-contractor's employees, if any, and shall abide by and conform to all rules and instructions promulgated by Operator and Contractor governing the Drilling Operations. Should Operator feel for just cause, that the conduct of any of Contractor's or its sub-contractor's personnel is detrimental to Operator's interests,

Operator shall notify Contractor in writing for removal of such personnel Contractor shall remove immediately and replace such an employee/ employees at Contractor's expense within seven (7) days. The person so removed shall not be employed again without the prior written consent of the Operator. Contractor shall not permit any of its employees, representatives, agents or sub-contractors to engage in any activity which might reasonably be considered to be contrary or detrimental to the interest of the operator.

**7.8 SAFETY**

Contractor shall take all measures necessary or proper to protect the personnel, work and facilities and shall observe all reasonable safety rules and instructions. No smoking shall be permitted out-side the living quarters, and welding jobs will be carried out with full safety precautions. Operator's employees also shall comply with safety procedures/ policy.

**8.0 COMPLETION OR ABANDONMENT OF WELL**

Contractor agrees to perform all work necessary to drill and complete or abandon the well in the manner specified by operator.

**9.0 SAMPLES, CORING AND CORES AND FORMATION TESTS**

**9.1 SAMPLES**

Contractor shall have and preserve for Operator, samples of formation penetrated and properly prepare and label Operator's containers. The method of sampling, frequency at which samples are to be obtained, and guidelines for storage shall be designated by Operator.

**9.2 CORING AND CORES**

Contractor shall core at such depths as Operator shall specify (beyond 1500m) and shall deliver all cores as recovered, in Operator's containers, properly labeled, to Operator and shall not allow any third party access to said cores or samples or any data without Operator's prior written consent. The total length of cores to be obtained will be approximately 60m in 8 ½" borehole section.

**9.3 FORMATION TESTS**

If during the course of drilling, Contractor encounters evidence of Gas or fluids, Contractor shall immediately notify Operator and, should Operator decide to carry out a test to determine the productivity of the formation so encountered, Contractor shall carry out such test under existing conditions, as mutually agreed.

**10.0 RECORDS TO BE FURNISHED BY CONTRACTOR**

**10.1 WELL RECORDS**

Contractor shall keep an authentic log and history of each well on the daily drilling report prescribed by Operator and, upon completion or abandonment of the well, deliver to Operator 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 report shall include the depth drilled, formations encountered and penetrated, depth cored and footage of cores recovered and any other pertinent information relating to the well.

**11.0 PERMITS & LICENCES**

**11.1 INGRESS AND EGRESS AT LOCATIONS**

Operator hereby agrees that it shall provide Contractor with all necessary rights of ingress/egress to and possession of the location where the well is to be located including any drilling permits or licenses required for the performance by Contractor of all works contemplated by this Agreement. In the event of any restrictions, conditions, or limitations in Operator's permit, which would affect the free right of ingress, egress and possession to be exercised by Contractor hereunder, its employees or its sub-contractors, Operator agrees promptly to advise Contractor in writing with respect to such restrictions, conditions or limitations and Contractor agrees to observe the same.

**11.2 DRILLING UNIT LICENCES**

Contractor agrees that it shall secure permits and licenses for operation of the Drilling Unit, if required and Contractor shall pay any expenses in this regard.

**12.0 INSURANCE AND INDEMNITY AGREEMENTS**

**12.1 INSURANCE**

Contractor shall procure at Contractor's expense and maintain with respect to and for the duration of this Agreement the insurance policies described below preferably by Indian insurance companies and with policy limits indicated below.

**12.1.1. WORKMEN'S COMPENSATION AND EMPLOYEES' LIABILITY INSURANCE**

Contractor shall ensure and provide all its personnel adequate insurance cover for compensation to be paid under Employees' Compensation Act, 1923 and Employer's Liability Act, 1938 and / or any other applicable law(s) in respect of accident or injury that may be caused to them in the course of their deployment in the area of operation under this Contract. Employer's Liability Insurance including appropriate maritime coverage shall be provided to all the personnel of the Contractor to meet the requirement of this clause or the applicable statute, whichever is greater.

**12.1.2. COMPREHENSIVE GENERAL LIABILITY INSURANCE**

Comprehensive General Liability Insurance shall cover premises, operations, independent Contractors and blanket contractual liability including but not limited to the insurable liabilities assumed under the Indemnity Agreement in Clause 12.6.

This coverage shall be endorsed to waive all rights of subrogation against Operator to the extent Contractor has given indemnities under the contract. This policy also shall cover contingent and contractual liability.

**12.1.3 COMPREHENSIVE GENERAL AUTOMOBILE LIABILITY.**

Comprehensive General Automobile Liability shall cover all owned, hired and non-owned vehicles.

Bodily injury	:	According to local laws.
Property damage	:	According to local laws.

**12.1.4 PROTECTION AND INDEMNITY LIABILITY**

Protection and indemnity liability insurance policy if available in India, shall cover each occurrence of bodily injury including death and property damage payable in India.

**12.2 WAIVER OF SUBROGATION**

All insurance policies of the Contractor with respect to the operations conducted hereunder as set forth in Clause 12 hereof, shall be endorsed by the underwriter in accordance with the following policy wording:-

*"The insurers hereby waive their rights of subrogation against any individual, Company, Affiliates or Assignees for whom or with whom the assured may be operating to the extent of the contractual indemnities undertaken by the Contractor."*

The provisions of this paragraph do not apply to Subcontractors of Operator. Operator is to obtain a reciprocal endorsement in favour of Contractor on policies maintained by Operator.

**12.3 CERTIFICATE OF INSURANCE**

Before commencing performance of the Agreement, Contractor shall upon request, furnish Operator with certificates of insurance including (1) kinds and amounts of insurance as required herein, (2) Insurance Company or Companies carrying the aforesaid coverages, (3) effective and expiration dates of policies, (4) that Operator will be given thirty (30) days

written advance notice for any material change in the policy, (5) waiver of subrogation endorsement has been attached to all policies, (6) the territorial limits of all policies. If any of the above policies expire or are cancelled during the term of this Agreement and Contractor fails for any reason to renew such policies, then Operator may replace same and charge the cost thereof to Contractor.

Should there be a lapse in any insurance required to be carried by Contractor under sub-Clause (1) through (4) of Clause 12.1 of this Agreement, for any reason whatsoever, losses resulting therefrom shall be for the sole account of Contractor.

#### **12.4 DEDUCTIBLE**

That portion of any loss not covered by insurance provided for in this Clause 12 solely by reason of a deductible provision in such insurance policies shall be for the account of Contractor.

#### **12.5 SUBCONTRACTORS**

Contractor shall require all of its Sub-contractors to provide such of the fore-going insurance coverages, as Contractor may consider necessary.

#### **12.6 INDEMNITY AGREEMENTS**

(A) Contractor agrees to protect, defend, indemnify and hold Operator its co-lessees, its agents if any, its other Contractors and/or their employees harmless from and against all claims, demands and causes of action, liabilities, expenses, costs, liens, rights in rem, and judgments of every kind and character, without limit, which may arise in favour of Contractor, Contractor's Employees, Agents, Sub-contractors of their employees; on account of bodily injury or death or damage to any person or its property as a result of the operations, contemplated hereby, regardless of whether said claims, demands, or cause of actions arise out of negligence or otherwise, in whole or in part, un-seaworthiness or other fault, including pre-existing conditions of operator, its Contractors other than Contractor, Sub-contractors, partners, Joint Venture, employees or Agents.

(B) Operator, agrees to protect, defend, indemnify and hold Contractor and its co-lessees, its agents and its affiliates, its other contractors and/or their employees harmless from and against all claims, suits, demands and causes of action, liabilities, expenses, costs, liens, rights in rem and judgments of every kind and character, without limit, which may arise in favour of Operator, Operator's Employees, Agents, invitees, Contractors (other than Contractor), and Sub-contractors, or their employees, on account of bodily injury or death or damage to any person or its 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/in part, un-seaworthiness or other faults, including pre-existing conditions of Contractor, its Subcontractors, parties, Joint Ventures, Employees or Agents.

#### **12.7 POLLUTION AND CONTAMINATION**

Notwithstanding anything to the contrary contained herein, it is understood and agreed by and between the Contractor and Operator that the responsibility for pollution or contamination shall be as follows:

(a) The Contractor shall assume all responsibility for cleaning up and controlling pollution or contamination which originates above the surface from spills or fuels, lubricants, motor oils, normal water base drilling fluid and attendant cuttings, pipe dope, paints solvents, ballast, bilge and garbage wholly in Contractor's possession and control and directly associated with Contractor's equipment and facilities, provided, however, Contractor's liability shall be limited to INR 3.00 (three) crores where after the Operator shall indemnify and hold harmless Contractor for amounts in excess.

(b) Except as otherwise provided in article 12.7(a), Operator shall assume all responsibility

for (including control and removal of the pollutant involved) and shall protect, defend and save the Contractor harmless from and against all claims, demands, and causes of action of every kind and character arising from all pollution or contamination, other than that described in sub-clause (a) above, which may occur from any cause including negligence of Contractor but not limited to, that which may result from fire, blowout, cratering, seepage of any other uncontrolled flow of oils, gas, water or other substances, as well as the use or disposition of oil emulsion, oil base or chemically treated drilling fluids, contaminated cuttings or caving, lost circulation and fish recovery materials and fluids provided however, Contractor's sole liability under this sub-clause is to reimburse Operator INR 3.00 (three) crores of cost paid/incurred by Operator in control of the pollutant, clean up costs, or damage to a third party, provided said pollution results from contractor's sole negligence.

**In the event a third party commits an act or omission which results in pollution or contamination for which either the Contractor or Operator, for whom such party is performing work, is held to be legally liable the responsibility therefor shall be considered as between the Contractor and Operator, to be the same as if the party for whom the work was performed and all of the obligations respecting defense indemnity, holding harmless and limitation of responsibility and liability as set forth in (a) and (b) above, shall be specifically applied.**

- 12.8 Unless otherwise stated, all the indemnities and allocation of risk provisions contained in this Agreement shall apply without regard to fault or negligence.

For the purpose of this Agreement, "negligence" means the reckless, willful or wanton disregard to the probable consequences of an act.

In the interpretation of this Agreement, indemnities provided herein shall take precedence over the remaining provisions hereof.

### **13.0 CLAIMS, TAXES, FEES AND ACCOUNTING**

#### **13.1 CLAIMS**

Contractor agrees to pay all claims, taxes, and fees for equipment, labour, materials, services and supplies to be furnished by it hereunder and agrees to allow no lien or charge resulting from such claims to be fixed upon any well or other property of Operator, Operator may, if required by any competent authority after notifying Contractor pay and discharge any lawful lien or valid overdue charges for Contractor's equipment, labour, materials, services and supplies under this Agreement and may thereupon deduct the amount or amounts so paid by Operator from any sums due, or thereafter becoming due, to Contractor hereunder.

#### **13.2 NOTICE OF CLAIMS**

Contractor or Operator, as the case may be, shall promptly give the other, notice in writing of any claims made or proceedings commenced for which that party is entitled to indemnification under this Agreement. Each party shall confer with the other concerning the defense of any such claim of proceedings and shall permit the other to be represented by Counsel defense thereof, and shall not effect settlement of or compromise any such claim or proceedings without the other's written consent.

#### **13.3 WITHHOLDING, ACCOUNTING AND TAX REQUIREMENTS**

(Applicable both for Indian and foreign bidders)

Contractor agrees for withholding from wages and salaries of its agents, servants, or employees all sums required to be withheld by the laws of the Republic of India or any other agency having jurisdiction over the area where Contractor is conducting operations, and to pay the same promptly when due to the proper authority.

(Applicable for foreign parties)

Contractor further agrees to comply with all accounting and reporting requirements of any nation having jurisdiction over the subject matter hereof and to conform to such laws and regulations and to pay the cost of such compliance. If requested by Operator, Contractor will furnish to operator evidence of payment or applicable taxes in the host country, on contractors expatriate employees.

#### **13.4 CORPORATE TAXES:**

13.4.1 The CONTRACTOR shall bear all direct taxes, levied or imposed on the CONTRACTOR under the laws of India, as in force from time to time.

The CONTRACTOR shall also be responsible for ensuring compliance with all provisions of the direct tax laws of India including, but not limited to, the filing of appropriate Returns and shall promptly provide all information required by the NCAOR for discharging any of its responsibilities under such laws in relation to or arising out of the CONTRACT.

13.4.2 Tax shall be deducted at source by NCAOR from all sums due to an Indian tax resident Contractor in accordance with the provisions of the Income Tax Act, 1961, as in force at the relevant point of time.

13.4.3 A non-resident Contractor i.e., a Contractor who is not an Indian tax resident according to the Indian Income Tax Act, 1961, has to obtain on its own either (A) an Order u/s. 195(3) of the Income Tax Act, 1961, or (B) an order u/s. 197 of the Income Tax Act, 1961, and furnish the said Order u/s. 195(3) or the Order u/s.197, to NCAOR along with each of its Invoices. NCAOR shall deduct tax at source in accordance with the directions contained in the Order u/s. 195(3) or the Order u/s. 197, as the case may be, as in force at the point in time when tax is required to be deducted at source.

13.4.4 In case the non-resident Contractor does not exercise the option in clause 13.4.3 above, it shall furnish a Tax Residency Certificate (Certificate from the income tax authorities of the country of which it is a tax resident, to the effect that, the Contractor is liable to pay tax in that country by reason of it being a tax resident under the relevant tax laws of that country) within 30 days from entering into the Contract and, in any event, at least 30 days before the first Invoice is furnished to NCAOR.

13.4.5 As per the provisions of Section 206AA of Indian Income Tax Act, 1961, effective from 01.04.2010, any person entitled to receive any sum or income or amount, on which tax is deductible under the provisions of Act, is required to furnish his Permanent Account Number (PAN) to the person responsible for deducting tax at source. In case the Contractor does not furnish its PAN, NCAOR shall deduct tax at source as provided in the Income Tax Act, 1961, or in the relevant Finance Act, or as directed in the orders u/s 195(3) or 197 or 195(2), as the case may be, or at such higher rate as may be required by Section 206AA of Indian Income Tax Act, 1961, from time to time.

13.4.6 The employees of such foreign companies/concerns/Joint Ventures/ Consortium Partners, their SUB-CONTRACTOR and assignees are also required to comply with various Direct tax laws of India, as applicable.

13.4.7 For the lapses, if any, on the part of the CONTRACTOR and consequential penal action taken by the Income Tax department, the NCAOR shall not take any responsibility whether financial or otherwise.

#### 13.4.8 **Notes in respect of Tax Residency Certificate:**

- (i) The Tax Residency Certificate (TRC) should be in original or a photocopy duly attested either from a notary public in India or from the Indian Embassy/High Commission/ Consulate in the country whose authorities have issued such TRC.
- (ii) During the currency of the Contract, for the income accrued in different financial years, the Contractor should submit separate TRCs for each financial year, based on the period for which the foreign income tax authorities issue the TRC as per the financial year followed in the respective country (viz. - the calendar year or the financial year commencing from 1<sup>st</sup> April to 31<sup>st</sup> March of succeeding year).

#### 13.5 **PAYMENT OF EXCISE DUTY, VAT / SALES TAX, WORKS CONTRACT TAX AND SERVICE TAX**

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

Contractor shall provide all the necessary certificates / documents for enabling the Operator to avail Input VAT credit and CENVAT credit benefits, in respect of the payments of VAT, Excise Duty, Service Tax etc. which are payable against the CONTRACT. The Contractor should provide tax invoice issued under rule-4A of Service Tax Rules for the Services (indicating service tax education cess and Secondary & Higher Education Cess) and tax invoice issued under Central Excise rule-11 for Excise Duty (indicating excise duty, education cess and Secondary & Higher Education Cess) and tax invoice under respective State VAT Act for VAT. Payment towards the components of Excise Duty, VAT, CVD, SAD, Service Tax etc shall be released by the Operator only against appropriate documents ie tax invoice/Bill of entry for availing CENVAT / VAT credit (as applicable).

The tax invoices as per above provisions should invariably contain the following particulars:

- (i) Name, Address and the Registration Number (under the relevant Tax Rules) of the Service Provider (Contractor);
- (ii) Name and Address of the Service Receiver (Address of the Operator);
- (iii) Description, Classification and Value of taxable service and the amount of applicable tax (i.e. Service tax / Excise Duty / VAT – separately indicating education cess and Secondary & Higher Education Cess, wherever applicable).

13.5.1 While submitting the invoice for payment, CONTRACTOR should submit the following details / statement as an attachment to the invoice:

a.	Cost of Service	Rs. _____
b.	Service Tax/Excise Duty (Central Levy)/VAT (State Levy), as applicable	Rs. _____
c.	Total amount including Service Tax/Excise Duty/VAT ( i.e. a+b)	Rs. _____
d.	Less: CENVAT Credit / VAT Credit, legally becomes available due to Change in Law (along with details of disclosure as per clause 15.8.7 below)	Rs. _____
e.	Net payable by the Operator	Rs. _____

### **13.6 TAXES, DUTIES AND LEVIES**

Except under the provisions in the Clause 13.5 above, the Operator shall not be liable to pay or reimburse any taxes, duties and levies including but not limited to the taxes, duties and levies imposed on the income of the Contractor, its employees or any taxes, levies etc.

### **13.7 CHANGES IN LAW:**

- 13.7.1** In the event of introduction of any new legislation or any change or amendment or enforcement of any Act or Law, rules or regulations of Government of India or State Government(s) or Public Body which becomes effective after the date of submission of Price Bid or revised price bid, if any, for this CONTRACT and which results in increased cost of the works under the CONTRACT through increased liability of taxes, (other than personnel and Corporate taxes), duties, the CONTRACTOR shall be indemnified for any such increased cost by the NCAOR subject to the production of documentary proof to the satisfaction of the NCAOR to the extent which directly is attributable to such introduction of new legislation or change or amendment as mentioned above and adjudication by the competent authority & the courts wherever levy of such taxes / duties are disputed by NCAOR.
- 13.7.2** Similarly, in the event of introduction of new legislation or any change or amendment or enforcement of any Act or Law, rules or regulations of Government of India or State Government(s) or Public Body which becomes effective after the date of submission of Price Bid or revised price bid, if any, for this CONTRACT and which results in any decrease in the cost of the works through reduced liability of taxes, (other than personnel and Corporate taxes) duties, the CONTRACTOR shall pass on the benefits of such reduced cost, taxes or duties to the NCAOR, to the extent which is directly attributable to such introduction of new legislation or change or amendment as mentioned above.
- 13.7.3** Taxes (except where otherwise expressly provided in the Contract) as may be levied / imposed in consequences of execution of the Works/Services or in relation thereto or in connection therewith as per the Acts, Laws, Rules, Regulations in force on the date of submission of Price Bid or revised price bid, if any, for the this CONTRACT shall be to CONTRACTOR's account. Any increase / decrease in the net amount of such taxes (i.e. the amount of taxes input) after the date of submission of price bid or revised price bid, if any, but within the contractual completion / mobilization date as stipulated in the CONTRACT will be to the account of the Operator.
- 13.7.4** Any increase in net amount of the taxes (i.e. the amount of taxes payable minus eligible credit of taxes / inputs) after the contractual completion / mobilization date during the extended period will be to the contractor's account, where delay in completion /mobilization period is attributable to the CONTRACTOR. However, any decrease in net amount of the taxes (i.e. the amount of taxes payable minus eligible credit of taxes / input services / inputs) after the contractual completion / mobilization date will be to the Operator's account.
- 13.7.5** The Contract Price and other prices given in the Price bid are based on the applicable tariff as indicated by the CONTRACTOR in the Price bid. In case this information subsequently proves to be wrong, incorrect or misleading, NCAOR will have no liability to reimburse/pay to the CONTRACTOR the excess taxes, fees, if any finally levied / imposed by the concerned authorities. However, in such an event, NCAOR will have the right to recover the difference in case the rate of tax finally assessed is on the lower side.
- 13.7.6** Notwithstanding the provision contained in clause 13.4.1 to 13.4.7 above, the NCAOR shall not bear any liability in respect of :
- (i) Personal taxes on the personnel deployed by CONTRACTOR, his sub-contractor / sub-sub contractors and Agents etc.

- (ii) **Corporate taxes and Fringe benefit tax in respect of contractor and all of their sub-contractors, agents etc.**
- (iii) **Other taxes & duties including Customs Duty, Excise Duty and Service Tax in addition to new taxes etc. in respect of sub-contractors, vendors, agents etc of the CONTRACTOR.**

**13.8 Applicability of Service Tax on various contractual payments / charges/ rates: -**

- (a) Civil Works  
Lumpsum payment on account of civil works i.e. construction of wellsite including DSA and approach road is liable to Service Tax.
- (b) Mobilization Fee  
The amount (if any) paid for mobilization of drilling unit/equipment (Mobilization fee) is liable to Service Tax.
- (c) De-mobilization Fee  
The amount (if any) paid for de-mobilization of drilling unit/equipment (De-mobilization fee) will be liable to Service Tax.
- (d) **Meter Rate:**  
Milestone payment paid against each phase is liable to service tax.
- (e) **Any other Services indicated by the bidder in their price bid on which Service Tax will be applicable.**

**14.0 RESPONSIBILITY FOR LOSS OF OR DAMAGE TO THE EQUIPMENT OR THE HOLE.**

**14.1 Loss Of Contractor's Drilling Unit Except as otherwise specifically provided in this Agreement, any damage to or loss, of the Drilling Unit (which, for the purpose of this Clause 14.1 shall be deemed to include all Contractor's and its sub-contractors equipment) and regardless of the cause or reason for said, loss, shall be the loss of the Contractor its Underwriters or insurers and Contractor indemnifies Operator, its Co-licensees and its and their affiliate Companies, Agents, Employees, Invitees, Servants, their Underwriters or Insurers (other than Contractor's) and their employees against 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. Operator is not responsible in this front.**

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

**14.2 OPERATOR'S EQUIPMENT**

Operator shall assume the risk of and shall be solely responsible for, damage to and loss or destruction of material, and equipment or supplies if furnished by Operator.

### **14.3 LIABILITY FOR THE WELL**

In the event the hole is lost or damaged because of the negligence of Contractor, Contractor's sole responsibility thereafter shall be the obligation to repair such damage within the limits of Contractor's normal complement of equipment and personnel or re-drill the hole in the same well or an alternate well has to be drilled at the cost of contractor.

### **15.0 BLOWOUT OR CRATER**

#### **15.1 COST OF CONTROL OF BLOWOUT**

In the event any Well being drilled hereunder shall go out of control (Blowout) due to any causes, Contractor will bear the cost and expense of killing the Well or otherwise bringing the Well under control upto INR 3.00 (three) crores for each incident and in this regard Operator shall indemnify and hold Contractor harmless in excess of INR 3.00 (three) crores for each incident. This applies only to the cost of bringing the well under control and is not to be interpreted as an assumption by Operator of any liability for injuries, to Contractor's personnel and or damage to the Drilling Unit, caused by such blowout to the Contractor, except as otherwise provided under the terms and conditions of this Agreement.

### **16.0 UNDERGROUND DAMAGE**

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

### **17.0 WAIVERS AND AMENDMENTS**

#### **17.1 WAIVERS**

No term or condition shall be deemed waived / amended unless such waiver / amendment is mutually agreed to by both the parties and is executed in writing by the duly authorized agents or representatives of the parties.

#### **17.2 AMENDMENTS OF DRILLING AND COMPLETION PROGRAMME**

It is agreed that Contractor shall carry out Drilling, coring, casing lowering, testing, completions, abandonment and any and all other operations, in accordance with the well drilling and completion programme to be furnished by Operator, which may be amended from time to time by reasonable modifications as Operator deems fit, subject, however, within the capability of drilling unit, in accordance with good oilfield practices.

### **18.0 LOSS OF DRILLING UNIT**

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 that 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).

### **19.0 FORCE MAJEURE**

#### **19.1 CONDITIONS FOR FORCE MAJEURE**

In the event of either party being rendered unable by Force Majeure to perform any obligation required to be performed by them under the Agreement, the relative obligation of the party affected by such Force Majeure shall, upon notification to the other party, be suspended for the period during which such cause lasts.

The term "Force Majeure" as employed herein shall mean earthquake, war, civil riot, fire, flood and Acts, Rules and Regulations of Govt. of India.

Upon the 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 hours of the alleged beginning and ending thereof, giving full particulars and satisfactory evidence in support of its claim. Either party can terminate the contract in the event of continuance of Force Majeure period exceeding 30 days.

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

## **20.0 TERMINATION**

### **20.1 TERMINATION ON EXPIRY OF THE TERM**

This Agreement shall be deemed to have been automatically terminated on completion of the well, unless the Operator has exercised its option to extend this Agreement in accordance with the provision of this agreement.

### **20.2 TERMINATION ON ACCOUNT OF FORCE MAJEURE**

Either party shall have the right to terminate this Agreement on account of Force Majeure, as set forth in Clause 19 herein above.

### **20.3 TERMINATION DUE TO LOSS OF DRILLING UNIT**

Should the Drilling Unit be lost or be missing and presumed lost or if the Drilling Unit should become a total loss, (constructive arranged or compromised), this Agreement will be deemed to have been terminated without notice, in terms of Clause 18.0.

### **20.4 TERMINATION ON ACCOUNT OF INSOLVENCY**

In the event the Contractor or its collaborator at any time during the term of this Agreement becomes insolvent or makes a voluntary assignment of its assets for the benefit of creditors or is adjudged bankrupt, then the Operator shall, by a notice in Writing have the right to terminate this Agreement and all the Contractor's rights and privileges hereunder, shall stand terminated forthwith.

### **20.5 TERMINATION FOR UNSATISFACTORY PERFORMANCE**

If the Operator considers that the performance of the Contractor is unsatisfactory or, not up to the expected standard, the Operator shall notify the Contractor in writing and specify in detail the cause of such dissatisfaction. The Operator shall have the option to terminate this Agreement by giving 30 days notice in writing to the Contractor, if, Contractor fails to comply with the requisitions contained in the said written notice issued by the Operator, in accordance with Clauses 3.5 and 3.10.

### **20.6 DUE TO CHANGE OF OWNERSHIP AND ASSIGNMENT**

In case the Contractor's rights and/or obligations under this Agreement and/or the Contractor's rights, title and interest to the Drilling Unit are transferred or as signed without the Operator's consent, the Operator may, at its absolute discretion, terminate this Agreement.

### **20.7 TERMINATION FOR DELAY IN MOBILISATION**

If the CONTRACTOR (successful bidder) fails to mobilize and deploy the Drilling Unit within the stipulated time, Operator shall have, without prejudice to any other clause of the CONTRACT, the right to terminate the contract.

### **20.8 TERMINATION WITH NOTICE:**

Notwithstanding the provisions of clause of the contract with respect to the depth to be drilled, NCAOR shall have the right / option to direct the stoppage of the work to be performed by the contractor, even though the contractor has made no fault hereunder. In such event the parties to the contract will be discharged and excused from performing their obligations any further, provided a written termination notice of 30 days is given by NCAOR

to the contractor. The contract shall be deemed to be terminated on completion of said notice period. In the event of such termination, the parties will remain liable to each other till the expiry of the notice period only and no damage/compensation will arise thereafter.

## **20.9 CONSEQUENCES OF TERMINATION**

**20.9.1** In all cases of termination herein set forth, the obligation of the Operator to pay the charges applicable as per price schedule on the date of termination. Notwithstanding the termination of this Agreement, the parties shall continue to be bound by the provisions of this Agreement that reasonably require some action or forbearance after such termination.

In case of termination of Contract herein set forth, except under 20.1 and 20.2, 20.3, 20.8 and / or annulment of the contract due to non-submission of Performance Security (as per Cl. No. 33.2 of Annexure-I), following actions shall be taken against the Contractor:

i. Operator shall conduct an inquiry against the Contractor and consequent to the conclusion of the inquiry, if it is found that the fault is on the part of the Contractor, then they shall be put on holiday [i.e. neither any tender enquiry will be issued to such a Contractor by Operator against any type of tender nor their offer will be considered by Operator against any ongoing tender(s) where contract between Operator and that particular Contractor (as a bidder) has not been concluded] for a period of two years from the date the order for putting the Contractor on holiday is issued. However, the action taken by Operator for putting that Contractor on holiday shall not have any effect on other ongoing contract(s), if any with that Contractor which shall continue till expiry of their term(s).

ii. Pending completion of the enquiry process for putting the Contractor on holiday, Operator shall neither issue any tender enquiry to the defaulting Contractor nor shall consider their offer in any ongoing tender

**20.9.2** Upon termination of this Agreement, Contractor shall return to Operator all of Operator's equipment which are at that time in Contractor's possession except in case of loss of Drilling Unit as specified in Clause 20.3 and 18.0.

## **20.10 SEVERABILITY**

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

## **21.0 INFORMATION - CONFIDENTIAL**

All information obtained by Contractor in the conduct of operations hereunder, including but not limited to depth, formation penetrated, the result of coring, testing and surveying, shall be considered as confidential and shall not be divulged by Contractor or its employees to any person, firm other than Operator's designated representative, unless otherwise asked by Operator in writing.

## **22.0 PREFERENCE TO LOCAL COMPANIES**

Contractor agrees to give priority and preference to locally owned companies, when hiring Sub contractor, SUBJECT TO price, quality and delivery being equivalent.

## **23.0 ASSIGNMENT OF CONTRACT**

### **23.1 ASSIGNMENT BY CONTRACTOR**

Contractor agrees not to sub-let or assign this Agreement or interest or any part thereof to an Indian Joint Venture Co./Indian Co. having approved technical backup without first obtaining the written consent of Operator and at such time that:

I. Adequate arrangements being made by Contractor in terms of expertise and experienced personnel to ensure due performance of said Agreement.

- II. The Government of India has fully approved the joint venture applications for formation of such joint venture Indian Company or has approved Technical Collaboration of an Indian Co. and
- III. The ownership of the Drilling Unit has been transferred to such Indian Company or such Indian Co. has acquired the Drilling Unit on lease basis.

However, the assignment shall be on same rates, terms and conditions. Contractor shall remain fully liable and responsible to Operator for complete performance of all its obligation envisaged under this Agreement.

**23.2 ASSIGNMENT BY OPERATOR**

Operator shall have the right, at any time, to assign all or any part of its rights hereunder, to an affiliated Company or a third party provided that Operator shall remain fully liable and responsible to Contractor to complete performance of all its obligations imposed by this Agreement.

**24.0 CONSEQUENTIAL DAMAGES**

Notwithstanding either party's fault, neither party shall be liable to the other party in respect of any consequential damages whatsoever. The term "Consequential Damages" as used herein shall include without limitations to the meaning, loss of profit, production, business opportunities or use of assets.

**25.0 WRITTEN NOTICES**

All notices shall be in writing and may be delivered personally to any Officer or Manager at the addresses specified below, unless changed by Notice or may be sent by registered mail to said address, postage prepaid, charges prepaid confirmed by copy of such notices by registered mail to said address. The addresses referred to are:

**For Operator:**

**National Centre for Antarctic & Ocean Research  
Earth System Science Organization  
Ministry of Earth Sciences, Govt. of India  
Director, NCAOR  
Headland sada, Vasco-da-Gama  
Goa- 403804, GOA, INDIA  
Fax No.: 0832-2525566; Phone: 0832-2525555**

**For Contractor:**

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**26.0 Arbitration**

All questions and disputes relating to the meaning of the specifications and instructions herein and as to the quality of work or as to any other question, claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the works or the execution or failure to execute the same whether arising during the progress of the work or after the cancellation, termination, completion or abandonment thereof shall be referred to a sole arbitrator for adjudication through arbitration. The arbitrations shall be conducted in accordance with the provisions of the Arbitration and Conciliation Act 1996 or any statutory modifications or re-enactment thereof and the rules made there under and for the time being in force, shall apply to the arbitration proceedings.

An officer not below the rank of Director, preferably drawn from the panel of Arbitrators drawn by the Government, if any, may be appointed to act as arbitrator by an appointing authority, which should normally be an officer not below the rank of Joint Secretary to the Government.

