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(A GOVT. OF INDIA ENTERPRISE)
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**AMENDMENT NO. 6 DATED 26.08.2025 TO TENDER NO. CDG9298P26
FOR 'HIRING OF SERVICES FOR DRILLING DIRECTIONAL WELLS WITH
RSS-SDMM+MWD-LWD+JAR INCLUDING MUD SERVICES ALONG WITH
PERSONNEL IN THE NORTHEASTERN STATES OF INDIA'.**

This amendment to Tender No. CDG9298P26 is issued to notify about the following:

- 1) Bid Evaluation Criteria stands replaced with Revised Bid Evaluation Criteria (Revised BEC) enclosed herewith vide **ENCLOSURE-A**.
- 2) The Price Bid Format stands replaced with Revised Price Bid Format (Revised Proforma-B) attached under 'Notes and Attachment' tab.
- 3) Amendments to few other tender clauses are stipulated vide **ENCLOSURE-B** enclosed herewith.
- 4) Responses to Pre-Bid queries are stipulated vide **ENCLOSURE-C** enclosed herewith.

All other Terms and Conditions of the Tender/Bid Document (Considering all previous Amendment/Corrigendum, if any) will remain unchanged.

Sd/-
(M. Sonowal)
Sr. Officer – Contracts (G)
For Chief General Manager – Contracts

REVISED BID EVALUATION CRITERIA (Revised BEC)

1.0 GENERAL CONFORMITY:

The bid shall conform generally to the full scope of work, specifications and terms & conditions given in this tender document. Bids shall be rejected in case material and services offered do not conform to the required parameters stipulated in the technical specifications. Notwithstanding the general conformity of the bid to the stipulated specifications, the following requirements will have to be particularly met by the Bidders without which the bid will be considered as non-responsive and rejected. All the documents related to BEC must be submitted along with the techno-commercial Bid.

Note: Bidders are advised not to take any exception/deviation to the Bid Documents. Exceptions/Deviations, if any, should be brought out during the **Pre-Bid Conference** as scheduled against this Tender. After processing such suggestions, Company may communicate the changes, if any, through an addendum to the tender document. Still, if any exceptions/deviations are maintained in the bid, such conditional/nonconforming bids shall not be considered, but shall be rejected.

2.0 TECHNICAL EVALUATION CRITERIA:

2.1 SCOPE OF WORK:

The Bidder shall confirm to provide all the following services:

- (i) One set of Rotary Steerable System + SDMM + Directional Gamma tools + Jar for 17 ½” hole section along with MWD surface Unit.
- (ii) One set of Rotary Steerable System + SDMM + Directional Gamma tools + Jar + APWD tool for 12¼” hole section along with MWD/LWD surface Unit. However, one set of resistivity, neutron-azimuthal Density with imaging and calliper tool for 12¼” hole section will be on call out basis.
- (iii) One set of Rotary Steerable System + SDMM + Directional Gamma tools + Jar for 8½” hole section along with MWD/LWD surface Unit along with One set of resistivity, neutron-azimuthal Density with imaging and calliper & APWD for 8.1/2” hole section. However, one set of Formation Pressure while Drilling for 8.1/2” hole section *will be on call out basis.*
- (iv) One set of Rotary Steerable System + SDMM + Directional Gamma tools + Jar for 6” hole section along with MWD/LWD surface Unit along with One set of resistivity, neutron-azimuthal Density with imaging and calliper & APWD for 6” hole section. However, one set of Formation Pressure while Drilling for 6” hole section *will be on call out basis.*
- (v) Mud Engineering Service

Notes:

- (a) In case the bidder does not have all the services of their own, they can have pre-tender tie-up only for the Mud Engineering Service & Jar. However, the prime bidder has to have the Directional Drilling services of their own.
- (b) In case of pre-tender tie-up, the bidder should execute a legally enforceable MOU/ Agreement valid for entire duration of the contract including extension, if any. Copies of the pre-tender tie-up for each third-party service mentioned under Note (a) above, should be furnished along with the Technical Bid clearly referring to OIL's tender document number & indicating the scope of work for technical partner of the bidder. Notwithstanding the MOU, bidder shall clearly undertake the single point responsibility of completing the project as offered by the bidder.

2.2 EXPERIENCE CRITERIA:

The following minimum criteria should be met by the Bidder failing which their bid/offer will be rejected:

- (A) Bidder should be a Directional Drilling and Logging While Drilling Service Provider Company engaged in providing Rotary Steerable System (RSS) integrated with collar based MWD & LWD tools to E & P Company (Companies involved in Exploration & Production of Oil & Gas) since last 10 (ten) years to be reckoned from the original bid closing date. Bidder should have experience of successfully completing atleast 01(One) Contract of minimum 01(One) year duration using RSS with MWD/LWD tools in last 10 (ten) years reckoned from the original bid closing date.
- (B) The bidder should have also successfully completed minimum 6 (Six) directional wells using RSS - MWD/LWD tools in combination in any E&P company (company involved in exploration & production of Oil & Gas) in the last 10 (ten) years reckoned from the original bid closing date. Each well should have a minimum drift displacement of 2000 m.
- (C) The bidder or its tie-up partner (as per Note (a) of Clause No. 2.1 above) should have experience of providing Mud engineering services to any E&P Company (Company involved in Exploration & Production of Oil & Gas) for minimum 02(Two) years under a single contract and additionally should have completed Mud engineering service in at least 03(Three) wells of minimum 3000m depth in the last 10(ten) years reckoned from the original bid closing date.

2.2.1 Bidder must submit necessary documentary evidence as noted below in support of the experience criteria under the Clause No. 2.2 above:

- (a) Towards compliance to Clause No. 2.2 (A) above: Documentary evidence(s) in the form of relevant pages of the contract(s) executed

showing detailed address(es) of client(s), scope of work along with completion certificate(s)/payment certificate(s) or any other document(s) issued/certified by the client(s) which substantiate the 10 (ten) years experience and also completion of at least 01(One) Contract for a minimum period of 01 (One) year of drilling Directional Wells using RSS along with MWD/LWD. The same should also be submitted as per **Annexure-AA**.

- (b) Towards compliance to Clause No. 2.2 (B) above: Documentary evidence(s) in the form relevant pages of the contract(s) executed showing detailed address(es) of client(s), scope of work/end of well report(s)/well completion report(s)/directional survey reports/completion certificate(s) or any other document(s) issued/certified by the client(s) in support of the successful completion of the 06 (Six) nos. of High-Displacement Directional Wells of minimum drift displacement of 2000 m. The same should also be submitted as per **Annexure-BB**.
- (c) Towards compliance to Clause No. 2.2 (C) above: Documentary evidence(s) in the form of relevant pages of the contract(s) executed showing detailed address(es) of client(s), scope of work along with completion certificate(s)/payment certificate(s) or any other document(s) issued/certified by the client(s) which substantiate the completion of at least 01(One) Contract of Mud Engineering Service for a minimum duration of 02 (Two) years to any E & P Company. For 03(Three) wells of minimum depth of 3000m, bidder has to submit the DMR of the particular wells.
- (d) Bidder can also provide self-certified documents duly signed by the authorized signatory of the bid/CEO of the firm confirming execution of required number of High Displacement directional wells with drift displacement of minimum 2000 meters, clearly indicating Contract no., well name and operator's details. However, for Mud engineering Service, the declaration has to be signed by the authorized signatories of the bid/CEO of both the partners of the bid confirming execution of Mud service in 03(Three) wells of minimum 3000m or more.

NOTES:

- (i) In case requisite experience is against OIL's Contract, bidder shall only require to categorically specify OIL's Contract Number and date.
- (ii) Only Letter of Intent (LOI)/Letter of Award (LOA) or Work Order(s)/Client's Feedback Form are not acceptable as evidence of experience.
- (iii) Mere award of contract(s) will not be counted towards experience. Successful completion of the awarded contract(s) to the extent of the parameter(s), as stipulated under Clause No. 2.2 will only be treated as acceptable experience.

- (iv) Work executed through 'sub-contracting' shall not be considered for evaluation.
- (v) Work executed by a bidder for its own organization/parent subsidiary/co-subsidiary/sister-subsidiary/Joint Venture cannot be considered as experience for the purpose of meeting BEC.
- (vi) Bid will be rejected if not accompanied with adequate documentary proof in support of Work experience as mentioned in Clause 2.2 (A), (B) & (C) above.
- (vii) If the prospective bidder is executing a contract as per Clause No. 2.2 of BEC which is still running and quantity of the jobs executed prior to original bid closing date is equal to or more than the minimum prescribed numbers of jobs as mentioned in Clause 2.2 of BEC, such experience shall qualify for evaluation.
- (viii) Oil India Limited (OIL) reserves the right to contact the Client(s) referred by the Bidder for authentication of the documents submitted by the bidder. OIL may contact the clients/operators under intimation/copy to the respective bidder. OIL will not be responsible for Client(s) not conforming or not replying to OIL's request for information. If OIL does not get an affirmative response within the stipulated time, then such Bidder's technical bid will be considered as non-responsive. It will be the responsibility of the Bidder to take up the matter with his client(s) and arrange for the confirmation as desired by OIL.

2.2.2 Bidders who themselves do not meet the experience criteria as stipulated in Clause No. 2.2 above, can also bid under the categories as listed below:

(I) Eligibility criteria in case bids are submitted based on technical experience of Parent/Subsidiary Company:

Offers of those bidders who themselves do not meet the experience criteria as stipulated in clause no. 2.2 above can also be considered provided the bidder is a subsidiary company of the parent company [supporting company, which holds more than fifty percent of the paid-up equity share capital of the bidder] who fulfils the experience criteria. Similarly, bid from parent company can also be considered on the strength of requisite experience of its subsidiary [supporting company, in which the bidder holds more than fifty percent of the paid-up equity share capital]. However, the parent/subsidiary company (as the case may be) of the bidder should on its own meet the experience as stipulated in the BEC and should not rely for meeting the experience criteria on its sister subsidiary/co-subsidiary company or through any other arrangement like Technical Collaboration agreement etc.

In case of bidder who is a subsidiary company dependent upon the experience of the parent company or vice-versa with a view to ensure

commitment and involvement of the parent/subsidiary company (Supporting Company) for successful execution of the contract, the participating bidder should enclose a Parent/Subsidiary Agreement (as per **Annexure-A**) and also a parent/subsidiary Guarantee (as per **Annexure-B**) to OIL for fulfilling the obligation under the Agreement, along with the technical bid.

(II) Eligibility criteria in case bid is submitted based on technical experience of Sister-subsiary/Co-subsiary Company:

Offers of those bidders who themselves do not meet the experience criteria as stipulated in Clause No. 2.2 above can also be considered based on the experience of their sister-subsiary/co-subsiary company (Supporting Company) within the ultimate parent/holding company subject to meeting the following conditions:

- (i) Provided that the sister-subsiary/co-subsiary company and the bidding company are both wholly owned subsidiaries of an ultimate parent/holding company either directly or through intermediate wholly owned subsidiaries of the ultimate parent/holding company or through any other wholly owned subsidiary company within the ultimate/holding parent company. Documentary evidence to this effect to be submitted by the ultimate parent/holding company along with the technical bid.
- (ii) Provided that the sister subsidiary/co-subsiary company on its own meets the experience criteria stipulated in the BEC and not through any other arrangement like Technical Collaboration agreement etc.
- (iii) Provided that with a view to ensure commitment and involvement of the ultimate parent/holding company for successful execution of the contract, the participating bidder must submit an agreement, as per format furnished vide **Annexure-C**, between them and their ultimate parent/holding company, along with the technical bid.

Notes to Para 2.2.2(I) & 2.2.2(II) above: In the situations mentioned in Paras No. (I) and (II) above, the supporting company shall not be allowed to submit their separate/independent bid against this tender. In such case, all such bids shall be rejected. Also, bids having technical support from the same entity shall be rejected. Further, bidders shall submit/comply the following:

- (a) Undertaking by the Supporting Company to provide an additional Performance Security (as per **Annexure-F**), equivalent to 50% of the value of the Performance Security which is to be submitted by the bidding company in case the bidding company is the successful bidder.
- (b) In cases where the Supporting Company do not have Permanent Establishment in India, the bidding company can furnish this additional Performance Security on behalf of the supporting company in addition to their own Performance Security as per tender. In such case, bidding company shall furnish an undertaking that their foreign based supporting company / ultimate parent company is not having

any Permanent Establishment in India in terms of Income Tax Act of India.

- (c) Undertaking from the supporting company to the effect that in addition to invoking the Performance Security submitted by the Contractor, the additional Performance Security provided by the supporting company shall be invoked by OIL due to non-performance of the Contractor.
- (d) A certificate from the Statutory Auditor of the bidding company to establish the relationship and equity percentage holding between bidding company and the supporting company. The certificate should be duly concurred/endorsed by the Company Secretary or one of the Directors of the company concerned.

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

(III) Bid from Joint Venture Company:

- (i) In case the bidder is Joint Venture Company, they must be registered in India and incorporated under the Companies Act 1956/Companies Act 2013/ Limited Liability Partnership Act 2008 and any amendment thereunder. They should meet the technical qualification requirements as under:
 - A. The JV on its own shall meet the experience criteria as per Clause No. 2.2.
 - or
 - B. Any member of the JV having a stake of at least 26% in the JV, on its own shall meet experience requirement as per Clause No. 2.2.

Notes:

- a) In case of (B) above, an undertaking from the Joint Venture partner, based on whose experience the JV seek qualification, shall be submitted with the techno commercial bid stating that they shall maintain minimum 26% shareholding in the JV till the execution of the contract.
- b) Experience of the JV or its member (as the case may be) relying on the experience of its supporting company/subsidiary/co-subsidiary/ sister-subsidiary/ parent/ holding/ affiliating/ associate company or through any other arrangement like technical collaborator for meeting the technical criteria shall not be considered for evaluation.
- c) Documents showing the existing shareholdings of the JV Partners must be submitted along with the bid.

- (ii) **Constitution of Joint Venture:** The members of the JV should not be more than three. If after submission of bid, a JV leader effects any alterations/changes in the constitution or replacement or inclusion or expulsion of any partner(s)/member(s) of the Joint Venture which had originally submitted the bid, the bid of such a JV shall be liable for rejection.
- (iii) Indian bidders whose proposal for Joint Venture involves foreign equity participation or payment of royalty and / or lump sum for technical know-how and wherever Govt. approval is necessary, **are required to submit their application submitted to SIA/RBI along with the bid** and copy of Govt. approval prior to the date of price bid opening. Confirmation to this effect and declaration on the same should be provided as part of their technical offer.
- (iv) Members of the JV are not allowed to quote separately/independently/or through any other arrangement like part of any other 'JV/Subsidiary/ Parent company/Sister-subsidiary/Co-subsidiary' against this tender. All the bids received in such a case shall be summarily rejected. Further, all bids from parties with technical support from the same Principal shall be rejected.

(IV) Bid from Consortium of Companies:

In case the Bidder is a Consortium of Companies, the following requirement should be complied by the consortium:

- (i) Any member of the consortium on its own shall satisfy the minimum experience requirement as per Clause No. 2.2 above and shall not rely on its consortium partners, subsidiary/parent company/co-subsidiary or through any other arrangement like Technical Collaboration agreement for meeting the experience criteria.
- (ii) Consortium bids shall be submitted with a Memorandum of Understanding (MoU) among the consortium members duly executed by the Authorized Executives of the consortium members and notarized. This MoU must accompany the bid. The MoU must state that the Consortium Member on whose experience/strength the Consortium is bidding, is bound to execute the full part of the contract which falls under/related to the experience submitted by them against Clause No. 2.2 of BEC above. Moreover, the MoU must clearly define the role/scope of work of each partner/member and should clearly define the leader of consortium. Memorandum of Understanding (MOU) must also state that all the members of consortium shall be jointly and severally responsible for discharging all obligations under the contract. However, the leader of the consortium must submit an undertaking along with the technical bid towards unconditional acceptance of full responsibility for executing the 'scope of work' of this bid document. In case of award, such MOU shall be kept valid through the entire contract period, including extensions, if any.

- (iii) Only the Leader of the consortium should register against the tender in e-Tender portal and submit bid on behalf of the Consortium. The other members of the Consortium shall ratify all the acts and decisions of the Leader of Consortium, which are taken in connection with and/or during the evaluation of the tender and execution of the contract.
- (iv) The Bid Security shall be in the name of the Leader of the consortium on behalf of consortium with specific reference to consortium bid and with name(s) & address(es) of Consortium members. Similarly, the Performance Security shall be in the name of the Leader on behalf of the Consortium.
- (v) The leader of the consortium on behalf of the consortium shall coordinate with OIL during the period the bid is under evaluation as well as during the execution of works in the event contract is awarded and he shall also be responsible for resolving dispute/ misunderstanding/ undefined activities, if any, amongst all the consortium members. If the leader of the consortium changes during execution of the contract (if awarded), the contract shall be liable for termination.
- (vi) Any correspondence exchanged with the leader of consortium shall be binding on all the consortium members.
- (vii) Payment shall be made by OIL only to the leader of the consortium towards fulfilment of contract obligations.
- (viii) In case of consortium bids, the bid shall be signed/digitally signed in line with tender stipulation 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.
- (ix) Documents/details submitted with the bid pertaining to qualification of the bidder must be furnished by each partner/ member of consortium and should be complete in all respects clearly bringing up their experience especially in the form of work in their scope.
- (x) The leader of the consortium must confirm unconditional acceptance of full responsibility of executing the “Scope of Work” of this tender. This confirmation must be submitted along with the technical bid.
- (xi) **Constitution of Consortium**: The members of the consortium should not be more than 03 (Three). If during evaluation of bid, a consortium leader proposes any alterations/changes in the constitution or replacement or inclusion or expulsion of any partner(s)/member(s) of the consortium which had originally submitted the bid, 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. Similarly, under such a situation the contract shall be liable for termination, if already awarded.

- (xii) **Signing of Contract:** In the event of award of contract to the consortium, the contract to be signed by all the members of the consortium and the liability of each one of them shall be jointly and severally.
- (xiii) Members of the consortium are not allowed to quote separately/ independently/or through any other arrangement like part of any other JV/Consortium against this tender. All the bids received in such case shall be summarily rejected. Further, all bids from parties with technical support from the same Principal shall be rejected.
- (xiv) Certified copies (attested by Director/Company Secretary/Authorised Signatory) of Board resolutions/Partnership resolutions passed by respective Board of Directors of the companies/Partners of the LLP agreeing to enter into such consortium with each other for submission of bid for the NIT and also authorizing designated executives of each company/LLP to sign the MOU, to be provided along with the technical bid.
- (xv) The MOU/Agreement should be legally valid i.e. it should be on a non-judicial stamp paper and notarized. In case of involvement of overseas bidder/consortium partner, the MOU/Agreement need not be on a non-judicial stamp paper, however it should be notarized.

2.2.3 Bidders quoting on the technical strength of Parent/Subsidiary/Sister-Subsidiary/Consortium member/Joint Venture partner Company's experience (who qualifies the technical requirement as per the tender qualifying criteria) should provide the respective services from the identified party (Supporting Company) on whose strength the bidder meets the qualifying criteria including key personnel for a minimum duration of 50% of the initial Contract period during execution of the contract. Declarations in this regard from the bidder as well as the Supporting Company are required to be submitted along with the un-priced techno-commercial bid as per format vide **Annexure-G**.

2.3 MOBILIZATION PERIOD:

Bidder has to confirm mobilization of all the 4 (Four) sets of tools, equipment and personnel within 120 (One Hundred Twenty) days from date of issue of the 1st mobilization notice. However, OIL reserves the right to mobilize each of the sets in a phased manner and in that case separate mobilization notice will be issued. Offers indicating mobilization time more than 120 days from the date of issuance of mobilization notice for the set of tool(s) will be rejected.

For Mud Engineering Services, Bidder has to confirm mobilization of Mud Engineering services along with personnel within 120 (One Hundred Twenty) days from date of issue of the 1st mobilization notice.

In case of call out tools, mobilization notice with 75 (Seventy-Five) days' time will be issued.

3.0 FINANCIAL EVALUATION CRITERIA:

3.1 Annual Financial Turnover from Operations of the Bidder during any of the last three (03) completed financial/accounting years preceding the **Original Bid Closing date** must be at least **INR 46,22,42,000.00 or US\$ 5,355,000.00**

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

3.2 The **Net Worth** of the bidder must be **positive** for the financial/accounting year preceding the original bid closing date.

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

3.3 In case the bidder is a subsidiary company (should be a wholly owned subsidiary of the parent/ultimate parent/holding company) who does not meet financial criteria by itself and submits bid based on the financial strength of its parent/ultimate parent/holding company (supporting company), then documents need to be submitted along with the technical bid in support of the following:

- (i) The parent/ ultimate parent / holding company (supporting company) should meet the Financial Evaluation Criteria stipulated in Clause Nos. 3.1 & 3.2 above.
- (ii) **Corporate Guarantee (Annexure-D)** on parent/ultimate parent/ holding company's (supporting company) letter head signed by an authorized official undertaking that they would financially support their subsidiary company for executing the project/job in case the same is awarded to them.
- (iii) A certificate from the Statutory Auditor of the bidding company to establish the relationship and equity percentage holding between bidding company and the supporting company. The certificate should be duly concurred/endorsed by the Company Secretary or one of the Directors of the company concerned.

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

3.4 If the Bidder is an Incorporated Joint Venture (JV) and does not meet financial criteria (BEC Clause Nos. **3.1 & 3.2**) by itself, it can submit the bid based on the financial strength of its JV member having more than 50% stake in the JV and the following needs to be complied/submitted:

- (i) The member having more than 50% stake in the JV should meet the Financial Evaluation Criteria stipulated in Clause Nos. **3.1 & 3.2** above.
- (ii) **Corporate Guarantee (Annexure-E)** on the letter head of the member having more than 50% stake in the JV signed by an authorized official undertaking that they would financially support their JV for executing the project / job in case the same is awarded to them.
- (iii) A certificate from the statutory Auditor of the JV on the shareholding pattern of the JV. The certificate should be duly concurred/ endorsed by the Company Secretary or one of the Directors of the company concerned or Managing/Authorised partner of the LLP.

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

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

3.5 In case of bid from Consortium of Companies, any one of the consortium members shall have an annual financial turnover from operation of minimum **INR 46,22,42,000.00 or US\$ 5,355,000.00** and other members of the consortium shall have an annual financial turnover from operation of minimum **INR 23,11,21,000.00 or US\$ 2,677,500.00**, during any of the preceding 03 (Three) financial/accounting years reckoned from the original bid closing date. Net worth of all the members must be Positive for the financial/accounting year preceding the original bid closing date.

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

3.6 **Notes to Financial Evaluation Criteria:**

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

the bid:

(i) A certificate issued by a practicing Chartered/ Cost Accountant (with Membership Number and Firm Registration Number), certifying the Annual Turnover & Net worth as per format prescribed in **Proforma-L**.

OR

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

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

- b.** Considering the time required for preparation of Financial Statements, if the last date of preceding financial/accounting year falls within the preceding six months reckoned from the original bid closing date/within the due date for furnishing of audit report as per Section 139(1) of IT Act, 1961 (read along with latest circulars/notifications issued by CBDT from time to time) and the Financial Statements of the preceding financial/accounting year are not available with the bidder, then the Net worth of the previous financial/ accounting year excluding the preceding financial/accounting year will be considered. However, the bidder has to submit an undertaking in support of the same along with their technical bid as per **Proforma-K**.
- c.** In case the bidder is a Central Govt. Organization/PSU/State Govt. Organization/Semi-State Govt. Organization or any other Central/State Govt. Undertaking, where the auditor is appointed only after the approval of Comptroller and Auditor General of India and the Central Government, their certificates may be accepted even though FRN is not available. However, bidder to provide documentary evidence for the same.
- d.** In case the Audited Balance sheet and Profit Loss Account submitted along with the bid are in currencies other than INR or US\$, the bidder

shall have to convert the figures in equivalent INR or US\$ considering the prevailing conversion rate on the date on which the Audited Balance Sheet and Profit & Loss Account is signed. A CA Certificate (with Valid UDIN) is to be submitted by the bidder regarding converted figures in equivalent INR or US\$. Else, the Audited Balance Sheet and Profit & Loss Account shall be evaluated by considering the BC selling rate declared by State Bank of India (on the date on which the Audited Balance Sheet and Profit & Loss Account is signed) for conversion to INR.

4.0 COMMERCIAL EVALUATION CRITERIA:

- 4.1** The bids are to be submitted under Single Stage – Two Bid System i.e. Un-priced Techno-Commercial Bid and Price Bid separately in their respective fields in E-portal. The unpriced Techno-commercial Bid is to be uploaded in “Technical RFX Response” Tab and Priced Bid is to be uploaded in the “Notes & Attachments” Tab. Only the Priced Bid as per **Proforma-B** uploaded in the “Notes & Attachments” Tab should contain the quoted price. Bids shall be rejected outright if the price(s) is/are indicated in the technical bids. Bids not conforming to this two-bid system shall be rejected outright.
- 4.2** Bidder shall offer firm prices. The price quoted by the successful bidder must remain firm during the performance of the contract and not subject to variation on any account except as mentioned in the bid document (if any).
- 4.3** Bid security in Original shall be furnished as a part of the Techno Commercial Un-Priced Bid. The amount & validity of bid security should be as specified in the **Forwarding Letter**. Any bid not accompanied by a proper bid security will be rejected.
- 4.4** Bid Documents/User ID & Password for OIL’s E-Tender portal are not transferable. Bid can only be submitted in the name of the bidder in whose name the User ID and Password have been issued. Unsolicited bids will not be considered and will be straightway rejected.
- 4.5** Bids received through the e-procurement portal shall only be accepted. Any bid received in any other form will not be accepted.
- 4.6** Bids shall be typed or written in indelible ink. The Bids and all uploaded documents must be digitally signed using “Class 3” digital certificate [e-commerce application (Certificate with personal verification and Organization name)] as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India [except copies of the documents required in physical form] should invariably be submitted in the ‘Technical Attachment Tab’ through OIL’s e-bidding portal, before the

scheduled date and time for the tender closing. All the documents uploaded shall be digitally signed by the authorized signatory of the bidder.

- 4.7** Bid documents shall contain no interlineations, white fluid, erasures or overwriting except as necessary to correct errors made by bidder, in which case such corrections shall be initialed by the person or persons who has/have digitally signed the Bid.
- 4.8** Any bid containing false statement will be rejected and action will be taken by Company as per Bid Document.
- 4.9** Bidders must quote clearly and strictly in accordance with the price schedule outlined in **Price Bidding Format** attached under “Notes and Attachments” tab in the main bidding engine of OIL’s E-Tender portal; otherwise, the bid will be rejected. All other techno-commercial documents other than price details to be submitted with Unpriced Techno-Commercial Bid as per tender requirement under “Technical Attachment” Tab Page only.
- 4.10** Bidder must accept and comply with the following provisions as given in the Tender Document in toto, failing which offer will be rejected:
- (i) Firm price
 - (ii) Bid Security/EMD
 - (iii) Period of validity of Bid
 - (iv) Price Schedule
 - (v) Performance Bank Guarantee / Security deposit
 - (vi) Mobilization Schedule
 - (vii) Scope of work
 - (viii) Guarantee of material / work
 - (ix) Liquidated Damages clause
 - (x) Tax liabilities
 - (xi) Arbitration / Resolution of Dispute Clause
 - (xii) Force Majeure
 - (xiii) Applicable Laws
 - (xiv) Specifications
 - (xv) Integrity Pact
- 4.11** There should not be any indication of price in the Un-priced Techno-Commercial Bid. A bid will be straightway rejected if this is given in the Un-priced Techno-Commercial Bid.
- 4.12** Bid received with validity of offer less than **120 (one hundred twenty) days** from Bid Opening Date will be rejected.
- 4.13** The Integrity Pact is applicable against this tender. OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide **“Proforma-M: Integrity Pact”** the tender document. This Integrity Pact proforma has been duly signed digitally by OIL’s competent signatory. The proforma has to be returned by the bidder (along with the Un-priced

Techno-Commercial Bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid. If any bidder refuses to sign Integrity Pact or declines to submit the Integrity Pact, their bid will be rejected.

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

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

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

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

5.0 PRICE EVALUATION CRITERIA:

The bids conforming to the technical specifications, terms and conditions stipulated in the bidding document and considered to be responsive after

subjecting to Evaluation Criteria mentioned above will be considered for Price Evaluation as per criteria given below:

- 5.1** Bidders are required to quote for all the items as per **Proforma-B (Price Bid Format)**, otherwise the offer of the bidder will be straightway rejected.
- 5.2** If there is any discrepancy between the unit price and the total price, the unit price will prevail and the total price shall be corrected. Similarly, if there is any discrepancy between words and figure, the amounts in words shall prevail and will be adopted for evaluation.
- 5.3** The quantities shown against each item in the “Price Bid Format” shall be considered for the purpose of Bid Evaluation. It is, however, to be clearly understood that the assumptions made in respect of the quantities for various operations are only for the purpose of evaluation of the bid and the Contractor will be paid on the basis of the actual number of days/parameters, as the case may be.
- 5.4** The bidders are advised not to offer any discount/rebate separately and to offer their prices in the Price Bid Format after considering discount/rebate, if any.
- 5.5** Conditional and unsolicited discount will not be considered in evaluation. However, if such bidder happens to be the lowest recommended bidder, unsolicited discount without any condition will be considered for computing the contract price.
- 5.6** In case of identical overall lowest offered rate by more than 1(one) bidder, selection will be made by draw of lots between the parties offering the same overall lowest price.
- 5.7** Price Bids shall be evaluated on overall lowest cost to OIL (L-1 offer) basis i.e. considering total quoted price for all services including quoted GST.
- 5.8** While evaluating the bids, the closing rate (B.C. Selling Rate) of exchange declared by State Bank of India on the day prior to price bid opening will be taken into account for conversion of foreign currency into Indian Rupees.
- 5.9** OIL will prefer to deal with registered bidder under GST. Therefore, bidders are requested to get themselves registered under GST, if not registered yet. However, in case any unregistered bidder is submitting their bid, their prices will be loaded with applicable GST while evaluation of bid.
- 5.10** Price Bid uploaded without giving any of the details of the taxes (Including rates and amounts) will be considered as inclusive of all taxes including GST. When a bidder mentions taxes as extra without specifying the rates & amount, the offer will be loaded with maximum value towards taxes

received against the tender for comparison purposes. If the bidder emerges as lowest bidder after such loading, in the event of award/order on that bidder, taxes mentioned by OIL on the Purchase Order/Contracts will be binding on the bidder.

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

5.12 **CUSTOMS DUTY:** In terms of Sl. No. 404 of the Customs Notification No.50/2017-Cus dated 30.06.2017 (including amendments thereof), imports of the items specified in List 33 of the Notification are subject to levy of concessional rate of customs duty subject to conditions specified therein.

Similarly, the domestic supply of such goods would attract concessional GST on submission of EC in terms of Gazette Notification No. No. 3/2017-Central Tax (Rate) dated 28.06.2017 (and as amended from time to time).

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

Similarly, the items other than those appearing in List-33 of the said gazette notification, if to be imported by the Contractor for the purpose of execution of contract against this tender, the same shall be considered as duty payable on merit basis and the applicable customs duty thereof must be included by the bidder in their respective bid value. OIL will not issue any Undertaking/Certificate towards customs duty concession/exemption for those items (not included in List-33 of Notification) and the duty payable on merit shall be borne by the Contractor. However, any other item if subsequently notified by the competent authority to be Duty free/concessional during the tenure of the contract, OIL will issue requisite

Certificate/Undertaking for Contractor to avail the Customs Duty benefit and the duty benefit must be passed on to OIL. Additionally, for all those items against which the bidder considers the Customs Duty on merit, the list specifying the Customs Duty Rate (percentage) may be furnished, so that subsequent increase/decrease in Customs Duty, if any shall be reimbursed/recovered by OIL as the case may be on documentary evidence.