**27.0 JURISDICTION AND APPLICABLE LAW**

This agreement including all matter connected with this Agreement, shall be governed by the laws of India (both substantive and procedural) for the time being in force and shall be subject to exclusive jurisdiction of the Indian Courts at Panjim, Goa, India (*the place where the contract is signed in India*).

**28.0 STORAGE SPACE:**

The operating area shall be in Koyna region, Maharashtra India. The contractor shall locate and establish a Base as per the requirement at its cost. The contractor shall practice and implement all Govt. of India regulations in the storage space at the Base and shall indemnify Operator in respect of any claims made by any of the Govt. of India agencies.

**29.0 RADIO-ACTIVE SOURCES:**

The Operator acknowledges that the radio-active sources used in operations by the Contractor are potentially dangerous both to humans and to animals and that should any such source be lost in the Well, special precautions must be taken in fishing operations in order that the container of the source is not broken or damaged, and that such source if not recovered must be isolated by cementing it in place or by some other appropriate means, and the Operator by requesting Contractor to perform any service involving the use of radio-active material accepts the possibility of such risks and agrees that the Contractor shall not be liable or responsible, except in case of willful misconduct and or negligence on the part of Contractor, for any injury to or death of persons or damage to property (including but not limited to injury to or loss of a Well or reservoir) or any other loss or damage whatsoever, direct or consequential, irrespective or otherwise arising from or in any way connected with the use or placing by the Contractor of radio-active material in a bore Well, and the Operator agrees that it shall absolve and hold the Contractor harmless except in case of willful misconduct and or gross negligence on the part the contractor from and against all liability for any and all losses, costs, damages and expenses incurred or sustained by the Operator or any other person resulting from any such use of radio-active material. The Contractor shall provide the Operator complete information on the construction of radioactive sources, pressure vessels and shields and certificates on usability and safety. The contractor shall not use any material which is not certified by the International Atomic Energy Agency (I.A.E.A) for use under the conditions prevailing in the Well.

**30.0** Connectivity between BGRL office at Karad and with drillsite has to be setup for which NCAOR shall provide VSAT and Contractor has to install it for free of cost.

**31.0** The Contractor is prohibited to offer any service/benefit of any manner to any employee of NCAOR and that the Contractor may suffer summary termination of contract / disqualification in case of violation.

**32.0 LIMITATION OF LIABILITY:**

Notwithstanding any other provisions, except only in cases of willful misconduct and / or criminal acts,

- a) Neither the Contractor nor the Operator (NCAOR) shall be liable to the other, whether in Contract, tort, or otherwise, for any consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided however that this exclusion shall not apply to any obligation of the Contractor to pay Liquidated Damages to the Operator, and
- b) Notwithstanding any other provisions incorporated elsewhere in the contract, the aggregate liability of the Contractor in respect of this contract, whether under the Contract, in tort or otherwise, shall not exceed 50% of Contract Price, provided however that this limitation shall not apply to the cost of repairing or replacing defective equipment by the Contractor, or to any obligation of the Contractor to indemnify the Operator with respect to Intellectual Property Rights.
- c) Operator shall indemnify and keep indemnified Contractor harmless from and against any and all claims, costs, losses and liabilities in excess of the aggregate liability amount in terms of clause (b) above.

**33.0 ENTIRE AGREEMENT**

33.1 This Agreement supersedes all prior Agreements and commitments, whether oral or in writing between the parties concerning the subject matter thereof. The right of either party to require strict performances will not be affected by any previous waiver or course of dealing. Neither this Agreement nor any modification will be binding on a party unless signed by an authorized representative of Contractor and Operator.

33.2 It is not intended that there be any conflict between this Agreement and the Annexures thereto, which are a part hereof for all purposes, but the Agreement shall take precedence in the event of any such conflict.

33.3 Notwithstanding the termination of this Agreement, the parties shall continue to be bound by the provisions of the Agreement that reasonably require some action or forbearance after the expiration of the term of this Agreement.

In witness whereof, the parties hereto have executed this Agreement as of the day and year first above written.

**For and on behalf of Operator**

**For and on behalf of Contractor**  
M/s. \_\_\_\_\_

**National Centre for Antarctic and Oceanic Research**

**Proforma of Bank Guarantee towards Performance Security**

**PERFORMANCE GUARANTEE**

Ref. No. \_\_\_\_\_ Bank Guarantee No \_\_\_\_\_  
Dated \_\_\_\_\_

To  
The Incharge, Purchase Section  
NCAOR  
Goa, India

Dear Sirs,

1. In consideration of **National Centre for Antarctic and Oceanic Research**, incorporated under the Companies Act, 1956, having its Registered Office Goa, India and one of its offices at Karad, Maharashtra (hereinafter referred to as 'NCAOR', which expression shall, unless repugnant to the context or meaning thereof, include all its successors, administrators, executors and assignees) having entered into a Contract No. \_\_\_\_\_ dated \_\_\_\_\_ (hereinafter called 'the Contract' which expression shall include all the amendments thereto) with M/s \_\_\_\_\_ having its registered / head office at \_\_\_\_\_ (hereinafter referred to as the 'Contractor') which expression shall, unless repugnant to the context or meaning thereof include all its successors, administrators, executors and assignees) and NCAOR having agreed that the Contractor shall furnish to NCAOR a performance guarantee for Indian Rupees/US\$ ..... for the faithful performance of the entire contract.
2. We (name of the bank) \_\_\_\_\_ registered under the laws of \_\_\_\_\_ having head/registered office at \_\_\_\_\_ (hereinafter referred to as "the Bank", which expression shall, unless repugnant to the context or meaning thereof, include all its successors, administrators, executors and permitted assignees) do hereby guarantee and undertake to pay immediately on first demand in writing any /all moneys to the extent of Indian Rs./US\$ (in figures) \_\_\_\_\_ (Indian Rupees/US Dollars (in words) \_\_\_\_\_) without any demur, reservation, contest or protest and/or without any reference to the Contractor. Any such demand made by NCAOR on the Bank by serving a written notice shall be conclusive and binding, without any proof, on the bank as regards the amount due and payable, notwithstanding any dispute(s) pending before any Court, Tribunal, Arbitrator or any other authority and/or any other matter or thing whatsoever, as liability under these presents being absolute and unequivocal. We agree that the guarantee herein contained shall be irrevocable and shall continue to be enforceable until it is discharged by NCAOR in writing. This guarantee shall not be determined, discharged or affected by the liquidation, winding up, dissolution or insolvency of the Contractor and shall remain valid, binding and operative against the bank.
3. The Bank also agrees that NCAOR at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance, without proceeding against the Contractor and notwithstanding any security or other guarantee that NCAOR may have in relation to the Contractor's liabilities.
4. The Bank further agrees that NCAOR shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said contract or to extend time of performance by the said Contractor(s)

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

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

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

In witness whereof, the Bank through its authorised officer has set its hand and stamp on this ..... day of .....2015 at.....

\_\_\_\_\_  
(Signature)

Full name: - \_\_\_\_\_

Designation: - \_\_\_\_\_

Official Address (in legible letters) with Bank Stamp: \_\_\_\_\_

**Telephone no. of Issuing Bank:** \_\_\_\_\_

**Fax No. of Issuing Bank:** \_\_\_\_\_

**E-Mail Address:** - \_\_\_\_\_

**NOTE: Bank guarantee, duly executed as per the above format, is to be enclosed with the offer, indicating the complete postal address, e-mail ID, correct and operational Telephone No & Fax No of issuing bank.**

### **INSTRUCTIONS FOR FURNISHING PERFORMANCE GUARANTEE**

1. The Bank Guarantee by Indian Bidders will be given on Rs. 100 non-judicial stamp paper /franking receipt. The non-judicial stamp paper /franking receipt should be either in name of the issuing bank or the contractor.
2. Foreign parties are requested to execute bank guarantee as per law in their country.
3. Foreign bidders will give guarantee either in the currency of the offer or US \$ (US Dollar) i.e. Indian Rs/US \$ have been mentioned only for illustration. Therefore, in case where bank guarantee is being given in currency other than 'Rupees' or U.S. \$, indicate the relevant currency of the offer.
4. The expiry date as mentioned in clause 9 (Annexure-I) should be arrived at by adding 120 days (for foreign bidders) / 60 days (for Indian bidders) to the contract completion date, unless otherwise specified in the bidding documents.

Proforma – “PFD”

**Appendix – II.2**

SUB: PARTICULARS OF PF CONTRIBUTION FOR THE MONTH OF \_\_\_\_\_ MONTH 201

(1) Name of the Firm/ Agency/ Contractor \_\_\_\_\_ Nature of Contract : Job/ Service contract, AMC, O&M, Petty contract, Security, seasonal

- (2) Postal address of the Contractor \_\_\_\_\_
- (3) Phone No. of the Contractor \_\_\_\_\_
- (4) Fax No. of the Contractor \_\_\_\_\_
- (5) Address of PF office from where EPF Code No. has been allotted: \_\_\_\_\_
- (6) EPF Code No. allotted by PF office \_\_\_\_\_
- (7) Address of ESIC office from where ESI Code No. has been allotted: \_\_\_\_\_
- (8) ESI Code No. allotted by ESIC Office \_\_\_\_\_
- (9) Period of Contract : From \_\_\_\_\_ to \_\_\_\_\_
- (a) Extension period of contract, if any From \_\_\_\_\_ to \_\_\_\_\_
- (b) Place where contract workmen are working \_\_\_\_\_
- (10) LabourLicence No. \_\_\_\_\_ dtd. \_\_\_\_\_
- (11) Validity period of LabourLicence From \_\_\_\_\_ To \_\_\_\_\_
- (12) Details of Deposition of contribution towards EPF \_\_\_\_\_

(14) Details of contract labour engaged by the contractor

Category	No. of Workers	Prevailing Min. wages
Unskilled		
Semi skilled		
Skilled		
Highly skilled		
Total		

(a) EPF Challan No. _____ Amount _____ Date _____	
(13) Details of Deposition of contribution towards ESI	
(a) ESI Challan No. _____ Amount _____ Date _____	

Sl o. No.	Full Name of the Contractual Workmen	Sub EPF Code No. of the Contractual Workman	No. of days present during the month	Amount paid		Total Amount paid	Employees PF Contribution @ 12%	Employers PF Contribution @ 3.67%	Employers EPS Contribution @ 8.33%	Total Contribution deposited (Col No.8 + Col.9 + Col.10)	Employees ESI contribution @ 1.75%	Employers ESI contribution @ 4.75%	Total Contribution deposited (Col No. 13 + Col no. 14)
				Mini Wage	Plus any other pay								
1	2	3	4	5	6	7	8	9	10	11	12	13	14

**CERTIFIED THAT**

- a) I have paid the notified minimum wages to my contractual workers as per the agreement.
- b) The above information is correct to the best of my knowledge.
- c) In case nay discrepancies or irregularities is /are noticed in this agreement, then NCAOR is free to inform the PF/ESIC Authorities.
- d) Within one month on completion/expiry of the contract, I shall fill up the prescribed Forms for withdrawal or transfer of PF/Pension Account in favor of my contractual workmen under control and intimate to Principal Employer.
- e) Before the completion of contract, I shall serve one month notice to all my contractual workers, informing that their services will be terminated.
- f) Within one month on completion/expiry of the contract, I shall pay all the dues/ terminal dues such as leave with wages, bonus (if applicable), Gratuity (if applicable), to all my contractual workmen, failing which my Bank Guarantee/ Security Deposit may be withheld by NCAOR.

Date:

Place:Signature& Seal of the Contractor

## The Employees' Provident Funds Scheme 1952

**FORM 12** (Revised)

## THE EMPLOYEES' PROVIDENT FUND SCHEME, 1952

[Para 38(2)]

**STATEMENT OF CONTRIBUTION FOR THE MONTH OF .....**

Wage Period From..... To .....

Name and Address of the Establishment ..... Code No.....

Sl. No.	A/C No.	Name of the member (in block Capitals)	Wages, retaining allowance (if any) and D.A. including cash value of food concession paid to the member during the wage period.	Amount of member's contribution deducted from the wages			Employer's contribution			Remarks
				EPF (a)	EPF 1.1/4% (b)	Total (c)	EPF (a)	EPF 1.1/4% (b)	Total (c)	
1	2	3	4	5			6			7

Total amount of contributions including refund of advances .....

Administrative charges .....

Total amount deposited in

(i) Account No. 1 Rs. ....

(ii) Account No. 10 Rs. ....

Bank in which deposited .....

No. and date of Bank Draft/Cheque Reserve Bank of India .....

Signature of the Employer or  
Other Authorized Officer  
Stamp of the Establishment

Dated .....

## Notes:-

- (1) The names of existing members should be shown in the list of each month in the consecutive serial order of the account numbers. New members whose names are shown in the return for the first time should be shown at the end with a heading "New Members". In the case of members transferred from another factory/establishment the name of the factory/establishment from which transferred should be given in the 'Remarks' column.
- (2) Mention should be made in column No.8 above, about member's rate of voluntary contribution.
- (3) Variation in wages/contribution with that of previous month should be explained suitably in the remarks column.

**FORM 6A**  
 (For un-exempted establishments only)  
 THE EMPLOYEES' PROVIDENT FUNDS SCHEME 1952  
 [Paragraph 30 and 38(3) and  
 THE EMPLOYEES' PENSION SCHEME, 1995  
 [Paragraphs 20(3)]  
**CONSOLIDATED ANNUAL CONTRIBUTION STATEMENT**

Annual statement of contribution for the Currency Period from 1<sup>st</sup> ..... 20.... to ..... 20 .....

Name and address of the Establishment ..... Statutory rate of contribution.

Code No. of the Establishment..... No. of members voluntarily contributing at a higher rate

Sl. No.	Account No.	Name of the member (in block capitals)	Wages, Retaining allowance (if any) and D.A. including cash value of food concession paid during the currency period	Amount of worker's contributions deducted from the wages	Employer's Contribution		Refund of Advance	Rate of higher voluntary contribution (if any)	Remarks
					EPF difference between 12% and 10%	Pension fund 10%			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	10

**FORM 6A (Continued)**

**RECONCILIATION OF REMITTANCES**

Sl. No	Month	AMOUNT REMITTED		ADMINISTRATION CHARGES Rs. At 1.10% of wages			Aggregate Contributions Cols 5+6+7 (Rs.)
		EPF Contributions including refund of advances	Pension Fund contributions A/c No.10	DLI Contribution A/c No. 21	Admn. Charges A/c No.2	EDLI Admn. Charges 0.001%	Remarks (1) Total number of

		A/c no. 1		Rs.	Rs.	Rs.	contribution cards enclosed (Form 3A Revised)  (2) Certified that Form 3A, duly completed, of all the members listed in this statement are enclosed, except those already send during the course of the currency period for the final settlement of the concerned members account vide Remarks furnished against the names of the respective members above.
1	March paid in April	Rs.	Rs.	Rs.			
2	April	Rs.	Rs.	Rs.			
3	May	Rs.	Rs.	Rs.			
4	June	Rs.	Rs.	Rs.			
5	July	Rs.	Rs.	Rs.			
6	Aug.	Rs.	Rs.	Rs.			
7	Sept.	Rs.	Rs.	Rs.			
8	Oct.	Rs.	Rs.	Rs.			
9	Nov.	Rs.	Rs.	Rs.			
10	Dec.	Rs.	Rs.	Rs.			
11	Jan.	Rs.	Rs.	Rs.			
12	Feb. paid in March	Rs.	Rs.	Rs.			
13	Arrear, If any	Rs.	Rs.	Rs.			
Total		Rs.	Rs.	Rs.			

Signature of employer with official seal

**NOTES:-**

- (1) The names of all members, including those who had left service during the currency period, should be included in this statement. Where the Form 3A in respect of such members had left service were already sent to the Regional Office for the purpose of final settlement of their accounts, the fact should be stated against the members in the 'Remarks' column above thus "form 3A already sent in the month of .....".
- (2) In case of substantial variation in the wages/contributions of any member as compared to those shown in previous statement, the reason should be explained adequately in the 'Remarks' column.
- (3) In respect of those members who have not opted for Pension Fund their entire employers contribution @ 8.1/3% or 10% as the case may be shown under column no.6.

## **ANNEXURE: III**

# **SCOPE OF WORK & TECHNICAL SPECIFICATION FOR DRILLING RIGS**

## Annexure-III.A

**One number of suitable drilling rig capable to drill up to 3000m with 5” drill pipe,along with mud services, cementing services, METP services,mud logging, wireline logging in Koyna region, Maharashtra State, India**

<b>Sr. No.</b>	<b>Particulars</b>	<b>Appendix</b>
<b>1</b>	<b>General Scope of Work and conditions</b>	<b>Appendix-1</b>
<b>2</b>	<b>Technical Specifications of Rig</b>	<b>Appendix-2</b>
<b>3</b>	<b>Schedule of responsibilities for Drilling equipment, materials, supplies and services</b>	<b>Appendix -3</b>
<b>4</b>	<b>List of (personnel) crew</b>	<b>Appendix -4</b>
<b>5</b>	<b>Details of the rig offered</b>	<b>Appendix-5</b>
<b>6</b>	<b>Scope of work for integrated mud services</b>	<b>Appendix-6</b>
<b>7</b>	<b>Scope of work for integrated Cementing Services</b>	<b>Appendix-7</b>
<b>8</b>	<b>Scope of work for METP Services</b>	<b>Appendix-8</b>
<b>9</b>	<b>Scope of work for Mud logging Services</b>	<b>Appendix-9</b>
<b>10</b>	<b>Scope of work for Wireline logging Services</b>	<b>Appendix-10</b>

## **General Scope of Work and Broad Indicative Technical Specifications**

**(One Number of suitable drilling rig capable to drill up to 3000m with 5” drill pipe, along with mud services, cementing services, METP services, mud logging services, Wireline logging services in Koyna region, Maharashtra State, India)**

### **General Scope of Work**

National Centre for Antarctic Ocean Research (NCAOR) Goa has planned to drill one vertical, 3000m deep borehole for scientific investigations in the Koyna region, Maharashtra. Drilling should be accomplished on Integrated Well Completion (IWC) basis inclusive of rig and associated services as detailed in the tender document.

The suitable rig to be deployed may be a conventional drilling rig or Air hammer drilling rig or hybrid (Air Hammer and Conventional) drilling rig. The rig may be equipped with state-of-art technology if found suitable by the bidder, like Verti-track, downhole motors and turbines.

The rig along with associated Services (Mud, Cementing, METP, Mud Logging & Wire line logging) duly inspected by third party inspection (TPI) agency, at the cost of the contractor and nominated by NCAOR, shall be mobilized to the drilling location at Koyna region, Maharashtra, India within 120 days from the date of issue of Letter of Award (LOA) for the rig and associated services.

The Agreement will be automatically extended under the same rates, terms and conditions to cover the time necessary to complete or abandon, to the satisfaction of the operator, the well-in-progress at the end of the Term of the Agreement.

Contractor to take up the scope of work to be carried out in accordance with the various articles including schedule of responsibilities etc. of the Tender Document

**Drilling Rig and Equipment:** The following conditions shall be applicable  
(For Conventional/ Air Hammer drilling/ Hybrid rigs)

1. Contractor shall provide complete suitable drilling rig capable to drill up to 3000m with 5” drill pipe, to lower 9 5/8 “, 40 ppf casing upto 1500m and 5 ½ “, 20 ppf casing upto 3000m. Equipment conforming to the broad and general standards as mentioned in the Technical Specifications of the Tender Document (Appendix – 2) however the specifications for Air drilling/ Hybrid drilling rig may be submitted by the bidder in the bid itself.
2. To provide capable and experienced rig crew personnel in accordance with the list provided in the Tender Document – Applicable for all type of rigs.
3. If required, besides Top Drive, contractor may keep Kelly, Kelly Spinner, Swivel etc., as a stand-by measure in case of failure of Top Drive.
4. The Contractor shall provide Drill bits (PDC, Turbine bits etc.) and core bits suitable for drilling / coring of the well. Bit selection is to be done by the contractor. Log data whatever required, if available with Borehole Geophysics Research Laboratory (BGRL) office may be taken for selection of bits.
5. Acoustic Enclosure may be provided for Power Packs (Engine with Alternator) as per approved CPCB guidelines. Exhaust and emissions conforming to CPCB guidelines.

**Air Hammer drilling rigs/ Hybrid (Air hammer and Conventional drilling) rigs –**

The following may be noted for the bidder who opts to quote with the said type of rig.

1. If the bidder opts to quote Air Hammer drilling rig or Hybrid Drilling rig (Air Hammer and Rotary drilling rig), the specifications of suitable rig to drill the well of 3000m as per the well configuration annexed in the tender document shall be submitted in the Techno-commercial bid itself.
2. The rig should have compressors of adequate capacities to lift the cuttings from 3000m depths.
3. The rig should have provision of making sufficient mud as indicated in the indicative technical specification of Conventional drilling rig (Appendix – 1) as mud will be required during coring, circulation, cementation and during logging etc.
4. The rig should have provision for rotary drilling, as approximately a total of 60m core will be cut at different depths in 8 ½ "borehole section.
5. For designing the mud, making the desired quality mud, to monitor the mud parameters, and management of muds etc. qualified and experienced mud chemist should be on the job on the rig round the clock (24X7). The other equipment required such as safety equipments, BOP's, accumulator unit, choke and kill manifold, handling tools, fishing equipment and other associated tools/equipments meant for other services should be as per the description of rig for conventional rotary drilling (Appendix – 2).
6. The scope of work for other services will be as per the tender document and the various service providers for various services has to be provided by the bidder from among the list of service providers (Appendix-1 of BEC).

**Mud Services: (Appendix 6)**

1. Contractor shall provide required Mud Services on IWC basis along with supply of chemicals and
2. Supervision as per detailed SOW for Mud Services for drilling of wells. (Appendix - 6)
3. The rig and services shall be capable of handling all types of Water base, new generation drilling fluids. The rig should be equipped with mud tanks having suitable capacities for drilling 3000m wells with solid control equipment having minimum 02 nos. of dual tandem linear motion/03 numbers of Linear motion Shale Shakers (LMSS) of spec minimum 6.0 G with suitable scalpers; handling minimum of 1200 GPM with screens up to 250 mesh, One De-sander, One Linear motion Mud Cleaner (LMMC), One Degasser, and Jet Shearing Devices.
4. The Contractor shall also to provide the manpower in terms of roustabouts etc. for maintaining the mud systems as per international practice.

**Cementing Services: (Appendix 7)**

Contractor shall provide required Cementing services (IWC) along with supply of cement, cement additives, equipment and supervision as per detailed SOW for Cementing Services for drilling of wells. (Appendix 7)

**Mobile Effluent Treatment Plant (METP) Services: (Appendix 8)**

Contractor shall provide Mobile Effluent Treatment Plant (METP) to process the effluent generated at the site as per the norms prescribed by Central pollution control Board (CPCB), State Pollution Control Board (SPCB) and other Statutory/Government Agencies /Boards for Prevention and Control of Water and Air Pollution, and in accordance with the prevalent standards of the oil industry. The processed water parameter (refer Appendix-8) shall be suitable for re-use in the drilling fluid and for normal use in the rig. The quality of treated water shall be collected and tested fortnightly at labs approved by Pollution Control Board at the cost of the Contractor and the test results should be submitted to NCAOR for verification. (Appendix - 8)

**Mud logging Services: (Appendix 9)**

Contractor shall provide required Mud logging services along with equipments and supervision as per detailed SOW for Mud logging Services for drilling of wells (Appendix – 9).

**Wireline logging Services: (Appendix 10)**

Contractor shall provide required Wireline logging services along with equipments and supervision as per detailed SOW for Wireline logging Services for drilling of wells (Appendix – 10).

**Statutory Rules / HSE Issues:**

1. Contractor shall adhere to Hazardous Area Classification as governed by DGMS and other local regulations as applicable.
2. The contractor shall comply with all Statutory Rules and Regulations regarding Safety, Environment, Labour Laws, DGMS, Sate PCB, CPCB, OISD guidelines etc. as applicable to the rig, drilling operations and Services offered (Mud Services, Mud logging Services / METP Services). Non-compliance of the same shall result in suspension of drilling operations.
3. Contractor shall maintain a waste disposal system for disposal of waste generated during operations by segregating the waste material and disposing it in conformance with standard oilfield practices, regulation of Government of India and other local regulatory authorities.
4. Contractor shall clearly identify Zone 1 and Zone2 hazardous areas at the drilling location by placing appropriate signboards.
5. All the electrical systems/equipment installed in Zone 1 & Zone2 hazardous areas at the drilling unit shall be duly approved by DGMS, India. The contractor shall be responsible for taking all approval from DGMS, India for the same.
6. As per 116(1) of I.E.R 1956, restricted neutral system shall be used in 550/1100V, system at the rig to limit earth fault current within 750 mA.
7. Contractor shall ensure that only flameproof electrical appliances/equipment shall be installed at dog house as per DGMS guidelines/norms.
8. If at any time during performance of drilling operations, the Operator(NCAOR) is of the opinion that the Contractor is not performing the drilling operations in compliance with Standard Safety Practices / Standard Drilling Practices or is conducting the work in such a way as to endanger the safety of personnel, equipment or surrounding environment, then the Company (NCAOR) shall notify the Contractor of the breach of safety involved and suspend operations with immediate effect
9. Upon completion, discontinuance or abandonment of the work to be performed under this contract, the contractor shall dismantle the drilling unit and remove all the contractor's equipment and machinery from the location, properly plug the rat hole and mouse hole, remove litter and debris created by the contractor or it's sub- contractors in connection with the work, and generally will leave the premises and roadways in as good condition as the same was at commencement of drilling operations. Under no circumstances, any debris, junk or litter is to be left at the worksite or disposed-off in any of the pits at the work site.
10. After getting the notice of de-hiring of the Rig, Contractor shall dismantle the Rig and all other equipment and vacate the drill site within 21 days from date of de-hiring of the rig and remove litter and debris created by the contractor or it's sub-contractor in connection with the work. The Contractor has to reclaim the site and make it in a condition as it was before spudding of the well.

**Inspection of the Rig:**

NCAOR shall accept the Drilling Unit only after giving the clearance for acceptance of the rig by third party. Third Party inspection (TPI) is to be conducted by the contractor at contractor's cost by any one of the following agencies as per tender specifications:

- (a) DNV (b) BV (c) ABS (d) Lloyds (e) Oil Field Audit Service Inc.

**Miscellaneous:**

1. Contractor to undertake the civil works for making the drill site for placement of rig, Bunk Houses and for placement of other equipment meant for associated services.
2. Contractor to set up Drill Site Accommodation (DSA) at site after hardening. DSA will be adjacent to drill site.
3. Contractor shall provide facilities for potable water, air, light and electric power wherever required to NCAOR and NCAOR's sub-contractors.
4. Contractor shall at his cost arrange for handling of NCAOR's equipment/items in the site. This includes provision of cranes of various capacities, forklifts and Ambulance/emergency vehicles at the site. NCAOR will arrange transportation for its personnel.
5. Contractor shall provide transport for Contractor's equipment and ensure to take road permits/licenses/approvals from the agencies as and when required for transportation of Rig/Rig equipment to drill site during Mob/De-Mob.
6. Contractor shall be responsible for any damages if happens to Public/Private/Govt. properties during Mob/De-Mob and also ensure to compensate all such damages.
7. 'Un-skilled labour' on the Drilling Rig to load and unload all NCAORs' equipment, materials and supplies are also to be provided by the contractor:
8. Contractor shall furnish all items of equipment, materials, supplies and services as specified in Appendix-2, Technical Specifications of the Rig at all the times during the contract period.
9. Contractor to arrange own warehouse for storage of their Tubulars, equipment, Chemicals, Cement, Cement additives, Drill bits, corebits, casings, wellheads, X-mas tree etc.
10. Contractor to arrange own catering service at the drill sites and the DSA. The catering facility will be extended to the NCAOR officers. The contractor shall provide free boarding and lodging for 8 persons of NCAOR. The catering facilities should be good enough like a reputed caterer. Contractor shall maintain drill site, DSA, Canteen, Bunk house in a good clean and hygienic condition.
11. Contractor to make own arrangements for any medical exigencies arising from the operations at the drill site / DSA.

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**TECHNICAL SPECIFICATIONS OF RIG–INDICATIVE (For Conventional Rotary Drilling Rig)**

Sr. No.	Specifications	Details of the Rig to be filled by Bidder
1.	<p><b>Type of Rig:</b> A Suitable Drilling Rig (01 no.) with easy placement at the drilling location, catering the full Load requirement and rotary drive for drilling of the wells of depth up to 3000 m. with 5” drill pipes to be provided as per API 4E/4F (Specs.). The rig should be equipped with suitable racking arrangements and complete tackling system to handle required Load</p>	<p>a) Contractor: _____</p> <p>b) Rig Name: _____</p> <p>c) Type &amp; Design: _____</p> <p>d) Name of Manufacturer: _____</p> <p>e) Date of manufacturing: _____</p> <p>f) API Spec: _____</p>
2.	<p><b>Drilling Depth Capability :</b> Rig should be capable of drilling vertical exploratory wells of maximum inclination of 3° up to a depth of 3000 meters with 5” Drill pipes and to lower casing as per well configuration attached. There should be 25% extra marginal pull provision over and above the air weight of maximum load of casings.</p>	<p>All the offered equipment is compatible with the drilling depth rating of the rig:</p> <p><b>Yes/ No</b></p> <p>Depth Capacity of rig: _____</p>
3	<p><b>Mast:</b> Mast should have sufficient hook Load capacity with sufficient clear height for keeping 5” drill pipe, 6 1/2” drill collar or 8” drill collar, 15 stands.</p>	<p>Clear height: _____</p> <p>Load capacity _____ Metric Tons @ 69mph wind</p> <p>Racking capacity: _____ Metric Tons</p>
4	<p><b>Sub-Structure :</b></p> <p>i) Sub-structure should have sufficient clear height below beams to accommodate BOP stack with other drilling equipment beneath the floor.</p> <p>ii) V-door ramp and stairs to sub-structure floor with stair handrails.</p> <p>iii) Two sets of tong back up posts to be</p>	<p>All the offered equipment is in line with the required technical specifications of Sub Structure of the rig:</p> <p><b>Yes/ No</b></p>

	<p>provided for make-up and break out tongs.</p> <p>iv) Rat hole &amp; mouse hole – one each designed with flip up hole covers.</p> <p>v) Deadline Anchor support to be located on carrier at base of the mast / <u>located on Sub structure as per rig design.</u> Deadline Anchor to be grooved for wire line and provision for tension type Load sensor complete with wire line snub.</p> <p>vi) One set of catwalk steel plate top with arrangement to block sliding of pipe at both ends.</p> <p>vii) Air winch installed on Rig floor with air fittings, air filters, lubricators and wire line etc.</p>	Clear height : _____
5	<p><b>Draw-Works:</b> Draw-works should be single or double drum draw-works equipped with adequate capacity auxiliary brake for safe running in of the string. The draw-works also should have reverse rotation facilities.</p>	<p>All the offered equipments are in line with the required technical specifications of the rig:</p> <p><b>Yes/ No</b></p> <p>Manufacturer: _____</p> <p>Model: _____</p> <p>Rated Power _____ HP</p>
6.	<p><b>Hydraulic Cat-head:</b> DrillcoEzy-Torque or equivalent, complete with motor etc.</p>	<p><b>Hydraulic Cat Head Unit:</b> Manufacturer: _____ Model: _____</p>
7.	<p><b>Drum :</b> The drum should have adequate braking system with cooling arrangement.</p>	<p>The offered equipment is in line with the required technical specifications suitable for the rig.</p> <p><b>Yes/ No</b></p>
8.	<p><b>Auxiliary Brake :</b> The rig system shall have ECB / Hydro dynamic / Dynamic Disk brake with brake cooling system.</p>	<p>The offered equipment is in line with the required technical specifications suitable for the rig:</p> <p><b>Yes/ No</b></p>
9	<p><b>Electrical Portable Top Drive :</b> Matching with hook load capacity of the rig . <u>Power:</u> - Motor of suitable rating, non-sparking, flame proof and suitable for hazardous locations. <u>Cooling System:</u> - Motor Cooling System to</p>	<p>Make. _____ Model _____ Rated Load _____ Torque Rating _____ RPM Range _____</p>

	<p>operate with ambient temperature of 50 Degree. Centigrade.</p> <p><b>Torque Requirement:</b> Maximum Continuous Torque – Not Less Than 21,000 ft-lbs. At 100 RPM.</p> <p>Maximum Torque at maximum speed – Not Less Than 11,000 ft-lbs.</p> <p>RPM range – 0-180 (Maximum)</p>	
10	<p><b>Controls :</b></p> <p>Driller’s console shall have the following facilities at Derrick floor</p> <ul style="list-style-type: none"> <li>• Raising and lowering the mast</li> <li>• Emergency shutdown control.</li> <li>• Air operated transmission shift control</li> <li>• Hydraulic tong control</li> <li>• Engine start and kill switches</li> <li>• Slush pumps and DRAW-WORKS throttle controls</li> </ul> <p>Note: Safety of operations, equipment and the well besides the safety of manpower should be the main concern</p>	<p>All the offered equipments are in line with the required technical specifications of Controls of the rig.</p> <p><b>Yes/ No</b></p>
11	<p><b>Draw Works Cooling System:</b></p> <p>The draw works should have a suitable cooling system</p>	<p>The offered equipment is in line with the required technical specifications of Draw Works Cooling System of the rig.</p> <p><b>Yes/ No</b></p>
12	<p><b>Crownomatic and Flooromatic safety device:</b></p> <p>To be provided with the rig</p>	<p>The offered equipment is in line with the required technical specifications of the rig.</p> <p><b>Yes/ No</b></p>
13	<p><b>Crown Block:</b></p> <p>Static Hook Load Capacity matching with the Mast.</p>	<p>The offered equipment is in line with the required technical specifications of the rig.</p> <p><b>Yes/ No</b></p>
		<p>Manufacturer: _____</p>
		<p>Model: _____</p>
	<p>Capacity: _____</p>	
14	<p><b>Travelling Block and Hook:</b></p> <p>Travelling Block Assembly should have sufficient capacities to take the maximum load during lowering of 95/8” casings, 5 ½”</p>	<p>The offered equipment is in line with the required technical specifications of the rig.</p> <p><b>Yes/ No</b></p>

	casing plus 25 % marginal pool for any exigencies.	<b>Traveling Block:</b> Manufacturer _____ Model _____ Capacity _____ <b>Drilling hook:</b> Manufacturer _____ Model _____ Capacity _____
15	<b>Elevator Links:</b> Suitable weldless elevator links to handle the maximum load during drilling and also during casing lowering.	<b>Elevator links:</b> a) Size_____, Make _____ , Model_____, Capacity_____, Last inspection _____by _____ b) Size_____, Make _____ , Model_____, Capacity_____, Last inspection _____by _____
16	<b>Drilling Line Spool:</b> To be located at rear or as per rig design.	Size: _____ Type: _____
17	<b>Rotary Table:</b> 27 ½" Rotary Table with matching Load capacity of Mast. Independent Rotary Table drive is preferred	The offered equipment is in line with the required technical specifications of the rig. <b>Yes/ No</b> Manufacturer: _____ Model: _____ Size: _____ Power: _____
18	<b>Master Bushing:</b> Solid Pin drive Master Bushing compatible with offered 27 ½ " Rotary Table, complete with bit breaker plate and one split type master bushing.	The offered equipment is in line with the required technical specifications of the rig. <b>Yes/ No</b>
19	<b>Casing Bushing:</b> One set of split type Cul Bushing should be available for use with 27 1/2" Rotary Table for different size of Casings (20", 13 3/8", 9 5/8", & 5 ½").	The offered equipment is in line with the required technical specifications of the rig. <b>Yes/ No</b>
20	<b>Insert Bowl:</b> One set of split type insert bowl compatible with master bushing (Bowl-1, 2 & 3).	The offered equipment is in line with the required technical specifications of the rig. <b>Yes/ No</b>

21	<b>Swivel (Optional):</b> Swivel should be fitted with standard bail, wash pipe packing assembly, goose neck hose, connection union for API rotary hose.	Manufacturer: _____ Model: _____ Rated Load: _____		
22	<b>Kelly &amp; Kelly Bushing (Optional):</b> Hexagonal Kelly of 5 1/4" size (OD) having 40' length along with pin insert Kelly bushing compatible with master bushing.-One no.	The offered equipment is in line with the required technical specifications of the rig. <b>Yes/ No</b>		
23	<b>Kelly Spinner (Optional)::</b> One Kelly spinner, air operated with all standard rig up accessories for installation. The spinner is to be compatible for left and right rotation.	The offered equipment is in line with the required technical specifications of the rig. <b>Yes/ No</b>		
24	<b>Kelly Cock (Optional)::</b> Upper Kelly Cock, minimum 5000 psi WP, having LH regular thread connections compatible with swivel and Kelly. –One No. Lower Kelly Cock, minimum 5000 psi WP, having 4 1/2" IF Box RH x 4 1/2" IF Pin RH.- Two Nos.	<b>Kelly Cock (Upper):</b> Manufacturer: _____ Size: _____ Rating: _____		
		<b>Kelly Cock (Lower):</b> Manufacturer: _____ Size: _____ Rating: _____		
25	<b>Kelly Saver Sub (Optional)::</b> Kelly Saver Sub compatible to Kelly and drill pipe connections to be provided.	<b>Kelly Saver Sub:</b> Manufacturer: _____ Size: _____ Rating: _____		
26	<b>BOP Handling System:</b> Suitable BOP handling system with chain & pulley block and platform or BOP trolley to be provided to handle BOP	The offered equipment is in line with the required technical specifications of the rig. <b>Yes/ No</b>		
27	<b>Dog House:</b> Dog house to include standard fittings and arrangements for installation of drilling recorder, other instrumentation and tool box.	The offered equipment is in line with the required technical specifications of the rig. <b>Yes/ No</b>		
28	<b>Mud Pumps:</b> Two numbers of Triplex mud pumps of rated 850/1000 input HP each minimum, driven by suitably rated independent drive electrical motors/driven by diesel engines,with single skid, having spark arrestors and remote shut-off (from driller console), complete with cooling system are to be equipped with	<b>Details</b>	<b>Mud Pump-1</b>	<b>Mud Pump-2</b>
		i) Make		
		ii) Model		

	<p>following :</p> <p>i) Suitable Super Charging system mounted on a separate skid / same skid, connected to the suction tank. Suction and discharge lines are to be equipped with butterfly valves.</p> <p>ii) Suitable oil lubricating system for pump.</p> <p>iii) Liner flushing / cooling system.</p> <p>iv) Pulsation dampener to be provided.</p> <p>v) Full flow shear / reset type pressure relief valve.</p> <p>vi) Suction pulsation dampener.</p> <p>vii) Jib crane with trolley and hand hoist.</p> <p>viii) 5000 psi Pressure Gauge preferably Martin Decker on discharge line.</p> <p>ix) Hydraulic valve seat puller assembly.</p>	<p>iii) Input BHP</p>																														
		<p>iv) Available Liner and Piston sizes in Inch</p>																														
		<p>v) Discharge (GPM) as per Liner Size(s)</p>																														
		<p>vi) Max. Pressure (psi), as per liner Size(s)</p>																														
		<p>vii) Details of Pulsation Dampeners</p>																														
		<p>viii) Details of Supercharger Pumps</p>																														
		<p>ix) Provision of Suction Strainer and Dampeners</p>																														
29	<p><b>Mud Discharge System:</b> One discharge manifold of 5000 psi WP, two <b>parallel mud lines / single mud line</b> between mud pump discharge manifold and mud stand pipe manifold complete with all necessary piping, unions and connections.</p>	<p>The offered equipment is in line with the required technical specifications of the rig.</p> <p><b>Yes/ No</b></p>																														
30	<p><b>Mud Standpipe Manifold:</b> Suitable standpipe manifold with valves &amp; pressure gauges having pressure rating 5000 psi WP is to be provided.</p>	<p>The offered equipment is in line with the required technical specifications of the rig.</p> <p><b>Yes/ No</b></p>																														
31	<p><b>Rotary and Vibrating Hoses:</b> 2 nos. rotary hoses 3 ½" ID x 55' long, 5000 psi WP and 2 nos. vibrating hoses 3 ½" ID x 12' long, 5000 psi WP with suitable size hammer union connections and safety clamps.</p>	<p><b>Rotary Hose Details:</b> Nos._____, Size_____, Length _____ Pressure Rating_____, Make _____, End Connections _____</p> <p><b>Vibrating Hose Details:</b> Nos._____, Size_____, Length _____ Pressure Rating_____, Make _____, End Connections _____</p>																														
32	<p><b>Mud Handling System:</b> i) <b>Active Mud Tanks:</b> Three tank mud system (Shaker tank, intermediate tank and suction tank, each with suitable compartment) with about</p>	<p><b>Mud Tanks:</b></p> <table border="1"> <thead> <tr> <th>Mud Tank</th> <th colspan="3">Active</th> <th colspan="3">Reserve</th> </tr> </thead> <tbody> <tr> <td>Use</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Dimension</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Volume</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Mud Tank	Active			Reserve			Use							Dimension							Volume						
Mud Tank	Active			Reserve																												
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	<p>120 cubic meters active volume with mud ditches and weir gates for control of mud flow.</p> <p>ii) <b>Reserve Mud Tanks:</b> Three nos. reserve mud tanks each having capacity of 40 cubic meters/Two tanks of capacity 60 cubic meters each with provision of mud ditch with gates, and suction valves with all necessary piping and dresser couplings, suction valves and connection for mud and water service. Each reserve tank should have two compartments with provision of transfer mud from active to reserve tank and vice versa and direct connectivity with hopper and delivery.</p> <p>iii) <b>Treatment tank:</b> One tank having capacity of about 6-8 cubic meters is to be provided. All the tanks are to be equipped with adequate mud agitators and mud guns and should be with suitable clean out gates.</p> <p>iv) <b>Trip Tank:</b> One Trip tank complete with Centrifugal pump &amp; Mud Level indicator readable from Driller's station, suitably calibrated. (Capacity-10 m3)</p> <p>v) All mud tanks are to be provided with Drill water &amp; Diesel supply lines (optional).</p>	<p>Agitator</p> <p>Yes / No</p>	<p>Yes / No</p>	<p>Yes / No</p>	<p>Yes / No</p>	<p>Yes / No</p>	<p>Yes / No</p>
		<p>Mud Guns</p> <p>Yes / No</p>	<p>Yes / No</p>	<p>Yes / No</p>	<p>Yes / No</p>	<p>Yes / No</p>	<p>Yes / No</p>
33	<p><b>Mud Mixing System:</b></p> <p>i) Two nos. of low-pressure hoppers with necessary pipelines, valves of pumps suction and discharges from / to suction and treatment tank with suitable motors.</p> <p>ii) Jet Shearing Device</p> <p>iii) Slug Tank – 1 no.</p> <p>iv) Suitable transfer pumps.</p>	<p><b>Details of Mud Mixing System</b></p> <p>a) <b>Hoppers</b> Qty: _____ Size: _____</p> <p>b) Jet Shearing Device (provide Details)</p> <p>c) Slug Pit: _____ bbls.</p>					

		d) Provision of Transfer Pumps: <b>Yes/No</b>
34	<p><b>Linear Motion Shale Shaker :-</b></p> <p>i) 2 nos Dual tandem Linear Motion Shale Shakers of Brandt / Derrick / Kemtron/ MI Swaco or equivalent make only with scalping arrangement having total capacity of 1000 GPM are to be provided with the rig with suitable motor and screen sizes.</p> <p>ii) <b>Screen Washer :</b> High pressure low volume water spray system.</p> <p>iii) <b>Linear Motion Mud Cleaner:</b> Capacity 1000 GPM of Brandt / Derrick / Kemtron/ MI Swaco or equivalent make only.</p> <p>iv) <b>Degasser (Horizontal / Vertical Type):</b> One vacuum type degasser (Horizontal/Vertical Type) of Brandt / Derrick / Kemtron/MI Swaco or equivalent only for handling 1000 GPM gas cut mud.</p> <p>v) <b>Mud Gas Separator (Vertical Type):</b> Multi inner baffles system complete with perforated plates.</p> <p>vi) <b>Jet Shearing Device:</b> Brandt/Derrick/ Kemtron/ MI Swaco or equivalent make:1 No.</p>	<p><b>Linear Motion Shale Shakers:</b> Make. _____ Model _____ Capacity _____ Make. _____ Model _____ Capacity _____</p> <p>The above shale shakers will be provided with replacement screens with 20-250 mesh size.</p> <p><b>Yes/No</b></p> <p><b>Screen Washer:</b> High Pressure Low Volume Water Spray System : <b>Yes/No</b></p> <p><b>Linear Motion Mud Cleaner:</b> Make. _____ Model _____ Capacity _____</p> <p><b>Degasser :</b> Make. _____ Model _____ Capacity _____</p> <p><b>Mud Gas separator : (poor-boy degasser)</b> Make. _____ Model _____ Capacity _____</p>
35	<p><b>Desander :</b> Brandt / Derrick / Kemtron/ MI Swaco or equivalent make only. Two (2) / Three (3) cones unit with minimum 800 GPM with suitable feed pump driven by electric motor with sufficient spare cones.</p>	<p>The offered equipment is in line with the required technical specifications of the rig.</p> <p><b>Yes/ No</b></p>
36	<p><b>Prime Mover &amp; Transmission:</b> The rig should be equipped with suitable prime movers &amp; transmission.</p>	<p><b>Prime Mover:</b> Make. _____ Model _____ Capacity _____ HP for each engine _____ No. Of Engines : _____</p> <p><b>Transmission:</b> Make. _____ Model _____</p>

37	<b>Electrical &amp; lighting system:</b>	Capacity_____
		The offered equipment is in line with the required technical specifications of the rig.
		<b>Yes/ No</b>
	<b>Generator:</b> Two no(s) Generator of minimum 380 KVA, 3 Phase-415V, 50Hz, complete with acoustic enclosure designed as per GPCB guidelines. The complete DG set along with control panel with incoming circuit breaker of suitable capacity having all metering, indication, energy meter. Provision of Neutral Grounding Resistance (NGR) to minimize the fault current below 750ma as per IE Rule 116.( a statutory requirement)	Make._____ Model_____ Capacity_____
	<b>Motor Control Center:</b> AC Motor Control Center, 415 Volt, 3 phase, 50 Hz with 800 Amp (50 KA) bus bars with incoming breaker (ACB) draw out type including O/C, E/F relays. All motor feeders shall have ELR. All motors DOL starters/ Push Button, Junction boxes, distribution boxes installed in zone-I & Zone-II shall have DGMS approval along with valid certificate.	The offered equipment is in line with the required technical specifications of the rig.  <b>Yes/ No</b>
<b>Distribution Section:</b> The power to the starters will be distributed through 3 pole circuit breakers (MCCBS) of different ratings as per the capacities of motors. The panel should also have provision of spare switches for starters as well as rig floor panel, utility house lighting, area lighting and control room lighting etc. as required.	The offered equipment is in line with the required technical specifications of the rig.  <b>Yes/ No</b>	
<b>1. Lighting Fixtures and System:</b> Appropriate lighting fixtures and provision of adequate light in all areas like mast and racking system, catwalk, substructure, mud tanks, mud pump, etc. to be provided with the rig. * Power supply to the lighting feeder shall be 220v Phase to Phase. * All lighting and electrical fixtures installation shall be as per DGMS rules and regulations.	The offered equipment is in line with the required technical specifications of the rig.  <b>Yes/ No</b>	

<p>i) Appropriate AC Power, Control and Cable wiring to be provided to meet the requirement of rig equipment. All cable entry shall be protected by DC cable gland. All cables shall be EPR insulated trailing copper cables.</p>	<p>The offered equipment is in line with the required technical specifications of the rig.  <b>Yes/ No</b></p>
<p>ii) <b>Rig Floor Control Panel:</b> Control panel for rig lighting having CBS (3 Poles-MCCBS) with 10 outlets complete with individual matching plug for termination of cables as required. In dog House &amp; at Rig Floor all distribution control panel, plug and socket, lighting fixtures etc shall be FLP &amp; DGMS approved Emergency shut-off system at driller console in functional condition (A statutory requirement).</p>	<p>The offered equipment is in line with the required technical specifications of the rig.  <b>Yes/ No</b></p>
<p>iii) Earthing for all electrical equipments and gadgets to be provided as per standard practices. * All equipments, motors, PBS, DOL, DB, bunk houses, &amp; metallic structures installed in mines shall be earthed as per IS: 3043 &amp; OISD-216 with suitable size earth conductors.</p>	<p>The offered equipment is in line with the required technical specifications of the rig.  <b>Yes/ No</b></p>
<p>iv) Rig Aviation Light to be provided at the top of the rig mast as per standard practices.</p>	<p>The offered equipment is in line with the required technical specifications of the rig.  <b>Yes/ No</b></p>
<p>v) All rig Electrical crew members including chief electrician shall have, Electrical supervisory certificate for working on 415V AC system &amp; Supervisory Certificate for mines issued by state licensing board, (A statutory requirement).</p>	<p>The offered equipment is in line with the required technical specifications of the rig.  <b>Yes/ No</b></p>
<p>vi) Following tools shall be made available for electrical job but not limited to: a) Multi-meter b) Earth Tester c) Tong Tester d) Electrical tool box\ e) Insulated Hand Glows</p>	<p>The offered equipment is in line with the required technical specifications of the rig.  <b>Yes/ No</b></p>

	<ul style="list-style-type: none"> <li>f) Lux-meter</li> <li>g) Tacho-meter</li> <li>h) FLP Torch</li> <li>i) Fuse Puller</li> </ul>	
	<ul style="list-style-type: none"> <li>vii) <b>Bidder to Ensure:</b> <ul style="list-style-type: none"> <li>a) Bidder to ensure filing of Mines log sheet as IE Rule-131</li> <li>b) Lock-out permit system.</li> </ul> </li> </ul>	<p>The offered equipment is in line with the required technical specifications of the rig.</p> <p><b>Yes/ No</b></p>
	<ul style="list-style-type: none"> <li>viii) Display of following <ul style="list-style-type: none"> <li>a) SLD</li> <li>b) Cable lay-out &amp; Earthing drawing</li> <li>c) Hazardous area classification</li> <li>d) Electrical Shock-treatment chart.</li> </ul> </li> </ul>	<p>The offered equipment is in line with the required technical specifications of the rig.</p> <p><b>Yes/ No</b></p>
	<ul style="list-style-type: none"> <li>ix) Provision of 01 No. 63 KVA DG SET for Emergency Requirement.</li> </ul>	<p>The offered equipment is in line with the required technical specifications of the rig.</p> <p><b>Yes/ No</b></p>
38	<b>Utility Items:</b>	
	<ul style="list-style-type: none"> <li>i) One no. cold start compressor: Cold start portable compressor package or equivalent which should include:- Compressor with constant speed control, inlet filters / silencer, intercooler and relief valve with the following features: Actual delivery - 30-40 CFM Rated Pressure - 150 psi or matching with requirement of rig equipments.</li> </ul>	<p>The offered equipment is in line with the required technical specifications of the rig.</p> <p><b>Yes/ No</b></p> <p>Make. _____ Model _____ Capacity _____</p>
	<ul style="list-style-type: none"> <li>ii) One electrical motor driven compressor and two mechanical compressor as per specification given below: Air Delivery : Minimum 120-150 CFM for Electrical Air Delivery : Minimum 300 CFM for Mechanical Working Pressure: 150 psi or matching with requirement of rig equipments.</li> </ul>	<p>The offered equipment is in line with the required technical specifications of the rig.</p> <p><b>Yes/ No</b></p> <p>Make. _____ Model _____ Capacity _____</p>
	<ul style="list-style-type: none"> <li>iii) <b>MCC / Air Compressor / Air Receiver House:</b> Utility house mounted on two runner skid with sufficient room for electric air compressor, mechanical air compressor &amp; MCC.</li> </ul>	<p>The offered equipment is in line with the required technical specifications of the rig.</p> <p><b>Yes/ No</b></p> <p>Make. _____ Model _____</p>

		Capacity_____
	<p>iv) <b>Air Receiver Tanks :</b></p> <p>One Vertical / Horizontal Air Receiver with suitable capacity and working pressure.</p>	<p>The offered equipment is in line with the required technical specifications of the rig.</p> <p><b>Yes/ No</b></p> <p>Make. _____</p> <p>Model _____</p> <p>Capacity _____</p>
	<p>v) <b>Air Dryer:</b></p> <p>Regeneration type air drier unit with following specification:  Air Pressure: 175 PSIG  Capacity: 100 CFM</p>	<p>The offered equipment is in line with the required technical specifications of the rig.</p> <p><b>Yes/ No</b></p> <p>Make. _____</p> <p>Model _____</p> <p>Capacity _____</p>
39	<p><b>Hydraulic Supply Package:</b></p> <p>2 pumps, each having a capacity of 40 GPM at 2000 psi. Each pump to have sufficient capacity to operate complete rig hydraulic system. One 150 gallon hydraulic tank to be mounted at front of carrier complete with oil level gauge, oil temperature gauge, filter cap, breather and dip stick.</p>	<p>The offered equipment is in line with the required technical specifications of the rig.</p> <p><b>Yes/ No</b></p> <p>Make. _____</p> <p>Model _____</p> <p>Capacity _____</p>
40	<p><b>Water System :</b></p>	
	<p>i) Water tank of 80 cubic meter capacity, with open top, mounted on a three runner's oilfield type heavy duty skid with porch extension for mounting centrifugal water pump.</p>	<p>The offered equipment is in line with the required technical specifications of the rig.</p> <p><b>Yes/ No</b></p> <p>Tank Capacity _____</p>
	<p>ii) Two centrifugal pumps driven by 10 HP explosion proof electric motor complete with all valves, pipings fittings etc. for supplying water to all required points.</p>	<p>The offered equipment is in line with the required technical specifications of the rig.</p> <p><b>Yes/ No</b></p> <p>Make. _____</p> <p>Model _____</p> <p>No. of Pumps _____</p> <p>Capacity of each pump _____</p>
	<p>iii) Drill water filter system along with</p>	<p>The offered equipment is in line with the</p>

	complete accessories & fittings, pumps, motors etc.	required technical specifications of the rig. <b>Yes/ No</b>
	Note: Adequate water arrangements for the operations including emergency requirements and consumption shall be the responsibility of the Contractor	
41	<p><b>Fuel System:</b></p> <p>i) Two numbers of Fuel tanks of approx. 75 cu. m. capacity. Saddle mounted at four placed on three runner oilfield type heavy duty skid. It should have four feet porch extension for mounting two (2) fuel pumps.</p> <p>ii) Pre-filter: 3 plated filter elements each rated to remove solids to 5 microns.</p> <p>iii) <u>Coalescer</u>: Two coalescer elements and 2 separator elements.</p> <p>Note: Permits and arrangement for use of fuel etc. shall be the sole responsibility of the Contractor.</p>	<p>The offered equipment is in line with the required technical specifications of the rig.</p> <p><b>Yes/ No</b></p>
42	<b>Drilling Equipment / Tools (Serviceable):</b>	<b>Tubular Goods:</b> All tubular goods should be as per API Specification 7.
	<p>i) <b>Drill Pipe:</b> 5" D/pipe, range-II, G grade, 19.5 ppf, 4 ½" IF Conn., Class-1 or Premium class – 3000 m.</p>	<p><b>Drill Pipe (note if hard banded) :</b></p> <p>Amount _____</p> <p>Size OD _____</p> <p>Size ID _____</p> <p>Wt. ppf _____</p> <p>Grade _____</p> <p>Condition _____</p> <p>Range _____</p> <p>Tool Joint Size _____</p> <p>Tool Joint Wt. _____</p>
	<p>ii) <b>Drill collar:</b></p> <p>a) 8" D/Collar, 2-13/16" ID, 6-5/8" Reg. Conn., Range-II, Spiral grooved with recess for Elevator and Slip (222.7 kg/m) – 12 singles.</p> <p>b) 6 ½" D/Collar, 2-13/16" ID, Range-II, Spiral grooved, 4 ½" IF / 4" IF Conn. with recess for Elevator and Slip (136 kg/m) – 24 singles.</p> <p>All the above Drill Collars will be Class-I or</p>	<p><b>Drill Collar:</b></p> <p>Amount _____</p> <p>Size OD _____</p> <p>Size ID _____</p> <p>Wt. ppf _____</p> <p>Grade _____</p> <p>Condition _____</p> <p>Range _____</p> <p>Tool Joint Size _____</p> <p>Tool Joint Wt. _____</p>

	Premium Class.	
	<p>iii) <b>Heavy Weight D/Pipe:</b> 5" HWDP, 3" ID, Range-II, (73.5 kg/m) – 24 singles.</p>	<p><b>Heavy Wt. D/Pipe:</b> Amount _____ Size OD _____ Size ID _____ Wt. ppf _____ Grade _____ Condition _____ Range _____ Tool Joint Size _____ Tool Joint Wt. _____</p>
	<p>iv) <b>Cross Overs:</b> All the required substitutes for 26", 17 1/2", 12 1/4", &amp; 8 1/2" size bits and for drill String members shall be provided with the Rig – adequate no. each.</p>	<p>Bidder to give detailed list of cross overs and to confirm categorically to provide all cross over subs matching with the drill string, fishing tools and supplied equipments and for bits as per casing policy to be used.</p>
	<p>v) <b>Safety Valve:</b> Full opening Safety Valve 5000 psi rating compatible with tubular connection shall be provided.</p>	<p>The offered equipment is in line with the required technical specifications of the rig. <b>Yes/ No</b></p>
	<p>vi) <b>Stabilizers:</b> One near bit and two string stabilizers (Integral blade type) for 17 1/2", 12 1/4" and 8 1/2" size.</p>	<p>The offered equipment is in line with the required technical specifications of the rig. <b>Yes/ No</b></p>
	<p>vii) <b>Core Barrel:</b> One no. 6 1/4" /6 3/4" X 4" X 30 Ft. Core Barrel CHRISTENSEN/REED-HYCALOG /HALLIBURTON make complete with all accessories, handling tools &amp; stabilizer with adequate no. of inner fiber core barrel along with necessary cutter, end caps and clamps and compatible core bit for soft and hard formation.</p>	<p>The offered equipment is in line with the required technical specifications of the rig. <b>Yes/ No</b> Make _____ Model _____ Capacity _____</p>
43	<p><b>Rig Floor Handling Equipment (Serviceable):</b></p> <p>i) Elevator (Drill String):</p> <p>a) 5" D/Pipe Elevator- 2 nos.</p>	<p>Handling Tools (provide details of each tool)</p> <p><b>Drill Pipe Elevators:</b> Size _____, Make _____ Model _____, Capacity _____ Last inspection _____ by _____ Size _____, Make _____ Model _____, Capacity _____ Last inspection _____ by _____</p>

	Size _____, Make _____ Model _____, Capacity _____ Last inspection _____ by _____
	<b>Drill Collar Elevators:</b>
b) 8" D/collar Elevator- 2 nos.	Size _____, Make _____ Model _____, Capacity _____ Last inspection _____ by _____
c) 6½" D/Collar Elevator- 2 nos.	Size _____, Make _____ Model _____, Capacity _____ Last inspection _____ by _____
<b>ii) Elevator (Casing):</b>	
a) 20" Casing Elevator-2 nos.	Size _____, Make _____ Model _____, Capacity _____ Last inspection _____ by _____
b) 13 3/8" Casing Elevator-2 nos.	Size _____, Make _____ Model _____, Capacity _____ Last inspection _____ by _____
c) 9 5/8" Casing Elevator-2 nos.	Size _____, Make _____ Model _____, Capacity _____ Last inspection _____ by _____
d) 5½" Casing Elevator- 2 nos.	Size _____, Make _____ Model _____, Capacity _____ Last inspection _____ by _____
e) One number single joint elevator each for 20", 13 3/8", 9 5/8", and 5 1/2" Casing.	The offered equipment is in line with the required technical specifications of the rig.  <b>Yes/ No</b>
<b>f) Rotary Slip:</b> Rotary Slip suitable for Tubular sizes – 2 nos. each	
a) 5" D/Pipe Slip.	Size _____, Make _____ Model _____, Capacity _____ Last inspection _____ by _____
b) 8" D/Collar Slip.	Size _____, Make _____ Model _____, Capacity _____ Last inspection _____ by _____
c) 6 ½" D/Collar Slip.	Size _____, Make _____ Model _____, Capacity _____ Last inspection _____ by _____
<b>g) Casing Slip:</b> Casing Slips suitable for casing sizes – two nos. each	
a) 20" Casing Slip.	Size _____, Make _____ Model _____, Capacity _____ Last inspection _____ by _____
b) 13 3/8" Casing Slip.	Size _____, Make _____

	Model _____, Capacity _____ Last inspection _____ by _____
c) 9 5/8" Casing Slip.	Size _____, Make _____ Model _____, Capacity _____ Last inspection _____ by _____
d) 5 1/2" Casing Slip.	Size _____, Make _____ Model _____, Capacity _____ Last inspection _____ by _____
<b>h) Safety Clamp for D/Collar:</b> Safety Clamp for 8" D/C - 01 no. Safety Clamp for 6 1/2" D/C - 01 no.	The offered equipment is in line with the required technical specifications of the rig.  <b>Yes/ No</b>
<b>i) Power Tong:</b>	
a) Rotary Tong type DB for D/Pipe, D/Collar and Casing pipes of all sizes, complete with jaws for each size, along with lug jaw assembly of 8" – 11 1/4" and 11 3/4" -14 3/8"-1 set	Size _____, Make _____ Model _____, Capacity _____ Last inspection _____ by _____
	Size _____, Make _____ Model _____, Capacity _____ Last inspection _____ by _____
<b>j) Casing Tong :</b> Hydraulic casing tong (5" – 20") with sets of jaws for, 5 1/2", 9 5/8", 13 3/8" and 20" – 1 set.	Size _____, Make _____ Model _____, Range _____ Last inspection _____ by _____
<b>k) Quick Release Casing Thread Protectors :</b> One set consisting 3 nos. of each size of CLAMP-ON or equivalent thread protectors for above casings.	To be filled in by
<b>l) Scrappers for 9 5/8", &amp; 5 1/2" Casings.</b>	
<b>m) Bit Breaker:</b> Bit Breaker for 26", 17 1/2", 12 1/4", 8 1/2" Bit -1 no. each. Bit Breaker adapter plate - 1 no.	Bidder confirms to provide.  <b>Yes / No</b>
<b>n) Bit Gauge:</b> Bit gauge for 26", 17 1/2", 12 1/4", 8 1/2" & Bit -1 no. each	Bidder confirms to provide.  <b>Yes / No</b>
<b>o) Circulating Head:</b> Circulating heads for 5" D/Pipe, , 20" Casing, 13-3/8" Casing, 9-5/8" Casing& 5 1/2" Casing – 1no. each	Size _____, Connection _____
<b>p) Mud Saver Basket:</b> Mud Saver Basket for 5", D/Pipes – 1 no. each  Or	Bidder confirms to provide.  <b>Yes / No</b>

	Mud Saver Basket with different rubber sizes for 5", D/Pipes.	
	<b>q) Spinning Wrench:</b> Pneumatic / Hydraulic Pipe Spinning Wrench for 5" / Pipes with right & left hand rotation, complete with all accessories – 1 set.	The offered equipment is in line with the required technical specifications of the rig. <b>Yes/ No</b>
	<b>r) Casing drift Gauge:</b> Casing drift gauges as per API Standards for 20", 13 3/8", 9 5/8", & 5 1/2" Casing size of commonly used weight would be provided.	Bidder confirms to provide. <b>Yes / No</b>
	<b>s) Lifting sub for Drill Collars in adequate quantity</b>	Bidder confirms to provide. <b>Yes / No</b>
44	<b>Fishing Tools:</b> Fishing Tools must be of any of the following makes: National Oil Well (BOWEN / GRIFFITH), Weatherford, Smith Intl. or Baker Oil Tools make	Details of Fishing tools should be provided for Contractor's tubulars for various hole sizes.
	<b>i) Over Shot:</b> Releasing and circulating type overshot complete with all standard accessories for various hole sizes 17 1/2", 12 1/4", 8 1/2" and inside /5 1/2" casing. All sizes grapples should be available for contractor's drill string.	Bidder confirms to provide. <b>Yes / No</b>
	<b>ii) Reverse Circulating Junk Basket:</b> Reverse Circulating Junk Basket complete with all accessories for 17 1/2", 12 1/4", 8 1/2" hole sizes.	Bidder confirms to provide. <b>Yes / No</b>
	<b>iii) Junk Sub:</b> Junk Sub for operation in 17 1/2", 12 1/4", 8 1/2" hole sizes.	Bidder confirms to provide. <b>Yes / No</b>
	<b>iv) Fishing Jar and Bumper Sub</b> For 12 1/4", 8 1/2", hole – 1 nos each.	Bidder confirms to provide. <b>Yes / No</b>
	<b>v) Fishing Magnet:</b> Fishing Magnets – 10 1/2", 7" size for hole sizes 12 1/4", 8 1/2" respectively.	Bidder confirms to provide. <b>Yes / No</b>
	<b>vi) Impression Block:</b> Impression Block' of OD 12", 8".	Bidder confirms to provide. <b>Yes / No</b>
	<b>vii) Other Fishing Tools:</b> Other Fishing Tools compatible to hole size like surface Jar, Fishing jar, Bumper Sub, Spear, Rotary Taper Tape etc. shall be provided. Sufficient	Bidder confirms to provide. <b>Yes / No</b>

	quantity of ITCOLOY, TINNING ROD & BRAZING FLUX to be kept in stock to dress worn out mill or shoe as and when required.																																	
	viii) <b>Safety Joint:</b> To suit different fishing tools. – 1 set each.	Bidder confirms to provide. <b>Yes / No</b>																																
	ix) <b>Junk Mill:</b> For use in 12 ¼", 8 ½" hole. – 1 each.	Bidder confirms to provide. <b>Yes / No</b>																																
45	<b>BOP Equipment:</b> BOPs must be of HYDRIL, CAMERON OR NOV (SHAFFER) / WOM /T3 make only. BOPs of any other make will not be acceptable	<b>Blow out Preventer stack:</b> Bidder to provide complete BOP stack Diagram and details																																
		<table border="1"> <thead> <tr> <th>Size</th> <th>Make. &amp; Type</th> <th>Rating PSI</th> <th>Response Time</th> <th>Gallons to close</th> <th>Gallons to open</th> <th>Closing Ratio</th> <th>Opening Ratio</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Size	Make. & Type	Rating PSI	Response Time	Gallons to close	Gallons to open	Closing Ratio	Opening Ratio																								
Size	Make. & Type	Rating PSI	Response Time	Gallons to close	Gallons to open	Closing Ratio	Opening Ratio																											
	a) <b>Annular Blow Out Preventer:</b> Annular BOP 13 5/8" X 5000 psi working pressure including all standard accessories.	Bidder confirms to provide. <b>Yes / No</b>																																
	b) <b>Ram Type Blow out Preventer:</b> Double Ram type BOP, 13/5/8" x 5000 psi working pressure, hydraulically operated with manual locking systems, fitted with 1 set of 5" pipe rams in bottom cavity and 1 set of blind or blind / shear ram in top cavity, two 5000 psi working pressure top and two 5000 psi working pressure bottom side outlets (4 1/16", 5000 psi WP including all standards accessories. Ram assemblies for casing size 9 5/8", 7" and 5 1/2". One set Ram assembly for 5" Drill Pipe size.	Bidder confirms to provide. <b>Yes / No</b>																																
	c) One no. double Ram BOP 7 1/16" – 5000 psi WP complete with 3 ½" & 2 7/8" D/Pipe Ram assemblies	Bidder confirms to provide. <b>Yes / No</b>																																
	d) <b>Kill Valves at BOP stack &amp; Kill manifold:</b> 4-1/16"/ 3 1/8" x 5000 psi Working Pressure, hydraulically operated gate complete with manual override (HCR)	Bidder confirms to provide. <b>Yes / No</b>																																
	e) 2 1/6" 5000 psi WP Valve junction inclusive of one 2 1/16"-5000 psi WP Check valve for kill manifold-1 No	Bidder confirms to provide. <b>Yes / No</b>																																
	f) <b>Drilling Spool:</b>	Bidder confirms to provide.																																