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

6.0 GENERAL NOTES:

- 6.1** In case bidder takes exception to any clause of bidding document not covered under BEC, then the Company has the discretion to load or reject the offer on account of such exception if the bidder does not withdraw/modify the deviation when/as advised by company. The loading so done by the company will be final and binding on the bidders. No deviation will however be accepted in the clauses covered under BEC.
- 6.2** To ascertain the substantial responsiveness of the bid, the Company reserves the right to ask the bidder for clarification in respect of clauses covered under BEC also and such clarifications fulfilling the BEC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be liable for rejection. Since pre-bid meeting is provisioned in this tender, Company is not obligated to seek any post-bid clarification. However, clarifications if decided to be sought at the option of Company, the same shall be limited to the original submissions only and no independent fresh submission shall be called for/permitted. However, mere submission of such clarification shall not make the offer responsive, unless company is satisfied with the substantial responsiveness of the offer.
- 6.3** If any of the clauses in the BEC contradict with other clauses of tender document elsewhere, then the clauses in the BEC shall prevail.
- 6.4** Bidder(s) must note that requisite information(s)/financial values etc. as required in the BEC & Tender are clearly understandable from the supporting documents submitted by the Bidder(s); otherwise, Bids shall be rejected.
- 6.5** The originals of such documents [furnished by bidder(s)] shall have to be produced by bidder(s) to OIL as and when asked for.

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

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

7.0 PURCHASE PREFERENCE CLAUSE:

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

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

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

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

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

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

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

Notes:

- a. The services required under the tender are not splittable.
- b. The 'Total Price' shall be matched with that of the L1 bidder by reducing the differential rates proportionately or otherwise against the line items where their rates/prices are found to be higher than that of the L1 bidder.

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

8.1 Oil India Limited (OIL) has engaged the following 17 (Seventeen) Independent Inspection Agencies for a period of 04 (four) years with effect from 07.06.2024 to verify and certify various documents required against BEC of the tender:

Sl. No.	Name of Independent Inspection Agency	Contact E-mail ID
i.	M/s. Dr. Amin Controllers Pvt. Ltd.	a. rkjain@rcaindia.net b. Pradeep.mathur@rcaindia.net c. info@rcaindia.net
ii.	M/s. TUV India Private Limited	a. noida@tuv-nord.com b. mumbai@tuv-nord.com c. salim@tuv-nord.com

ENCLOSURE-A

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

8.2 The Bidders have to get verified and certified the various documents required against BEC of the tender by any one of the above Independent Inspection Agencies and submit the duly certified Inspection Certificate by

the Inspection Agencies along with the Technical Bid of the Tender. All Charges of the Third-Party Independent Inspection Agencies towards verification of bidder's documents and certification thereof shall be borne by the respective bidders and payments on account of above inspection, verification and certification shall be made directly by the Bidder to the Inspection Agency(s). OIL will not be responsible for any payment dispute between Bidders and Third-Party Inspection Agencies.

- 8.3 As mentioned above, Bidder(s) have to submit the verified documents along with the Technical Bids. Bid submitted with un-verified supporting documents shall not be considered. However, in case a bidder submits its bid along with all relevant supporting documents as per BEC without getting all/some of them verified by the designated Independent Inspection agency, such bid can be provisionally considered provided it is accompanied by an **Undertaking by the Bidder on their official letterhead to submit the duly verified copies/verification certificate within 07 (Seven) days of bid opening**. Company will neither send any reminder nor seek any clarification in this regard from such bidders, and the bid will be rejected outright if the bidder fails to submit the verified copies/verification certificate within 07 (Seven) days of bid opening at its own risk and responsibility.
- 8.4 The methodology of inspection/verification of documents is broadly as under but not limited to:
- (a) It is obligatory on the part of the interested Bidders, who choose to participate against the tender, to understand the tender requirements in entirety and the requisite documents sought for in support of the Bid Evaluation Criteria (BEC) mentioned in the tender in particular. The Bidder must produce all the appropriate documents before any of the OIL's empanelled third-party certifying agencies for verification/certification. Neither OIL nor the third-party certifying agency shall be held accountable in any manner regarding the choice of documents by the bidder for verification. Therefore, getting the appropriate documents inspected/verified by the agency in support of BEC clauses is the sole responsibility of the Bidder.
 - (b) The prospective bidder shall contact any of the empanelled inspection agencies. The agency shall go through the Tender Document, especially the requirements of BEC and list the documents to be verified. They shall depute their qualified/competent inspector to the Bidder's premises to check the original documents and certify the copies which the bidder shall submit along with their bids. OIL will reserve the right to ask the inspection agencies to verify the documents with source, if required at no extra cost to OIL. Verification of documents by OIL's empanelled third-party agency shall not automatically make the bidder eligible for award of contract.

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

➤ **General Requirement:**

- Check Bidder's PAN Card
- Check Bidder's GST Certificate
- Check ITR of company
- Check Bidder's Certificate of Incorporation – Domestic Bidder.

➤ **Technical Criteria**

- To check Experience Proof- Completion Certificates, Reference contact verification, Original Work Order/Contract Copy and any other document(s), if called for vide BEC of the Tender.

➤ **Financial Criteria**

- To check the Line of Credit, if incorporated in the tender.

Notes:

- (i) Bidder's self-declared undertakings, Audited Balance Sheet & Profit-loss statement and/or CA certificate having UDIN are not required to be verified by the TPI agency. Similarly, if any document like LOI/LOA/Contracts etc. issued by Oil India Limited are submitted towards BEC experience criteria, such documents need not be verified by TPI agency.
- (ii) Undertaking from TPI Agency as per format enclosed should be submitted along with the Bid.

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

*******END*******

Appendix-2 (Revised)

DECLARATION THAT BIDDER IS NOT UNDER HOLIDAY LIST/DELISTED/BLACKLISTED/DEBARRED

**To,
M/s. OIL INDIA LIMITED**

TENDER NO. _____

Tender Description: _____

Sub: Undertaking/Declaration regarding Holiday List, debarment etc.

- a) We, _____ (Name of the bidder) solemnly affirm that we have read and understood OIL's Banning Policy as available at OIL's website <https://www.oil-india.com/banning-policy> and accept the Banning Policy in toto without any demur, protest, reservations and agree to be bound by the said Policy.
- b) We, hereby declare that neither our company nor any of its allied concerns, partners or associates or directors or proprietors involved in any capacity, are currently put on holiday list/banning list by OIL debaring us/them from carrying on business dealings with OIL.
- c) We, also hereby declare that neither our company nor any of its allied concerns, partners or associates or directors or proprietors involved in any capacity, have not been involved in any previous transgressions in the last 3 years with any other company in any country conforming to the TI (Transparency International) approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
- d) We, disclose the following allied concerns, partners or associates or directors or proprietors involved in any capacity in terms of the definition of Allied firms given in the "Banning Policy" of Oil India Limited:

Sl. No.	Name	Address	PAN No.	GST No.	OIL Vendor Code

Place: _____

Date: _____

(Name & Signature of the authorised
signatory of the bidder)

AMENDMENTS TO PROVISIONS OF TENDER NO. CDG9298P26

Sl. No.	Clause No.	Original Tender Clause	Amended Tender Clause
PART-3: SECTION-II- SCOPE OF WORK (SOW)/TERMS OF REFERENCE (TOR)			
1	<p>PART-3: SECTION-II, SOW/TOR, 3.3.4, NOTE, ii. Page 105 of 285</p>	<p>Contractor to ensure that at least 1(one) back-up tool/Equipment in working condition is always available against the main tool/equipment. If, in the event of breakdown of any of the main tool(s)/equipment, it is found that back up tool(s)/equipment in working condition is not available, then Zero rate will be applicable immediately from the moment any tool(s)/equipment failure is detected in operation. Additionally, for tools other than the main tool(s)/equipment, penalty @ 100% of Operating rate of the faulty tool(s)/equipment will be levied from the start of the waiting period at surface till the replacement/back up tool(s)/equipment is available at site.</p> <p>During the above-mentioned waiting period, the charges for MWD/LWD Surface unit will be reduced to zero rate till a backup tool is made available at site. However, if any other MWD/LWD tool could be run devoid of the faulty tool, only operating rate for the Surface unit will be paid during operating period of these tools.</p>	<p>Contractor to ensure that at least 1(one) back-up tool/Equipment in working condition is always available against the main tool/equipment. If, in the event of breakdown of any of the main tool(s)/equipment, it is found that back up tool(s)/equipment in working condition is not available, then Zero rate will be applicable immediately from the moment any tool(s)/equipment failure is detected in operation. Additionally, penalty @ 100% of Operating rate of the faulty tool(s)/equipment will be levied from the start of the waiting period at surface till the replacement/back up tool(s)/equipment is available at site.</p> <p>During the above-mentioned waiting period, the charges for MWD/LWD Surface unit will be reduced to zero rate till a backup tool is made available at site. However, if any other MWD/LWD tool could be run devoid of the faulty tool, only operating rate for the Surface unit will be paid during operating period of these tools.</p>

Sl. No.	Clause No.	Original Tender Clause	Amended Tender Clause
2	PART-3: SECTION-II, SOW/TOR, 5.0, ix) Page 110 of 285	Real Time Data Monitoring Services: Real Time Data Monitoring Services at rig site as well as at Company's base office in Duliajan for 24x7 monitoring of Directional Drilling Operation to be provided in desktop version. All logs of MWD/LWD tools and drilling mechanics , i.e., Gamma, Resistivity, ROP, Temp, ECD, Survey, RPM (if available), WOB (if feasible), SPP, Flow (if available), Hook load curve etc. should be available in the system. No additional charges will be payable for this service.	Real Time Data: OIL has a real-time Drilling Operational Monitoring Centre (eRTMAC) at FHQ, Duliajan for 24x7 monitoring. The surface system must be compatible with and capable of transmitting data to eRTMAC using, at a minimum, WITS0 and WITSML (version 1.3 and above) in both depth-based and time-based formats. The following data must be made available and accessible for eRTMAC: a) Drilling mechanics data including axial, lateral vibrations, torsional, and stick-slip data. b) All MWD/LWD data related to formation evaluation, including gamma ray, resistivity, neutron, density, caliper, and any other special formation evaluation data. c) All downhole data including toolface, surveys, equivalent circulating density (ECD), annular pressure (if available), downhole temperature (if available), and downhole RPM (if available).

Sl. No.	Clause No.	Original Tender Clause	Amended Tender Clause
3	PART-3: SECTION-II, SOW/TOR, 7.0, Approved list for Tools / Equipment & Services, Page 114 of 285	<p>Approved list for Tools / Equipment & Services:</p> <p>The Contractor should provide Tools / Equipment & Services (mentioned above) from the approved list as shown in the table below:</p> <p><u>APPROVED LIST:</u></p> <p>A. Mud Motor:</p> <ul style="list-style-type: none"> i) Schlumberger ii) Halliburton iii) Weatherford iv) Baker Hughes v) National Oilwell Varco <p>B. RSS:</p> <ul style="list-style-type: none"> i) Schlumberger ii) Halliburton iii) Weatherford iv) Baker Hughes <p>C. Drilling Jar:</p> <ul style="list-style-type: none"> i) Houston Engineers ii) Weatherford 	<p>Approved list for Tools / Equipment & Services:</p> <p>The Contractor should provide Tools / Equipment & Services (mentioned above) from the approved list as shown in the table below:</p> <p><u>APPROVED LIST:</u></p> <p>A. Mud Motor:</p> <ul style="list-style-type: none"> i) Schlumberger ii) Halliburton iii) Weatherford iv) Baker Hughes v) National Oilwell Varco <p>B. RSS:</p> <ul style="list-style-type: none"> i) Schlumberger ii) Halliburton iii) Weatherford iv) Baker Hughes <p>C. Drilling Jar:</p> <ul style="list-style-type: none"> i) Houston Engineers ii) Weatherford

Sl. No.	Clause No.	Original Tender Clause	Amended Tender Clause
		iii) National Oilwell Varco (Griffith) iv) Bowen v) Schlumberger vi) Halliburton vii) ITS viii) Any other OIL approved manufacturer for the approved size	iii) National Oilwell Varco iv) Bowen v) Schlumberger vi) OSCL vii) Halliburton viii) ITS ix) Any other OIL approved manufacturer for the approved size NOTE: During the currency of the contract, in the event of obsolescence, technological upgradation, or availability issues beyond the contractor's control, the contractor may provide alternate tools and equipment not originally proposed in the bid, provided they conform to the make and specifications (same or superior) as stipulated in the contract and are supplied under the same rates, terms and conditions.
4	PART-3: SECTION-II, SOW/TOR, 10.2, SCOPE OF WORK, ♦ Mud Engineer Page 117 of 285	The Mud Engineers should hold bachelor's degree in science with Chemistry as one of the subject or B.E/ B. Tech in Chemical Engineering from any recognized university.	The Mud Engineers should hold bachelor's degree in science with Chemistry as one of the subject or B.E/ B. Tech from any recognized university.
5	PART-3: SECTION-II, SOW/TOR, 10.2, SCOPE OF WORK, ♦ Mud Engineer Page 118 of 285	The on-site mud engineers will provide OIL with daily mud reports as per IADC format incorporating drilling operations, complete mud parameters, volume of mud prepared and consumed, operation	The on-site mud engineers will provide OIL with daily mud reports as per IADC format incorporating drilling operations, complete mud parameters, volume of mud prepared and consumed, operation

Sl. No.	Clause No.	Original Tender Clause	Amended Tender Clause
		<p>of solid control equipment and consumption of additives and chemicals.</p> <p>The contractor will have to submit personnel resume in respect of all the on-site mud engineers for OIL approval prior to start of operation along with other supporting documents.</p> <p>Suitable substitution/replacement of any mud engineer of the contractor due to any valid reasons will be with prior approval of OIL.</p> <p>Contractor is to furnish a list of Mud engineers (at least 04 personnel) and their bio-data for prior approval by the Company.</p> <p>The mud engineer should have adequate knowledge in working with Contractor’s materials, equipment and procedures for the services provided by the contractor.</p> <p>The mud engineer should be competent enough/should have sufficient experience in solving down hole complications including but not limited to cement contamination, mud loss, stuck pipe, caving, high pressure kick etc.</p>	<p>of solid control equipment and consumption of additives and chemicals.</p> <p>The contractor will have to submit personnel resume in respect of all the on-site mud engineers for OIL approval prior to start of operation along with other supporting documents.</p> <p>Suitable substitution/replacement of any mud engineer of the contractor due to any valid reasons will be with prior approval of OIL.</p> <p>Contractor is to furnish a list of Mud engineers (at least 04 personnel) and their bio-data for prior approval by the Company.</p> <p>The mud engineer should have adequate knowledge in working with Contractor’s materials, equipment and procedures for the services provided by the contractor.</p> <p>The mud engineer should be competent enough/should have sufficient experience in solving down hole complications including but not limited to cement contamination, mud loss, stuck pipe, caving, high pressure kick etc.</p> <p>Note:</p>

Sl. No.	Clause No.	Original Tender Clause	Amended Tender Clause
			Bidder has to submit an undertaking to provide the required experienced manpower in the prescribed format in Annexure – EE.
6	PART-3: SECTION-II, SOW/TOR, 10.3, Note, 5 Page 119 of 285	<p>Note:</p> <ol style="list-style-type: none"> 1. Personnel resume of mud engineer should specifically include but not limited to: Length of experience in drilling wells, Area/ field where and for whom worked, Type of mud systems worked with, experience in solving down hole problems. Personnel resume of Centrifuge Operators should include Length of experience in drilling rigs, for whom worked etc. 2. In case of non-availability of Mud Engineer during operation, penalty will be levied at the rate of 10% of the Operating Day rate of the RSS- whichever is higher of all the four sections (for each non-available person) till suitable replacement duly approved by Oil India Ltd. arrives. In case of non-availability of Centrifuge operator during operation, penalty will be levied at the rate of 10% of the Operating Day rate of the Centrifuge (for each non-available 	<p>Note:</p> <ol style="list-style-type: none"> 1. Personnel resume of mud engineer should specifically include but not limited to: Length of experience in drilling wells, Area/ field where and for whom worked, Type of mud systems worked with, experience in solving down hole problems. Personnel resume of Centrifuge Operators should include Length of experience in drilling rigs, for whom worked etc. 2. In case of non-availability of Mud Engineer during operation, penalty will be levied at the rate of 10% of the Operating Day rate of the RSS- whichever is higher of all the four sections (for each non-available person) till suitable replacement duly approved by Oil India Ltd. arrives. In case of non-availability of Centrifuge operator during operation, penalty will be levied at the rate of 10% of the Operating Day rate of the Centrifuge (for each non-available person) till suitable