	<p>13-5/8" flanged ended with two flange side outlets 4 1/16"/3 1/8"/3 1/16" 5000 psi WP – 1 No.</p>	<p><b>Yes / No</b></p>
	<p><b>g) Adapter Spool:</b>  Double studded adapter flange 13-5/8" – 3000 to 13 5/8" – 5000 psi WP, complete with nuts to match BOP stack &amp; well head – 1 No.  Double studded adapter flange 11" – 5000 psi to 13 5/8" – 5000 psi WP, complete with nuts to match BOP stack &amp; well head – 1 No.</p>	<p>Bidder confirms to provide.  <b>Yes / No</b></p>
	<p><b>h) Choke valves at BOP Stack:</b>  4 1/16" /3 1/8"– 5000 PSI WP, hydraulically operated gate valve complete with manual override – (HCR Valve) 1 No.  4 1/16"/3 1/8" – 5000 psi WP, manually operated gate valve – 1 No.</p>	<p>Bidder confirms to provide.  <b>Yes / No</b></p>
	<p><b>i) BOP Accumulator Unit:</b>  M-80 Koomy make BOP Accumulator unit or equivalent model of Shaffer / Stewart Stevenson / ABB, skid mounted, 3000 psi WP, consisting of :</p> <ul style="list-style-type: none"> <li>• Separator type accumulators: 20 Nos.</li> </ul> <p>One (1) triplex plunger pump, driven by electric motor, pump capacity will meet API requirement and standard industry practice.</p> <ul style="list-style-type: none"> <li>• Air operated pumps (3 nos.) to operate with maximum air supply capacity air will meet API requirements and standard industry practice.</li> <li>• BOP fluid reservoir.</li> <li>• Pressure relief valve</li> <li>• Manifold for operating the following BOP stack functions, complete in assembly: <ul style="list-style-type: none"> <li>• Annular BOP</li> <li>• Upper Ram BOP</li> <li>• Lower Ram BOP</li> <li>• Hydraulically operated valves</li> </ul> </li> <li>• Remote air operated control panel for operating the unit from the drill floor as well as from tool pusher room, complete with the all standard accessories, air hose, handle, junction boxes etc.</li> <li>• Accumulator bladders charging and gauging assembly. Necessary high</li> </ul>	<p>Bidder confirms to provide.  <b>Yes / No</b></p>

	pressure hoses and chickens piping to connect accumulator unit to the BOP stack.	
	<p><b>j) Choke &amp; Kill Manifold:</b> Choke &amp; Kill manifold assembly 4 1/16"/3 1/8"-5000 psi WP, with :</p> <ul style="list-style-type: none"> <li>• One remotely operated hydraulic choke with position indicator, 5000 psi WP or above</li> <li>• One manually adjustable choke 5,000 psi WP</li> <li>• Gate valve, block crosses, tees, pressure gauges &amp; Transmitters as necessary</li> <li>• Other Accessories.</li> </ul>	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>
	<p><b>k) BOP Test Stump:</b> One number Test Stump of 5M rating.</p>	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>
	<p><b>l) BOP Testing Unit:</b> 5M working pressure with recorder.</p>	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>
	<p><b>m) Inside BOP/ Drop in Check Valve:</b> One number GRAY or Equivalent make 5" inside BOP/Drop In Check Valve with 5M W.P for 5" OD D/P.-One no.</p>	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>
	<p><b>n) Test Plug / Cup Tester:</b> for 9 5/8" casing (40 to 47 ppf), and 5 1/2" casing (17 to 20 ppf ) with 4 1/2" IF connection</p>	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>
	<p><b>o) Verti-Track for drilling 17 1/2",12 1/4", 8 1/2" hole (optional)</b></p>	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>
	<p><b>p) Mud motor &amp; turbine of 8" O.D and 61/4"/6 1/2" O.D (optional)</b></p>	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>
46	<b>Drilling Instruments:</b>	
	<p>i) Weight Indicator System: Martin Decker type "E" or equivalent for 50000 – 75000 lbs single line Load complete with sensor and hose long enough to run from deadline anchor to Driller's console</p>	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>
	<p>ii) Pump Pressure Gauge System : Console mounted gauge, 0-350 kg/cm2 (5,000 psi) complete with diaphragm protector and high pressure hose to run between stand</p>	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>

	pipe manifold and driller's console	
	iii) Tong torque indicator system: Console mounted gauge, 0-9050 kgf tong line pull, complete with Load cylinder sensor and high pressure hose to run between sensor and driller's console	Bidder confirms to provide. <b>Yes / No</b>
	iv) Rotary RPM tachometer / proximity switch system: Console mounted gauge, electric, two scales: 0-150 RPM AND 0-300 RPM or One scale: 0-200 RPM, electric cable to run between the rotary and driller's console	Bidder confirms to provide. <b>Yes / No</b>
	v) Mud pump SPM system for three mud pumps: Console mounted gauges 0-200 SPM. Electric cable to run between mud pumps and driller's console	Bidder confirms to provide. <b>Yes / No</b>
	vi) Driller's Instrumentation Console: Martin Decker or equivalent instrumentation system capable of recording <ul style="list-style-type: none"> <li>• Hook Load (Tons)</li> <li>• Weight on Bit (Tons)</li> <li>• Penetration rate (Minutes/Meter)</li> <li>• Rotary / Top drive Speed (RPM)</li> <li>• Rotary / Top drive Torque (Kg-m)</li> <li>• Pump / Standpipe Pressure (Kg/cm<sup>2</sup>)</li> <li>• Mud pump No.1 SPM</li> <li>• Mud pump No.2 SPM</li> <li>• Mud pump No.3 SPM</li> <li>• Total SPM</li> <li>• Total Stroke Counter</li> <li>• Tonne Mile Indication</li> <li>• Tong line pull indication (kgf)</li> <li>• Trip Tank Level/Volume</li> <li>• Active MudPit Volume (M<sup>3</sup>)</li> <li>• Mud Gain / Loss (M<sup>3</sup>)</li> <li>• Depth of Hole (Meters)</li> <li>• Bit Position (Meters)</li> <li>• Return Mud Flow</li> <li>• Mud Density In / Out</li> <li>• Casing Pressure (Kg/cm<sup>2</sup>)</li> <li>• HC Gas Sensors</li> <li>• Drilling Parameter Recorder (Minimum 7 Channel) to be provided for continuous recording of the above</li> </ul>	Bidder confirms to provide. <b>Yes / No</b>

	<p>mentioned parameters.</p> <p>Or</p> <p>Advanced integrated drilling instrumentationsystem like DS-2000 or Mud watch which are computer based with digital read to be provided for online monitoring at the base office and Company man office.</p> <p>One Monitor along with Printer to be provided at Company man Bunk House for continuous monitoring of the above mentioned drilling parameters and taking record-o- graph printouts.</p>							
	<p>vii) All provisions required as per DGMS / GPCB / OISD including Audio Visual General Alarm System to be provided along with Public Address System.</p>	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>						
	<p>viii) Telephone System: One complete telephone system for communication between rig floor and other areas of the rig to be provided and provision for Internet connectivity.</p>	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>						
	<p>ix) Hand held Radios (Intrinsically Safe) adequate number (minimum 3) of hand held intrinsically safe radios to be provided.</p>	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>						
	<p>x) Calibrated Pressure Gauges are to be provided at Stand pipe manifold, Choke manifold, Discharge of individual mud pumps.</p>	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>						
	<p>xi) One number of calibrated Portable Multi Gas Detector capable of detecting Hydrocarbon</p>	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>						
47	<p>i) <b>Safety Equipment:</b></p> <p>Safety Equipment: Necessary and adequate fire fighting and safety equipment to comply with requirements of DGMS &amp; OISD for land drilling rigs and shall include a minimum of the following:</p> <table border="1"> <thead> <tr> <th>Type of Area</th> <th>Portable extinguisher</th> </tr> </thead> <tbody> <tr> <td>Derrick Floor</td> <td>2 nos. 10 Kg. DCP Extinguisher</td> </tr> <tr> <td>Main Engine area</td> <td>1 no. 10 Kg. DCP Extinguisher for each</td> </tr> </tbody> </table>	Type of Area	Portable extinguisher	Derrick Floor	2 nos. 10 Kg. DCP Extinguisher	Main Engine area	1 no. 10 Kg. DCP Extinguisher for each	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>
Type of Area	Portable extinguisher							
Derrick Floor	2 nos. 10 Kg. DCP Extinguisher							
Main Engine area	1 no. 10 Kg. DCP Extinguisher for each							

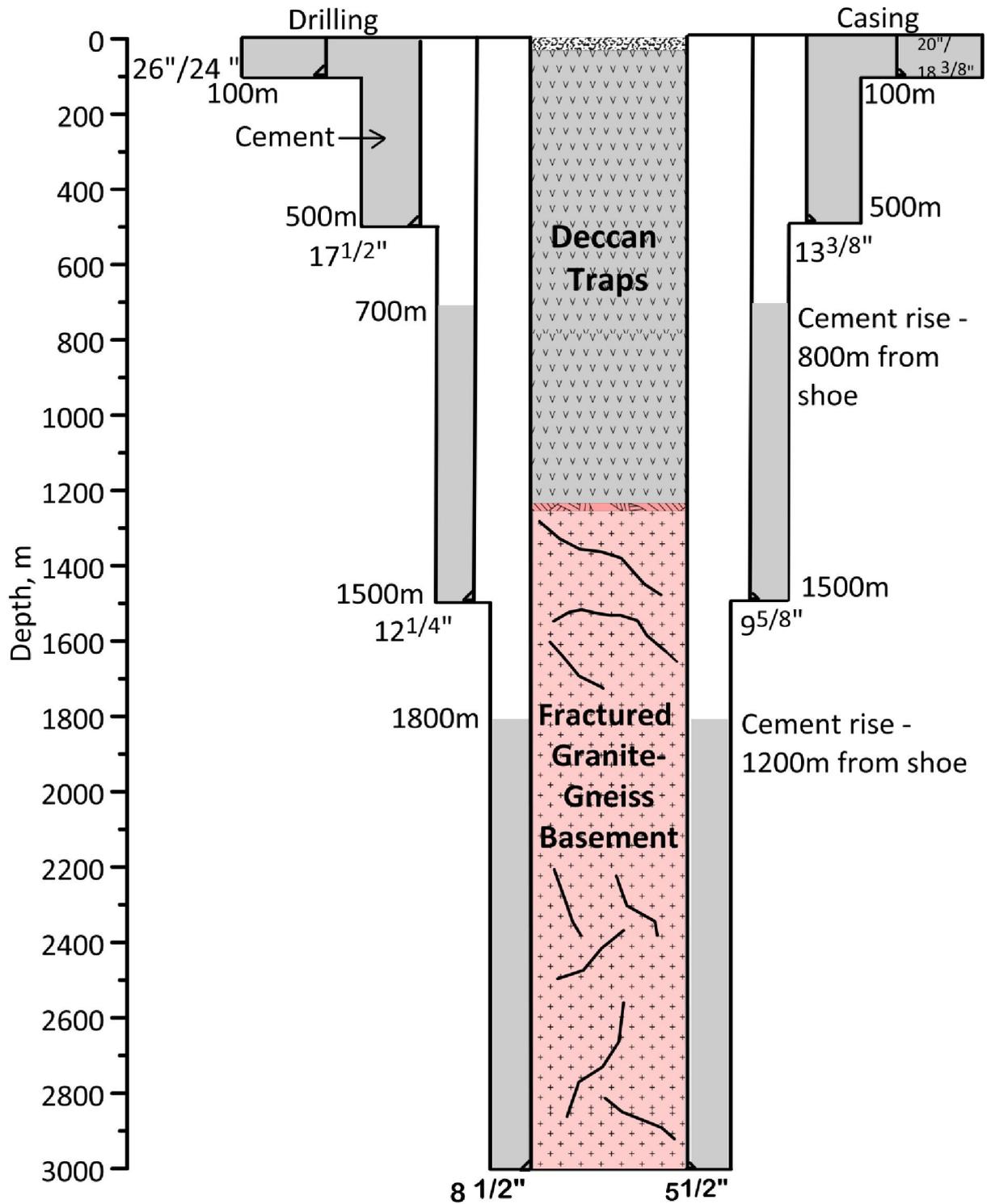
	Engine	
Electric motor / Pump For water circulation For mud preparation	1 no. 10 Kg. DCP Extinguisher	
Mud gunning pump Area	1 no. 10 Kg. DCP Extinguisher for each Mud gunning pumps.	
Electric Control Room (PCR).	1 no. 6.8 Kg CO2 Extinguishers for each Unit. 1 no. 10 Kg. DCP Extinguisher for each unit	
Mud mixing tank Area/chemical lab	1 no. 10 Kg. DCP Extinguisher	
Diesel storage area	1 no. 50 ltrs Mechanical Foam extinguisher 1 no. 50 Kg. DCP Extinguisher 2 nos. 10 Kg. DCP Extinguisher 2 nos. and bucket or ½' sand drum with Spade	
Lube storage area	1 no. 10 Kg. DCP Extinguisher 1 no. sand bucket stand	
Air compressor area	1 no. 10 Kg. DCP Extinguisher	
Fire pump area	1 no. 10 Kg. DCP Extinguisher	
DIC office	1 no. Fire Extinguisher Shed near DIC office with 3 nos 10 Kg. DCP Extinguisher and 2 nos. sand bucket.	
Fire Bell near bunk House	1 no.	
Type of Area	Portable extinguisher	
ii) Fixed fire fighting system as per OISD Standard 189		Bidder confirms to provide.  <b>Yes / No</b>
iii) <b>Derrickman's safety equipment:</b> As follows:		Bidder confirms to provide.

	<ul style="list-style-type: none"> <li>• Derrickman's escape device complete with inertia brake, wireline, anchor, clamps and of chair type suitable for use for two persons one by one ( DGMS Approved ) – 1 set</li> <li>• Derrickman's safety belt – 2 sets</li> <li>• Fall prevention device counter weight type for climbing assistance for 2 persons</li> </ul>	<b>Yes / No</b>
48	<b>Hand Tools:</b>	
	<b>i) Shift Worker's Tools:</b> All necessary and complete set of hand tools for Shift worker's use to be provided.	Bidder confirms to provide.  <b>Yes / No</b>
	<b>ii) Mechanic's Tools:</b> All necessary and complete set of hand tools required for general mechanical maintenance of rig to be provided.	Bidder confirms to provide.  <b>Yes / No</b>
	<b>iii) Electrician's Tools:</b> All necessary and complete set of hand tools required for general electrical maintenance of rig to be provided.	Bidder confirms to provide.  <b>Yes / No</b>
	<b>iv) Driller's Tools:</b> All necessary tools for Driller's / Asst. Drillers use to be provided.	Bidder confirms to provide.  <b>Yes / No</b>
	<b>v) Miscellaneous:</b> Necessary testing and maintenance tools such as: <ul style="list-style-type: none"> <li>• Slings</li> <li>• Ropes</li> <li>• Block and tackle</li> <li>• Chains</li> <li>• Rig washing detergent</li> <li>• Brushes, brooms, rags etc. to be provided.</li> </ul>	Bidder confirms to provide.  <b>Yes / No</b>
49	<b>Other Equipment:</b>	
	<b>i) Welding machine:</b> Welding Transformer / Welding machine, diesel engine driven, 300 amp rating complete with cable, clamps welding rod holder, welding helmet, chipping hammers and all associated welding and cutting	Bidder confirms to provide.  <b>Yes / No</b>

	apparatus – 1 set	
	<p>ii) <b>Oxygen-acetylene welding equipment:</b>  Oxygen-acetylene welding equipment including oxygen and acetylene bottles, bottle stand, regulators, hoses, brazing and cutting nozzles, strikers, tip cleaners, goggles, and tool box for welding accessories – One set</p>	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>
	iii) Rig warehouse skid set– 1set	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>
	iv) Rig workshop skid – 1set	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>
	<p>v) <b>Pipe bins:</b>  Pipe bins as required for transportation of piping spools hoses, equipment, tools etc during rig move – 1 lot.</p>	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>
	<p>vi) <b>Pipe racks:</b>  Pipe racks as required for racking of drill pipes and casing.</p>	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>
	<p>vii) <b>Electric generator unit:</b>  Electric generator unit, portable diesel driven 7.5 KW continuous rating, skid mounted, complete with all controls and standard accessories – 01 set.</p>	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>
	<p>viii) <b>Drilling line spool carrier:</b>  Drilling line spool carrier fitted with motor and gear box and skid mounted or mounted in substructure or Drilling line spool fitted in Rig carrier as per rig design. – 01 no.</p>	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>
	<p>ix) <b>Cellar Pump:</b>  Cellar pump, pneumatic / Electrical pump (with flame proof motor), complete with all necessary fitting and sufficient hose for section from cellar and discharge into tank or waste pit - 01 set.</p>	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>
	x) Bell nipple – 01 no.	<p>Bidder confirms to provide.</p> <p><b>Yes / No</b></p>

	xi) Bug blower – 2 nos.	Bidder confirms to provide.  <b>Yes / No</b>
50	<p><b>Transport Equipment:</b></p> <p>i) Crane: Suitable capacity - 01 No. Note: One additional Crane to be made available at site during casing lowering operations.</p> <p>ii) Emergency vehicle: 01 no. with necessary First-Aid facility and stretcher. Vehicle should be equipped with vehicle exhaust spark arrester.</p>	Bidder confirms to provide.  <b>Yes / No</b>
51	<p><b>Camp Facilities:</b></p> <p><b>DSA:</b> Suitable DSA for contractor's personnel / NCAOR / third party personnel of NCAOR with medical facility, recreation and office. DSA &amp; Office requirement of NCAOR :</p> <p>i) A/C office bunk house for company man as office cum accommodation with Table chair, Almirah, Attached toilet, Computer, Printer, Photo copier, Fax, Internet, UPS and other office facilities.</p> <p>ii) A/C bunk house having office facility for Chemist/ Geologist with the same facilities as mentioned above at Sl. No. – 1</p> <p>iii) Four bed A/C bunk house for accommodation of NCAOR Officers.- one</p> <p>iv) All bunk houses are to be provided with fire-fighting and first aid systems.</p> <p>v) All bunk houses / accommodation shall be provided with residual current devices to avoid electrocution &amp; short circuit</p>	Bidder confirms to provide.  <b>Yes / No</b>
52	<p><b>Casing Policy: (Generalized)</b></p> <p>The casing policy to be used will be as follows: 20"x 13 3/8" x 9 5/8" x 5 1/2" / casing up to surface As per well requirement</p>	

## Tentative Well Configuration and General Litholog



Note: The casing setting depths are tentative and may vary as per technical requirements.

**A. Specifications of casings**

1. Casings should be new and unused, conforming to API standard.
2. Sizes: 20" / 18 5/8" J55 grade, 96-106 ppf – 110m length (approx.)
3. 13 3/8" J55 grade, 61 ppf – 550m (approx.)
4. 9 5/8" N80 grade, 40 ppf-1650m (approx.)
5. 5 1/2" N80 grade, 20 ppf-3300m (approx.)

**B. Specifications of well head and X-mas tree:**

- The well head and X-mas tree should be new and unused, and conform to API standards.
- Both well head and X-mas tree should be of same make.
- These items should be manufactured by any of BHEL/FMC /Cameron.
- The well head should be of 3 Casing Policy accommodating 13 3/8" X 9 5/8" X 5 1/2" casing configuration.
- The configuration of the well head will be 13 5/8" (Bowel) – 3000 psi X 11" casing head (5000 psi) X 7 1/16" tubing spool (5000 psi) complete in all respects along with slip and seal assembly and tubing hanger and test plug of different sections.
- The compatible X-mas tree with all accessories is to be provided along with the well head.

**(TO BE FILLED IN BY BIDDER FOR OFFERED RIG)**

<b>Sr. No.</b>	<b>Details</b>
1.	Contractor:
2.	Rig Name:
3.	Type & Design:
4.	Date of Construction:
5.	Drill Unit: Bidder to confirm categorically that all the offered equipments are compatible with the drilling depth rating of the rig.
	i) Depth rating of rig _____ Basis _____
	ii) Hoisting equipment _____
	iii) Mast (derrick) Make. _____ size _____ Load capacity (Metric Tones or Kilo Pounds) _____ Racking capacity _____ Last Inspection _____ by _____
	iv) Draw works : Make. _____ Model _____ Power _____
	v) Hydraulic cat head unit : Make _____ Model _____
	vi) Crown Block Make. _____ Model _____ Capacity _____
	vii) Travelling Block Make. _____ Model _____ Capacity _____
	viii) Drilling hook : Make. _____ Model _____ Capacity _____
	ix) Top Drive System – Electrical Make _____ Model _____ Capacity _____ Torque rating – Continuous _____ at _____ RPM Intermittent _____ at _____ RPM Power requirement _____ Power source _____
	x) Inside BOP: Rating Upper _____ psi, Lower _____ psi
	xi) Pipe Handler details: Make. _____ Model _____ Tonnage Capacity _____ Torque _____
6.	Drill Pipe Elevators
	i) Size _____, Make _____, Model _____, Capacity _____, Last inspection _____, by _____
	ii) Size _____, Make _____, Model _____, Capacity _____, Last inspection _____, by _____

	iii) Size _____, Make _____, Model _____, Capacity _____, Last inspection _____, by _____
7.	Elevator Links
	i) Size _____, Make _____, Model _____, Capacity _____, Last inspection _____, by _____
	ii) Size _____, Make _____, Model _____, Capacity _____, Last inspection _____, by _____
8.	Pipe Rack
	a.
	b.
9.	Drilling line size and type _____
10.	Rotating equipment
	a. Rotary table: Make. _____, Model _____, size _____ Power _____
	b. Swivel: Make. _____, Model _____, size _____ Power _____
	c. Kelly: Make. _____, Model _____, size _____ Power _____
	d. Kelly Cock (Upper & Lower): <ul style="list-style-type: none"> <li>• Make. _____, size _____, Rating _____</li> <li>• Make. _____, size _____, Rating _____</li> </ul>
11.	Drilling instrumentation (list drilling recorders etc installed)
	Weight Indicator : Make _____, Model _____
	Mud Gauge Assembly : Make _____, Model _____
	Tong Torque Indicating system : Make _____, Model _____
	Rotary RPM : Make _____, Model _____
	Rotary Torque : Make _____, Model _____
	Mud Pump SPM / Tachometer system: Make _____, Model _____
	Pit Volume Totalizer: Make _____, Model _____
	Pit Volume Indicator: Make _____, Model _____

	Mud Flow Fill: Make _____, Model _____					
	Pen Recorder : to record Hook Load, ROP, Mud Pump Pressure, Rotary Torque, Rotary RPM, Mud Pump SPM.					
12.	Circulating System:					
	a. Mud Pumps					
	<b>Make.</b>	<b>Model</b>	<b>HP</b>	<b>Available Liner</b>	<b>Power</b>	<b>Discharge</b>
	1					<b>Max. Pressure</b>
	2					
	3					
	Details of Pulsation Dampner					
	Details of Super Charger Pumps					
	b. Rotary hose: Nos. _____ Size _____ Length _____ Pressure Rating _____					
	c. Mud Storage Tanks					
	<b>S.N</b>	<b>USE</b>	<b>Dimensions</b>	<b>Volume</b>	<b>Agitators</b>	<b>Mud Guns</b>
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	i. Trip Tank: (Complete with Centrifugal pump & Mud Level indicator readable from Driller's station)					
	Capacity (bbl)			Centrifugal pump details		
	ii. Slug Pit:					
	Capacity (bbl)			Centrifugal pump details		
	iii. Chemical Mixing Tanks:					
	Capacity (bbl)			Centrifugal pump details		
13.	Mud Mixing Equipment					
	LP Hoppers Qty.: _____ Size _____					

	Jet Shearing Device (provide details) _____							
14.	Pit level indicators Pumps: Qty.:_____ Make / Model _____							
15.	Flow Indicator							
16.	Linear Motion Mud Cleaner: Make._____ Model _____ Capacity_____							
17.	Shale Shakers  <u>Linear Motion Shale Shakers -2 Nos.</u>  Make._____ Model _____ Capacity_____							
	Make._____ Model _____ Capacity_____							
	The above shale shakers will be provided with replacement screens with 20 – 250 mesh size.							
	Screen Washer: High Pressure Low Volume Water Spray System:							
18.	Degasser: Make._____ Model _____ Capacity_____							
19.	a) Mud Gas separator : Make._____ Model _____ Capacity_____ (poor-boy degasser)							
	b) Centrifuge (Min 300-350 GPM ) : Make._____ Model _____ Capacity_____							
	c) De-sander capacity of 800 – 1100 G.P.M. : Make._____ Model _____ Capacity_____							
20.	Power Plant: No. of Engines _____ Make. _____ Model_____ HP_____							
21.	Choke / Kill manifold : Size _____ Rating_____							
22.	Chokes : i) Type _____ Rating _____ ii) Type _____ Rating _____ iii) Type _____ Rating _____ iv) Type _____ Rating _____							
23.	Bop Stack:							
	size	Make.	Rating	Response	Gallons	Gallons	Closing	Opening

	&Type	Psi	Time	to Close	to Open	Ratio	Ratio
24.	Available rams (Specify sizes):						
25.	Kill & Choke Valves (main stack) :  i) Make. & type_____, Size_____, Rating_____, Hyd.Optd._____ ii) Make. & type_____, Size_____, Rating_____, Hyd.Optd._____ iii) Make. & type_____, Size_____, Rating_____, Hyd.Optd._____ iv) Make. & type_____, Size_____, Rating_____, Hyd.Optd._____						
26.	No. of Side Outlets_____ Location _____ Provide complete BOP stack Diagram.						
27.	X over spools for BOPs to match 2000 psi, 3000 psi, 5000 psi well head  a) b) c) d)						
28.	Spacer spool						
	Size_____ Rating_____ Length_____						
	Size_____ Rating_____ Length_____						
29.	BOP Handling System						
30.	a) BOP Control system  Manufacturer:  No. of Accumulator Bottles_____, Make._____, Type_____  Charge Pr._____ Rated Volume each bottle_____ Usable Volume each bottled____  Total volume to open and close all preventors  Operating Pressure_____ Total Volume_____ Surplus Volume____%						

	b) BOP Remote Control Panel Location: Drill Floor _____ Tool Pusher officer _____, Other Location _____
	c) Whether BOP control system meets API regulations: _____
31.	BOP testing equipment & tools
32.	Tubular Goods: Drill Pipe (note if hard banded)
	i. Nos. _____ Size OD _____ ID _____ weight ppf _____ Grade _____ Condition _____ Range _____ Tool Joint _____ Size and Weight _____
	ii. Nos. _____ Size OD _____ ID _____ weight ppf _____ Grade _____ Condition _____ Range _____ Tool Joint _____ Size and Weight _____
	iii. Nos. _____ Size OD _____ ID _____ weight ppf _____ Grade _____ Condition _____ Range _____ Tool Joint _____ Size and Weight _____
	iv. Nos. _____ Size OD _____ ID _____ weight ppf _____ Grade _____ Condition _____ Range _____ Tool Joint _____ Size and Weight _____
33.	Heavy – Weight Drill Pipe
	i. Nos. _____ Size OD _____ ID _____ weight ppf _____ Grade _____ Condition _____ Range _____ Tool Joint _____ Size and Weight _____
	ii. Nos. _____ Size OD _____ ID _____ weight ppf _____ Grade _____ Condition _____ Range _____ Tool Joint _____ Size and Weight _____
34.	Drill Collars
	i) Nos. _____ Size: OD _____ ID _____ weight ppf _____ Length _____ Spiral _____ Connection _____ Condition _____
	ii) Nos. _____ Size: OD _____ ID _____ weight ppf _____ Length _____ Spiral _____ Connection _____ Condition _____
	iii) Nos. _____ Size: OD _____ ID _____ weight ppf _____ Length _____ Spiral _____ Connection _____ Condition _____

	iv) Nos. _____ Size: OD _____ ID _____ weight ppf _____ Length _____ Spiral _____ Connection _____ Condition _____			
	v) Inspection schedule on all Tubulars, when last inspected and by whom: _____			
35.	List of pup joints			
36.	Lifting Subs : _____			
37.	Cross over subs (Detailed list to be submitted)  Confirm categorically to provide all Cross over subs matching to Contractor drill string, fishing tools, and contractor supplied equipment and for bits as per casing policy to be used _____			
38.	Bit Subs _____			
39.	Bit Breakers _____			
40.	Handling Tools (provide details of each tool)  Tongs _____  Slips _____  Drill Collar Elevators _____  Safety Clamps _____  Pneumatic / Hydraulic Drill Pipe Spinning Wrench _____			
41.	Casing Handling Tools:			
	<b>Casing Size</b>	<b>Single Elevator</b>	<b>Slips</b>	<b>Tongs</b>
	For 20" Casing			
	For 13-3/8" Casing			
	For 9-5/8" Casing			
	For 5 1/2" Casing			
42.	Casing Hydraulic Power Tong _____ Model _____ Size Range _____			
43.	Other Drilling Tools:			
	i. Handling tools, Stabilizers & all accessories provided Make _____ Size: OD _____ ID _____ Length _____			

	ii. Casing Circulating Heads_____
44.	Kelly Spinner : Make_____ Model_____
45.	Deviation Instrument
	a. Drift Indicator : Make _____ Range(degrees)_____
	b. Wire line winch : Make _____ Wire line size _____ capacity_____
46.	Inside BOP
	i. Make/Model_____ Size: OD_____ ID_____ Connection_____ Pressure Rating_____ Qty._____
	ii. Make/Model_____ Size: OD_____ ID_____ Connection_____ Pressure Rating_____ Qty._____
47.	Welding Gensets, Gas Cutters, Torches and accessories. Make: _____ Model / type: _____  All other miscellaneous equipments required for Rig and drilling equipments.
48.	Rig should be equipped with Detection equipment to detect Combustible & sour gases as per international practices.
49.	Ventilation and Air-conditioning System
50.	Verti-Track for 17 1/2", 12 1/4", 8 1/2":
51.	Mud motor & turbine 8" O.D and 6 1/4"/6 1/2" O.D :
52.	General Information (if any)

Date\_\_\_\_\_

Signature of the Bidder\_\_\_\_\_

**SCHEDULE OF RESPONSIBILITIES FOR DRILLING EQUIPMENT, MATERIALS, SUPPLIES AND SERVICES****(One Number of suitable drilling rig capable to drill up to 3000m with 5" drill pipe)**

Sr. No	Description	To be Provided by		At cost of	
		Contractor	NCAOR	Contractor	NCAOR
<b>A.</b>	<b>DRILLING UNIT &amp; EQUIPMENT</b>				
i)	Drilling Rig and Equipment as specified in Appendix-2 of Annexure – III.A	√		√	
ii)	Rig and Equipment maintenance spares including running supplies, spares, replacement parts and services for the operation of Contractor's equipment.	√		√	
iii)	Land for drilling site		√		√
iv)	Site preparation/Civil foundation for drilling rig, making of approach road to drill site, clear access roads to DSA, Making of cellar pits, waste pits, sanitary pits & water pits (including technical water pit). Internal site hard surfacing, fencing of the site & DSA, Pathways in drill site. Anchoring in Top man escape Device Lines and high pressure lines.	√		√	
v)	<b>For DSA :</b>		√		√
	A) Land for DSA				
	B) Leveling & Hardening for DSA / Camp for placement of Bunk houses.	√		√	
	C) Hardened level land with internal road suitable for movement of 40 Ton crane. The level of developed land should be at approach road level.	√		√	
	D) Fencing with security shed	√		√	
	E) Septic Tank	√		√	
	F) Sump for potable water & Overhead Tank.	√		√	
	G) Any other requirement other than above	√		√	
	<b>For approach road:</b>		√		√
	A ) Land for approach road				
	B) Development of approach road suitable for movement of 40 Ton Crane in site ad DSA	√		√	
	C) Any other requirement other than above	√		√	

Sr. No	Description	To be Provided by		At cost of	
		Contractor	NCAOR	Contractor	NCAOR
v)	Necessary arrangement / civil works for bunk houses placement and accessible for all seasons, matching with general ground level of surrounding areas.	√		√	
<b>B.</b>	<b>UTILITIES</b>				
i)	Industrial water supply to drill site and camp	√		√	
ii)	Laying and maintenance of water supply pipe lines etc. at drill site and camp area.	√		√	
iii)	Water storage tanks on drilling rigs and camp	√		√	
iv)	Potable / drinking water(for drill site & camp)	√		√	
v) a.	High speed Diesel Oil for Drilling Unit & all its Equipment at the drill site.	√		√	
b.	HSD for camp & transport vehicle	√		√	
vi)	Fuel storage tanks ( at rig site & camp)	√		√	
vii)	Lubricants, greases and hydraulic operating fluids for drilling rig equipment	√		√	
viii)	Tool joint thread compounds for drill string	√		√	
ix)	Casing & tubing thread compounds	√		√	
x)	HSD for mud for completing well / HSD for liquidating down hole complication.	√		√	
xi)	All drilling mud fluids chemicals and mud additives. (IWC SCOPE)	√		√	
xii)	Bentonite and barite (IWC SCOPE)	√		√	
xiii)	All cement	√		√	
xiv)	All cement additives (IWC SCOPE)	√		√	
xv)	All personnel safety kit and liveries for Contractor's personnel	√		√	
xvi)	All personnel safety kit and liveries for NCAOR personnel	√		√	
xvii)	a. Communication system at site and camp.	√		√	
	b. Radio link /Suitable Communication system with NCAOR base.	√		√	
xviii)	Spare parts and operating supplies for tools & equipment owned by Contractor.	√		√	
xix)	Power supply to NCAOR unit at site	√		√	
<b>C.</b>	<b>WELL EQUIPMENT</b>				
i) a	<b>All casing &amp; tubing.</b>	√		√	
b	<b>Float shoe, stage collar, float collar and other accessories required for Casing &amp; Cementation</b>	√		√	

Sr. No	Description	To be Provided by		At cost of	
		Contractor	NCAOR	Contractor	NCAOR
<b>c</b>	<b>Wellheads, X-mas trees</b>	√		√	
ii)	Casing and tubing handling tools	√		√	
iii)a	Drill Bits	√		√	
iii) b	Core Bit	√		√	
iv)	Handling tools for drill string.	√		√	
v)	Drill pipes, drill collars & other drill string components.	√		√	
vi)	Stabilizers & Core Barrel with handling tool.	√		√	
vii)	Fishing tools and services.	√		√	
viii)	Non directional deviation surveys equipment	√		√	
ix)	Replacement rubber goods, elements, gaskets seals, packing and all normal consumables for annular type preventers, ram type preventers, BOP stack and controls	√		√	
x)	Blow out preventers, choke & kill lines controls, Handling, Running, Testing & Retrieving tools (for retrieving cup tester etc. if the same is stuck in BOP during BOP testing) including spares required during periodic testing.	√		√	
xi)	Blow out preventer operating fluids	√		√	
xii)	Mud pump piston and liner of various sizes as required and directed by NCAOR and / or mutually agreed	√		√	
<b>D.</b>	<b>Transportation</b>				
i)	A standby emergency vehicle / ambulance at the site round the clock	√		√	
ii)	All transportation of Contractor's expatriate / National personnel between point of hire and place of residence in country of operation or other agreed point.	√		√	
iii)	Land, Air, Rail transportation of contractor's local and expatriate personnel to Drilling rig.	√		√	
iv)	Automobile transportation for Contractor's personnel at base / camp as deemed necessary.	√		√	
v)	Adequate office at base for Contractor	√		√	
vi)	Labour on the Drilling rig to load and unload all equipment, materials and supplies.	√		√	

Sr. No	Description	To be Provided by		At cost of	
		Contractor	NCAOR	Contractor	NCAOR
vii)	Cranes & oil field trucks / trailers along with operators and drivers required for the transportation of rig and equipment.	√		√	
viii)	Crane along with its operator for use during drilling operation including handling of NCAOR's material (if any)at site.	√		√	
ix)	To & fro transportation of NCAOR shift personnel from Rly Station/Airport to DSA & Drill site.		√		√
<b>E.</b>	<b>INTEGRATED DRILLING SERVICES</b>				
I	Communication Services	√		√	
ii	Drilling, Coring, and casing running in.	√		√	
iii	Cementing Services (IWC SCOPE)	√		√	
iv	All cementing equipment with associated manpower	√		√	
v	Mud Engineering Services (IWC SCOPE)	√		√	
vi	Wire line Logging service	√		√	
vii	Mud logging unit services	√		√	
viii	METP Services	√		√	
<b>F</b>	<b>PERMITS AND LICENSES</b>				
i	Recommendatory letters to various authorities for communication system/ radio permits and licenses only.		√	√	
ii	All permits and licenses required for drilling and to permit access there to .		√		√
iii	Work permits, restricted area permit and visa for Contractor's personnel.	√		√	
iv	All permits and licenses required for Drilling Rig and Integrated Service equipment	√		√	
<b>G</b>	<b>MISCELLANEOUS</b>				
i	Catering including meals and medical services ( first aid only) at the Drilling rig for all Contractor's personnel	√		√	
ii	Pollution control as per DGMS and other statutory agency's requirement (If any issue arises with CPCB / SPCB for use of KCL then NCAOR will take up the matter with the authorities).		√		√

Sr. No	Description	To be Provided by		At cost of	
		Contractor	NCAOR	Contractor	NCAOR
iii	Catering including meal, accommodation including entertainment facilities of the same standard as for Contractor's officers and medical services (first aid only) for NCAOR/ its third party personnel at Rs. 450/day/person and in case the person does not stay overnight on rig and takes only meals, Rs. 100/meal, will be paid by NCAOR. However, Catering facility for NCAOR personnel up to 8 Persons should be free of cost. The above rates will be applicable only in case of over & above 8 persons.	√			√
iv	Furnished camp accommodation for Contractor's and NCAOR's personnel free of charge and maintenance thereof.	√		√	
v	Management and maintenance of camp and catering facility.	√		√	
vi	Welding consumables for welding operator furnished equipment.	√		√	
vii	Personnel for drilling unit ( list of crew for rig operations should be indicated)	√		√	
viii	Handling and storage at drill site of NCAOR (if any) material.	√		√	
ix	Any over time payment or extra remuneration to Contractor's crew for any reason including Indian / State Laws whatsoever.	√		√	
x	All safety equipment and maintenance of various safety records.	√		√	
xi	SECURITY AT DRILL SITE and DSA	√		√	
xii	Disposal of waste pit water at Drill site	√		√	

**LIST OF (PERSONNEL) CREW****A. RIG CREW :**

The following is the minimum category and number of Personnel required to be provided by the Contractor for the rig for two shift operation. The Contractor may deploy additional personnel for maintenance / operation/ supervision / training / inspection at their cost. NCAOR shall make no payment on this issue.

List of all crew personnel with bio-data, proof of qualification and experience etc. shall be submitted for approval of Project Director, Borehole Geophysics Research Laboratory, Karad before commencement of work. During the execution of the contract, for replacement of any personnel deployed, the Contractor shall submit bio-data of such personnel for approval of Project Director, Borehole Geophysics Research Laboratory, Karad at least 05 working days in advance having requisite qualification & experience as on date of such request.

<b>Sr. No.</b>	<b>Personnel</b>	<b>Nos.</b>
1.	Project Coordinator	1
2.	Drilling Superintendent	1
3.	Tool Pusher	1
4.	Tour Pusher	1
5.	Chief Mechanic	1
6.	Mechanic	2
7.	Chief Electrician	1
8.	Electrician	2
9.	Driller	2
10.	Asstt. Driller	2
11.	Derrick man	4
12.	Rig man / Floor man / Roughneck	8
13.	Crane Operator	1
14.	Roustabout / Unskilled labour	10
15.	Welder	1
16.	HSE Officer	1
17.	Doctor	1
18.	Mud Engineer	2
19.	Cementing Engineer (Cementing engineer may be posted at base but during job has to be present at site)	1
20.	Cementing Operator	1
21.	Cementing Technician	3
22.	METP Supervisor	1
23.	Mud Logging Engineer	1
24.	Wireline Engineer	1
25.	Store Keeper	1
26.	Radio Officer	1

**B. THE EXPERIENCE OF KEY PERSONNEL:**

**DRILLING RIG:**

- a. Chief Mechanic & Chief Electrician must have three years' experience; they should be able to communicate in English.
- b. Drilling Superintendent, Tool Pusher, Tour Pusher, Driller, Asstt. Driller must have minimum 3 years experience. All above persons should they should be able to communicate in English.
- c. The details of all personnel i.e. Bio-data, proof of qualification etc. shall be submitted to Project Director, Borehole Geophysics Research Laboratory (BGRL) KARAD, before commencement of the work.
- d. Drilling Superintendent, Tool-pusher, Tour pusher, Drillers and Assistant Drillers should have valid IWCF certified Well Control Certificates.
- e. Chief Electrician / Electrician must possess valid electrical supervisor Certificate of Competency covering mines area issued by any State licensing Board and should conversant with Oil Mines Regulations and electricity rules.
- f. All records of QHSE, OISD, DGMS, Pollution and Oil Mines are to be maintained by the Contractor.
- g. All type of BOP / Fire & Safety drills to be carried out as per QHSE, OISD, DGMS and Mines Rules & guidelines.
- h. Experience of personnel and minimum requirement for Mud services-As per Scope of Work for Mud Services-Appendix -6
- i. Experience of personnel and minimum requirement for Cementing services-As per Scope of Work for Cementing Services-Appendix 7
- j. Experience of personnel and minimum requirement for METP services-As per Scope of Work for METP Services-Appendix -8
- k. Experience of personnel and minimum requirement for Mud logging services-As per Scope of Work for Mud logging Services-Appendix -9
- l. Experience of personnel and minimum requirement for Wire line logging services-As per Scope of Work for wire line logging Services-Appendix -10

**Appendix-5**

**DETAILS OF THE RIG OFFERED**

(TO BE INCLUDED IN THE UNPRICED BID)

1. Name of the bidder : .....
2. Name and type of the rig Offered : .....
3. Name and address of the owner of the rig : .....
4. Rig offered on lease/proposed  
Purchase/ownership basis : .....
5. Year of make of the Rig : .....
- (Date & month on which the  
rig was delivered ex-yard to be mentioned)
6. Present location : .....
7. Present Operator : .....
8. Date by which the rig will be  
Mobilized as per Commercial  
BEC of the bid document : .....
9. Place from where the rig will  
be mobilized against this contract : .....
10. Place to where the rig will  
Be demobilized at the expiry  
of this contract : .....
11. Date & place of recent  
Inspection of rig, if any : .....
12. Status of equipment of the Rigs to be filled as per table given in Appendix-1 of BEC.

Signature of Bidder

**SCOPE OF WORK – MUD SERVICES**

The Contractor has to provide Mud Services through any of the reputed and competent service provider as mentioned in Appendix -1 of BEC.

**1.0 INTRODUCTION**

One Number of suitable drilling rig capable to drill up to 3000m with 5” drill pipe with ‘Integrated Mud Services’ to drill one exploratory well in Koyna Region, Maharashtra, India.

- 1.1 The Contractor shall provide all the chemicals / materials and mud engineering services from spudding to completion as defined under the scope of work as required below at 2.0.
- 1.2 Well profiles, casing depths, lithology and other details can be derived from the “Tentative Geological Information”, mentioned in this document at 16.0 for providing the mud system.

**2.0 SCOPE OF WORK**

- 2.1 The successful Contractor shall provide mud services for drilling of all the phases of the wells from spudding to completion using different systems of drilling fluids. The Contractor shall submit a copy of the drilling fluid design and formulation as specified, for each phase to the NCAOR along with the bid.
- 2.2 Designing, Preparation, Maintenance, Monitoring of mud and tackling of downhole problems like mud loss, activity, stuck pipe, hole packing, etc. for the well.
- 2.3 Supply of all the mud chemicals & additives as required for preparation and maintenance of the drilling fluid as per the design to be made by service provider.
- 2.4 Provide Personnel for the Mud Engineering Services for execution of the services.
- 2.5 Provide laboratory bunk house with all the required mud testing equipments, reagents, chemicals, glassware, plastic ware, etc. as required for testing the drilling fluid.
- 2.6 Provide Recording, Documentation, Well Program, and Complication Report & Drilling Fluid Recap of the well.
- 2.7 To provide all technical literature; hydraulic and all other drilling fluid related calculations and detailed mud histories and programs.
- 2.8 To collect various formation fluid samples (at atmospheric pressure only).

**PROPOSED MUD SYSTEMS:**

The depths / intervals of each section of the wells are to be decided by NCAOR. Following are the types of drilling fluid systems to be utilized for the respective phases:

- 3.1 26” Section-100m (Tentative):  
SPUD MUD/Water based Mud.
- 3.2 17 1/2” Section (100m-500m):  
SPUD MUD/ CONVENTIONAL DRILLING FLUID
- 3.3 12 ¼” Section (500m-1500m):  
CONVENTIONAL LIGHTLY TREATED DRILLING FLUID
- 3.4 8 ½”Section (1500m-3000m):  
Water based Polymer mud

### **3.0 TECHNICAL REQUIREMENT AND TERMS & CONDITIONS**

The Mud Services is defined and described by the following:

- 4.1** Mud Engineering Services
- 4.2** Mud Design
- 4.3** Mud Management Services
- 4.4** Mud Materials and Additives

Each of these is defined in detail in the following section.

#### **4.1. MUD ENGINEERING SERVICES**

- 4.1.1. Successful Contractor shall carry out Mud Engineering planning and designing, mud preparation and maintenance required for drilling and completing all the phases of the well by using the rig equipment and in accordance with the detailed drilling operations.
- 4.1.2. Successful Contractor shall provide round the clock mud engineering services by employing two site mud engineers at a time one each in 12 hrs shift. The engineers shall be able to communicate in English. The deployed Mud Engineers shall have requisite experience of handling drilling fluid systems in drilling rigs. Required experiences in details are mentioned at 11.2 of this document.
- 4.1.3. The onsite engineers shall communicate with NCAOR coordinator on daily basis.
- 4.1.4. Contractor's representative / coordinator shall carry out mud planning, designing, monitoring and operation to drill the various phases of the well.
- 4.1.5. NCAOR reserves its right to modify its drilling programme any time.

#### **4.2 MUD DESIGN**

- 4.2.1. Successful Contractor shall submit detailed mud design for the well prior to the commencement of drilling.

The program shall include but not be limited to the following:

- a. Mud systems proposed for different sections.
- b. Detailed mud system formulation for each section.
- c. Mud parameters and mud weight range suggested per section.
- d. Chemicals proposed for curing losses and release of stuck pipe with detailed procedures.
- e. Successful Contractor shall carry out laboratory studies for design of the different mud systems by core studies and to optimize mud systems for progressive refinements as perceived from time to time.

#### **4.3 MUD MANAGEMENT SERVICES**

- 4.3.1. Successful Contractor shall control and maintain inventory.
- 4.3.2. The successful Contractor shall provide three copies of daily progress report inclusive of drilling fluid to the NCAOR representative. The report should include drilling operations, mud parameters, chemicals consumed.

#### **4.4 MUD MATERIAL AND ADDITIVES SUPPLY**

- 4.4.1. Successful Contractor shall supply complete line of chemicals and additives required for the preparation and maintenance of the mud systems for the various sections, viz. 17 ½", 12 ¼, 8 ½" sections.
- 4.4.2. Sufficient Materials have to be mobilized to avoid any shortage while execution of contract. Successful Contractor shall ensure availability of materials throughout the contract period so that work does not suffer.

- 4.4.3. The successful Contractor shall arrange sufficient storage space for chemicals at the drill site for chemicals at his cost. Handling of chemicals at site is Contractor's responsibility.
- 4.4.4. Successful Contractor shall provide technical/drill water for the preparation of mud.
- 4.4.5. Contractor shall arrange unskilled man power for all types of chemicals handling during the operation including mixing, loading & unloading of chemicals at site, project stores, etc.
- 4.4.6. The Successful bidder may calculate the amount of the quantity of chemicals and additives on their own for drilling each phases of the well on the basis of doses as described in clause no. 8.0

## **5.0. SAFETY, HEALTH AND ENVIRONMENT**

- 5.1. The successful Contractor shall carry out all activities as per the requirements of Central Pollution Control Boards (CPCB) and State Pollution Control Board (SPCB) and in accordance with the prevalent standards of the oil industry, ensure safe condition and method of work and maintain the same throughout the period of contract.
- 5.2. The successful Contractor shall comply with the applicable environment laws, regulations and practices and is required to perform work so as to minimize the generation of hazardous waste to the extent technically feasible.
- 5.3. The successful Contractor shall make available for inspection by NCAOR upon request all registers, records and any other documentations on environmental aspects of the activities being carried out or on the environmental management system implemented by the successful Contractor (Documents required by NCAOR shall be as per CPCB & SPCB norms).
- 5.4. The successful Contractor shall provide the company's health, safety and environment policy covering the following:
  - 5.4.1. Health of the personnel
  - 5.4.2. Safety of the personnel
  - 5.4.3. Protective clothing and appliances
  - 5.4.4. Material Safety Data sheets for all the mud & laboratory chemicals that will be used in the complete operation.
- 5.5. **The successful Contractor shall be responsible for ensuring the acceptable disposal of wastes, viz. empty chemical bags, drums, jerry cans, etc., in accordance with all the local requirements. Contractor will have the responsibility for the disposal of cuttings and restore the site after completion of the well. Contractor shall not to allow spillage of waste water and site effluents outside the site during the course of drilling.**

## **6.0. REPORTING PROCEDURES**

- 6.1. Contractor shall comply with the following minimum reporting requirements. Contractor shall also provide additional reports to the NCAOR representative at rig and NCAOR chemist at rig as may be requested during the work.
- 6.2. Inventory of all chemicals on the rig.
- 6.3. Daily mud reports are to be submitted with signatures of Contractor's Mud Engineer and NCAOR Company Man at site on a mutually agreed standard format on a daily basis to the NCAOR Company Man who shall endorse the same and forwarded to with a copy to Head, Project Director, Borehole Geophysics Research Laboratory, Karad.
- 6.4. Monthly reporting: Contractor will provide a monthly report within first week of Calendar Month. The report shall include a summary of details as per daily reports, details of equipment operability, problems and repairs carried out, etc. Such reports are to be prepared by Mud Engineer of the Contractor, verified by NCAOR's Chemist/NCAOR Company Man at site and endorsed by Company Man of NCAOR. The same shall be sent to to Project Director, Borehole Geophysics Research Laboratory, Karad.

6.5. **End of Well Recap:** A detailed well completion report shall be prepared and submitted within 14 days of the completion of well. The well completion report shall consist of, but not limited to, the following:

- a) A detail recap of the 26" / 17 ½" / 12¼" / 8 ½" hole sections.
- b) An evaluation of the mud properties and their performance.
- c) An analysis and recommendation of the optimum parameters required based on experience gained while drilling the well.
- d) A detailed list of chemical consumption for each section.
- e) A comparison of planned vis-à-vis actual mud properties for each section.
- f) A detailed study on the problems encountered and methods and strategies followed to mitigate the problem.
- g) Services performed.
- h) Performance of equipment.
- i) Details of Downtime.

6.6. **Complication Report.** In case of any complications such as stuck pipe, lost circulation, unusual caving, undesirable cutting bed formations, etc. on site Mud engineer of Contractor shall notify the NCAOR's chemist immediately. A detailed report shall be submitted by the Mud Engineer of the Contractor or his representative, within 24 hrs of the incident, with full details and the reasons for the same and remedial measures / recommendations that shall be followed in the present well as well in future wells to ensure safe and complication free drilling.

6.7. The following reports, duly verified by NCAOR Company Man at site, are to be submitted in original plus two copies:

Daily mud reports along with daily chemical consumption, Monthly chemical consumption, Attendance statement of mud engineers in accordance with IADC reports, etc. Any other reports if deemed necessary by NCAOR shall also be submitted by the Contractor.

#### **7.0. LEFT-OVER CHEMICALS AND ADDITIVES:**

7.1. At the end of the contract, contractor will take care of left over chemicals/additives. NCAOR is not liable to buy the left over chemicals.

#### **8.0. SPECIFIED MUD SYSTEMS - INDICATIVE**

##### **A. Spud mud for 26" Phase (0-100m) (water based):**

The mud should have the following tentative doses of the chemicals as indicated in the formulation. However, the service provider may modify the doses as per well requirement in consultation with NCAOR.

##### **Chemicals Dosage PPB**

Bentonite	24
Caustic Soda	0.28
Soda Ash	0.28

**B. Conventional mud for 17 ½” Phase: (100-500m): Conventional Lightly Treated Drilling Fluid.**

The mud should have the following tentative doses of the chemicals as indicated in the formulation.

<u>Chemicals</u>	<u>Dosages (PPB)</u>
Barytes	As per requirement
Bentonite	18-21
Caustic Soda	0.28
Soda Ash	0.28

**C. 12 ¼” Phase: (500 m - 1500 m):KCl-PHPA Drilling Fluid.**

The service provider shall design the mud on the basis of bottom hole temperature.

The mud should have the following tentative doses of the chemicals as indicated in the formulation.

<u>Chemicals</u>	<u>Dosages (PPB)</u>
Barytes	As per requirement
Bentonite	11.0
Caustic Soda	0.28
Soda Ash	0.28
KCl (Purity - 97%)	14.0-17.0
PHPA	1.0

Note:

PHPA denotes Partially Hydrolysed Polyacrylamide.

**D. 8 ½” Phase :( 1500mto 3000m, 1500 m of interval tentatively): KCl-PHPA Drilling Fluid:**

<u>Chemicals</u>	<u>Dosages (PPB)</u>
Barytes	As per requirement
Caustic Soda	0.28
Soda Ash	0.28
KCl (Purity - 97%)	33.0
PHPA	1.0

Note: PHPA denotes Partially Hydrolysed Polyacrylamide,

**E. Contingency Chemicals**

The following contingency chemicals shall have to be stocked at the wellsite by the successful Contractor for mitigation of downhole complications as and when required:

- 1 Spotting Fluid (Weighted)
- 2 Spotting Fluid (Non-Weighted)
- 4 Corrosion Inhibitor
- 5 Loss Circulating Material (or Equivalent)

- 6 Cellulose Fibre
- 7 Synthetic Graphite

**9.0. MUD PARAMETERS:**

9.1. Contractor has to take the responsibility of suggested mud parameters of different phases of the well.

- a. Specific Gravity
- b. Funnel Viscosity
- c. Plastic Viscosity
- d. Yield Point
- e. Gel strength
- f. API Filtration loss
- g. Solids%
- h. pH
- i. Sand%
- j. HPHT F/L
- k. Salinity
- l. Lubricity coefficient
- m. Sticking coefficient

Any other system specific property deemed necessary or required by NCAOR.

9.2. The mud parameters shall be maintained as per requirements of down hole conditions for the drilling of a good quality well bore.

**10. MUD LABORATORY EQUIPMENTS ON THE RIG:**

The successful Contractor shall provide fully equipped Laboratory Bunk House with **complete drilling fluid testing equipments, chemical reagents and consumables** for testing of specified mud systems.

**11.0. MUD ENGINEERING PERSONNEL:**

11.1. Contractor shall provide one Mud Engineer in each shift of 12 Hrs. from spudding of the wells to well completion, who shall monitor the operations and coordinate with representative of NCAOR at site as well as at base office.

11.2. Mud engineers to be deployed by the bidder should have adequate work experience of drilling by using KCL-PHPA-Cloud point Glycol Mud System, KCL-PHPA mud system.

**11.3. Responsibilities of the Mud Engineer to be deployed by the successful Contractor:**

The Mud Engineer shall be responsible for, but not limited to the following:

- Prepare mud as per approved mud program.
- Shall provide Company with daily drilling fluid tests according to API Bulletin 13B-1.
- Perform daily mud checks, at least thrice a day and more often as required by operations and report them in a standard format as mutually agreed by NCAOR and by the contractor.
- Run, maintain and manage the mud system.
- Prepare daily mud program and submit to the NCAOR representative on the drilling rig.

- Successful bidder shall ensure proper execution of all the jobs related to mudhandling and mixing of mud chemicals, mud preparation and other related jobs at the drill site through his mud engineers in close liaison with the NCAOR representative.

## 12.0 TENTATIVE GEOLOGICAL & WELL INFORMATION

Tentative geological information, well profile, stratigraphy, lithology, reservoir pressure are given below:

Lithology:	Top Cover is Basalt tentatively up to 1250 m followed by some transition zone about 5 m and finally Granite to Granite gneiss (metamorphic) lithology from 1250 to 3000m.
Expected Formation Pressure:	Sub-hydrostatic to Hydrostatic + 10% (approx)
Expected Formation Temperature:	Less than 150deg C (approx)
Expected Flowline Temperature:	65 to 90 deg C (approx)
Porosity:	0 - 2 % (approx)
Permeability	0 to 2 md (approx)

Following tentative casing and general litho column are as under:

Hole Size (inch)	Casing Size (inch)	Approximate Shoe/Intervals (m)	Lithology	Expected Complications
26	20	100/100	Weathered Basalt, Red Clay	-----
17 ½	13 3/8	500/400	Basalt, Red clay	Mud loss, Hole enlargement, Stuck-up, Caving.
12 ¼	9 5/8	1500/ 1000	Basalt, Granite (Metamorphosed)	Caving, Stuck-up, Mud loss
8 ½	5 ½	3000 / 1500	Granite Gneiss (Metamorphosed)	Caving, Fractured, Hole enlargement, Stuck-up, Mud loss

**SCOPE OF WORK FOR CEMENTING SERVICES:**

The Contractor has to provide Cementing Services through any of the reputed and competent service provider as mentioned in Appendix -1 of BEC.

**1.0 Scope of work for Integrated Cementing Services includes:**

The Following are the responsibilities of the contractor to provide / supply:

- Designing of cement slurry.
- Supply of cement additives & chemicals suitable for the temperature less than 150<sup>0</sup> C and pressures of maximum hydrostatic+ 10%.
- Execution of cementing jobs (preparing & pumping of cement slurry) using contractor's cementing unit & bulk system will be the responsibility of contractor. Also, contractor shall execute the cementing /allied jobs like cement plug, cement squeeze etc., and wherever application of cementing unit is required ie. LOT, PIT, BOP testing, hermetical testing, well killing, liquid pumping etc. In case of emergency like well activity etc., the contractor has to pump high sp. Gravity mud through cementing unit into the well. During any exigency situation the Cementing Service Provider has to work in unison as the first and foremost objective during that time is to contain the well activity.
- Also the contractor shall provide the following equipment:
  1. Mix water tank with discharge pump.
  2. Twin pump cementing unit having capability to mix & pump cement slurry. This unit will also be used for pressure testing and other allied jobs stated in scope of work as & when needed at rig/well.
  3. One batch mixer.
  4. Two nos. cement silos of adequate capacity each with cutting pod, surge tank and compressor.
  5. Conventional type centralizers for different sizes will be provided by Contractor.
  6. Spares for contractor's equipments shall be provided by the contractor.
  7. To provide man power consisting of, one operator and three technicians on 24X7 basis throughout the period of contract to operate and maintain Cementing Units, cement silos and other associated cementing equipments and accessories required for the cementing job.
- Contractor will provide Oil Well Cement, Cementing Head, Cement Plug, Centralizer and Cement Retainer.
- Oil Well Cement API Class G will be provided & supplied by Contractor at site in phased manner. Contractor will be responsible for unloading, safe storage & loading of same in its silos.