Sl. No.	Clause No.	Original Tender Clause	Amended Tender Clause
		<p>person) till suitable replacement duly approved by Oil India Ltd. arrives.</p> <p>3. Mud Engineer/Centrifuge can be mobilized/demobilized independently.</p> <p>4. The Contractor should be able to provide 02 nos of Centrifuges in two Drilling wells simultaneously as per the requirement of OIL.</p>	<p>replacement duly approved by Oil India Ltd. arrives.</p> <p>3. Mud Engineer/Centrifuge can be mobilized/demobilized independently.</p> <p>4. The Contractor should be able to provide 02 nos of Centrifuges in two Drilling wells simultaneously as per the requirement of OIL.</p> <p>5. Particulars of Mud Engineers & Centrifuge Operators must be submitted in the format Annexure-XIII to OIL for approval prior to deployment at wellsite.</p>
7	PART-3: SECTION-II, SOW/TOR, 10.4, MUD AND MATERIAL MANAGEMENT SERVICES, i) Page 120 of 285	<p>The Contractor shall supply all special chemicals/additives conforming to relevant API / BIS/ OIL specifications required for drilling of 12 ¼”, 8.1/2” and 6” hole section. The contractor shall maintain adequate stock of all chemicals at their Duliajan warehouse as per Annexure-XV. Mobilization of Chemicals will be considered to be completed when Chemicals under the contract will be mobilized to their Duliajan warehouse as per Annexure-XVI. Contractor to ensure timely supply as per operational requirement of the well. However, the payment will be made on actual consumption basis</p>	<p>The Contractor shall supply all special chemicals/additives conforming to relevant API / BIS/ OIL specifications required for drilling of 12 ¼”, 8.1/2” and 6” hole section. The contractor shall maintain adequate stock of all chemicals at their Duliajan warehouse as per Annexure-XV. Mobilization of Chemicals will be considered to be completed when Chemicals under the contract will be mobilized to their Duliajan warehouse as per Annexure-XVI. Contractor to ensure timely supply as per operational requirement of the well. However, the payment will be made on actual consumption basis duly certified by OIL</p>

Sl. No.	Clause No.	Original Tender Clause	Amended Tender Clause																																																																								
		<p>duly certified by OIL chemist/company representative. OIL will provide temporary storage space at site to store chemicals brought in by the contractor. Housekeeping / maintenance of the storage space at well site is solely contractor's responsibility.</p>	<p>chemist/company representative. OIL will provide temporary storage space at site to store chemicals brought in by the contractor. Housekeeping / maintenance of the storage space allotted to Contractor for storing Contractor's chemicals at well site is solely contractor's responsibility.</p>																																																																								
8	<p>PART-3: SECTION-II, SOW/TOR, 10.5, DESIGNING OF MUD PROGRAM Page 133 of 285</p>	<table border="1"> <thead> <tr> <th>Properties</th> <th>12-1/4"</th> <th>8-1/2"</th> <th>6"</th> </tr> </thead> <tbody> <tr> <td>Density (ppg)</td> <td>10.5</td> <td>13.5</td> <td>13.5</td> </tr> <tr> <td>Yield Point (lbs/100 ft2)</td> <td>15 - 30</td> <td>25 - 40</td> <td>30-40</td> </tr> <tr> <td>pH</td> <td>9.0 - 10</td> <td>9.0 - 10</td> <td>9.0-9.5</td> </tr> <tr> <td>API Filtrate (cc)</td> <td>8.0 - 6.0</td> <td>6.0 - 4.0</td> <td>5.0-4.0</td> </tr> <tr> <td>HTHP Filtrate (cc) at 200°F/500 psi</td> <td><20.0</td> <td><20.0</td> <td><20</td> </tr> <tr> <td>Sand % by vol</td> <td><0.3</td> <td><0.2</td> <td><0.2</td> </tr> <tr> <td>Lubricity coefficient</td> <td>0.1 - 0.2</td> <td>0.1 - 0.15</td> <td>0.1-0.15</td> </tr> <tr> <td>Plastic viscosity (lbs/100 ft2)</td> <td>25 (max)</td> <td>40 (max)</td> <td>40 (max)</td> </tr> </tbody> </table>	Properties	12-1/4"	8-1/2"	6"	Density (ppg)	10.5	13.5	13.5	Yield Point (lbs/100 ft2)	15 - 30	25 - 40	30-40	pH	9.0 - 10	9.0 - 10	9.0-9.5	API Filtrate (cc)	8.0 - 6.0	6.0 - 4.0	5.0-4.0	HTHP Filtrate (cc) at 200°F/500 psi	<20.0	<20.0	<20	Sand % by vol	<0.3	<0.2	<0.2	Lubricity coefficient	0.1 - 0.2	0.1 - 0.15	0.1-0.15	Plastic viscosity (lbs/100 ft2)	25 (max)	40 (max)	40 (max)	<table border="1"> <thead> <tr> <th>Properties</th> <th>12-1/4"</th> <th>8-1/2"</th> <th>6"</th> </tr> </thead> <tbody> <tr> <td>Density (ppg)</td> <td>10.5</td> <td>13.5</td> <td>13.5</td> </tr> <tr> <td>Yield Point (lbs/100 ft2)</td> <td>15 - 30</td> <td>25 - 40</td> <td>30-40</td> </tr> <tr> <td>pH</td> <td>9.0 - 10</td> <td>9.0 - 10</td> <td>9.0-9.5</td> </tr> <tr> <td>API Filtrate (cc)</td> <td>8.0 - 6.0</td> <td>6.0 - 4.0</td> <td>5.0-4.0</td> </tr> <tr> <td>HTHP Filtrate (cc) at 200°F/500 psi</td> <td><20.0</td> <td><20.0</td> <td><20</td> </tr> <tr> <td>Sand % by vol</td> <td><0.5</td> <td><0.5</td> <td><0.5</td> </tr> <tr> <td>Lubricity coefficient</td> <td>0.1 - 0.2</td> <td>0.1 - 0.15</td> <td>0.1-0.15</td> </tr> <tr> <td>Plastic viscosity (lbs/100 ft2)</td> <td>25 (max)</td> <td>40 (max)</td> <td>40 (max)</td> </tr> </tbody> </table>	Properties	12-1/4"	8-1/2"	6"	Density (ppg)	10.5	13.5	13.5	Yield Point (lbs/100 ft2)	15 - 30	25 - 40	30-40	pH	9.0 - 10	9.0 - 10	9.0-9.5	API Filtrate (cc)	8.0 - 6.0	6.0 - 4.0	5.0-4.0	HTHP Filtrate (cc) at 200°F/500 psi	<20.0	<20.0	<20	Sand % by vol	<0.5	<0.5	<0.5	Lubricity coefficient	0.1 - 0.2	0.1 - 0.15	0.1-0.15	Plastic viscosity (lbs/100 ft2)	25 (max)	40 (max)	40 (max)
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Sl. No.	Clause No.	Original Tender Clause				Amended Tender Clause			
		Gel Strengths 0'/10' (lbs/100 ft2)	6-12 / 10-35	6-12 / 10-35	6-10 /10-25	Gel Strengths 0'/10' (lbs/100 ft2)	6-12 / 10-35	6-12 / 10-35	6-10 /10-25
9	PART-3: SECTION-II, SOW/TOR, 10.13, PENALTY CLAUSE, b) Page 140 of 285	<p>If during the operations, any chemical as indicated in (Table-III) is found to be substandard after testing or stock out situation of any chemical, contractor shall replace / replenish the materials within 15 days without any extra cost to OIL. All expenditure including transportation of rejected materials will be borne by the Contractor. It is to be noted that due to rejection of chemicals after nonconformity of laboratory testing or arising out of any stock out situation due to unplanned supply chain, ZERO rate to mud engineering services will be applicable with immediate effect till the replenishment of stock. Contractor should take enough measures for maintaining quality/quantity of chemicals to avoid such type of situations.</p>				<p>If during the operations, any chemical as indicated in (Table-III) is found to be substandard after testing or stock out situation of any chemical, contractor shall replace / replenish the materials within 21 days without any extra cost to OIL. All expenditure including transportation of rejected materials will be borne by the Contractor. It is to be noted that due to rejection of chemicals after nonconformity of laboratory testing or arising out of any stock out situation due to unplanned supply chain, ZERO rate to mud engineering services will be applicable with immediate effect till the replenishment of stock if operations are suspended due to shortage of any stock. Contractor should take enough measures for maintaining quality/quantity of chemicals to avoid such type of situations.</p>			
PART-3: SECTION-III - SPECIAL CONDITIONS OF CONTRACT (SCC)									

Sl. No.	Clause No.	Original Tender Clause	Amended Tender Clause
1	PART-3: SECTION-III, SCC, 1.0, DEFINITIONS, n , Page 142 of 285	“Gross Negligence” means any act or failure to act (whether sole, joint or concurrent) by a person or entity which was intended to cause, or which was in reckless disregard of or wanton indifference to, avoidable and harmful consequences such person or entity knew, or should have known, would result from such act or failure to act.	As per GCC.
2	PART-3: SECTION-III, SCC, 2.0 MOBILIZATION, 2.2 Page 142 of 285	The mobilization of equipment, personnel etc. of each individual set(s) and Mud Engineering chemicals should be completed by Contractor within 120 days from the date of individual Mobilization notice for each individual set(s) issued by Drilling department. This notice will be issued depending on the availability and readiness of drilling location. Mobilization of each individual set(s) and mud engineering chemicals shall be deemed to be completed when Contractor’s particular set(s) and mud chemicals is complete with all equipment/consumables and manpower are placed at the nominated location in readiness to commence Work as envisaged under the Contract, duly certified by the Company’s authorized representative.	The mobilization of equipment, personnel etc. of each individual set(s) and Mud Engineering chemicals should be completed by Contractor within 120 days from the date of Mobilization notice for each individual set(s)/ Mud Engineering chemicals. This notice will be issued depending on the availability and readiness of drilling location. Mobilization of each individual set(s) and mud engineering chemicals shall be deemed to be completed when Contractor’s particular set(s) and mud chemicals is complete with all equipment/manpower/ consumables are placed at the nominated location in readiness to commence Work as envisaged under the Contract, duly certified by the Company’s authorized representative. In case of call out tools, mobilization should be completed by Contractor within 60 (Sixty) days.

Sl. No.	Clause No.	Original Tender Clause	Amended Tender Clause
3	<p>PART-3: SECTION-III, SCC, 5.0, LIQUIDATED DAMAGES FOR DEFAULT IN TIMELY MOBILISATION, Page Page 143 & 144 of 285</p>	<p>5.1 Time is the essence of this Contract. In the event of the Contractor's default in timely mobilization for commencement of operations within the stipulated period, the Contractor shall be liable to pay liquidated damages @ 0.5% of total contract value for the particular set/ contract value of Mud engineering chemicals including mobilization & demobilization cost, per week or part thereof of delay subject to maximum of 7.5% of total contract value for the particular set/total contract value of Mud engineering chemicals including mobilization & demobilization cost. Liquidated Damages will be reckoned from the expiry date of the scheduled mobilisation period as defined under Clause No. 2.0 above. The above LD will be calculated for each set / Mud engineering chemicals separately.</p> <p>Note: For interim mobilization, LD will be applicable @ 0.5% of the one year Contract value for the particular set including mobilization & demobilization cost, per week or part thereof of delay subject to maximum of 7.5% of the one year Contract value for the particular set including mobilization & demobilization cost.</p>	<p>5.1 Time is the essence of this Contract. In the event of the Contractor's default in timely mobilization for commencement of operations within the stipulated period, the Contractor shall be liable to pay liquidated damages @ 0.5% of total contract value for the particular set/ contract value of Mud engineering chemicals including mobilization & demobilization cost, per week or part thereof of delay subject to maximum of 7.5% of total contract value for the particular set/total contract value of Mud engineering chemicals including mobilization & demobilization cost. Liquidated Damages will be reckoned from the expiry date of the scheduled mobilisation period as defined under Clause No. 2.0 above. The above LD will be calculated for each set / Mud engineering chemicals separately. The above LD calculated for each set will be exclusive of the Call out items in the set.</p> <p>For the callout items, the Contractor shall be liable to pay liquidated damages @ 0.5% of total contract value for the particular Callout item including mobilization & demobilization cost, per week or part thereof of delay subject to maximum of 7.5% of total contract value for the particular Callout item including mobilization & demobilization cost.</p> <p>Note: For interim re-mobilization, LD will be applicable @ 0.5% of the one year Contract value for the particular set including</p>

Sl. No.	Clause No.	Original Tender Clause	Amended Tender Clause
			mobilization & demobilization cost, per week or part thereof of delay subject to maximum of 7.5% of the one year Contract value for the particular set including mobilization & demobilization cost. The above LD calculated for each set will be exclusive of the Call out items in the set.
4	PART-3: SECTION-III, SCC, 31.0, CUSTOMS DUTY	<p>31.1 In terms of Sl. No. 404 of the Customs Notification No.50/2017-Cus dated 30.06.2017, imports of the items specified in List 33 of the Notification are subject to levy of concessional rate of customs duty @5% (BCD Nil & IGST @5%) subject to conditions specified therein (Condition No. 48). However, this is subject to change as per Government guidelines and the provisions ruling at the time of tender closing will be applicable.</p> <p>Similarly, the domestic supply of such goods would attract 5% GST (i.e. IGST or CGST & SGST/UTSGT) in terms of GST Notification No. 03/2017.</p> <p>31.2 The items to be imported by the Service Provider under the Contract are specified in Proforma-A. Contractor shall make written request to Company immediately after</p>	<p>31.1 In terms of Sl. No. 404 of the Customs Notification No.50/2017-Cus dated 30.06.2017, imports of the items specified in List 33 of the Notification are subject to levy of concessional rate of customs duty subject to conditions specified therein (Condition No. 48). However, Condition No. 48 along with List33 of the said notification has been amended vide Customs Notification No. 30/2024-Customs dated 23.07.2024. Similarly, the domestic supply of such goods would attract concessional GST on submission of Essentiality Certificate (EC) issued by DGH in terms of Gazette Notification No. No. 3/2017-Central Tax (Rate) dated 28.06.2017 (and as amended from time to time).</p> <p>31.2 Bidder should provide the list of items to be imported by them under the</p>

Sl. No.	Clause No.	Original Tender Clause	Amended Tender Clause
		<p>shipment of the goods indicated by them in Proforma-A, along with the Invoices and all shipping documents (with clear 15 working days' notice) requesting Company for issuance of the Recommendatory Letter. OIL shall issue the Recommendatory Letter provided all the documents submitted by the Contractor are found in order as per contract. It shall be however, Contractor's responsibility to obtain EC from DGH and clear the goods through customs. OIL shall not be liable in whatsoever manner for the rejection of their claims for zero customs duty by any of the authorities including DGH. Contractor shall indemnify OIL from all liabilities of Customs Duty.</p> <p>31.3 All imports and import clearances under the contract shall be done by the contractor and OIL shall not provide any assistance in this regard.</p> <p>31.4 However, in the event customs duty becomes leviable during the course of contract arising out of a change in the policy of the Government, Company shall be liable for payment of the customs duties leviable in India on Contractor's items as provided in</p>	<p>Contract in the format specified in Proforma-A alongwith their bid for issuance of requisite undertaking/certificate for availing concessional rate of customs duty only against the items explicitly covered under List-33 of Customs Notification No. 30/2024-Customs dated 23.07.2024 or against any other item(s) subsequently declared by the competent authority during the tenure of the contract to be duty exempted/concessional. Contractor shall make written request to Company immediately after shipment of the goods indicated by them in Proforma-A, alongwith the Invoices and all shipping documents (with clear 15 working days' notice) requesting Company for issuance of the Recommendatory Letter/requisite undertaking/certificate. Company shall issue the Recommendatory Letter/ requisite undertaking/certificate provided all the documents submitted by the Contractor are found in order as per contract. Undertaking/Certificate for availing concessional rate of Customs</p>

Sl. No.	Clause No.	Original Tender Clause	Amended Tender Clause
		<p>Proforma-A or the actuals whichever is less, provided Contractor furnishes all necessary documents indicating the estimated customs duty at least 10 days in advance. Such payment of Customs Duty shall be arranged by Company and made available to the representatives of Contractor at Kolkata within 3 working days after Contractor submits the undisputed and clear necessary documents / duty assessment papers at Company's office at Kolkata. Contractor would be responsible for passing such payment to customs authorities at the port of entry. Company's obligation for Customs Duty payment shall be limited / restricted to the tariff rates as assessed by the Customs on the day of clearance, or as on the last day of the stipulated mobilisation period. In case of clearance thereafter, on the CIF value of items in Proforma-A will be frozen and any increase in Customs Duty on account of increase in value on these will be to the Contractor's account. Furthermore, in case the above CIF value is not acceptable to assessing Customs Officer and as a result if any excess Customs Duty becomes payable, it</p>	<p>Duty shall be issued by OIL only for the eligible items, provided the same are included in the Proforma-A submitted by the bidder.</p> <p>31.3 The required certificate/undertaking for availing concessional duty will be issued by OIL only for those items which are either consumed during the execution of work or for those equipment/tools which are undertaken to be reexported by the bidder. The required certificate/undertaking will not be issued when the bidder imports the equipment/tools on acquisition basis and does not undertake to re-export the same after the completion of the contract.</p> <p>31.4 The contractor shall be responsible to carry out all the formalities. In case of any mis-declarations or offences committed under the Customs rules and regulations and also allied rules, fine, penalty or any other charges levied by the concerned authorities on OIL shall be borne by the Contractor including the element of interest on</p>

Sl. No.	Clause No.	Original Tender Clause	Amended Tender Clause
		<p>shall be to Contractor's account. Before filing Bill of lading, Bill of entry, the Contractor must consult the Company to avoid payment of excess Customs Duty.</p> <p>31.5 Contractor shall, however, arrange clearance of such items from Customs and port authorities in India and shall pay all requisite demurrages, if any, clearance fees/charges, port fees, clearing and forwarding agent fees/charges, inland transport charges etc. Company shall provide all assistance by issuance of necessary letter of authority or other relevant documents and necessary help.</p> <p>31.6 Contractor must ensure that the spares and consumables imported by them for providing the services under Contract are properly used in executing their job under the Contract in the PEL/ML areas of Company for which EC has been obtained. Contractor shall furnish to Company a certificate as and when the spares and consumables are used/consumed certifying that the spares and the consumables imported by them have been consumed in those ML and PEL areas under the contract</p>	<p>OIL's fund blocked under such circumstances. OIL shall be indemnified by the Contractor against all actions by Govt. or any other agency for acts of commission and omission.</p> <p>31.5 Contractor shall be responsible to import the equipment/tools for execution of the contract. The contractor shall undertake to complete all the formalities as required under the Customs Act/Foreign Trade Policy (FTP) and indemnify OIL from all the liabilities of Customs in this regard.</p> <p>31.6 The equipment/tools imported by the Contractor for petroleum operations against the certificate/undertaking provided by OIL shall not be used/deployed by the Contractor for any purpose other than the jobs arising out of the contract awarded by OIL and in the event of equipment/tools being misused or put to use other than specified use, the Contractor shall be liable to pay duty, fine, penalty and other actions</p>

Sl. No.	Clause No.	Original Tender Clause	Amended Tender Clause
		<p>for which ECs were obtained by them. In order to avoid any misuse of the spares and consumables imported by the Contractor for providing the services under the Contract, Contractor shall furnish an Undertaking similar to that being furnished by Company to Customs of suitable amount before issue of the Recommendatory Letter.</p> <p>31.7 In the event of denial of benefit to the contractor provided under notification no.3/2017-Central Tax and similar notification under state and integrated tax or notification no. 50/2017-Customs or no issuance of Essentiality certificate by DGH for reason not attributable to the contractor, contractor shall charge applicable customs duty on import or goods and service tax on supply as per the HSN code of the product.</p>	<p>taken by the Customs Department and other authorities for violation of the customs rules and regulations and other allied rules.</p> <p>31.7 OIL will not issue any Undertaking/Certificate towards customs duty concession/exemption for those items (not included in List-33 of Notification) and the duty payable on merit shall be borne by the Contractor. However, any other item if subsequently notified by the competent authority to be Duty free/concessional during the tenure of the contract, OIL will issue requisite Certificate/Undertaking for Contractor to avail the Customs Duty benefit and the duty benefit must be passed on to OIL.</p> <p>31.8 All costs of imports and import clearances under the contract shall be borne by the contractor and Company shall not provide any assistance in this regard.</p> <p>31.9 However, in the event customs duty becomes leviable during the course of</p>

Sl. No.	Clause No.	Original Tender Clause	Amended Tender Clause
			<p>Contract arising out of a change in the policy of the Government, the Company shall reimburse the customs duties leviable in India on Contractor's items as provided in Proforma-A or the actual whichever is less, on submission of documentary evidence. However, the Contractor should notify about the change in policy with documentary evidence and obtain Company's consent prior to shipment of the items. Company's obligation for Customs Duty payment shall be limited / restricted to the tariff rates as assessed by the Customs on the day of clearance, or as on the last day of the stipulated mobilization period. In case of clearance thereafter, on the CIF value of items in Proforma-A will be frozen and any increase in Customs Duty on account of increase in value on these will be to the Contractor's account. Furthermore, in case the above CIF value is not acceptable to assessing Customs Officer and as a result if any excess Customs Duty becomes payable, it shall be to Contractor's account.</p>

Sl. No.	Clause No.	Original Tender Clause	Amended Tender Clause
			<p>31.10 Contractor shall, however, arrange clearance of such items from Customs and port authorities in India and shall pay all requisite demurrages, if any, clearance fees/charges, port fees, clearing and forwarding agent fees/charges, inland transport charges etc. Company shall provide all assistance by issuance of necessary letter of authority or other relevant documents and necessary help.</p> <p>Contractor must ensure that the spares and consumables imported by them for providing the services under Contract are properly used in executing their job under the Contract in the PEL/ML areas of Company for which EC/undertaking has been obtained. Contractor shall furnish to Company a certificate as and when the spares and consumables are used/consumed certifying that the spares and the consumables imported by them have been consumed in those ML/PEL areas under the contract for which ECs were obtained by them. In order to avoid any misuse of the spares and consumables imported by the Contractor for providing the services under the Contract, Contractor shall furnish an Undertaking similar to that being furnished by Company to</p>

Sl. No.	Clause No.	Original Tender Clause	Amended Tender Clause
			Customs of suitable amount before issue of the Recommendatory Letter/undertaking/certificate.
5	PART-3: SECTION-III, SCC, 38.0, LIMITATION OF LIABILITY, Page Page 165 of 285	<p>LIMITATION OF LIABILITY:</p> <p>Notwithstanding any other provisions herein to the contrary, except only in cases of Wilful Misconduct, Gross Negligence and/or criminal acts,</p> <p>(a) Neither the Contractor nor the Company (OIL) shall be liable to the other, whether in Contract, tort, or otherwise, for any consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided however that this exclusion shall not apply to any obligation of the Contractor to pay Liquidated Damages to the Company and/or Company's right to forfeit the Performance Bank Guarantee(s) in terms of the contract.</p> <p>(b) Notwithstanding any other provisions incorporated elsewhere in the Contract, the aggregate liability of the Contractor in respect of this Contract, whether under Contract, in tort or</p>	As per GCC.

Sl. No.	Clause No.	Original Tender Clause	Amended Tender Clause
		<p>otherwise, shall not exceed 50% of the 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 Company with respect to Intellectual Property Rights.</p> <p>(c) Company shall indemnify and keep indemnified Contractor harmless from and against any and all claims, costs, losses and liabilities in excess of the aggregate liability amount in terms of clause (b) above.</p>	
PART-3: SECTION-IV - SCHEDULE OF RATES (SOR):			
1	PART-3: SECTION-IV, SCHEDULE OF RATES (SOR), (B), DE-MOBILIZATION/INTERIM DE-MOBILIZATION CHARGES OF TOOLS/EQUIPMENT INCLUDING PERSONNEL: x) Page 170 of 285	NEW CLAUSE	x) If during execution of the contract, any set(s) is/are on Interim De-mobilization and the Interim De-mobilization invoice(s) is/are already paid and the contract duration expires before Re-mobilization of these set(s), in such case(s) only the differential amount shall be paid for the Final De-mobilization invoice.

Sl. No.	Clause No.	Original Tender Clause	Amended Tender Clause
ANNEXURES & CHECKLIST			
1	Annexure-II , Details of collar based MWD tool for 17.½”, 12.¼”, 8.½” & 6” hole sections, 5, Flow Range (GPM) Page 235 of 285	17½” hole section- Min. Flow Rate: 400 GPM or less & Max. Flow Rate: 900GPM or more For 12¼” hole section- Min. Flow Rate: 400 GPM or less & Max. Flow Rate: 750 GPM or more. For 8½” hole section- Min. Flow Rate: 300 GPM or less & Max. Flow Rate: 550GPM or more. For 6” hole section: Min. Flow Rate: 200 GPM or less & Max. Flow Rate: 350 GPM or more	17½” hole section- Min. Flow Rate: 450 GPM or less & Max. Flow Rate: 900GPM or more For 12¼” hole section- Min. Flow Rate: 450 GPM or less & Max. Flow Rate: 750 GPM or more. For 8½” hole section- Min. Flow Rate: 400 GPM or less & Max. Flow Rate: 550GPM or more. For 6” hole section: Min. Flow Rate: 200 GPM or less & Max. Flow Rate: 350 GPM or more (tentatively for all of above)
2	Annexure-III , 2.0, Specification of 7¾”/8”/8.¼” Steerable Downhole Mud Motor, 2, Flow rate range (approx.) Page 238 of 285	Min. Flow Rate: 390 GPM or less	Min. Flow Rate: 450 GPM or less. (tentatively)
3	Annexure-III , 2.0, Specification of 7¾”/8”/8.¼” Steerable Downhole Mud Motor, 4, Bit speed range (approx.) Page 238 of 285	45 RPM or less - 145 RPM or more	45 RPM or less - 145 RPM or more (tentatively)

Sl. No.	Clause No.	Original Tender Clause	Amended Tender Clause
4	Annexure-III , 3.0, Specification of 6½"/6¾" Steerable Downhole Mud Motor, 2, Flow rate range (approx.) Page 239 of 285	Min. Flow Rate: 300 GPM or less	Min. Flow Rate: 320 GPM or less. (tentatively)
5	Annexure-III , Specification of 4¾" Steerable Downhole Mud Motor, 4, Bit speed range (approx.) Page 241 of 285	100 RPM or less - 260 RPM or more	100 RPM or less - 260 RPM or more (tentatively)
6	Annexure IV , 3.0, Specification of 4¾" OD Drilling Jar, 3 Page 244 of 285	ID: 2¼" / 2½"	ID : 2" / 2¼" / 2½"
7	Annexure-VIII , SPECIFICATION OF ANNULUS PRESSURE AND TEMPERATURE MEASUREMENT TOOLS FOR 12 ¼", 8 ½" and 6" HOLE SIZE, 1, ECD and ESD CAPABILITY Page 251 of 285	Pressure sensor to identify ECD (Equivalent Circulating Density) and ESD (Equivalent Static Density)	Pressure sensor to identify ECD (Equivalent Circulating Density)
8	Annexure-VIII , SPECIFICATION OF ANNULUS PRESSURE AND TEMPERATURE MEASUREMENT TOOLS FOR 12 ¼", 8 ½" and 6" HOLE SIZE, 3,	Should be able to provide measurements in both OFF and ON conditions of the pumps	Should be able to provide measurements in ON conditions of the pumps

Sl. No.	Clause No.	Original Tender Clause	Amended Tender Clause
	MEASUREMENT CAPABILITY Page 251 of 285		
9	Annexure-XII , Deliverables for MWD-LWD Tools Page 256 of 285	Column name: Processed Output (after completion of a hole section), Sl. No. 4 Corrected near far counts of neutron should also be provided	Column name: Processed Output (after completion of a hole section) , Sl. No. 4 All raw channels also required to carry out independent environmental corrections on Density and Neutron should also be provided. Bidder may also provide Density / Neutron tool with an inbuilt algorithm to calculate the Bulk density and Neutron porosity downhole and shall provide borehole compensated and environmentally corrected LWD measurements as final output.
10	Annexure-EE	NEW ANNEXURE (enclosed below)	Format of Undertaking for Personnel to be Deployed (Mud Engineers)
11	Checklist-III	NEW CHECKLIST (enclosed below)	Technical Specification Matrix (to be submitted along with the technical bid)

Format of Undertaking for Personnel to be Deployed

(On the Letter head of Company)

Date:

To

The Chief General Manager – Contracts

Oil India Limited, Duliajan.

Dear Sir,

Sub: Experience of Mud Engineers

We undertake as following:

To depute on-site Mud Engineers on 12-hour shift basis having minimum required years of experience in Mud Engineering as per Scope of Work for the complete duration of the Contract. The engineers will work on a suitable ON/OFF-day rotation.

1. To depute Mud Engineers having competency in all aspects of Mud Engineering including the capability to execute the job of Mud Engineering independently.
2. To depute Mud Engineers having complete knowledge of all the materials, equipment and procedures for the services provided by us.

Thanking you,

For (Name of Bidder)

(Signature)

Name & Designation of Authorized Signatory.

TECHNICAL SPECIFICATION MATRIX

Bidders to mark Complied/Provided or Not complied/Not Provided along with the Reference File No. and Page No., whichever is applicable

<u>SCOPE OF WORK (SOW)/TERMS OF REFERENCE (TOR)/TECHNICAL SPECIFICATIONS</u>				
Clause No.	Description	Complied/ Provided	Not complied/ Not Provided	Reference File No. and Page No. of Bidder's Quote
1.0	INTRODUCTION:			
	<p>OIL INDIA LIMITED (OIL), an integrated National E&P Company has been carrying out oil exploration & development activities since early fifties. Also, it is engaged in production & transportation of crude oil & natural gas. OIL has major share of its E&P activities in Assam & Arunachal Pradesh besides activities in rest of India.</p> <p>This section establishes the scope and schedule for the work to be performed by the Contractor and describes references to the specifications, instructions, standards and other documents including specifications for any materials, tools or equipment which the Contractor shall satisfy or adhere to in the performance of the work.</p> <p>In order to boost up production level of crude oil & natural gas through increased & efficient drilling activities, OIL intends to hire:</p> <p>(i) One set of RSS + SDMM + Directional with Gamma Ray tools + Jar for 17½” hole section alongwith MWD surface Unit.</p>			