**Responsibility:**

**Responsibility of Cementing Engineer:**

To plan, design and coordinate with NCAOR for successfully carrying out all cementing jobs. He shall ensure overall supervision directly by him on all jobs. He will also submit the comprehensive well completion report including post job analysis and corrective measures, if any for improvement of job. He shall submit recommendations for mechanical aids and chemical aids such as centralizer placement preflush design, cement slurry design including requirement of additives, casing running in speed, regime of flow, job schedule based on U-tube simulator results, gas migration risk analysis, estimation of

BHCT etc., based on computer aided design and computer simulation results for all casing cementation jobs on which they are providing services.

**Responsibility of Cementing Operator:**

Cementing operator shall be responsible for operation and maintenance of contractor's cementing unit and bulk system. He shall also be responsible for checking the order of cement plugs loading/releasing, final circulation prior to cementing, mixing of exact dosage of chemicals (powder/liquid) in the mixing water at rig, control of slurry density during preparation & pumping and monitoring the displacement followed by plug bumping.

**Responsibility of Cementing Technician:**

Shall provide help to cementing operator in operation and maintenance of contractor's cementing unit & bulk system.

**2.0 Design of Cement Slurry:**

- Contractor has to carry out designing of cement slurry for all phases.

**3.0 Supply of Cement Additives:**

- Contractor will supply all cement additives & chemicals required for cementing operations.
- Transportation of cement additives & chemicals is contractor's responsibility.
- Packing of cement additives & chemicals should be strong enough to withstand rigors of transportation. Chemicals susceptible to moisture should be packed in moisture proof multi-walled paper/HDPE bags with polythene lining.

**4.0 Leftover Cement Additives/Chemicals:**

At the end of the contract, any leftover cement / cement additives / chemicals and other leftout materials (if any) has to be taken back by contractor. NCAOR will not take any responsibility on this issue.

**5.0 Cement Slurry Design/Testing:**

Contractor shall design and test cement slurry for all phases of the well prior to job and if required after the job at his facility at his cost.

**6.0 Cementing Personnel:**

Cementing personnel deployed should have experience of Oil Well Cementation and should meet the Qualification & Experience Criteria as given below:

**Experience of Cementing Engineer:**

Cementing Engineer should be qualified and fully trained in cementing engineering to perform all cementing & testing, analysis & interpretation results of tests and take corrective measures in maintaining required features of cement slurry. Cementing Engineer should have minimum three years' experience in planning & supervising of all type of cementing and allied jobs.

**Experience of Cementing Operator:**

Cementing operator should have minimum three years experience as cementing operator and must be able to perform cementing operations and allied jobs independently.

**Experience of Cementing Technician:**

Cementing technician should have experience of three years in operation and maintenance of cementing unit and bulk system.

**SCOPE OF WORK - MOBILE EFFLUENT TREATMENT PLANT SERVICES (M-ETP SERVICES)****MOBILE EFFLUENT TREATMENT (M-ETP) SERVICES:**

1. The contractor shall run a Mobile Effluent Treatment Plant (METP) so as to manage the effluent generated at the site as per the requirement of Central pollution control Board (CPCB) and state pollution control Board (SPCB) in accordance with the prevalent standards of the oil industry and ensure safe conditions and method of work.
2. **Capacity of M-ETP:**
  - 2.1 The M-ETP should be capable to treat minimum 50 cubic meters per day of effluent (output).
  - 2.2 The plant should be able to process all the drill site effluent generated at site.
  - 2.3 The plant should deliver the treated effluent (output) as per the norms laid down by Central/State Pollution Boards and Boards of Prevention and Control of Water and Air Pollution, except for Chlorides, in view of the use of KCL based mud systems. The Output shall be suitable for re-use in the drilling fluid and for normal use in the rig. The present requirements as per CPCB are:

Sr. No.	Parameters	On-shore discharge standard (Not to exceed)
1	pH	5.5 – 9.0
2	Temperature	40 deg C.
3	Suspended solids	100 mg/l
4	Zinc	2 mg/l
5	BOD	30 mg/l
6	COD	100 mg/l
7	Chlorides	600 mg/l
8	Sulphates	1000 mg/l
9	Total Dissolved solids	2100 mg/l
10	% Sodium	60 mg/l
11	Oil & Grease	10 mg/l
12	Phenolics	1.2 mg/l
13	Cyanides	0.2 mg/l
14	Fluorides	1.5 mg/l
15	Sulphides	2.0 mg/l
16	Chromium (Cr+6)	0.1 mg/l
17	Chromium (Total)	1.0 mg/l
18	Copper	0.2 mg/l
19	Lead	0.1 mg/l
20	Mercury	0.01 mg/l
21	Nickel	3.0 mg/l

- 2.4. The plant should be fit in all respects for operation in accordance with the existing laws / regulations with regard to state pollution control board and as amended from time to time provided the changes / amendments do not require drastic change of the plant design.
- 2.5. The plant area should not be more than 9 mts X 6 mts.
- 2.6. A storage tank of minimum 10 cubic meters is to be provided for initial storage of treated water

prior to discharge / delivery.

- 2.7 All chemicals and other consumables required for the operation of the ETP shall be provided by the contractor at the cost of contractor.
- 2.8 The treated effluent shall conform with latest guidelines of SPCB and other government authorities. The quality of treated water shall be collected and tested fortnightly at labs approved by pollution control board at the cost of contractor and the test results should be submitted to NCAOR.
- 2.9 A log book shall be maintained at site, recording the quantity of effluent treated daily.
- 2.10 The effluent treatment plant must perform with consistency. The treated water must always meet the specifications laid down by SPCB and other statutory authorities. NCAOR reserves the right to collect treated water sample any time for analysis to confirm the quality of treated effluent.

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### SCOPE OF WORK - MUD LOGGING SERVICES

The Contractor has to provide Mud Logging Services through any of the reputed and competent service provider as mentioned in Appendix -1 of BEC.

#### **1. Number of Mud Logging Units**

**1.1** Contractor has to provide one number of Mud Logging Unit along with crew.

#### **2. Equipment**

- The contractor at its cost shall provide all equipment, materials, spares, consumables, calibration gauges, stationary, fuel, chemicals, lubricants, good water, stores etc. required for operation and maintenance of the Mud Logging Unit to carry out uninterrupted work during the tenure of contract.

#### **3. Contractor's Crew.**

- The CONTRACTOR shall provide mud logging services round the clock with the assistance of CONTRACTOR's crew comprising mud loggers/ service engineer.
- The shift crew shall be periodically rotated and period of their stay at drill site shall not exceed 28 (twenty eight) days at a time.
- The contractor shall manage and deploy its crew competent and efficient enough to man, operate and maintain the mud logging unit round the clock at drill site to perform the work.

#### **4. Jobs to be carried out:** Jobs to be carried out by the Contractor are listed below:

- a. Installation of all field instruments and their commissioning along with commissioning of data acquisition, recording and monitoring and display system at each site.
- b. Periodical calibration of all field sensors and central system as per periodicity recommended by O.E.M requirement. Chart of periodicity of calibration of various sensors to be attached.
- c. Installation of alarm parameter inside and outside units and their commissioning & its periodical checking by simulated methods.
- d. Installation of minimum 5 lines or as per requirement at the drill site intercom system for communication within drill site as per terminal points decided by well site drilling/Geo science authority.
- e. FORMATION AND MUD ANALYSIS :
  - Calcimetric determination at time/depth.
  - Mud resistivity & Sp. Gr. for flowing in and flow out both parameters for both events.
- f. DRILLING PARAMETERS :
  - RPM, SPM, Hook Load, WOB, TORQUE, ROP, SPP, Pit volume, Total pit volume, Mud flow in and out etc.
- g. COMPUTER AND INSIDE BUNK HOUSE INSTRUMENTS
  - Operation and maintenance and calibration of all instruments as per procedures recommended by OEM and need based.
- h. OPERATION AND PROVIDING MAINTENANCE SCHEDULE FOR :
  - Air Conditioning machines.
  - All general electric / electronic / mechanical gadgets.
  - Maintenance of Bunk house furniture.

i. ADVANCE WARNING SYSTEM/INFORMATION AHEAD:

- Contractor's mud logger / geologist / Engineer will be responsible for communicating any abnormal conditions like over pressure zones, kicks, mud loss, mud gain, high gas composition etc. detected to NCAOR well site authorities on priority.

j. SAMPLE COLLECTION AT WELL SITE:

- The Contractor shall provide sample collectors at the site round the clock.
- Collected samples cutting should be washed and dried by contractor's crew for examination and description of sample cuttings at prescribed interval as per the Geo Technical Order (GTO).
- Describe sample cuttings including rock type, color, hardness, grain size, grain shape, sorting, luster, cementation or matrix, structure, porosity, accessories, fossil content, fluorescence and hydrocarbon shows as per standard description format.
- Label and pack the dried cutting samples carefully and properly in cloth bags for the depth intervals as directed by well site geologist and make ready for transportation to the NCAOR's Base.
- Collect, Wash and describe Cores as per standard description format of the NCAOR.
- Label and pack the cores carefully and properly in metal core containers and make ready for transportation to the NCAOR's Base.

k. REPORTS.

- Recording of all technical data and pertinent parameters on magnetic media daily.
- Preparation of up to date data plots for drilling, geological and engineering data for entire drilling schedule / cycle of well site.
- Preparation of up to date drilling analysis log based on interpretation of above logged parameters / drilling estimation of pore pressure, effective circulating mud density & estimate fracture gradient.
- Preparation of daily report on current drilling conditions from basic suit of programmes for mud hydraulics, Gas plots, fracture gradient, estimated pore pressure, d-exponent.
- Preparation of comprehensive final well completion report describing drilling history of well, evaluations, conclusions and complete suits of logs, computer print outs and plots.
- Preparation of on-line real time continuous Master well log incorporating point nos. 2,3,6 etc. of the following and off-line incorporation by the use of other parameters:
  1. Lithological percentage, description and interpretation.
  2. Drill rate.
  3. Chromatographic data.
  4. Cutting gas description.
  5. Core interval and description.
  6. Mud data, bit data and other engineering details.
  7. Deviation survey.
  8. Any other relevant technical information, as desired by NCAOR. All these details shall be updated every 24 hours as per instruction of well site / or site Geologist.
- Prepare the master log in 1:500 scale depicting all the data collected as a continuous process. The Master log shall contain date, details of bits used, mud data of every day,

- ROP with drilling parameters at regular intervals, depth, cuttings and lithology, interpreted lithology, conventional and side wall core (SWC) data, description and casing details.
- Provide one print in colour and soft copy recorded on CD in LAS/ASCII format of Master Log immediately after the completion of drilling to target depth for evaluation of the well data.
  - Prepare Well Completion Report data using MS Access Software.
  - Maintain a copy of all the reports in the Mud Logging Unit.
  - Within 15 days after well completion or rig release from the well, the following reports shall be submitted to the NCAOR representative.
    - a. Well Completion report.
    - b. Master log
    - c. Real time plot.
    - d. Data floppies / Magnetic media, CD.

## **5. Responsibilities of Contractor**

- The CONTRACTOR shall provide and maintain Mud Logging unit with professional competence and in an efficient and workman like manner. The proposed work is to be carried out with the strong emphasis on quality of data.
- The sensors shall be compatible with the type of Drilling Rig to be offered by the bidder.
- Contractor shall provide efficient supervision of all their required services at their own cost.
- All original data acquired during the services, copies of map, documents, recorded tapes and data and processed outputs will be the property of NCAOR and the CONTRACTOR shall hand over all these data and documents to the authorized representatives of NCAOR on completion of jobs.
- The CONTRACTOR shall be responsible for all damages or loss of their equipment.

## **6.0 DETAILED SPECIFICATION OF MUD LOGGING UNIT**

### **1. EQUIPMENT DETAILS**

#### **1.1. Type:**

On-line Mud Logging Unit must be equipped with facilities for continuous and complete acquisition and recording of Geo scientific and Engineering Drilling Data and complete monitoring of total well operation. There should be provision for back up of storage of data so that the same could be retrieved any time on user demands or for offline. Computation simultaneously when the unit is working online. There should be provision for online real time 100% redundancy in data storage by providing dual online real time data acquisition computer system.

#### **1.2. Service Environment :**

Ambient conditions prevailing in Koyna Region.

Temperature: 0 – 40 degrees centigrade maximum.

### 1.3 Parameters to be monitored:

- I. Rate of penetration: in mtrs. /hr., min/ mtr.and depth in (mtr.),
- II. Torque: Range 0 - 1000 AMPS,
- III. Stand pipe / casing pressure: Range 0 - 600 kg/sq. cms,
- IV. Weight on bit and hook: Range 0 - 400 tons
- V. Rotary RPM: Range 0 - 200 RPM
- VI. Mud pump SPM: Range 0 - 200 SPM
- VII. Mud Temperature: Range 0 - 155<sup>o</sup> Centigrade
- VIII. Mud Conductivity: Range 0-300 mili mhos/cm.
- IX. Mud Specific gravity: Range: 0. 7 - 2.8
- X. Mud Flow: Range: 0-4000 liters/min.
- XI. Mud volume totalizers in mud pits : Mud pit size: 9m x 2m x 2.5 m (LBH) approx.
- XII. Trip tank monitors: Range: 0-10 cu. mtrs.
- XIII. Gas detection system: Range: 0-100%
- XIV. GEOLOGICALEQUIPMENT:
  - a) Portable fluoroscope having removable UV tube chamber with three UV tubes of different wave lengths and one white light. Each tube shall have separate on-off switch, fuse, and main switch.
  - b) Binocular zoom microscope with wide field eyepieces of 10X magnification and objectives of 1X to 4X zooming magnification with transmitted and direct light illuminators with focus control.
  - c) Complete calcimeter kit with recorder.
  - d) Vacuum Mud Still (VMS).
  - e) Tracing table having 3' x 2' glass and proper lighting arrangement.
  - f) Oven suitable for sample drying with temperature control.
  - g) Complete set of chemicals, glassware and other items essential for well site geologist to carry out geochemical studies of samples.
  - h) Sample collection by utilizing (i) sieve set (10,50,100 mesh or bigger diameter), (ii) SS spot trays, (iii) SS probes, (iv) SS tweezers (big and small), (v) plastic bottles for wet sample cutting and cloth bags for packing dry sample cutting, (vi) Permanent marking pens shall be provided.
  - i) Full set of drafting equipment for preparing Master Log, MASTER COPY, core report, and geo-pressure logs etc.
  - j) Portable XRD and XRF instruments for onsite rock sample analysis.
  - k) A complete thin section lab associated with polarized microscope for detail microscopic and petrographic analysis of geological samples at drill site.
- I) **DATA ACQUISITION SYSTEM AND COMPUTER**

The system must have following features at its minimum and shall not be limited to these features only.

  1. On-line real time data acquisition and processing of all scientific and engineering parameters of well under drilling.
  2. On-line retrieval of any data in log of either time or depth or both.
  3. Continuous display of all parameters in digital format on a single window and selective data display on other windows.
  4. Printing of minimum 24 parameters online data in digital format (Alpha-Numerical).
  5. Replaying of stored data in graphical form and digital form viewed on screen and option of print.
  6. Provision of recording, monitoring and detection equipment related to:
    - a) Depth recording, rate of penetration and plotting against true depth and time.
    - b) Weight on bit and hook load.
    - c) Rotary speed.
    - d) Pit level indicators and totalizers.

- e) Trip tank indicators.
- f) Pump stroke counter for both pumps.
- g) Mud flow, in and out.
- h) Mud temperature IN and OUT.
- i) Mud specific gravity In and Out.
- j) Stand pipe pressure /Casing pressure.
- k) Torque
- l) Total pump stroke counter.
- m) Bit position at any depth.

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### SCOPE OF WORK - WIRELINE LOGGING SERVICES

The Contractor has to provide Wireline Logging Services through any of the reputed and competent service provider as mentioned in Appendix -1 of BEC.

#### **1.0 GEO-SCIENTIFIC INFORMATION OF THE KOYNA AREA**

Koyna region is located in the western part of India, in Maharashtra. So far, 9 cored boreholes have been drilled in the Koyna region maximum upto 1500m. These cores have been studied and it is found that the basalt formation is upto 1250m approximately and beyond that there is basement of granitic gneiss with fractures at different depths.

#### **2.0 Prognosed Litho-column of the well to be drilled in Koyna region is given below -**

Section	Open hole	Casing size	Depth TVD	Casing type	Remarks
1	26"	20"	~50m	False conductor	
2	17 ½"	13 3/8"	~500m	Surface	
3	12 ¼"	9 5/8"	~1500m	Intermediate	
4	8 ½"	5 ½"	~3000m	Final casing	

The general well data for planning purpose are given below:

Pressure Regime: Hydrostatic pressure + 10% Hydrostatic pressure

Maximum expected temperature: <150 °C

Temperature Gradient: ~25 °C/km up to basalt section from the surface; below basalt ~16 °C/km.

H<sub>2</sub>S: Nil

CO<sub>2</sub>: Nil

Mud type planned:

26": Water based mud

17 ½": Water based mud

12 ¼": KCL polymer Mud system

8 ½": KCL-PHPA Mud system

The above data is tentative and is subject to change during the detailed engineering work and prior to commencement of operation.

#### **3.0 SCOPE OF SERVICES**

The scope of the services is to provide expertise and state of art technology for open-hole and cased-hole wireline logging, plug setting / perforation, data processing / and other related services. The bidder will also provide all necessary equipment / tools / spares / explosives / consumables and experienced competent personnel required for successful completion of the services specified. Bidder shall be solely responsible for the operation of contractor's equipments including but not limited to rigging-up, testing, running-in hole and rigging-down thereof etc.

The bidder shall arrange for one wireline logging unit along with crew and tools for carrying out both open-hole & cased-hole logging and perforation services below -

Table-1 list of required services

**4A. Tentative Open hole logging programme**

Sl. No.	Service Description	Qty.
Standard Equipment / Crew (Nos.)		
01	Truck mounted integrated logging unit with competent and experienced personnel. It should be fully computerized, air conditioned, heavy duty, dual drum or split drum fitted with multi-conductor (hepta) and single conductor cable. The multi-conductor logging cable should be 6000m long with minimum rated breaking strength of 19000 lbs and capable of carrying out open hole logging (with down-hole tension devices) and perforations if required.	1
02	Blow Out Control Equipment for Standard Logging Cable for its use in CBL under pressurized condition and casing gun perforations-3 K psi.	1

Well	Open hole	Casing size	Approx. Depth	Casing Type	Logging Programme
ABC	12 ¼"	9 5/8"	1500m	Intermediate	I) Electrical resistivity (SPR, short normal (16") and long normal (64"), dual laterolog), SP, temperature and natural gamma. II) Formation density and caliper log III) Neutron Porosity IV) Full waveform sonic V) Magnetic susceptibility (Optional) VI) Dip meter log VII) Borehole deviation log VIII) Image logs (acoustic, electrical) IX) Water quality log (T, pH, TDS, conductivity, redox potential, salinity, density) X) Flow meter log (Positive displacement meter) XI) Elemental composition Provision for collection of water samples at desired depths.

	8 ½"	5 ½"	3000m	Final	I) Electrical resistivity (SPR, short normal (16") and long normal (64"), dual laterolog), SP, temperature and natural gamma. Spectral gamma. II) Formation density and caliper log III) Neutron Porosity IV) Full waveform sonic V) Dipole sonic VI) NMR VII) Magnetic susceptibility VIII) Dip meter log IX) Borehole deviation log X) Image logs (acoustic, electrical) XI) Water quality log (T, pH, TDS, conductivity, redox potential, salinity, density) XII) Flow meter log (Positive displacement meter ) XIII) Provision for collection of water samples at desired depths. (XIII) Elemental composition
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**4B CBL-VDL (Cased hole log) (Optional)**

**4C Tentative Perforation Services (Optional)**

Perforation services will be finalized at an appropriate later date in consultation with the Contractor. The Company may think of both wireline and TCP and additionally through tubing perforation. Bidders are requested to provide quotes for all the options in the specified format. For estimation of number of jobs, bidders may take two jobs per well at this stage or 6 m of perforation for the purpose of commercial evaluation.

**5 Number of Logging Tools and Units required**

**5.1** The Contractor shall require deploying one computerized logging truck along with crew, and one set of logging tools for carrying out NCAOR's logging operations. Supporting vehicle to transport the tools and equipment from one place to another will have to be provided by the Contractor at their own cost.

**5.2 Provision for Backup tools and Service**

The Contractor must keep extra tools / sondesas back-up. However, Operator will not pay any extra charges for such back-up tools.

**5.3 Experience of Logging Engineer**

The personnel provided for carrying out wireline logging, perforation and other associated operation must be competent, qualified and trained in specific line of operations. The Contractor shall provide the logging engineers with a minimum experience of 3 years for carrying out the wireline logging, perforation and related services specified in this Contract. The Contractor shall keep additional Logging Engineer(s) at their own cost to effectively carry out the job, if deemed fit.

## **6. CONTRACTORS RESPONSIBILITY**

Contractor shall provide all equipment, labour and materials and services specified herein or in the Compensation Schedule. Contractor shall be solely responsible for the operation of Contractor's Equipment including but not limited to the rigging up, testing, running in hole and rigging down thereof.

Contractor shall provide all necessary equipment, labour and services for the maintenance and calibration of all equipment at its supply base.

The contractor will be responsible for the following:

- a) The operation, maintenance, inspection, calibration and repair of all of his equipment.
- b) Function test and calibrate all tools upon arrival at the rig, and also prior to down hole operation
- c) Recording of logs of every run and provide a graphical and digital copy of the file in LAS, DLIS, LIS, ASCII in a USB Pen Drive and CD / DVD media
- d) Assembly/disassembly, repair and testing of all Formation Evaluation equipment and tools
- e) To replace or repair unusable equipment expeditiously maintains minimum inventory requested
- h) Recording of basic logs while going down is to be done for data security

## **7.0 Data Handling and Distribution**

Depth of all data to be recorded in meters

### **7.1 Hard Copy Output**

- a) Colour prints of tool sketches will be routinely made and provided to Company wellsite representative prior to logging run.
- b) Master calibration and pre and post calibrations
- c) A minimum of 100 meters of repeat log will be run for each suite of logs run in hole unless instructed otherwise by Company well site representative.
- d) Overlap logs of 50m minimum with previous logs (if available) are required.
- e) Three sets of field prints for each log will be made at the wellsite upon completion of logging jobs. Detailed curve scaling will be defined prior to logging.
- f) Final color prints of 1:200 and 1:500 scales for each measured depth and TVD log will be provided. Final prints in colour are to be delivered to the Company's Operation Geologist within seven days after completion of the job. For Dipmeter logs / FMI the scale shall be 1:20.
- g) Three copies of each log suite and each run, Measured and TVD, scales 1:200 and 1:500 is the minimum company requirement.

## 7.2 Soft Copy / Digital Output

- a) Store acquired data digitally. Data for each operation at the wellsite are to be furnished to Company Wellsite Geologist or Representative immediately following the job. The final log data will need to be given to Company in LAS format on CD/DVD-ROM or an USB Pen Drive or on 8 mm Exabyte cartridges or equivalent media.
- b) A subset of acquired data during the logging operation at the wellsite in digital form in LAS format in a CD /DVDROM or USB Pen Drive has to be provided.

## 7.3 Fluid Samples

- a) Fluid samples from formation testing or production downhole sampling tools should be packaged in US Department of Transportation (DOT) and / or IATA approved shipping containers or equivalent and are to be handed over to wellsite geologist.
- b) Sample chambers are not to be opened on any account or vented after recovery at surface, except by express permission of NCAOR. Unauthorised opening will be liable for rejection of sample.

**ANNEXURE-IV**

**PRICE BID FORMAT**

**One Number of suitable drilling rig capable to drill up to 3000m with 5” drill pipe, along with mud services, Cementing services, METP services, Mud logging services, Wireline logging services and supply of materials viz casing, well head, X-mas tree, cement, cement additives, chemicals etc.in Koyna region, Maharashtra State, India. The quote should be inclusive of all the cost plus all taxes, duties, etc.**

Quotation No. :: \_\_\_\_\_  
Name and type of the Drilling Rig (s) offered :: \_\_\_\_\_  
Currency of Quote :: \_\_\_\_\_

Sl. No.	Particular	Quant ity	Rate		TOTAL (=Quantity x Rate)		Service Tax (Pl. Specify % applied)		GRAND TOTAL	
		1	2		1 X 2 = 3		4		3 + 4 = 5	
			INR	International Tradable Currency (Pl. Specify quoted currency in words.....)	INR	International Tradable Currency (Pl. Specify quoted currency in words.....)	INR	International Tradable Currency (Pl. Specify quoted currency in words.....)	INR	International Tradable Currency (Pl. Specify quoted currency in words.....)
1	Lump-sum charges for civil works <b>(CW)</b> i.e. making the foundations for rig, DSA and approach road (Should not be more than 3 % of the total bid value).	Lump-sum								
2	Mobilisation Fee (Lump-sum), <b>(MOB)</b> for the rig and service. (Not to exceed 1 % of the total bid value).	Lump-sum								

3	<p>Per meter cost of drilling including cost of all services (i.e. Rig services, mud services, cementing services, METP services, Mud logging unit services, and Wire line logging services as per scope of work and technical specification at Annexure-III) to complete the well of 3000m depth. (Completion time means time from spudding of the well to Hermetical testing of the final casing plus 10 days for testing of the well) <b>(Rs. /Meter).</b></p>	3000 m							
4	<p>De-mobilisation Fee (lump-sum), (Not to exceed 1 % of the total bid value)<b>(DEMOB).</b></p>	Lump-sum							
<b>Total Bid Value</b>									

**\*L1 will be arrived considering Total Bid Value.**

**The quoted International Tradable Currency in words in complete is NOT specified in un-priced bid (to be provided with Techno-commercial Bid) as well as in Price Bid then the bid will be rejected.**

**The Foreign beneficiary of the International Tradable Currency quoted within the terms of Tender Document is not specified in un-priced bid (to be provided with Techno-commercial Bid) as well as in Price Bid then the bid will be rejected.**

**1 Basis for Comparison of Bids:**

Bids shall be compared based on contract value as calculated above.

- 2.** If any bidder wishes to import the rig and or equipment or any equipment meant for other services, the custom duty is to be borne by the bidder.

**Notes:**

- i. Bidder in the techno-commercial bid (un-priced bid) shall submit a copy of the price bid prices duly blanked out and put a tick mark (✓) against all the price elements at Sl. No. 1 to 4 as an indication of the item having been quoted by the bidder in the price bid.
- ii. Bidder shall quote rates inclusive of Service Tax taking into account input tax credits etc. available to them. Bidders shall be required to obtain Service Tax registration from the concerned Authorities, and submit service Tax Invoice(s) for payment under this contract. For the purpose of "Change in Law" clause, bidders shall separately indicate the Service tax percentage / amount included in the rates.
- iii. Bidders are required to ascertain themselves, the prevailing rates of Service tax and all other taxes and duties as applicable (alongwith rates of all related levies viz. Surcharges, Cess, etc.,) on the scheduled date of submission of Price Bids/ revised Price Bids (if any) and NCAOR would not undertake any responsibility whatsoever in this regard.

Accordingly, bidders should quote the prices, clearly indicating the applicable rate of Service Tax, / description of service as per Service Tax rules (under which the respective service is covered) alongwith all other taxes and duties applicable. Details of abatements / deductions available, if any, should also be indicated specifically.

Total price inclusive of all taxes and duties (including Service Tax) as applicable shall be taken for evaluation.

In case the Services Tax and other taxes are not quoted explicitly in the offer, the offer will be considered as inclusive of all liabilities of the same (Tax & Duties).

- 3.** For Services received by NCAOR in taxable Territory of India from a Service provider located outside the taxable territory of India, who does not have any fixed establishment or permanent address for providing taxable service in India, or as per relevant provisions of tender document, where the liability to pay 100% Service Tax is on NCAOR, the Bidder should not include the Service Tax in his quoted price. However, the Service Tax as applicable will be loaded for evaluation on the portion of services which attract Service Tax. In case the Bidder does not give break-up of the quoted price separately indicating the component for the taxable services, the Service Tax will be loaded on entire quoted / Contract value.
- 4.** Bidders offering Customs cleared Rig shall submit clear documentary evidence of its Customs clearance along-with un-priced bid, and shall indemnify NCAOR from any incidence of Customs duty leviable in future.

**Seal & Signature of the Bid**

**BID EVALUATION CRITERIA**

**A. Vital Criteria for Acceptance of Bids:-**

Bidders are advised not to take any exception/deviations to the bid document. Exceptions / Deviations, if any, should be brought out during the Pre-bid conference. NCAOR after processing such suggestions may, through an addendum to the bid document, communicate to the bidders the changes in its bid document, if any. Still, if exceptions /deviations are maintained in the bid, such conditional/ non-conforming bids shall not be considered and shall be outrightly rejected.

**B. REJECTION CRITERIA**

**B.1 TECHNICAL REJECTION CRITERIA**

The following vital technical conditions should be strictly complied with, failing which the bid will be rejected:

1.0 Bid should be complete covering all the Scope of Work laid down in tender document and should conform to the technical specifications indicated in the bid documents, duly supported with technical catalogues / literatures wherever required. Incomplete and non-conforming bids will be rejected outright.

2.0 **Experience of Bidder:**

2.1(a) The bidder should be a drilling contractor and should have drilling experience of minimum 3 years in the last 5 years (to be reckoned from the date of tender opening) on any type (Mobile/Type-I/Type-II/Type-III) of drilling rig or on the type of drilling rig to be offered in this tender. During the last 5 years, the bidder should have drilled at least one well of depth 2000m or more with 2 or 3 casing policy (13 3/8" inch, 9 5/8" inch, 5 1/2" inch). Such bidders shall provide other services through any of the short-listed agencies given in the tender document (Appendix 1 of BEC).

***Or***

The Bidder should be an E&P Company and should have drilling experience of minimum 3 years in the last 5 years (to be reckoned from the date of tender opening) of in-house drilling, Mud Services, Cementing Services capabilities and experience. The Bidder should have experience of drilling either on any type (Mobile/Type-I/Type-II/Type-III) of drilling rig or on the type of drilling rig to be offered in this tender. During the last 5 years, the bidder should have drilled at least one well of depth 2000m or more with 2 or 3 casing policy (13 3/8" inch, 9 5/8" inch, 5 1/2" inch). Any services not available in house shall be provided by any of the short-listed agencies given in the tender document (Appendix 1 of BEC).

***Or***

The bidder should be a service provider having minimum 3 years experience in the last 5 years (to be reckoned from the date of tender opening) in at least one of the main services listed below and also experience of executing one contract for integrated drilling services involving project management, Mud Services and Cementing Services during the last five years: -

- a) Mud services and
- b) Cementing Services
- c) Mud Logging Services
- d) Wireline Logging Services

Such bidders shall provide drilling services through a drilling contractor having minimum 3 years drilling experience in the last 5 years (to be reckoned from the date of tender opening) on the type of rig to be offered or on any type (Mobile/Type-I/Type-II/Type-III) of drilling rig and other service(s) through one of the short-listed agencies specified in the tender document (Appendix – 1 of BEC).

**Note :-A) The bidder has to submit the following documents to substantiate the required experience:-**

**I. Copies of the contracts showing:**

- a. Name of the operator with complete address.
- b. Duration (start and end) of contract
- c. Scope of work indicating the depth of wells drilled with casing details.
- d. Type of rig offered in the contract

**II. Documentary evidence in respect of satisfactory execution of the contracts in the form of copies of any of the following documents:**

(a) Satisfactory completion / performance report.

Or

(b) Proof of release of performance security bond after completion of the contract.

Or

(c) Proof of settlement / release of final payment against the contract.

Or

d) Any other documentary evidence that can substantiate the satisfactory execution of the contracts cited above.

**III. Supporting documents as per above, in support of experience, to be duly notarized as per rule of country of bidder**

Or

The documents to be authenticated by Indian Embassy / High Commission / Trade Consulates, located in the country of the bidder, indicating the following, for each supporting document submitted: -

- Contract No(s)
- Duration of Contract
- Scope of work indicating the depth of wells drilled with casing details.
- Type of Rig deployed
- Name of Operator with their complete address, present telephone number, fax number & e-mail address.