	<p>(ii) One set of RSS + SDMM + Directional with Gamma Ray tools + Jar, APWD tool alongwith MWD/LWD surface Unit and Mud Engineering Service for 12¼” hole section. Additionally, One set each of resistivity and neutron- azimuthal Density with imaging and calliper for 12¼” hole section <i>will be on call out basis</i>.</p> <p>(iii) One set of RSS + SDMM + Directional with Gamma Ray tools + Jar, APWD tool, resistivity, neutron- azimuthal Density with imaging and calliper alongwith MWD/LWD surface Unit and Mud Engineering Service for 8½ ” hole section. Additionally, Formation Pressure while Drilling for 8.1/2 ” hole section <i>will be on call out basis</i>.</p> <p>(iv) One set of RSS + SDMM + Directional with Gamma Ray tools + Jar, APWD tool, resistivity, neutron- azimuthal Density with imaging and calliper alongwith MWD/LWD surface Unit and Mud Engineering Service for 6” hole section. Additionally, Formation Pressure while Drilling for 6 ” hole section <i>will be on call out basis</i>.</p> <p>All the above services are meant for PEL / ML/ NELP/ OALP/DSF areas for directional drilling activity. OIL will provide necessary recommendatory letter for EC for the tools/equipment, spares & consumables during initial & subsequent import of required materials against the contract. However, the total amount will be limited to the CIF value as declared in the bid as per Proforma-A.</p> <p>Contractors to provide the above services, together with Manpower as per the scope of work.</p>			
2.0	AREA OF OPERATION:			
	The areas of operation will be primarily in OIL’s operational areas under PEL/ML/OALP/NELP/DSF in the states of North East India. However, if the service is required to be mobilized/deployed in other areas across India, the mobilization/transfer of the service shall be			

	at mutually agreed terms & conditions and rates. Payment for all the other items shall be in accordance with the contract rate as per Schedule of Rates (SOR).			
3.0	<u>BROAD SCOPE OF WORK:</u>			
	<p>OIL intends to hire a total of 04 (Four) sets of directional tools and equipment including the services of personnel with collar based MWD/LWD tools for drilling of Directional/Side-track/Re-entry or any other types of wells from kick-off to target along with stand-by back-up tools for its exploration and development activities in North Eastern States for a period of 04 (four) years. The tools, equipment and services may also be used in vertical wells for performance drilling. Additionally, some of the tools, equipment and services meant for one size of hole section may be used in another size of hole section (if technically feasible) for effective utilization of resources at the discretion of OIL. The Contractor shall provide the services along with all necessary equipment/tools and personnel and carryout directional drilling operations in accordance with the approved directional well plan. The approved well plan may be amended from time to time by reasonable modification as deemed fit by the company. However, the contractor shall be wholly responsible for rendering the services as per scope of work under this contract.</p> <p>Under the service, the contractor shall have to provide the following services with their tools & equipment:</p> <p>3.0 Collar based non- retrievable type MWD / LWD tools (Compatible with RSS/SDMM) with Positive/Continuous Mud Pulse Telemetry system shall be provided under this service. The Contractor should categorically confirm to this effect.</p> <p>3.1 RSS, SDMM, MWD/LWD & Jar to be deputed under the service should comply with the followings:</p>			

	<p>i) All down hole tools including surface units must be of recent version. These tools should either be new or recently refurbished. In case of refurbished tools, the refurbishment should not be more than 06(Six) months old. Contractor must submit relevant documents of the tools in this respect as documentary evidence before mobilization of the tools. However, in case of brand new tools, the same will not be applicable.</p> <p>In addition to the above, Contractor must submit maintenance schedule and certificates against all tools as per Contractors policy before mobilization of the tools under the Contract for scrutiny by OIL. Bidder to confirm the same.</p> <p>Note: Part no. / Identification no. must be noted in the maintenance records</p> <p>ii) The Contractor should provide the technical literature/catalogue for all the offered tools.</p> <p>iii) The Contractor shall provide Calibration certificate of MWD & LWD tools before mobilization showing Inclination, Azimuth, Tool face & Dip angle accuracies as applicable. Calibration certificates for accuracy of Measurement should not be more than 06 (six) months old. In case, calibration certificates are of 01 (One) year validity, the same will also be acceptable, provided the certificates are valid at the time of mobilization. Bidder to confirm the same.</p> <p>iv) RSS/SDMM/MWD/LWD/Jar/Resistivity & other tools provided by the Contractor shall be supported with spares and service during the duration of the Contract.</p> <p>v) Contractor shall provide relevant test certificates for the drilling jars. Test certificates has to be provided before mobilization.</p>			
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	<p>vi) All tools/equipment and consumables deployed by the Contractor should meet OIL's specified requirement.</p> <p>vii) MWD/LWD tools initially mobilized by the Contractor and any replacement thereof, should be accompanied by Calibration sheets, approved by Contractors QA/QC engineers/TPI. Contractors to confirm the same.</p>			
3.3	<p><u>Tools and Equipment:</u></p> <p>(Tools & Equipment to be provided as specified in the table under this clause in the tender)</p>			
3.3.1	<p><u>TOOLS, EQUIPMENT & SERVICES FOR 17.1/2" HOLE SECTION:</u></p>			
	<p>i. RSS-SDMM + directional MWD + Jar are to be provided for drilling 17.1/2" hole as a complete package. System should be capable of building, holding and dropping well angle and direction as per approved well plan trajectory. However, in case of RSS, it should be capable of simultaneously changing azimuth and inclination in rotary drilling mode. The MWD system should be based on positive/Continuous mud pulse telemetry system. It should transmit data from down hole to surface in real time on continuous basis. The Surface unit should be complete with necessary computers, monitors, printers, plotters etc., and other equipment as necessary to execute the job.</p> <p>ii. One set of tools & equipment shall consist of surface unit, RSS, SDMM, directional MWD + Gamma Ray, Drilling jar with related directional tubular and accessories for drilling the 17.1/2" hole section (i.e. NMDC, UBHO, Float Sub, Cross-Over subs etc, as applicable) as per table in 3.3 above.</p>			

	<ul style="list-style-type: none"> iii. The Directional Drilling equipment will be put in operation from one well to another as per OIL's requirement. To ensure un-interrupted directional drilling activity considering logistical constraints in the North-Eastern part of India, the Contractor should bring sufficient quantity of back up tools, equipment and spares in addition to the primary set/quantity of tools as defined in table above. Servicing of tools will be allowed at no workload period only. iv. Services of Directional Drillers to operate RSS-SDMM and MWD Engineers are to be provided for execution of drilling program as per well plan of OIL. Minimum 02 (Two) directional driller and minimum 02 (Two) MWD Engineer are required to be provided always during operation at well site. v. 17. ½" section hole will be drilled by the Contractor as per approved OIL's well plan with the help of RSS-SDMM. Phase length of the section will be around 2000 M (MD) with displacement around 600m or more. vi. The RSS-SDMM and MWD equipment should be best in class tools of the Contractor that are to be engaged in the business. The complete system should be able to kick-off from vertical and should be efficient to drill high angle high displacement wells of sail angle 55°-85°. vii. The Gamma Ray should be combinable or an integrated part of the MWD tool system and should be compatible with other related equipment. 			
3.3.2	<p><u>TOOLS, EQUIPMENT & SERVICES FOR 12¼" HOLE SECTION:</u></p>			
	<ul style="list-style-type: none"> i. RSS-SDMM Tools are to be provided for drilling 12¼" hole having directional MWD and Gamma ray tool, annulus Pressure and Temperature tool with drilling jar in the system as a complete package. Resistivity, neutron-azimuthal Density with imaging and calliper for 12 ¼" hole are on call out basis. System should be capable of building, holding and dropping well angle and direction 			

	<p>as per well plan trajectory. However, in case of RSS it should be capable of simultaneously changing azimuth and inclination in rotary drilling mode. The MWD/LWD system should be based on positive/Continuous mud pulse telemetry system. It should transmit data from down hole to surface in real time on continuous basis. The Surface unit should be complete with necessary computers, monitors, printers, plotters etc., and other equipment as necessary to execute the job.</p> <p>ii. One set of tools & equipment shall consist of surface unit, RSS, SDMM, directional MWD + Gamma Ray, annulus Pressure & Temperature, Drilling jar with related directional tubular and accessories for drilling the 12.1/4" hole section (i.e. NMDC, UBHO, Float Sub, Cross-Over subs etc, as applicable) as per table in 3.3 above.</p> <p>Services of LWD tools – (resistivity, neutron- azimuthal Density with imaging and calliper) for 12. ¼" hole section will be on call out basis and will be asked to mobilize as per OIL's requirement.</p> <p>iii. The Directional Drilling equipment will be put in operation from one well to another as per OIL's requirement. To ensure un-interrupted directional drilling activity considering logistical constraints in the North-Eastern part of India, the Contractor should bring sufficient quantity of back up tools, equipment and spares in addition to the primary set/quantity of tools as defined in table above. Servicing of tools will be allowed at no workload period only.</p> <p>iv. Services of Directional Drillers to operate RSS-SDMM and MWD/LWD Engineers are to be provided for execution of drilling program as per well plan of OIL. Minimum 02 (Two) directional driller and minimum 02 (Two) MWD/LWD Engineer are required to be provided always during operation at well site.</p> <p>v. 12¼" hole section will be drilled by the Contractor with the help of RSS-SDMM in consultation with OIL. Phase length of the section will</p>			
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	<p>be around 2000 M (MD) with a total displacement of around 1500m or more at sectional TD.</p> <p>vi. The RSS-SDMM and MWD/LWD equipment should be best in class tools of the Contractor that are to be engaged in the business. The complete system should be able to kick-off from vertical and should be efficient to drill ERD/HDD wells of sail angle 55°-85°.</p> <p>vii. The Gamma Ray and Resistivity tools for 12¼" hole section should be combinable or an integrated part of the MWD/LWD tool system and should be compatible with other related equipment. The tools should have provision for real time data transmission as well as for recording of Data in memory mode. Data is also to be recorded while pulling out by back reaming/with pump-on whenever required. The tools should have a temperature rating of not less than 120° C, pressure rating of not less than 18000 psi and tool curvature of not less than 6.5°/100' (Rotary).</p> <p>viii. Annulus Pressure and Temperature Measurement tools: The Annulus Pressure and Temperature tools for 12¼" hole section should be combinable or an integrated part of the MWD/LWD tool system and should be compatible with other related equipment. The tools should have provision of real time data transmission and of recording in memory mode. The tools should work in temperature range of 120° C or more, pressure rating of 18,000psi or more and tool curvature of 6.5°/100' (Rotary) or better.</p>			
3.3.3	<p>TOOLS, EQUIPMENT & SERVICES FOR 8½" HOLE SECTION:</p>			
	<p>i. RSS-SDMM Tools are to be provided for drilling 8½" hole having directional MWD and Gamma ray tool, annulus Pressure and Temperature tool, Resistivity, neutron-azimuthal Density with imaging and calliper, drilling jar in the system as a complete package. Formation Pressure while Drilling (FPD) for 8½" hole section will be on call out basis. System should be capable of</p>			

	<p>building, holding and dropping well angle and direction as per well plan trajectory. However, in case of RSS it should be capable of simultaneously changing azimuth and inclination in rotary drilling mode. The MWD/LWD system should be based on positive/Continuous mud pulse telemetry system. It should transmit data from down hole to surface in real time on continuous basis. The Surface unit should be complete with necessary computers, monitors, printers, plotters etc., and other equipment as necessary to execute the job.</p> <p>ii) One set of tools & equipment shall consist of surface unit, RSS, SDMM, directional MWD + Gamma Ray, Drilling jar, resistivity, density-neutron porosity with imaging & caliper, annulus Pressure & Temperature tool and related directional tubular for drilling the 8 ½" hole Section (i.e. NMDC, UBHO, Float Sub, Cross-Over subs etc, as applicable) as per table in 3.3 above.</p> <p>Services of Formation Pressure while Drilling (FPD) for 8.½" hole section will be on call out basis and will be asked to mobilize as per OIL's requirement.</p> <p>iii) The Directional Drilling equipment will be put in operation from one well to another as per OIL's requirement. To ensure un-interrupted directional drilling activity considering logistical constraints in the North-Eastern part of India, the Contractor should bring sufficient quantity of back up tools, equipment and spares in addition to the primary set/quantity of tools as defined in table above. Servicing of tools will be allowed at no workload period only.</p> <p>iv) LWD Measurements: Resistivity, Gamma ray, density and neutron logging are required for 8½" hole size and should be combinable or an integrated part of the MWD/LWD tool system and should be compatible with other related equipment. The tools should have provision for real time data transmission as well as for recording of Data in memory mode. Data is also to be recorded while pulling out by back reaming/with pump-</p>			
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	<p>on whenever required. Tools should work with temperature of 120° C or more, Pressure rating: 18000 PSI or more, Tool curvature: 6.5° / 100' (Rotary) or better.</p> <p>The Memory Capacity for each downhole LWD tools should be able to sustain drilling activity for not less than 400 circulating hours at highest quality of data capturing.</p> <p>Resistivity Measurement:</p> <ol style="list-style-type: none">1. To be recorded in multiple frequencies and in multiple depth of investigations.2. Bore hole compensated phase & attenuation measurement systems with multiple depths of investigation.3. Resistivity measurement: 0.2 to 2000 Ohm-m.4. Invasion Profile with curve separation. <p>Azimuthal Density with Imaging and Neutron Porosity shall be as follows:</p> <ol style="list-style-type: none">a) Azimuthal Density Range = 1.8 to 2.8 gm/ccb) Pe = 1 to 10 unitsc) Neutron porosity = -6 to 54 P.U. or 0 to 60 P.U.d) Azimuthal density from four quadrant and images are to be provided as per the operational requirement with 16 BINS measurement and real time transmission at a rate of 4 BINS / 4 Sectors or more.e) Ultra Sonic/ Density derived Calliper Log to be provided.v) Annular Pressure and Temperature Measurement Tools: The Annulus Pressure and Temperature tools for 8.1/2" hole section should be combinable or an integrated part of the MWD/LWD tool			
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	<p>system and should be compatible with other related equipment. The tools should have provision of real time data transmission and of recording in memory mode. The tools should work in temperature range of 120° C or more, pressure rating of 18,000psi or more and tool curvature of 6.5°/100' (Rotary) or better.</p> <p>vi) Services of Directional Drillers to operate RSS-SDMM and MWD/LWD Engineers are to be provided for execution of drilling program as per well plan of OIL. Minimum 02(Two) directional driller and minimum 02(Two) MWD Engineer are required to be provided always during operation at well site.</p> <p>vii) 8.½” section hole will be drilled by the Contractor with the help of RSS-SDMM in consultation with OIL. Phase length of the section will be around 1500M (MD) with a total displacement of around 2000m or more at sectional TD.</p> <p>viii) The RSS-SDMM and MWD/LWD equipment should be best in class tools of the Contractor that are to be engaged in the business. The complete system should be able to kick-off from vertical and should be efficient to drill high angle high displacement wells of sail angle 55°-85°.</p>			
3.3.4	TOOLS, EQUIPMENT & SERVICES FOR 6" HOLE SECTION:			
	<p>i) RSS-SDMM Tools are to be provided for drilling 6” hole having directional MWD and Gamma ray tool, annulus Pressure and Temperature tool, Resistivity, neutron-azimuthal Density with imaging and calliper, drilling jar in the system as a complete package. Formation Pressure while Drilling (FPD) for 6” hole section will be on call out basis. System should be capable of building, holding and dropping well angle and direction as per well plan trajectory. However, in case of RSS it should be capable of simultaneously changing azimuth and inclination in rotary drilling mode. The MWD/LWD system should be based on</p>			