**B) An undertaking from the Bidder that “in case of documents / information provided by them proves to be incorrect or misleading, their offer shall be rejected by NCAOR and also NCAOR reserve the right to itself to put them on holiday”.**

2.1(b) In case the bidder is an Indian company / Indian Joint venture company, either the Indian company/ Indian Joint venture company or joint venture partner should meet the criteria laid down at 2.1(a).

- 2.1(c) In case the bidder is a 100% subsidiary company and do not meet the experience criteria on their own, then the parent company of such bidder should meet the experience criteria laid down at 2.1 (a).
- 2.1(d) In case the bidder is a consortium of companies, the lead Partner of the consortium should satisfy the minimum experience requirement laid down at 2.1(a).
- 2.2 Details of experience and past performance of the bidder or joint venture partner (in case of a joint venture) or Parent company (in case of subsidiary co.) or Leader of the Consortium (in case of Consortium bid) on works/ jobs done of similar nature in the past and details of current work-in-hand and other contractual commitments, indicating areas and clients are to be submitted along with documentary evidence in the techno-commercial bid, in support of the experience laid down at para 2.1(a) above.
- 3.0 Bidders quoting based on Joint Venture, shall submit an original Memorandum of Understanding / Agreement, specific to this tender (*indicating the Tender No. & Description*) with Joint Venture partner clearly indicating their roles under the Scope of Work, which shall also be addressed to NCAOR, and shall remain valid and binding for the contract period under this tender.

Memorandum of Understanding / Agreement must contain the complete address, telephone number, fax number of the Joint Venture Partner & E-mail Address of the person who has signed the MOU / Agreement.

Power of attorney in respect of person signing the MOU/Agreement on behalf of Joint Venture Partner should also be submitted along with the MOU / Agreement

#### 4.0 **Consortium Bids:**

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

- a) The leader of the consortium should satisfy the minimum experience requirement as per para 2.1(a) above.
- b) The leader of the consortium should confirm unconditional acceptance of full responsibility of executing the 'Scope of work' of this tender. This confirmation should be submitted along with the techno-commercial bid.
- c) All the members of the consortium must undertake in their MOU that each party shall be jointly and severally liable to NCAOR for any and all obligations and responsibilities arising out of this contract.

#### 5.0 **Eligibility criteria in case bid is submitted on the basis of technical experience of the parent/subsidiary company and on the basis of experience of sister subsidiary/co-subsidiary company:**

##### 5.1 **Eligibility criteria in case bid is submitted on the basis of technical experience of the parent / subsidiary company:**

Offers of those bidders who themselves do not meet the technical experience criteria as stipulated in the BEC can also be considered provided the bidder is a subsidiary company of the parent company in which the parent company has 100% stake or parent company can also be considered on the strength of its 100% subsidiary. However, the parent/subsidiary company of the bidder should on its own meet the technical experience as stipulated in the BEC and should not rely for meeting the technical experience criteria on its sister subsidiary/co-subsidiary

company or through any other arrangement like Technical collaboration agreement. In that case as the subsidiary company is dependent upon the technical experience of the parent company or vice-versa with a view to ensure commitment and involvement of the parent/subsidiary company for successful execution of the contract, the participating bidder should enclose an Agreement (as per format enclosed at Appendix-3 of BEC) between the parent and the subsidiary company or vice-versa and Parent/Subsidiary Guarantee (as per format enclosed at Appendix-4 of BEC) from the parent/subsidiary company to NCAOR for fulfilling the obligation under the Agreement, along with the techno-commercial bid.

**5.2 Eligibility criteria in case bid is submitted on the basis of technical experience of sister subsidiary / co-subsidiary company:**

Offers of those bidders who themselves do not meet the technical experience criteria stipulated in the BEC can also be considered based on the experience criteria of their Sister subsidiary/Co-subsidiary company within the ultimate parent/holding company subject to meeting of the following conditions:

- i. Provided that the sister subsidiary/co-subsidiary company and the bidding company are both 100% subsidiaries of an ultimate parent/holding company either directly or through intermediate 100% subsidiaries of the ultimate parent/holding company or through any other 100% subsidiary company within the ultimate/holding parent company. Documentary evidence to this effect to be submitted by the ultimate parent/holding company along with the techno-commercial bid.
- ii. Provided that the sister subsidiary/co-subsidiary company on its own meets and not through any other arrangement like Technical collaboration agreement meets the technical experience criteria stipulated in the BEC.
- iii. Provided that with a view to ensure commitment and involvement of the ultimate parent/holding company for successful execution of the contract, the participating bidder shall enclose an agreement (as per format enclosed at Appendix -5 of BEC) between them, their ultimate parent/holding company and the sister subsidiary/co-subsidiary company.

**6.0 Bidder's Equipment:**

6.1 The bidder shall offer serviceable / new drilling Rig fulfilling Scope of Work and conforming to the Technical Specifications laid down in the Bid Document. The complete details of the last contract taken up, last Operator and the period during which the Rig was last in operation shall be submitted with documentary evidence in the techno-commercial bid. Idling period of the Rig shall not be more than 3 years continuously on the date of submission of Bid.

6.2 The Bidder shall confirm in the un-priced bid that the equipment of the offered Drilling Rig are in good working condition and shall furnish a Certificate from any one of the Third Party Inspection Agencies like, DNV, BV, Lloyds, Oil Field Audit Services Inc., and ABS bringing out the condition, status of the Drilling Rig & the equipment (as per Appendix-2.A or Appendix-2.B of BEC, as the case may be) and confirmation to the effect that Residual Life of the Rig & its Equipment are not less than five years as on the date of opening of techno-commercial bid. The Certificate from TPI Agency should not be more than six months old, as on the date of opening of techno-commercial bid.

This however, shall not be applicable for bidders offering new and unused Drilling Rig and new and unused equipment.

7.0 **Age of the Rig & Equipment:**

7.1 Bidders may refer current provisions of Import Export Policy for the import of second hand Rig & equipment and quote accordingly.

7.2 Offered Rig & its Equipment should not be older than 15 years as on the date of opening of technical bids.

Rigs older than 15 years may also be offered provided their residual life is not less than 5 years as on the date of issue of TPI report, and following documents are submitted to ascertain the health of the Rig:

a) **Third Party Inspection Report for Rig & Equipments:**

The bidder shall submit conclusive inspection report - specific to each equipment as per Appendix-2.A of BEC of tender document mentioning the residual life of equipment from any of the TPI agencies such as ABS, BV, DNV, Lloyds, & Oil Field Audit Services Inc.

The TPI report should not be older than 6 months as on date of opening of tender.

(b) **Refurbishment & Up-gradation report for Rotating Equipment:**

The bidder shall submit comprehensive details in respect of critical rotating equipments as per the format given at Appendix-2.B of BEC of tender document from any of the TPI agencies such as ABS, BV, DNV, Lloyds, & Oil Field Audit Services Inc.

The TPI report should not be older than 6 months as on date of opening of tender.

In case last refurbishment / up-gradation date is older than 5 years as on date of issue of TPI report, in respect of any equipment in the format or present operational status is unsatisfactory, bid shall be rejected.

7.3 **For New Equipment**

Bidders offering new equipment shall confirm that the item (s) / equipment (s) are new and unused and are meeting the technical specifications and should submit details as per Appendix-2 and Appendix-5 of Annexure-III. Wherever Makes are specified, bidder should quote those Makes only.

8.0 **Identification of Rig:**

8.1 Bidders shall identify the offered Rig in the techno-commercial bid along-with documentary proof confirming availability of the rig for this contract. However, Bidders will not be allowed to substitute the rig once offered by them in their bid during the period of bid validity.

However, the bidder will have an option to change the identified rig at the time of extending the bid validity, on the request of NCAOR during tender processing, provided the substitute Rig meets tender requirements including but not limited to BEC clauses and such a bidder shall strictly adhere to the following steps, subsequent to NCAOR seeking extension of bid validity: -

- (i) Reply within the cut-off date specified by NCAOR for indicating extension of bid validity and if bidder opts so, to indicate whether any originally offered Rig(s) is proposed to be substituted.
- (ii) To submit all details and documents including Third Party Inspection Report, within 15 days from the cut-off date specified for indicating extension of bid validity.

- (iii) Date of issue of Third Party Inspection Report of substitute Rig & Equipment should not be older than 6 months reckoned from the date specified for submitting details and documents {i.e. the date at (ii) above}.
- 8.2 Bidder can offer more than one rig against the requirement of rig giving complete technical details for evaluation. All the rigs would be techno-commercially evaluated. The bidder can mobilize any one of the rigs found techno-commercially acceptable by NCAOR but the name of the rig to be mobilized by the bidder, would have to be furnished by them within 15 days of placement of LOA.
- 8.3 Bidder can also offer identified rigs but with the condition 'subject to availability'. Such bids shall be considered for techno-commercial evaluation. However, bidders have to confirm the availability of rig along-with valid original MOU within 7 days of notice from NCAOR in this regard, failing which their offer shall not be considered for price bid opening.
- 8.4 In case bidder is the owner of the offered Rig, bidder himself shall certify availability of the Rig for this contract.
- 8.5 Bidders offering a leased Rig or Rig proposed to be purchased shall submit in the un-priced bid original MOU/Agreement of lease/purchase concluded specifically for this tender with the owner of the Rig along-with documentary proof of ownership. The MOU/Agreement shall clearly state that the Rig (name of the rig) is not being offered by the owner to anybody else other than the bidder against NCAOR tender No **NCAOR/BGRL-KOYNA3km/01/2015**. The MOU/Agreement shall be kept valid through the validity of the bid. Successful bidder shall be required to keep it valid throughout the contract period.

9.0 **Inspection:**

- 9.1 The Contractor shall deploy the Drilling Unit and other services, duly inspected by third party inspection agency and accepted by NCAOR, at the specified location nominated by NCAOR, within 120 days from the date of issue of letter of award. TPI shall be conducted at the Location.
- 9.2 NCAOR will accept the Drilling Unit only after NCAOR nominated Third Party Inspection Agency confirms that the Drilling Unit is as per tender specifications and that the Drilling Unit has undergone regular repair / maintenance / overhauling as per required Industry practice.

NCAOR nominated TPI Agency will be out of the following agencies: -

**(a) DNV (b) BV (c) Lloyds (d) ABS (e) Oilfield Audit Services Inc**

The Bidder has to carry-out the inspection of the drilling rig through any one of the TPI agencies mentioned above. The Inspection to be completed within a period of 10 days and the cost of the inspection has to be borne by the Bidder.

**B.2. COMMERCIAL – REJECTION CRITERIA**

The following vital commercial conditions should be strictly complied with failing which the bid will be rejected:-

- 1.0 Bid along with all appendices and copies of documents should be submitted in two-bid system. The Techno- Commercial bid shall contain all details without indicating prices of the quoted items. The Price bid shall contain only the prices duly filled in strictly as per the price format.

Offers with techno commercial bid containing prices shall be rejected outright.

2.0 The offers of the bidders indicating / disclosing prices in techno commercial (un-priced bid) or at any stage before opening of price bid shall be straight away rejected.

**3.0 Acceptance of Terms&Conditions :**

The bidder must confirm unconditional acceptance of General Conditions of Contract at Annexure II, and Instruction to Bidders at Annexure I.

**4.0 Offers of following kinds will be rejected:**

- (a) Offers made without Bid Security/Bid Bond/Bank Guarantee along-with the offer (Refer clause 17 of Instruction to Bidders at Annexure I).
- (b) Offers made by Agents/Representatives of foreign principals.
- (c) Offers which do not confirm unconditional validity of the bid for 120 days from the date of opening of bid
- (d) Offers where prices are not firm during the entire duration of the contract and/or with any qualifications.
- (e) Offers which do not confirm to the mobilization period indicated in the bid.
- (f) Offers which do not confirm to the contract period indicated in the bid.
- (j) Offers not accompanied with a copy of valid registration certificate under Service Tax Rules or an undertaking for submission of copy of requisite service tax registration certificate along with the first invoice under the contract. (Not Applicable for Service providers from outside India, who do not have any fixed establishment or permanent address in India).

Offers not accompanied with a declaration to the effect that the bidder do not have any fixed establishment or permanent address in India. (Applicable for Service providers from outside India, who do not have any fixed establishment or permanent address in India).

- (l) Offers not accompanied with a declaration that neither the bidders themselves, nor any of its allied concerns, partners or associates or directors or proprietors involved in any capacity, are currently serving any banning orders issued by NCAOR debaring them from carrying on business dealings with NCAOR.

**5.0 Financial Criteria for ascertaining Financial Capability of the Bidders:**

1. Turnover of Bidders: Average Turnover of Bidders in last three financial years should be INR 10,00,00,000 (Rupees Ten Crores Only) or USD 16,00,000 (US Dollar 1.6 Million). The Average turnover of the prospective bidder for the last three years ending 31<sup>st</sup> March 2014 (i.e. April 2011 to March 2012, April 2012 to March 2013, April 2013 to March 2014) should be atleast INR 10,00,00,000 (Rupees Ten crores only) or USD 16,00,000 (US Dollar 1.6 Million). The audited financial statement consisting of balance sheet, trading, profit and loss account, and Audit report for last three years of 2011-2012, 2012 – 2013, 2013-2014 should be enclosed.
  - i) In case the bidder is a subsidiary company (should be a 100% subsidiary of the parent/ultimate parent/holding company) who doesnot meet financial criteria by itself and submits his bid based on the financial strength of his parent/ultimate parent/holding company, then following documents need to be submitted:
    - a) Turnover of the parent/ultimate parent/holding company should be INR 10,00,00,000 (Rupees Ten Crores Only) or USD 16,00,000 (US Dollar 1.6 Million).
    - b) Corporate guarantee on parent/ultimate parent/holding company's, company's letter head signed by an authorized official undertaking that they would financially support their 100% subsidiary company or executing the project/job in case the same is awarded to them and

c) The bidder is a 100% subsidiary company of the parent/ultimate/holding parent company.

ii). The consortium partners should individually meet the turnover limit in proportion to the percentage of work to be performed by them respectively in terms of the limit of turnover specified in the tender. For this purpose, the bidder should indicate in the un-priced bid, the percentage of work to be performed by the respective consortium members. However, the financial capability of sub-contractors will not be taken into consideration.

6.0 **Mobilization Period:** -

Bidders are required to confirm that they will mobilize the Drilling Rig(s), duly inspected by Third Party Inspection Agency and accepted by NCAOR, and make it available at the specified location(s) within 120days from the date of Letter of Award.

6.1

(i) Bidder should note that in case the successful bidder fails to mobilize and deploy the Drilling Unit along with crew and/or fails to commence operations within the period specified above, NCAOR shall have without prejudice to any other provision in the contract including sub clause (ii) below, the right to invoke the performance bond, forfeit the amount of performance bond and terminate the contract.

(ii) If the Contractor is unable to mobilize / deploy the Drilling Rig and commence the operation within the period specified in sub-clause above, it may request NCAOR for extension of the time with unconditionally agreeing for payment of Liquidated Damages. Upon receipt of such a request, NCAOR may, at its discretion, extend the period of mobilization and shall recover from the Contractor, as ascertained and agreed Liquidated Damages not by way of penalty, a sum equivalent to ½% of Contract Value for each week of delay or part thereof subject to a maximum of 10%. Operator shall have at any time but before Commencement Date, the right to terminate the Contract in the event Contractor fails to deploy the Drilling Unit at the drilling location within aforesaid period, without prejudice to any other clauses including LD Clause.

LD will be calculated on the basis of Contract Value excluding duties and taxes, where such duties / taxes have been shown separately in the Contract.

The parties agree that sum specified above is not a penalty but a genuine pre-estimate of the loss/damage which will be suffered on account of delay / breach on the part of the contractor and the said amount will be payable on demand, without there being any proof of the actual loss or damages caused by such delay/breach.

7.0 **Mobilization Fee:**

Bidder may quote mobilization fee not exceeding 1%(one percent) of the total contract value.

**Notes:-**

- 1) Mobilization Fee includes Rig and all the equipment's required for services as per scope of work.
- 2) Mobilization Fee include Service tax
- 3) In case the Mobilization Fee quoted by a Bidder exceeds the limit specified above, the offer of such bidder will be considered with the maximum mobilization fee of one percent of the contract value for evaluation purpose.

8.0 **De-mobilization fee:**

Bidder may quote de-mobilization fees not exceeding 1% (one percent) of the total contract value.

**Notes:-**

- 1) De-mobilization Fee includes Rig and all the equipment's required for services as per scope of work.
- 2) De-mobilization Fee include Service tax
- 3) In case the De-mobilization Fee quoted by a Bidder exceeds the limit specified above, the offer of such bidder will be considered with the maximum De-mobilization fee of one percent of the contract value for evaluation purpose.

9.0 **Custom Duty:**

**NCAOR will not pay any custom duty over and above the quoted price for import of rig and equipment of rig/or equipment meant for other services. The custom duty is to be borne by the bidder.**

Bidders offering customs cleared Rig shall submit clear documentary evidence of its Customs clearance along-with Techno-commercial bid, and shall indemnify NCAOR from any incidence of Customs Duty leviable in future.

10.0 **Boarding & Lodging of NCAOR Personnel:**

Boarding & lodging for 8 personnel of NCAOR and / or NCAOR's designated personnel at Rig Site should be made free of cost by the Contractor.

11.0 **Earnest Money/Bid Bond/Bid Security:**

The bidder shall furnish as part of his techno-commercial bid, Bid Security for the amount as indicated below as per details Clause No. 17 of Annexure-I ('Instructions to the Bidders') of tender document: -

Bid bond amount
Rs 50,00,000 (Rupees Fifty Lakhs only) or USD 80,000 (US Dollar Eighty Thousand)

- 12.0 Indian agent is not permitted to represent more than one foreign bidder (Contractor) in this tender. In case an Indian agent represents more than one foreign bidder (Contractor) in the tender, then offers of such foreign bidders shall be rejected in that tender.

**C. PRICE EVALUATION CRITERIA**

- 1.0 While evaluating the bids, the closing billselling rates of exchange advised by the State Bank of India on the day of opening of price bid/revised price bid will be taken into account for conversion of foreign currency into Indian Rupees. Where the time lag between opening of price bid and final decision of arriving at the L1 bidder (after evaluation of the price bid) exceeds three months, the bills selling rate of exchange advised by SBI on the day of final decision will be adopted for conversion of foreign currency into Indian Rupees.

2.0 Tender is for: -

**Drilling one vertical, 3000m deep borehole for scientific investigations in the Koyna region, Maharashtra. Drilling should be accomplished on Integrated Well Completion (IWC) basis inclusive of rig and associated services as detailed in the tender document.**

Bids shall be compared on the basis of Contract value worked out as per Price Format given in tender document.

**D. General**

1.0 The BEC over-rides all other similar clauses operating anywhere in the Bid Documents.

2.0 The bidder/contractor is prohibited to offer any service / benefit of any manner to any employee of NCAOR and that the contractor may suffer summary termination of contract / disqualification in case of violation.

3.0 The cut-off period for experience of bidder, personnel, Rig idling period, etc. shall be reckoned from the date of technical bid opening.

.....

**SHORT-LISTED AGENCIES FOR OTHER SERVICES**

**A. MUD SERVICES :**

1. M/s Baker Hughes Singapore Pte, Singapore
2. M/s Halliburton, USA
3. M/s MI Overseas Limited, UAE,
4. M/s KMC-Oil Tools, Mumbai,
5. M/s M.B. Petroleum Services, LLC, Oman,
6. M/s Rheochem India Pvt Ltd, Mumbai.
7. M/s Q-Max Solutions, Canada,
8. M/s Alliance Energy Services International Ltd, Alberta, Canada.

**B. CEMENTING SERVICES :**

1. M/s Schlumberger Asia Services, Ltd, Mumbai and supply cement additives by any of Schlumbergergroupof Companies.
2. M/s Halliburton, Mumbai,
3. M/s B.J. Services Company Middle East Ltd. Dubai
4. M/s Trican Well Services Ltd., Canada.

**C. MUD LOGGING SERVICES**

1. M/s Schlumberger Asia Services, Ltd, Mumbai
2. M/s Weatherford
3. M/s Geologging Services
4. M/s Oil Field instrumentation (India) Pvt. Ltd, Mumbai

**D. WIRELINE LOGGINGSERVICES:**

1. M/s Halliburton, USA
2. M/s Schlumberger Asia Services, Ltd, Mumbai
3. M/s Weatherford
4. M/s Baker Hughes Inc.

**Appendix – 2.A of B.E.C**

**DRILLING RIG INSPECTION CERTIFICATE**

**(SEPARATE CERTIFICATE TO BE ISSUED FOR RIG)**

*(TO BE ISSUED BY ABS/BV / DNV / LLOYDS / OIL FIELD AUDIT SERVICES / FOR OLD RIGS/ EQUIPMENTS)  
ALREADY PURCHASED OR ON LEASE / HIRED)*

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

The following rig and equipment were inspected physically on \_\_\_\_ (date), offered against Tender No. NCAOR/BGRL-KOYNA3km/01/2015 and certified as under:

Description	Details
Identification No. of Rig	
Current Location of the Rig	
Present Owner of the Rig (Detailed address, telephone & Fax No.)	
Rig – Make; Model; Capacity (in HP / Tons)	
Year of Manufacture of Rig	

Description	Make / ID No.	Model / H.P / Capacity / Pressure Rating	Date of Manufacture	Present operational status (“Satisfactory / Un-satisfactory”)	Residual Life	Remarks of Certifying Agency (“Whether meets the tender specifications”)
<b>(A) ROTATING EQUIPMENT</b>						
Draw Works						
Eddy Current Brake / Disc Brake / Regenerative type Brake						
Mud Pumps						
Super Charger Pumps						
Engines						
AC / DC Motors						
Generators						
Compressors (all type)						
Travelling Block						
Crown Block						

Hook						
Swivel						
Rotary Table						
Top Drive						
Linear Motion Shake Shakers						
De-sander						
De-gasser						
Jet Shearing Device						
Centrifuge						
Linear Motion Mud Cleaner						
Mud Agitators						
Instrumentation System						
Drill String Last NDT Done						
<b>(B) STATIC EQUIPMENT</b>						
MAST						
Sub-structure						
Standpipe Manifold						
Rotary Hose						
Mud Tanks						
Trip tank						
Water Tank						
Diesel Tank						
Annular BOP (all sizes)						
Ram Type BOP (all sizes)						
BOP Control Unit						
Choke & Kill Manifold						

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

Signature:

Name:

Designation:

**Note:** For the Rig /Equipment already in existence, the above certificate shall be given by Third Party Inspection Agency namely ABS/BV / DNV / LLOYDS / OIL FIELD AUDIT SERVICES on their letter head in original. Certification from other agencies will not be accepted.

**APPENDIX – 2.B of B.E.C**

**THIRD PARTY INSPECTION CERTIFICATE**

**(FOR ROTATING EQUIPMENTS OF DRILLING RIGS OLDER THAN 15 YEARS)**

**(Separate certificate to be issued for the Rig)**

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

The following Rig and Equipment were inspected physically on \_\_\_\_\_ (date), offered against Tender No. NCAOR/BGRL-KOYNA3km/01/2015 and certified as under:

Description	Make / ID No.	Model / H.P / Capacity / Pressure Rating	Date of Manufacture	Last Refurbishment / Up-gradation Date with details	Present operational status ("Satisfactory / Unsatisfactory")	Remarks of Certifying Agency ("Whether meets the tender specifications")
<b>(A) ROTATING EQUIPMENT</b>						
Draw Works						
Eddy Current Brake /Disc Brake /Regenerative type Brake						
Mud Pumps						
Super Charger Pumps						
Engines						
AC / DC Motors						
Generators						
Compressors (all type)						
Travelling Block						
Crown Block						
Hook						
Swivel						
Rotary Table						
Top Drive						
Linear Motion Shake Shakers						

De-sander						
De-gasser						
Jet Shearing Device						
Centrifuge						
Linear Motion Mud Cleaner						
Mud Agitators						
Instrumentation System						
Drill String Last NDT Done						

The Equipment after due inspection, is found in good operating and working conditions.

Signature: \_\_\_\_\_

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

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

**Note:** For the Rig /Equipment already in existence, the above certificate shall be given by Third Party Inspection Agency namely ABS/BV / DNV / LLOYDS / OIL FIELD AUDIT SERVICES on their letter head in original. Certification from other agencies will not be accepted.

**FORMAT OF AGREEMENT BETWEEN BIDDER AND THEIR PARENT COMPANY / 100% SUBSIDIARY COMPANY (As the case may be)**

(TO BE EXECUTED ON STAMP PAPER OF REQUISITE VALUE AND NOTORISED)

This agreement made this \_\_\_ day of \_\_\_ month \_\_\_ year by and between M/s. \_\_\_\_\_ (Fill in the Bidder's full name, constitution and registered office address) hereinafter referred to as bidder on the first part and M/s. \_\_\_\_\_ (Fill in full name, constitution and registered office address of Parent Company/Subsidiary Company, as the case may be) hereinafter referred to as "Parent Company/Subsidiary Company (Delete whichever not applicable)" of the other part:

WHEREAS

M/s. National Centre for Antarctic and Ocean Research (hereinafter referred to as NCAOR) has invited offers vide their tender No. NCAOR/BGRL-KOYNA3km/01/2015for \_\_\_\_\_ and

M/s. \_\_\_\_\_(Bidder) intends to bid against the said tender and desires to have technical support of M/s. \_\_\_\_\_[Parent Company/ Subsidiary Company-(Delete whichever not applicable)] and whereas ParentCompany/ Subsidiary Company (Delete whichever not applicable) represents that they have gone through and understood the requirements of subject tender and are capable and committed to provide the services as required by the bidder for successful execution of the contract, if awarded to the bidder.

Now, it is hereby agreed to by and between the parties as follows:

1. M/s. \_\_\_\_\_(Bidder) will submit an offer to NCAOR for the full scope of work as envisaged in the tender document as a main bidder and liaise with NCAOR directly for any clarifications etc. in this context.
2. M/s. \_\_\_\_\_ (Parent Company/ Subsidiary Company (Delete whichever not applicable)) undertakes to provide technical support and expertise, expert manpower and procurement assistance and project management to support the bidder to discharge its obligations as per the Scope of work of the tender / Contract for which offer has been made by the Parent Company/Subsidiary Company (Delete whichever not applicable) and accepted by the bidder.
3. This agreement will remain valid till validity of bidder's offer to NCAOR including extension if any and till satisfactory performance of the contract in the event the contract is awarded by NCAOR to the bidder
4. It is further agreed that for the performance of work during contract period bidder and Parent Company/Subsidiary Company (Delete whichever not applicable) shall be jointly and severally responsible to NCAOR for satisfactory execution of the contract.
5. However, the bidder shall have the overall responsibility of satisfactory execution of the contract awarded by NCAOR.

In witness whereof the parties hereto have executed this agreement on the date mentioned above.

For and On Behalf of  
**(Bidder)**  
Signature \_\_\_\_\_  
Name \_\_\_\_\_  
Designation \_\_\_\_\_  
official seal \_\_\_\_\_

For and On Behalf of  
**(Parent Company)**  
Signature \_\_\_\_\_  
Name \_\_\_\_\_  
Designation \_\_\_\_\_  
official seal \_\_\_\_\_

**PARENT COMPANY/ SUBSIDIARY COMPANY GUARANTEE (Delete whichever not applicable)**

(TO BE EXECUTED ON STAMP PAPER OF REQUISITE VALUE AND NOTORISED)

**DEED OF GUARANTEE**

THIS DEED OF GUARANTEE executed at ..... this ..... day of ..... by M/s ..... (mention complete name) a company duly organized and existing under the laws of ..... (insert jurisdiction/country), having its Registered Office at ..... hereinafter called "the Guarantor" which expression shall, unless excluded by or repugnant to the subject or context thereof, be deemed to include its successors and permitted assigns.

WHEREAS

M/s National Centre for Antratic and ocean research, Goa under Ministry of Earth Sciences hereinafter called "NCAOR" which expression shall unless excluded by or repugnant to the context thereof, be deemed to include its successor and assigns, invited tender number ..... for ..... on .....

M/s ..... (mention complete name), a company duly organized and existing under the laws of ..... (insert jurisdiction/country), having its Registered Office at ..... (give complete address) hereinafter called "the Company" which expression shall, unless excluded by or repugnant to the subject or context thereof, be deemed to include its successor and permitted assigns, have, in response to the above mentioned tender invited by the NCAOR, submitted their bid number ..... to the NCAOR with one of the condition that the Company shall arrange a guarantee from its parent company guaranteeing due and satisfactory performance of the work covered under the said tender including any change therein as may be deemed appropriate by the NCAOR at any stage.

The Guarantor represents that they have gone through and understood the requirement of the above said tender and are capable of and committed to provide technical and such other supports as may be required by the Company for successful execution of the same.

The Company and the Guarantor have entered into an agreement dated ..... as per which the Guarantor shall be providing technical and such other supports as may be necessary for performance of the work relating to the said tender.

Accordingly, at the request of the Company and in consideration of and as a requirement for the NCAOR to enter into agreement(s) with the Company, the Guarantor hereby agrees to give this guarantee and undertakes as follows:

- 1. The Guarantor (Parent Company / 100% Subsidiary Company (Delete whichever not applicable) unconditionally agrees that in case of non-performance by the Company of any of its obligations in any respect, the Guarantor shall, immediately on receipt of notice of demand by the NCAOR, take up the job without any demur or objection, in continuation and without loss of time and without any cost to NCAOR and duly perform the obligations of the Company to the satisfaction of the NCAOR.**
2. The Guarantor agrees that the Guarantee herein contained shall remain valid and enforceable till the satisfactory execution and completion of the work (including discharge of the warranty obligations) awarded to the Company.
3. The Guarantor shall be jointly with the Company as also severally responsible for satisfactory performance of the contract entered between the Company and the NCAOR.

4. The liability of the Guarantor, under the Guarantee, is limited to the 50% of the contract price entered between the Company and the NCAOR. This will, however, be in addition to the forfeiture of the Performance Guarantee furnished by the Company.
5. The Guarantor represents that this Guarantee has been issued after due observance of the appropriate laws in force in India. The Guarantor hereby undertakes that the Guarantor shall obtain and maintain in full force and effect all the governmental and other approvals and consents that are necessary and do all other acts and things necessary or desirable in connection therewith or for the due performance of the Guarantor's obligations hereunder.
6. The Guarantor also agrees that this Guarantee shall be governed and construed in accordance with the laws in force in India and subject to the exclusive jurisdiction of the courts of ....., India.
7. The Guarantor hereby declares and represents that this Guarantee has been given without any undue influence or coercion, and that the Guarantor has fully understood the implications of the same.
8. The Guarantor represents and confirms that the Guarantor has the legal capacity, power and authority to issue this Guarantee and that giving of this Guarantee and the performance and observations of the obligations hereunder do not contravene any existing laws.

For & on behalf of (Parent Company/Subsidiary Company (Delete  
whichever not applicable))

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

Witness:

1. Signature \_\_\_\_\_  
 Full Name \_\_\_\_\_  
 Address \_\_\_\_\_

Signature \_\_\_\_\_  
 Name \_\_\_\_\_  
 Designation \_\_\_\_\_

Common seal of the Company \_\_\_\_\_

Witness:

2. Signature \_\_\_\_\_  
 Full Name \_\_\_\_\_  
 Address \_\_\_\_\_

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#### **INSTRUCTIONS FOR FURNISHING PARENT/SUBSIDIARY COMPANY GUARANTEE**

1. Guarantee should be executed on stamp paper of requisite value and notarised.
2. The official(s) executing the guarantee should affix full signature (s) on each page.
3. Resolution passed by Board of Directors of the guarantor company authorizing the signatory (ies) to execute the guarantee, duly certified by the Company Secretary should be furnished alongwith the Guarantee.
4. Following certificate issued by Company Secretary of the guarantor company should also be enclosed alongwith the Guarantee.