	<p>positive/Continuous mud pulse telemetry system. It should transmit data from down hole to surface in real time on continuous basis. The Surface unit should be complete with necessary computers, monitors, printers, plotters etc., and other equipment as necessary to execute the job.</p> <p>ii) One set of tools & equipment shall consist of surface unit, RSS, SDMM, directional MWD + Gamma Ray, Drilling jar, resistivity, density-neutron porosity with imaging & caliper, annulus Pressure & Temperature tool and related directional tubular for drilling the 6" hole Section (i.e. NMDC, UBHO, Float Sub, Cross-Over subs etc, as applicable) as per table in 3.3 above.</p> <p>Services of Formation Pressure while Drilling (FPD) for 6" hole section will be on call out basis and will be asked to mobilize as per OIL's requirement.</p> <p>iii) Services of Directional Drillers to operate RSS-SDMM and MWD/LWD Engineers are to be provided for execution of drilling program as per well plan of OIL. Minimum 02(Two) directional driller and minimum 02(Two) MWD Engineer are required to be provided always during operation at well site.</p> <p>iv) The Directional Drilling equipment will be put in operation from one well to another as per OIL's requirement. To ensure un-interrupted directional drilling activity considering logistical constraints in the North-Eastern part of India, the Contractor should bring sufficient quantity of back up tools, equipment and spares in addition to the primary set/quantity of tools as defined in table above. Servicing of tools will be allowed at no workload period only.</p>			
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	<p>v) 6" section hole will be drilled by the Contractor as per approved OIL's well plan with the help of RSS/SDMM. Phase length of the section will be around 800 M (MD) with a total displacement of around 2300m or more at sectional TD.</p> <p>vi) The RSS-SDMM and MWD/LWD equipment should be best in class tools of the Contractor that are to be engaged in the business.</p> <p>vii) LWD Measurements: Resistivity, Gamma ray, density and neutron logging are required for 6" hole size and should be combinable or an integrated part of the MWD/LWD tool system and should be compatible with other related equipment. The tools should have provision for real time data transmission as well as for recording of Data in memory mode. Data is also to be recorded while pulling out by back reaming/with pump-on whenever required. Tools should work with temperature of 120° C or more, Pressure rating: 18000 PSI or more, Tool curvature: 6.5° / 100' (Rotary) or better. The Memory Capacity for each downhole LWD tools should be able to sustain drilling activity for not less than 250 circulating hours at highest quality of data capturing.</p> <p>Resistivity Measurement:</p> <ol style="list-style-type: none"> 1. To be recorded in multiple frequencies and in multiple depth of investigations. 2. Bore hole compensated phase & attenuation measurement systems with multiple depths of investigation. 3. Resistivity measurement: 0.2 to 2000 Ohm-m. 4. Invasion Profile with curve separation. <p>Azimuthal Density with Imaging and Neutron Porosity shall be as follows:</p> <p>a) Azimuthal Density Range = 1.8 to 2.8 gm/cc</p>			
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	<p>b) $Pe = 1$ to 10 units</p> <p>c) Neutron porosity = -6 to 54 P.U. or 0 to 60 P.U.</p> <p>d) Azimuthal density from four quadrant and images are to be provided as per the operational requirement with 16 BINS measurement and real time transmission at a rate of 4 BINS / 4 Sectors or more.</p> <p>e) Ultra Sonic/ Density derived Calliper Log to be provided.</p> <p>viii) Annulus Pressure and Temperature Measurement tools: The Annulus Pressure and Temperature tools for 6" hole section should be combinable or an integrated part of the MWD/LWD tool system and should be compatible with other related equipment. The tools should have provision of real time data transmission and of recording in memory mode. The tools should have a temperature rating of not less than 120° C and pressure rating of not less than 18000 psi and tool curvature of not less than 6.5°/100' (Rotary).</p> <p>NOTE:</p> <p>i. Contractors to note that Company (OIL) at its discretion shall have the right to use the tool/tools independently as per the requirement of OIL of the service for a particular section at any point of time during the course of the contract, depending on its requirement as decided by Company.</p> <p>ii. Contractor to ensure that at least 1(one) back-up tool/Equipment in working condition is always available against the main tool/equipment. If, in the event of breakdown of any of the main tool(s)/equipment, it is found that back up tool(s)/equipment in working condition is not available, then Zero rate will be applicable immediately from the moment any tool(s)/equipment failure is detected in operation. Additionally, penalty @ 100% of Operating rate of the faulty tool(s)/equipment will be levied from the start of</p>			
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	<p>the waiting period at surface till the replacement/back up tool(s)/equipment is available at site.</p> <p>During the above-mentioned waiting period, the charges for MWD/LWD Surface unit will be reduced to zero rate till a backup tool is made available at site. However, if any other MWD/LWD tool could be run devoid of the faulty tool, only operating rate for the Surface unit will be paid during operating period of these tools.</p>			
4.0	<p>The contractor is required to comply with following specified requirements:</p> <ul style="list-style-type: none"> i) To provide all X-over subs required between Contractor's BHA to Company's drill string and any other X-over required for Contractors BHA is to be identified and furnished by the Contractor. Drill String available with "OIL" for Drilling in 17. ½", 12. ¼", 8. ½" and 6" hole sections are furnished in Annexure-I. ii) To provide the 5"/ 3.1/2" Drill Pipe Screen, backup tools/equipment with sufficient spares & consumables. iii) To provide 02 nos. of lifting subs each for different connections of contractors tools and provision for accommodating strainer against each size of NMDC for conducting Surface test. iv) To provide detailed specification of equipment/sensors along with catalogue and also all the features available in their MWD & LWD system. The Contractor should also indicate the limitations of their tools/sensors such as temperature, pressure and discharge limitations with ability to pump LCM materials in Mud Loss conditions through the tool and accordingly the equipment & sensor must perform. v) The Contractor shall keep fishing tools including spares required for Contractor's non-standard equipment/ tools, if any. vi) The minimum drift diameter of Hydro-Mechanical /Hydraulic Jar for 8.1/2" Hole should not be less than 2.1/2". 			

	<p>vii) To provide X-over from 6000 Psi to 15000 Psi fitting for H-Manifold.</p> <p>viii) Contractor must ensure that all surface equipment including Contractors' bunk houses must be as per safety guidelines.</p> <p>viii) Any bidder not quoting for all the services as per the Scope of work will be considered non responsive and their bids shall be rejected.</p>			
<p>5.0</p>	<p><u>DETAILS OF EQUIPMENT & SERVICES REQUIREMENT:</u></p> <p>The Contractor shall provide the following services:</p>			
<p>i)</p>	<p>Well Planning Services:</p> <p>OIL will design the well trajectory and share the same along with other data with the contractor. Contractor shall accept the plan prior to start of directional drilling. However, contractor may suggest anticipated Torque & Drag, hydraulics and anti-collision for such plan. If required, well plan may be re-viewed in consultation with the contractor to sort out any kind of well trajectory issues. In that case, the re-viewed plan must be accepted by the contractor. Thereafter, it shall be the responsibility of the Contractor to maintain the well profile of the hole as per plan till target depth of the particular section is reached.</p> <p>Contractor shall share Torque & Drag, Hydraulics, Anti-collision, proposed BHA for any particular hole section of a directional well during actual drilling with their latest directional software.</p> <p>Contractor shall submit end of Well Report after completion of the assigned Section/Well in hard as well soft copies (.pdf format).</p>			
<p>ii)</p>	<p>MWD equipment and Services:</p>			

	<p>a) The contractor shall provide complete set of MWD (Measurement While Drilling) System. MWD tools should be collar specific, i.e. for different collar sizes, outside diameter of sensors are different except of directional sensor. The bore must be empty with no probe except for the directional part. Mud must be able to pass through the inserts (i.e. Battery pack, Gamma pack, Electronics, etc.) at respective flow rates. MWD tools with same size of probe fixed mechanically (fixed collar/collar mounted) for different collar sizes are not to be considered as collar based tools. Probe based tools are not acceptable.</p> <p>b) MWD system should be based on positive/continuous pulse, mud telemetry for drilling (17. ½”, 12.¼”, 8.1/2” & 6”) hole as per requirement of OIL provided in the MWD specifications in Annexure-II, along with cross-over subs, Non Magnetic Drill Collars, Float Subs – if required with all sets of electronic packages, surface computers and other accessories required for continuous real time monitoring of tool face, inclination, direction (azimuth), Gamma and annulus pressure & temperature while drilling (17.½”, 12.¼”, 8.1/2” & 6”). Contractor will maintain sufficient back up tools & spares to meet contingent situation like Lost in Hole / Tool failure etc.</p> <p>c) Contractor shall provide Gamma Ray Tool compatible with the offered MWD system. Contractor shall provide the Company with Gamma Vs True Vertical Depth and Measured Well Depth. Contractor will maintain sufficient back up tools & spares to meet contingent situation like Lost in Hole/Tool failure etc.</p> <p>NOTE:</p> <p>1) Contractor shall provide RSS, SDMM, Directional tools based on positive mud pulse telemetry with MTBF (Mean-time Between Failure) exceeding 1000 hrs. Bidder to submit the MTBF certificate before mobilization. However, in case of brand new (Un-used) tools proposed to be deployed by the Contractor against this contract, the MTBF certificate is not required.</p>			
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	<p>2) All the MWD/LWD tools should be able to interface with each other and facilitate 2-way communication & integration of data and commands.</p> <p>3) Contractor to provide additional NMDC if required for MWD/LWD survey accuracy.</p>			
<p>iii)</p>	<p>SURFACE MWD/LWD UNIT:</p> <p>Surface MWD/ LWD unit with computers/printers accessories to record and print real time data with necessary transducers and connections to work with rig power supply 220 volts, 50 Hz. / 415V AC, 3 Phase, 3 wire AC as per requirement of OIL as stated in Annexure-XI (Contractor to fill up the Annexure). System should also have following features:</p> <ul style="list-style-type: none"> a) Record data like angle, azimuth and tool face and transmit it to surface with rig floor display. System should have features for dynamic tool face recording when drilling with motors. b) System should be able to record stand pipe pressure, weight on bit (if feasible), Rate of penetration and rotary RPM (if feasible) also with depth counter facility. c) Record bottom hole annulus pressure measurements, temperature, stick slip, shock and vibrations. d) Record resistivity, neutron porosity and display real time azimuthal density with imaging calliper. e) Record and print real time API Gamma & LWD measurement with measured depth. f) Record and print real time API Gamma & LWD measurement with TVD. <p>NOTE: The Work station should come with minimum 150 m of 3-Phase power cables for cluster locations. Contractors are required to give an Electrical Test Certificate for the Surface unit & Bunks</p>			

	prior to powering of the unit by OIL. Contractors to confirm to provide the same.			
iv)	<p>LWD Equipment along with Services for (12.¼”, 8.½” & 6” Hole):</p> <p>Contractor shall confirm to provide Resistivity Tool, Density-Porosity tool, Formation Pressure while Drilling tool compatible with the offered MWD. The surface system for Resistivity, Density-Porosity, Formation Pressure while Drilling and MWD with Gamma should be same. The Resistivity & Density-Porosity services will be used along with MWD for accuracy. Further, LWD may be used for recording real-time data in the other wells also as per OIL’s requirement and the service provider will be compensated as per the quoted rates. Contractor shall provide the Company with Resistivity, Gamma, Density-Porosity (including density images) Log Vs True Vertical Depth and Measured Well Depth for reservoir boundary identification. The Resistivity measurement shall be as per requirement of OIL provided in Annexure-VII. The Density-Porosity (including density images) shall be as per requirement of OIL provided in Annexure-IX. The Formation Pressure while Drilling tool shall be as per requirement of OIL provided in Annexure-X. Contractor will maintain sufficient back up tools & spares to meet contingent situation like Lost in Hole / Tool failure etc.</p> <p>NOTE: The MWD & LWD tools should be able to interface with Rotary Steerable System and facilitate 2-way communication & integration of data and commands.</p>			
v)	<p>SDMM equipment along with Services:</p> <p>The Contractor shall provide Steerable Downhole Positive Displacement Mud motors with all accessories e.g. stabilizers etc. as per Annexure-III for 17.½”, 12.¼”, 8.1/2” & 6” hole sizes. SDMMs should be high torque, low to medium speed & stabilized positive displacement steerable multi-lobe mud motor for high angle drilling.</p>			

	<p>The directional drillers are required to operate these motors and drill the hole as per plan trajectory. The motors should have API rotary shoulder connections with built-in/screw-on bearing Stabilizer housing & adjustable bent housing. SDMM should be suitable for build up rates & straight drilling in rotary mode. The steerable downhole mud motors should be with mud lubricated bearing/ Oil sealed bearing assembly and equipped with rotor catcher feature.</p> <p>Note: SDMM should be from any of the reputed manufacturers as given in the list under clause 7.0 only.</p>			
vi)	<p>Different sizes of String Stabilizer:</p> <ol style="list-style-type: none"> 1. Stabilizers for 17½” Hole section: 2 (two) nos. each of 17¼” and 17” string stabilizer with 6⅝” API Reg box-pin connection, 8” - 9⅝” OD fishing neck and 213/16”/3” ID. 2. Stabilizers for 12¼” Hole section: 2 (two) nos. each of 12” and 11¾” string stabilizer with 6⅝” API Reg box - pin connection, 7¾”/8”/8.1/4” OD fishing neck and 213/16”/3” ID. 1. Stabilizers for 8½” Hole section: 2 (two) nos. each of 8” and 7.3/4” string stabilizer with 4”IF/4½”IF box - pin connection, 6½”/6¾” OD fishing neck and 2.13/16”/3” ID. 4. Stabilizers for 6” Hole section : 2(two) nos. each of 5¾” and 5½” string stabilizer with 3½”IF box-pin connection, 4¾” OD fishing neck and 2¼” ID. <p>NOTE:</p> <ul style="list-style-type: none"> • All the above stabilizers must be 3/4 slight spiral blades of integral and sufficient blade length of double tapered at both leading and trailing ends. Stabilizers should have sufficient opening / annular clearance with taper blade on stabilizer body. • Above stabilizers may be used independently for making rotary assemblies for drilling/ cleanout trips in case of requirement. 			

	<ul style="list-style-type: none"> •The Service provider may decide to deploy additional sizes of stabilizers over and above the minimum required sizes based on operational requirement upon approval by OIL. 			
vii)	<p>Drilling Jars and Services:</p> <p>The Contractor shall provide Hydro-mechanical/Hydraulic Drilling jars to withstand the rugged abuse and demanding application with up/down stroke mechanism, minimum stroke length as per requirement of OIL provided in Annexure-IV, for (17½”, 12 ¼”, 8 ½” & 6” hole sizes).</p> <p>Note: Drilling Jars should be from any of the reputed manufacturers as given in the list under clause 7.0 only.</p>			
viii)	<p>ROTARY STEERABLE SYSTEM along with Services:</p> <p>The Contractor shall provide ROTARY STEERABLE SYSTEM with all accessories as per Annexure-VI for 17.½”, 12.¼”, 8.1/2” & 6” hole sizes. The directional drillers are required to operate the RSS and drill the hole as per Company’s approved well plan. The RSS should have API rotary shoulder connections. RSS should be capable of simultaneously changing azimuth and inclination in rotary drilling mode.</p> <p>Note: RSS should be from any of the reputed manufacturers as given in the list under clause 7.0 only.</p>			
ix)	<p>Real Time Data Monitoring Services:</p> <p>Real Time Data Monitoring Services at rig site as well as at Company’s base office in Duliajan for 24x7 monitoring of Directional Drilling Operation to be provided in desktop version. All logs of MWD/LWD tools and drilling mechanics , i.e., Gamma, Resistivity, ROP, Temp, ECD, Survey, RPM (if available), WOB (if feasible), SPP, Flow (if</p>			

	available), Hook load curve (if feasible) etc. should be available in the system. No additional charges will be payable for this service.			
x)	<p>Annulus Pressure Measurement : APWD should be Combinable or integrated part of MWD & Induction Resistivity tools. Separate rates are to be quoted in both cases. If integrated with induction tool then for APWD sensors charges should not be built in main tools. Contractor has to mention whether APWD is independent or integrated with resistivity/MWD tool. If integrated with resistivity/MWD, the CIF value of APWD portion only to be quoted in Proforma-A.</p> <p>Note: The Contractor shall provide Annulus Pressure and Temperature Measurement tools as per requirement of OIL provided in Annexure-VIII for 12.¼”, 8.1/2” & 6” hole sizes.</p>			
6.0	<p>KEY PERSONNEL :</p> <p>Bidder shall confirm to provide qualified and experienced personnel under the following categories for running the well operation of OIL on round the clock basis:</p> <p>i) Directional Driller: Minimum 2 (two) nos. per set. ii) MWD/LWD Engineer: Minimum 2 (two) nos. per set. iii) Base Co-ordinator: Minimum 1 (one) no.</p> <p>NOTE:</p> <p>a) Maximum age for Directional Driller, MWD/LWD Engineer and Base Co-ordinator should not exceed 56 years as on the original bid closing date of this Tender. b) The Directional Drillers and MWD/LWD Engineers should have an overall experience of at least 03 years for Graduate Engineer/Post Graduate in Geo-Science Discipline, or 04 years for Diploma Engineer in relevant field. d) Bidder has to submit an undertaking to provide the required experienced manpower in the prescribed format in Annexure – E.</p>			