“Obligation contained in the deed of guarantee No.\_\_\_\_\_ furnished against tender No. \_\_\_\_\_ are enforceable against the guarantor company and the same do not, in any way, contravene any law of the country of which the guarantor company is the subject”

**FORMAT OF AGREEMENT BETWEEN BIDDER THEIR SISTER SUBSIDIARY/CO-SUBSIDIARY COMPANY AND THE ULTIMATE PARENT/HOLDING COMPANY OF BOTH THE BIDDER AND THE SISTER SUBSIDIARY/CO-SUBSIDIARY (Strike out whichever is not applicable between Ultimate Parent and Holding Company. Similarly strike out whichever is not applicable between Sister Subsidiary and Co-subsidiary Company)**

**(TO BE EXECUTED ON STAMP PAPER OF REQUISITE VALUE AND NOTARISED)**

This agreement made this \_\_\_ day of \_\_\_ month \_\_\_ year by and between M/s. \_\_\_\_\_ (Fill in Bidder's full name, constitution and registered office address) \_\_\_\_\_ hereinafter referred to as "Bidder" of the first part and

M/s. \_\_\_\_\_ (Fill in full name, constitution and registered office address of Sister Subsidiary/Co-subsidiary Company of the Bidder) herein after referred to as "Sister Subsidiary/ Co-subsidiary" of the second part and

M/s. \_\_\_\_\_ (Fill in the full name, constitution and registered office address of the Ultimate Parent/Holding Company's of both the subsidiaries) hereinafter referred to as "Ultimate Parent/ Holding Company" of the third part.

WHEREAS

M/s. National Centre for Antarctic and Ocean Research (hereinafter referred to as NCAOR) has invited offers vide their tender No. NCAOR/BGRL-KOYNA3km/01/2015for \_\_\_\_\_ and

M/s. \_\_\_\_\_ (Bidder) intends to bid against the said tender and desires to have a technical support of M/s. \_\_\_\_\_ (Sister Subsidiary/Co-subsidiary Company) and

Sister Subsidiary/Co-subsidiary Company represents that they have gone through and understood the requirements of subject tender and are capable and committed to provide the services as required by the bidder for successful execution of the contract, if awarded to the bidder.

Now, it is hereby agreed to by and between all the three parties as follows:

1. M/s. \_\_\_\_\_ (Bidder) will submit an offer to NCAOR for the full scope of work as envisaged in the tender document.
2. M/s. \_\_\_\_\_ (Sister Subsidiary/Co-subsidiary Company) undertakes to provide technical support and expertise and expert manpower, material, if any, to support the bidder to discharge its obligations as per the Scope of work of the tender / Contract for which offer has been made by the bidder.
3. This agreement will remain valid till validity of bidder's offer to NCAOR including extension if any and also till satisfactory performance of the contract in the event the bid is accepted and contract is awarded by NCAOR to the bidder.
4. Sister Subsidiary/ Co-subsidiary Company unconditionally agrees that in case of award of contract to the Bidder, if the Bidder is unable to execute the contract, they shall, immediately on receipt of notice by NCAOR, take up the job without any demur or objection, in continuation without loss of

time and without any extra cost to NCAOR and duly perform the obligations of the Bidder/Contractor to the satisfaction of NCAOR.

5. The Ultimate Parent/Holding Company also confirms and undertakes that the commitment made by the Sister Subsidiary/ Co-subsidiary company in providing the technical support and technical expertise and expert manpower to support the bidder for execution of the contract are honoured.
6. The Ultimate Parent/Holding Company also takes full responsibility in getting the contract executed through the Sister subsidiary/ Co-subsidiary company in case the Bidder/Contractor is unable to execute the contract.
7. In witness whereof the parties hereto have executed this agreement on the date mentioned above.

For and on behalf of  
(Bidder)

M/s.

For and on behalf of  
(Sister Subsidiary / Co-  
subsidiary)

M/s.

For and on behalf of  
(Ultimate Parent / Holding  
Company)

M/s.

Witness

1)

2)

Witness

1)

2)

Witness

1)

2)

Note: In case of contracts involving - (a) manufacture/supply (b) installation and commissioning (c) servicing and maintenance of any equipment, as the bidding company can draw on the experience of their multiple subsidiary sister/Co-subsidiary company (ies) specializing in each sphere of activity, i.e. (a) manufacture/supply (b) installation and commissioning (c) servicing and maintenance, therefore, in that case, the above format shall be signed by all the sister/Co-subsidiary company(ies) and necessary modifications may be made in the above format to include all sister subsidiaries.

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**ANNEXURE-VI**

**TECHNICAL BEC COMPLIANCE MATRIX**

<b>Tender No.</b> NCAOR/BGRL-KOYNA3km/01/2015 for Hiring of 01 No. of suitable drilling rig capable of drilling up to 3000m with Services: -	
Name & complete Address of Bidder:	Name & complete Address of Joint Venture Partner / Parent Company <i>(to be indicated for each, as applicable)</i>
Phone No.:	Phone No.:
Fax No.:	Fax No.:
E-Mail:	E-Mail:
Legal Constitution & Date of Incorporation / Commencement of Business:	Legal Constitution & Date of Incorporation / Commencement of Business:

**Bidder must indicate the following information regarding the Rig(s) quoted: -**

Category	No. of Rig (s) quoted	Whether rigs are owned /proposed purchase or Leased	Year of Manufacturer	Present location of Rig

BEC Cl. No.	Clause	Bidder to indicate "CONFIRME D" / "NOT CONFIRMED " in Indelible Ink, against each Clause / Sub-Clause	Bidder to indicate the relevant Page No. of their Bid (for supporting Document, etc), corresponding to each clause.

<b>A.</b>	Bidders are advised not to take any exception/deviations to the bid document. Exceptions / Deviations, if any, should be brought out during the Pre-bid conference. NCAOR after processing such suggestions may, through an addendum to the bid document, communicate to the bidders the changes in its bid document, if any. Still, if exceptions /deviations are maintained in the bid, such conditional/ non-conforming bids shall not be considered and shall be out-rightly rejected.		
<b>BEC Cl. No.</b>	<b>Clause Description</b>	Bidder to indicate "CONFIRMED" / "NOT CONFIRMED" in Indelible Ink, against each Clause / Sub-Clause	Bidder to indicate the relevant Page No. of their Bid (for supporting Document,etc), corresponding to each clause.
<b>B.</b>	<b>REJECTION CRITERIA</b>		
<b>B.1</b>	<b>Technical Rejection Criteria</b> The following vital technical conditions should be strictly complied with failing which the bid will be rejected:		
<b>1</b>	Tender Requirement is for One Rig. Bidder may quote for any no. of rigs.  Bid should be complete covering all the Scope of Work laid down in tender document and should conform to the technical specifications indicated in the bid documents, duly supported with technical catalogues / literatures wherever required. Incomplete and non-conforming bids will be rejected outright.		
<b>2</b>	<b><u>Experience of Bidder</u></b>		
<b>2.1(a)</b>	The bidder should be a drilling contractor and should have drilling experience of minimum 3 years in the last 5 years (to be reckoned from the date of tender opening) on any type (Mobile/Type-I/Type-II/Type-III) of drilling rigs or on the type of drilling rig to be offered in this tender. During the last 5 years, the bidder should have drilled atleast one well of depth 2000m or more with 2 or 3 casing policy (13 3/8" inch, 9 5/8" inch, 5 1/2" inch). Such bidders shall provide other services through any of the short-listed agencies given in the tender document		

	<p>(Appendix 1 of BEC).</p> <p style="text-align: center;"><b>Or</b></p> <p>The Bidder should be an E&amp;P Company and should have drilling experience of minimum 3 years in the last 5 years (to be reckoned from the date of tender opening) of in-house drilling, Mud Services, Cementing Services capabilities and experience. The Bidder should have experience of drilling either on any type (Mobile/Type-I/Type-II/Type-III) of drilling rig or on the type of drilling rig to be offered in this tender. During the last 5 years, the bidder should have drilled atleast one well of depth 2000m or more with 2 or 3 casing policy (13 3/8" inch, 9 5/8" inch, 5 1/2 inch). Any services not available in house shall be provided by any of the short-listed agencies given in the tender document (Appendix 1 of BEC).</p> <p style="text-align: center;"><b>Or</b></p> <p>The bidder should be a service provider having minimum 3 years experience in the last 5 years (to be reckoned from the date of tender opening) in at-least one of the main services listed below and also experience of executing one contract for integrated drilling services involving project management, Mud Services and Cementing Services during the last five years: -</p> <ul style="list-style-type: none"> <li>a) Mud services and</li> <li>b) Cementing Services</li> <li>c) Mud Logging Services</li> <li>d) Wireline Logging Services</li> </ul> <p>Such bidders shall provide drilling services through a drilling contractor having minimum 3 years drilling experience in the last 5 years (to be reckoned from the date of tender opening) on the type of rig to be offered or on any type (Mobile/Type-I/Type-II/Type-III) of drilling rig and other service(s) through one of the <u>short-listed agencies</u> specified in the tender document (Appendix – 1 of BEC).</p> <p><b>Note :- A) The bidder has to submit the following documents to substantiate the required experience:-</b></p> <p><b>I. Copies of the contracts showing:</b></p> <ul style="list-style-type: none"> <li>a) Name of the operator with complete address.</li> <li>b) Duration (start and end) of contract</li> <li>c) Scope of work indicating the depth of wells drilled with casing details.</li> <li>d) Type of rig offered in the contract</li> </ul> <p><b>II. Documentary evidence in respect of satisfactory execution of the contracts in the form of copies of any of the following documents:</b></p>	
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	<p>a) Satisfactory completion / performance report. Or b) Proof of release of performance security bond after completion of the contract. Or c) Proof of settlement / release of final payment against the contract. Or d) Any other documentary evidence that can substantiate the satisfactory execution of the contracts cited above.</p> <p>III. Supporting documents as per above, in support of experience, to be duly notarized as per rule of country of bidder Or The documents to be authenticated by Indian Embassy / High Commission / Trade Consulates, located in the country of the bidder, indicating the following, for each supporting document submitted: -</p> <ul style="list-style-type: none"> <li>➤ Contract No(s)</li> <li>➤ Duration of Contract</li> <li>➤ Scope of work indicating the depth of wells drilled with casing details.</li> <li>➤ Type of Rig deployed</li> <li>➤ Name of Operator with their complete address, present telephone number, fax number &amp; e-mail address.</li> </ul> <p>B) An undertaking from the Bidder that “in case of documents / information provided by them proves to be incorrect or misleading, their offer shall be rejected by NCAOR and also NCAOR reserve the right to itself to put them on holiday”.</p>	
	<p>2.1(b) In case the bidder is an Indian company / Indian Joint venture company, either the Indian company/ Indian Joint venture company or joint venture partner should meet the criteria laid down at 2.1(a).</p> <p>2.1(c) In case the bidder is a 100% subsidiary company and do not meet the experience criteria on their own, then the parent company of such bidder should meet the experience criteria laid down at 2.1 (a).</p> <p>2.1(d) In case the bidder is a consortium of companies, the lead Partner of the consortium should satisfy the minimum experience requirement laid down at 2.1(a).</p> <p>2.2 Details of experience and past performance of the</p>	

	<p>bidder or of joint venture partner (in case of a joint venture) or Parent company (in case of subsidiary co.) or Leader of the Consortium (in case of Consortium bid) on works/ jobs done of similar nature in the past and details of current work-in-hand and other contractual commitments, indicating areas and clients are to be submitted along with documentary evidence in the techno-commercial bid, in support of the experience laid down at para 2.1(a) above.</p> <p>3.0 Bidders quoting based on Joint Venture, shall submit an original Memorandum of Understanding / Agreement, specific to this tender (<i>indicating the Tender No. &amp; Description</i>) with Joint Venture partner clearly indicating their roles under the Scope of Work, which shall also be addressed to NCAOR, and shall remain valid and binding for the contract period under this tender.</p> <p>Memorandum of Understanding / Agreement must contain the complete address, telephone number, fax number of the Joint Venture Partner &amp; E-mail Address of the person who has signed the MOU / Agreement.</p> <p>Power of attorney in respect of person signing the MOU/Agreement on behalf of Joint Venture Partner should also be submitted along with the MOU / Agreement.</p>		
	<p>4.0 <b><u>Consortium Bids:</u></b></p> <p>In case the bidder is a consortium of companies, the following requirement should be satisfied by the bidder:</p> <p>a) The leader of the consortium should satisfy the minimum experience requirement as per para 2.1(a) above.</p> <p>b) The leader of the consortium should confirm unconditional acceptance of full responsibility of executing the 'Scope of work' of this tender. This confirmation should be submitted along with the techno-commercial bid.</p> <p>c) All the members of the consortium must undertake in their MOU that each party shall be jointly and severally liable to NCAOR for any and all obligations and responsibilities arising out of this contract.</p>		
	<p>5.0 <b><u>Eligibility criteria in case bid is submitted on the basis of technical experience of the parent/subsidiary company and on the basis of experience of sister subsidiary/co-subsidiary company:</u></b></p> <p>5.1 <b><u>Eligibility criteria in case bid is submitted on the basis of technical experience of the parent / subsidiary company:</u></b></p>		

	<p>Offers of those bidders who themselves do not meet the technical experience criteria as stipulated in the BEC can also be considered provided the bidder is a subsidiary company of the parent company in which the parent company has 100% stake or parent company can also be considered on the strength of its 100% subsidiary. However, the parent/subsidiary company of the bidder should on its own meet the technical experience as stipulated in the BEC and should not rely for meeting the technical experience criteria on its sister subsidiary/co-subsidiary company or through any other arrangement like Technical collaboration agreement. In that case as the subsidiary company is dependent upon the technical experience of the parent company or vice-versa with a view to ensure commitment and involvement of the parent/subsidiary company for successful execution of the contract, the participating bidder should enclose an Agreement (as per format enclosed at Appendix-3 of BEC) between the parent and the subsidiary company or vice-versa and Parent/Subsidiary Guarantee (as per format enclosed at Appendix-4 of BEC) from the parent/subsidiary company to NCAOR for fulfilling the obligation under the Agreement, along with the techno-commercial bid.</p> <p><b>5.2 Eligibility criteria in case bid is submitted on the basis of technical experience of sister subsidiary / co-subsidiary company:</b></p> <p>Offers of those bidders who themselves do not meet the technical experience criteria stipulated in the BEC can also be considered based on the experience criteria of their Sister subsidiary/Co-subsidiary company within the ultimate parent/holding company subject to meeting of the following conditions:</p> <ol style="list-style-type: none"> <li>1) Provided that the sister subsidiary/co-subsidiary company and the bidding company are both 100% subsidiaries of an ultimate parent/holding company either directly or through intermediate 100% subsidiaries of the ultimate parent/holding company or through any other 100% subsidiary company within the ultimate/holding parent company. Documentary evidence to this effect to be submitted by the ultimate parent/holding company along with the techno-commercial bid.</li> <li>2) Provided that the sister subsidiary/co-subsidiary company on its own meets and not through any other</li> </ol>		
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	<p>arrangement like Technical collaboration agreement meets the technical experience criteria stipulated in the BEC.</p> <p>3) Provided that with a view to ensure commitment and involvement of the ultimate parent/holding company for successful execution of the contract, the participating bidder shall enclose an agreement (as per format enclosed at Appendix -5 of BEC) between them, their ultimate parent/holdingcompany and the sister subsidiary/co-subsidiary company.</p>		
	<p><b>6.0 Bidder's Equipment:</b></p> <p>6.1 The bidder shall offer serviceable / new drilling Rig fulfilling Scope of Work and conforming to the Technical Specifications laid down in the Bid Document. The complete details of the last contract taken up, last Operator and the period during which the Rig was last in operation shall be submitted with documentary evidence in the un-priced bid. Idling period of the Rig shall not be more than 3 years continuously on the date of submission of Bid.</p> <p>6.2 The Bidder shall confirm in the un-priced bid that the equipment of the offered Drilling Rig are in good working condition and shall furnish a Certificate from any one of the Third Party Inspection Agencies like, DNV, BV, Lloyds, Oil Field Audit Services Inc., and ABS bringing out the condition, status of the Drilling Rig &amp; the equipment (as per Appendix-2.A or Appendix-2.B of BEC, as the case may be) and confirmation to the effect that Residual Life of the Rig &amp; its Equipment are not less than five years as on the date of opening of un-priced bid. The Certificate from TPI Agency should not be more than six months old, as on the date of opening of technical bid.</p> <p>This however, shall not be applicable for bidders offering new and unused Drilling Rig and new and unused Equipment.</p>		
	<p><b>7.0 Age of the Rig &amp; Equipment:</b></p> <p>7.1 Bidders may refer current provisions of Import Export Policy for the import of second hand Rig &amp; equipment and quote accordingly.</p> <p>7.2 Offered Rig &amp; its Equipment should not be older than 15 years as on the date of opening of technical bids.</p> <p>Rigs older than 15 years may also be offered provided</p>		

	<p>their residual life is not less than 5 years as on the date of issue of TPI report, and following documents are submitted to ascertain the health of the Rig:</p> <p>a) <u>Third Party Inspection Report for Rig &amp; Equipments:</u>  The bidder shall submit conclusive inspection report - specific to each equipment as per Appendix-2.A of BEC of tender document mentioning the residual life of equipment from any of the TPI agencies such as ABS, BV, DNV, Lloyds, &amp; Oil Field Audit Services Inc..</p> <p>The TPI report should not be older than 6 months as on date of opening of tender.</p> <p>(b) <u>Refurbishment &amp; Up-gradation report for Rotating Equipment</u></p> <p>The bidder shall submit comprehensive details in respect of critical rotating equipments as per the format given at Appendix-2.B of BEC of tender document from any of the TPI agencies such as ABS, BV, DNV, Lloyds, &amp; Oil Field Audit Services Inc.</p> <p>The TPI report should not be older than 6 months as on date of opening of tender.</p> <p>In case last refurbishment / up-gradation date is older than 5 years as on date of issue of TPI report, in respect of any equipment in the format or present operational status is unsatisfactory, bid shall be rejected.</p> <p>7.3 <u>For New Equipment</u>  Bidders offering new equipment shall confirm that the item (s) / equipment (s) are new and unused and are meeting the technical specifications and should submit details as per Appendix-2 and Appendix-5 of Annexure-III. Wherever Makes are specified, bidder should quote those Makes only.</p>		
	<p>8.0 <b><u>Identification of Rig:</u></b></p> <p>8.1 Bidders shall identify the offered Rig in the un-priced bid along-with documentary proof confirming availability of the rig for this contract. However, Bidders will not be allowed to substitute the rig once offered by them in their bid during the period of bid validity.</p> <p>However, the bidder will have an option to change the identified rig at the time of extending the bid validity, on the request of NCAOR during tender processing, provided the substitute Rig meets tender requirements including but not limited to BEC clauses and such a bidder shall strictly adhere to the following steps,</p>		

	<p>subsequent to NCAOR seeking extension of bid validity:</p> <p>-</p> <ul style="list-style-type: none"> <li>(i) Reply within the cut-off date specified by NCAOR for indicating extension of bid validity and if bidder opts so, to indicate whether any originally offered Rig(s) is proposed to be substituted.</li> <li>(ii) To submit all details and documents including Third Party Inspection Report, within 15 days from the cut-off date specified for indicating extension of bid validity.</li> <li>(iii) Date of issue of Third Party Inspection Report of substitute Rig &amp; Equipment should not be older than 6 months reckoned from the date specified for submitting details and documents {i.e. the date at (ii) above}.</li> </ul> <p>8.2 Bidder can offer more than one rig against the requirement of rig giving complete technical details for evaluation. All the rigs would be techno-commercially evaluated. The bidder can mobilize any one of the rigs found techno-commercially acceptable by NCAOR but the name of the rig to be mobilized by the bidder, would have to be furnished by them within 15 days of placement of LOA.</p> <p>8.3 Bidder can also offer identified rigs but with the condition 'subject to availability'. Such bids shall be considered for techno-commercial evaluation. However, bidders have to confirm the availability of rig along-with valid original MOU 7 days prior to price bid opening, failing which their offer shall not be considered for price bid opening.</p> <p>8.4 In case bidder is the owner of the offered Rig, bidder himself shall certify availability of the Rig for this contract.</p> <p>8.5 Bidders offering a leased Rig or Rig proposed to be purchased shall submit in the un-priced bid original MOU/Agreement of lease/purchase concluded specifically for this tender with the owner of the Rig along-with documentary proof of ownership. The MOU/Agreement shall clearly state that the Rig (name of the rig) is not being offered by the owner to anybody else other than the bidder against NCAOR tender No..... The MOU/Agreement shall be kept valid through the validity of the bid. Successful bidder shall be required to keep it valid throughout the contract period.</p>		
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	<p>9.0 <b>Inspection:</b></p> <p>9.1 The Contractor shall deploy the Drilling Unit and other services, duly inspected by third party inspection agency and accepted by NCAOR, at the specified location nominated by NCAOR, within 120 days from the date of issue of letter of award. TPI shall be conducted at the Location.</p> <p>9.2 NCAOR will accept the Drilling Unit only after NCAOR nominated Third Party Inspection Agency confirms that the Drilling Unit is as per tender specifications and that the Drilling Unit has undergone regular repair / maintenance / overhauling as per required Industry practice.</p> <p><u>NCAOR nominated TPI Agency will be out of the following agencies: -</u>  <b>(a)</b> DNV <b>(b)</b> BV <b>(c)</b> Lloyds <b>(d)</b> ABS <b>(e)</b> Oilfield Audit Services Inc</p> <p>The Bidder has to carry-out the inspection of the drilling rig through any one of the TPI agencies mentioned above. The Inspection to be completed with in a period of 10 days and the cost of the inspection has to be borne by the Bidder.</p>		
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**COMMERCIAL BEC COMPLIANCE MATRIX**

<b>E-Tender No.</b> NCAOR/BGRL-KOYNA3km/01/2015 for Hiring of 01 No. of suitable drilling rig of adequate capacity to drill vertical pilot hole of 3000m with the maximum inclination not more than 3 degrees along with mud services, cementing services, METP services, mud logging, wireline logging in Koyna region, Maharashtra state: -	
Name & complete Address of Bidder:	Name & complete Address of Technical Collaborator / Joint Venture Partner / Parent Company <i>(to be indicated for each, as applicable)</i>
Phone No.:	Phone No.:
Fax No.:	Fax No.:
E-Mail:	E-Mail:
Legal Constitution & Date of Incorporation / Commencement of Business :	Legal Constitution & Date of Incorporation / Commencement of Business:

<b>B.</b>	<b><u>REJECTION CRITERIA</u></b>		
<b>B.2</b>	<b><u>COMMERCIAL REJECTION CRITERIA</u></b> The following vital commercial conditions should be strictly complied with failing which the bid will be rejected:-		
<b>1.0</b>	Bid along with all appendices and copies of documents should be submitted in two-bid system. The Techno-Commercial bid shall contain all details without indicating prices of the quoted items. The Price bid shall contain only the prices duly filled in strictly as per the price format.  Offers with techno commercial bid-containing prices shall be rejected outright.		
<b>2.0</b>	The offers of the bidders indicating / disclosing prices in techno commercial (un-priced bid) or at any stage before opening of price bid shall be straight away rejected.		
<b>3.0</b>	<b><u>Acceptance of Terms &amp; Conditions :</u></b> The bidder must confirm unconditional acceptance of General Conditions of Contract at Annexure II, and Instruction to Bidders at Annexure I.		

<b>4.0</b>	<b>Offers of following kinds will be rejected:</b>		
	a) Offers made without Bid Security/Bid Bond/Bank Guarantee along-with the offer (Refer clause 17 of Instruction to Bidders at Annexure I).		
	b) Offers made by Agents /Representatives of foreign principals.		
	c) Offers which do not confirm unconditional validity of the bid for 120 days from the date of opening of bid		
	d) Offers where prices are not firm during the entire duration of the contract and/or with any qualifications.		
	e) Offers which do not confirm to the mobilization period indicated in the bid.		
	f) Offers which do not confirm to the contract period indicated in the bid.		
	g) Offers not accompanied with a copy of valid registration certificate under Service Tax Rules or an undertaking for submission of copy of requisite service tax registration certificate along with the first invoice under the contract. (Not Applicable for Service providers from outside India, who do not have any fixed establishment or permanent address in India). Offers not accompanied with a declaration to the effect that the bidder do not have any fixed establishment or permanent address in India. (Applicable for Service providers from outside India, who do not have any fixed establishment or permanent address in India).		
	Offers not accompanied with a declaration to the effect that the bidder do not have any fixed establishment or permanent address in India. (Applicable for Service providers from outside India, who do not have any fixed establishment or permanent address in India).		
	(I) Offers not accompanied with a declaration that neither the bidders themselves, nor any of its allied concerns, partners or associates or directors or proprietors involved in any capacity, are currently serving any banning orders issued by NCAOR debarring them from carrying on business dealings with NCAOR.		
<b>5</b>	<b>Personnel And Corporate Taxes:</b>		
	Bidder shall bear, within the quoted rates, the		

	Personnel Tax as applicable in respect of their personnel and their sub-contractor's personnel, arising out of this contract. Bidder shall also bear, within the quoted rates, the Corporate Tax, as applicable, on the income arising out of this contract.		
6	Bidders must accept the following clauses of draft contract in toto:		
	a) Force Majeure Clause		
	b) Jurisdiction and Applicable Law		
	c) Termination Clauses		
	d) Safety and Labour Laws		
	e) Performance Bond		
	g) Liquidated Damages Clause		
	h) Inspection Clause		
7.0	<b><u>Financial Criteria for ascertaining Financial Capability of the Bidders:</u></b>		
	1. Turnover of Bidders: Average Turnover of Bidders in last three financial years should be INR 10,00,00,000 (Rupees Ten Crores Only) or USD 16,00,000 (US Dollar 1.6 Million). The Average turnover of the prospective bidder for the last three years ending 31 <sup>st</sup> March 2014 (i.e. April 2011 to March 2012, April 2012 to March 2013, April 2013 to March 2014) should be atleast INR 10,00,00,000 (Rupees Ten crores only) or USD 16,00,000 (US Dollar 1.6 Million). The audited financial statement consisting of balance sheet, trading, profit and loss account, and Audit report for last three years of 2011-2012, 2012 – 2013, 2013-2014 should be enclosed.		
	i) In case the bidder is a subsidiary company (should be a 100% subsidiary of the parent/ultimate parent/holding company) who doesnot meet financial criteria by itself and submits his bid based on the financial strength of his parent/ultimate parent/holding company, then following documents need to be submitted:		
a) Turnover of the parent/ultimate			

	parent/holding company should be INR 10, 00, 00,000 (Rupees Ten Crores Only) or USD 16, 00,000 (US Dollar 1.6 Million).		
	b) Corporate guarantee on parent/ultimate parent/holding company's, company's letter head signed by an authorized official undertaking that they would financially support their 100% subsidiary company or executing the project/job in case the same is awarded to them and		
	c) The bidder is a 100% subsidiary company of the parent/ultimate/holding parent company.		
	ii). The consortium partners should individually meet the turnover limit in proportion to the percentage of work to be performed by them respectively in terms of the limit of turnover specified in the tender. For this purpose, the bidder should indicate in the un-priced bid, the percentage of work to be performed by the respective consortium members. However, the financial capability of sub-contractors will not be taken into consideration.		
8.0	<p><b><u>Mobilization Period:</u></b> -</p> <p><b><u>Mobilization Period:</u></b> - Bidders are required to confirm that they will mobilize the Drilling Rig(s), duly inspected by Third Party Inspection Agency and accepted by NCAOR, and make it available at the specified location(s) within 120days from the date of Letter of Award.</p> <p>8.1 (i) Bidder should note that in case the successful bidder fails to mobilize and deploy the Drilling Unit along with crew and/or fails to commence operations within the period specified above, NCAOR shall have without prejudice to any other provision in the contract including sub clause (ii) below, the right to invoke the performance bond, forfeit the amount of performance bond and terminate the contract.</p> <p>If the Contractor is unable to mobilize / deploy the Drilling Rig and commence the operation within the period specified in sub-clause above, it may request NCAOR for</p>		

	<p>extension of the time with unconditionally agreeing for payment of Liquidated Damages. Upon receipt of such a request, NCAOR may, at its discretion, extend the period of mobilization and shall recover from the Contractor, as ascertained and agreed Liquidated Damages not by way of penalty, a sum equivalent to ½% of Contract Value for each week of delay or part thereof subject to a maximum of 10%. Operator shall have at any time but before Commencement Date, the right to terminate the Contract in the event Contractor fails to deploy the Drilling Unit at the drilling location within aforesaid period, without prejudice to any other clauses including LD Clause.</p> <p>LD will be calculated on the basis of Contract Value excluding duties and taxes, where such duties / taxes have been shown separately in the Contract.</p>		
9.0	<p><b>Mobilization Fee:</b> Bidder may quote mobilization fee not exceeding 1%(one percent) of the total contract value.</p>		
	<p><b>Notes:-</b> 1) Mobilization Fee includes Rig and all the equipment's required for services as per scope of work. 2) Mobilization Fee include Service tax 3) In case the Mobilization Fee quoted by a Bidder exceeds the limit specified above, the offer of such bidder will be considered with the maximum mobilization fee of one percent of the contract value for evaluation purpose.</p>		
10.0	<p><b>De-mobilization fee:</b> Bidder may quote de-mobilization fee not exceeding 1% (one percent) of the total contract value.</p> <p><b>Notes:-</b> 1) De-mobilization Fee includes Rig and all the equipment's required for services as per scope of work. 2) De-mobilization Fee include Service tax 3) In case the De-mobilization Fee quoted</p>		

	by a Bidder exceeds the limit specified above, the offer of such bidder will be considered with the maximum De-mobilization fee of one percent of the contract value for evaluation purpose.				
11.0	<p><b>Custom Duty:</b>  <b>NCAOR will not pay any custom duty over and above the quoted price for import of rig and equipment of rig/or equipment meant for other services. The custom duty is to be borne by the bidder.</b></p> <p>Bidders offering customs cleared Rig shall submit clear documentary evidence of its Customs clearance along-with Techno-commercial bid, and shall indemnify NCAOR from any incidence of Customs Duty leviable in future.</p>				
12.0	<p><b>Boarding &amp; Lodging of NCAOR Personnel:</b>  A provision for boarding &amp; lodging for 8 NCAOR personand / or its third party personnel at Rig Site shall be kept free of cost.</p>				
13.0	<p><b>Earnest Money/Bid Bond/Bid Security:</b>  The bidder shall furnish as part of his techno-commercial bid, Bid Security for the amount as indicated below as per details Clause No. 17 of Annexure-I ('Instructions to the Bidders') of tender document: -</p> <table border="1"> <tr> <td>Bid bond amount</td> </tr> <tr> <td>Rs 50,00,000 (Rupees Fifty Lakhs only) or USD 80,000 (US Dollar Eighty Thousand)</td> </tr> </table> <p>12.0 Indian agent is not permitted to represent more than one foreign bidder (Contractor) in this tender. In case an Indian agent represents more than one foreign bidder (Contractor) in the tender, then offers of such foreign bidders shall be rejected in that tender.</p>	Bid bond amount	Rs 50,00,000 (Rupees Fifty Lakhs only) or USD 80,000 (US Dollar Eighty Thousand)	-	
Bid bond amount					
Rs 50,00,000 (Rupees Fifty Lakhs only) or USD 80,000 (US Dollar Eighty Thousand)					
<b>C</b>	<b>Price Evaluation Criteria</b>				
<b>1.</b>	While evaluating the bids, the closing bills selling rates of exchange advised by the State Bank of India on the day of opening of price bid/revised price bid will be taken into account for conversion of foreign currency into Indian Rupees. Where the time lag between opening of price bid and final decision of arriving at the				

	L1 bidder (after evaluation of the price bid) exceeds three months, the bills selling rate of exchange advised by SBI on the day of final decision will be adopted for conversion of foreign currency into Indian Rupees.		
<b>D.</b>	<b>General :</b>		
<b>1.</b>	The BEC over-rides all other similar clauses operating anywhere in the Bid Documents.		
<b>2.</b>	The bidder is prohibited to offer any service / benefit of any manner to any employee of NCAOR and that the contractor may suffer summary termination of contract / disqualification in case of violation.		