	<p>The details of Personnel are given below:</p> <p>i) DIRECTIONAL DRILLER : Contractors should provide minimum 02 no. of qualified Directional Driller having minimum required years of relevant experience and have drilled at least 06 (six) no. of directional wells with RSS-SDMM to be deputed per set and will be working independently (12- hour shift) on a suitable ON/OFF day rotation basis at the Rig site. Directional Drillers should be able to execute the job of high angle-high displacement/side track wells or any other well from kick off to target on continuous basis. They should have complete knowledge of the job from planning to execution along with associated calculations and decision making so that they can perform the job independently. However, in case of operational problems, OIL's decision will be final. The Directional Drillers will work in close liaison with OIL Engineers on the Rig/base. They should be fluent in speaking and writing English language. Directional drillers should be conversant with the job assigned and should have complete knowledge of the tools. Directional drillers of the Contractor shall assist OIL technically during round trip and clean out trips after completion of sectional TD. However, OIL reserves the right to modify its requirement of on-site Directional Drillers anytime. NOTE: Particulars of directional driller must be submitted in the format Annexure-XIII to OIL for approval prior to deployment at wellsite.</p> <p>(ii) MWD/ LWD ENGINEER : Contractors to provide minimum 02 no. of qualified and experienced MWD/ LWD Engineers having minimum required years of relevant field experience and have drilled at least 06 (six) no. of directional wells to be deputed per set and will be working independently (12-hour shift) on a suitable ON/OFF day rotation basis at the Rig site.</p>			
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	<p>The engineers must be fluent in written and spoken English. The MWD/LWD Engineers will be responsible including but not limited to the following:</p> <ul style="list-style-type: none">a) Prepare Logging plan and program, timely delivery of quality data logs, LAS, DLIS as per SOW. OIL reserves the right to use the resistivity tool in the sail angle or pilot hole option also.b) Run, maintain and manage the MWD/LWD tools and unit.c) Prepare daily reports of major real time observations and annotation of markers as defined by Company Geologist. <p>Note: Particulars of MWD/LWD engineers must be submitted in the format Annexure-XIII to OIL for approval prior to deployment at wellsite.</p> <p>(iii) BASE COORDINATOR :</p> <p>The Contractor shall depute an experienced Base Coordinator at the Company's base in Duliajan, having minimum 5 (five) years of relevant field experience in Directional Drilling for the entire duration of the Contract for smooth execution of the project. The personnel should have good knowledge of the tools, equipment and services being offered by the Contractor and should visit the Company's office regularly. The Base Manager should be capable of instructing the field Directional Drilling/ MWD-LWD teams on drilling operations in a practical drilling environment. Suitable replacement should be provided if he is absent for more than 3 (three) days. Base coordinator shall be well informed about status of contractor's equipment and any other subject relevant to agreement of the Contract. Company may seek for replacement in short notice if any deficiency is observed on his part. The Base Coordinator shall be responsible including but not limited to the following:</p> <ul style="list-style-type: none">i) Supervise and coordinate all operations throughout the duration of the Contract.ii) Interact with Company's Drilling Engineers and Geo-Scientist.			
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	<p>iii) Conceptualize subsurface objectives and issues.</p> <p>iv) Conversant in Drilling Engineering and Directional well planning areas and act as an effective interface with the broader drilling discipline.</p> <p>v) Responsible for Logistics management of tools, equipment, materials and personnel related to the Contract, including customs and immigration clearance, transport and inspection.</p> <p>vi) Responsible for keeping Contractor's tools and equipment in good working condition with regular maintenance with the help of his other office/ repair facilities.</p> <p>vii) Administration of the Contractor's day to day affairs under the Contract.</p> <p>viii) Responsible for preparing, checking and submitting the invoices to the Company.</p> <p>ix) Shall be available for consultation at all times for the entire duration of the contract period.</p> <p>Note:</p> <p>Base coordinator shall be nominated with CV in the format Annexure-XIII for approval from OIL before commencement of contract and subsequent replacement shall be informed in advance. Any temporary replacement against Base Coordinator should also have the same experience as of the Base Coordinator and CV of that personnel should be approved from the Company prior to deployment.</p> <p>SPECIFIC POINTS FOR PERSONNEL :</p> <p>a) Company reserves the right to instruct for removal of any Contractor's personnel who in the opinion of Company is technically not competent or not rendering the services faithfully, or due to other reasons. The replacement of such personnel will also be fully at cost of the Contractor and the Contractor shall have to replace this/these personnel within Ten (10) days of such instruction. The replacement personnel must have the requisite qualification and experience as indicated in the contract and</p>			
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	<p>their credentials along with recent photographs must be submitted to Company for approval prior to their engagement.</p> <p>b) All charges for personnel are included in Tool Operating & Stand by charges. No separate charges shall be payable for the personnel being deployed.</p> <p>c) The Contractor will have to submit the Bio-Data of personnel proposed to be deployed for all the services mentioned under scope of work prior to deployment for OIL's approval. The following documents should accompany the Bio Data for approval:</p> <ul style="list-style-type: none">• Educational Qualification certificate• Service Tickets of prior deployment with signature of Operator to be provided (if available).• Proof of work experience for 03/04 years, as applicable (salary slip/appointment letter/Release letter/Experience certificate etc)• Valid Police Verification certificate• Insurance documents as per applicable clause• Form "O"• Any other documents as per contract clauses <p>d) MWD/LWD Engineers, Directional Drillers and Base Coordinator should be an employee/consultant appointed by the Contractor. Necessary documents in this regard to be submitted prior to deployment for OIL's approval. In case, the personnel is newly recruited in the organisation, necessary documents including appointment letters supporting the previous experience criteria should have to be submitted for approval. In case, the personnel is newly recruited in the organisation, at least 02(Two) no. of personnel reference with email id, Mobile no. etc. of the previous employer to be provided in the CV for his previous experience.</p>			
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	<p>e) MWD/LWD engineers should have the competency for handling and supervision of radioactive tools.</p> <p>f) In case of non-availability of Directional Driller or MWD/LWD engineer during operation, penalty will be levied at the rate of 10% of the Operating Day rate of the RSS for the respective section (for each non-available person) till suitable replacement duly approved by Oil India Ltd. arrives.</p> <p>In case of non-availability of Base Coordinator during operation, there will be no deduction for 03 days against prior approval. Beyond 03 days, penalty will be levied at the rate of 10% of the Operating Day rate of the RSS- whichever is higher of all the four sections till suitable replacement duly approved by Oil India Ltd. arrives.</p> <p>ORGANISATIONAL STRUCTURE:</p> <p>Contractor shall provide the organizational structure for executing the project. Composition of the team & number of personnel will be reviewed by OIL and modified as per requirement.</p>			
7.0	<p>Approved list for Tools / Equipment & Services:</p> <p>The Contractor should provide Tools / Equipment & Services (mentioned above) from the approved list as shown in the table below:</p> <p><u>APPROVED LIST:</u></p> <p>A. Mud Motor:</p> <ul style="list-style-type: none"> i) Schlumberger ii) Halliburton iii) Weatherford iv) Baker Hughes 			

	<p>v) National Oilwell Varco</p> <p>B. RSS:</p> <p>i) Schlumberger ii) Halliburton iii) Weatherford iv) Baker Hughes</p> <p>C. Drilling Jar:</p> <p>i) Houston Engineers ii) Weatherford iii) National Oilwell Varco iv) Bowen v) Schlumberger vi) OSCL vii) Halliburton viii) ITS ix) Any other OIL approved manufacturer for the approved size</p> <p>NOTE: During the currency of the contract, in the event of obsolescence, technological upgradation, or availability issues beyond the contractor’s control, the contractor may provide alternate tools and equipment not originally proposed in the bid, provided they conform to the make and specifications (same or superior) as stipulated in the contract and are supplied under the same rates, terms and conditions.</p>			
<p>8.0</p>	<p>HIRING OF ADDITIONAL SETS OF TOOLS/EQUIPMENT & SERVICES:</p> <p>During the currency of the contract OIL may decide to hire additional set/sets of tools and equipment including personnel as per</p>			

	<p>requirement under the same terms and conditions stipulated in this tender/ contract with mutually agreed rates, but with a rate not higher than the originally quoted rate. Under such condition, successful Bidder will be bound to provide the desired services.</p> <p>Mobilization of additional set/sets of tools and equipment including personnel will be as per "Special Conditions of Contract" in Section - III, Clause No. 2.0.</p> <p>Liquidated Damages for default in timely mobilization of additional set/sets of tools and equipment including personnel will be as per "Special Conditions of Contract" in Section - III, Clause No. 5.0.</p>			
9.0	<p>Projection Parameters: Reference spheroid for local projection = WGS 84 Projection system: Lambert Tangential.</p>			
10.0	<p><u>MUD ENGINEERING SERVICES:</u> The contractor to provide the following services during the contract period with OIL.</p>			
10.1	<p>MUD SERVICES: Mud engineering services will be required from contractor in drilling the well from Kick-off point or as per the requirement of OIL either from 12.25” Hole size / 8.5” Hole size. Mud engineering services for top vertical section shall be done by Oil India Limited (OIL). The contractor is required to provide Mud Engineering services in totality during the drilling of the wells in 12.25”, 8.5” and 6” section on advice of OIL.</p> <p>Note: 1.0 The Contractor should be able to provide Mud Engineering Services in two Drilling wells simultaneously as per the requirement of OIL under this Contract. 2.0 OIL at its discretion may use the Mud Engineering service independent of the Directional Drilling Services or vice versa as per the requirement.</p>			
10.2	<p><u>SCOPE OF WORK:</u></p>			

	<p>The Contractor is required to provide mud engineering service in totality. The scope of work includes but not limited to,</p> <ul style="list-style-type: none"> • Mud Engineering service • Designing and formulation of mud program. • Supply of all mud chemicals and additives except those provided by OIL. • Relevant technical back-up support of software and laboratory studies. • Centrifuge Services. Detailed specifications as spelt out under clause no. 10.3 <p>Contractor to provide Mud engineering services with following key personnel:</p> <p>❖ Mud Engineer: Contractor will provide minimum 02 no. on-site mud engineers on 12-hour shift basis. The engineers will be required to work on a suitable ON/OFF-day rotation. OIL reserves the right to modify its requirement of on-site mud engineers anytime.</p> <p>Mud engineers should have adequate appropriate knowledge in working with the contractor’s materials, equipment and procedures for the services provided by the contractor. Both the mud engineers should have a minimum of 5 years relevant experience & should have performed mud engineering on at least 5 wells with similar mud systems.</p> <p>The Mud Engineers should hold bachelor’s degree in science with Chemistry as one of the subject or B.E/ B. Tech from any recognized university.</p> <p>Both on –site mud engineers should be able to read, write and speak in English fluently.</p> <p>The Mud Engineers should be in sound health and fit to work in different Environment. The maximum age of the Mud Engineers</p>			
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	<p>should not be more than 56 years as on the original bid closing date of this Tender.</p> <p>The on-site mud engineers will communicate their work plan with OIL Chemist/Drilling Engineer/Installation Manager/Company Man at site and ensure all operations and activities are conducted in compliance with OIL's well program.</p> <p>The on-site mud engineers will be competent to take suitable measures during borehole instability, mud loss, stuck up or any other borehole complications.</p> <p>The on-site mud engineers shall be fully conversant with the QA/QC procedures in accordance with contractor's policies.</p> <p>The on-site mud engineers will provide OIL with daily mud reports as per IADC format incorporating drilling operations, complete mud parameters, volume of mud prepared and consumed, operation of solid control equipment and consumption of additives and chemicals.</p> <p>The contractor will have to submit personnel resume in respect of all the on-site mud engineers for OIL approval prior to start of operation along with other supporting documents.</p> <p>Suitable substitution/replacement of any mud engineer of the contractor due to any valid reasons will be with prior approval of OIL.</p> <p>Contractor is to furnish a list of Mud engineers (at least 04 personnel) and their bio-data for prior approval by the Company.</p> <p>The mud engineer should have adequate knowledge in working with Contractor's materials, equipment and procedures for the services</p>			
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	<p>provided by the contractor.</p> <p>The mud engineer should be competent enough/should have sufficient experience in solving down hole complications including but not limited to cement contamination, mud loss, stuck pipe, caving, high pressure kick etc.</p> <p>Note: Bidder has to submit an undertaking to provide the required experienced manpower in the prescribed format in Annexure – EE.</p>			
10.3	<p>CERTRIFUGE SERVICES:</p> <p>Operation / maintenance of Centrifuge shall be provided by the Contractor along with the power requirement and motor HP for running this facility. OIL will provide electrical power having specification of 415V, 3-Phase, 50Hz without Neutral. All Electrical equipment such as Motor, Starter, Remote push button switch, Junction box, Plug-Socket, Cable glands etc. used with the Centrifuge unit and not placed at safe distance, shall be suitable for use in oilfield hazardous area of Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standard. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEX accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.110].</p> <p>OIL will only provide necessary assistance of Crane Services for installation (rig-up) of Centrifuge and Dismantling (rig-down) of same in each location. However, the Contractor will have sole responsibility for operation & maintenance of the Centrifuge.</p> <p>The Contractor shall provide/ bring necessary platform for mounting the Centrifuge along with all required pipings.</p>			

	<p style="text-align: center;"><u>SPECIFICATION OF CENTRIFUGE</u></p> <p>MAKE: Brandt - NOV / MI- Swaco / CSI(Centrisys) / Halliburton / Derrick / Kemtron</p> <p>MODEL: As per the above manufacturer</p> <p>DESCRIPTION: High Speed Decanter with Variable Speed Hydraulic Drive / VFD (The centrifuge package should include all control and accessories)</p> <p>Capacity: 185 GPM</p> <p>Progressive Cavity Pump</p> <p>Motor H.P for running Centrifuge: 60</p> <p>Motor H.P for running Feed Pump: Should be capable of meeting 185 gpm flow rate criteria</p> <p>Centrifugal “G” force: 1900 or higher</p> <p>❖ Centrifuge Operator: Contractor will provide minimum 02 no. experienced on-site Centrifuge operators on 12-hour shift basis. The operators will be required to work on a suitable ON/OFF-day rotation. OIL reserves the right to modify its requirement of on-site Centrifuge operators anytime during the currency of the Contract.</p> <p>The Centrifuge Operators qualification should be HS/ITI/or equivalent and should have minimum of 3 years experience of operation & maintenance of centrifuge in drilling rigs.</p> <p>Note:</p> <p>1. Personnel resume of mud engineer should specifically include but not limited to: Length of experience in drilling wells, Area/ field where and for whom worked, Type of mud systems worked with, experience in solving down hole problems. Personnel resume of Centrifuge Operators should include Length of experience in drilling rigs, for whom worked etc.</p>			
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	<p>2. In case of non-availability of Mud Engineer during operation, penalty will be levied at the rate of 10% of the Operating Day rate of the RSS- whichever is higher of all the four sections (for each non-available person) till suitable replacement duly approved by Oil India Ltd. arrives.</p> <p>In case of non-availability of Centrifuge operator during operation, penalty will be levied at the rate of 10% of the Operating Day rate of the Centrifuge (for each non-available person) till suitable replacement duly approved by Oil India Ltd. arrives.</p> <p>3. Mud Engineer/Centrifuge can be mobilized/demobilized independently.</p> <p>4. The Contractor should be able to provide 02 nos of Centrifuges in two Drilling wells simultaneously as per the requirement of OIL.</p> <p>5. Particulars of Mud Engineers & Centrifuge Operators must be submitted in the format Annexure-XIII to OIL for approval prior to deployment at wellsite.</p>			
10.4	<p>MUD AND MATERIAL MANAGEMENT SERVICES:</p> <p>Contractor will provide the following services but not limited to:</p> <p>i) The Contractor shall supply all special chemicals/additives conforming to relevant API / BIS/ OIL specifications required for drilling of 12 ¼”, 8.1/2” and 6” hole section. The contractor shall maintain adequate stock of all chemicals at their Duliajan warehouse as per Annexure-XV. Mobilization of Chemicals will be considered to be completed when Chemicals under the contract will be mobilized to their Duliajan warehouse as per Annexure-XVI. Contractor to ensure timely supply as per operational requirement of the well. However, the payment will be made on actual consumption basis duly certified by OIL chemist/company representative. OIL will provide temporary storage space at site to store chemicals brought in by the contractor. Housekeeping / maintenance of the storage space allotted to Contractor for storing Contractor’s chemicals at well site is solely contractor’s responsibility.</p>			

	<p>Contractor must feed the requisite chemicals in optimum quantity to Rig site through their own arrangement/expenses by engaging trucks to ensure un-interrupted drilling up to the well completion stage. Considering the limited storage facility at Rig site as stated above, Contractor must select their supply base/main warehouse/bulk storage facility in the vicinity of OIL's operational area and make all necessary arrangements for continuous supply of chemicals, Mud testing equipment, tools and spares etc. so that the materials can be delivered to drilling locations within short notice without fail.</p> <ul style="list-style-type: none">ii) During the preparation / maintenance of the mud system, addition of their chemicals to the mud system is to be done under the supervision of the contractor.iii) Contractor has to supply statutory safety gears for their employees.iv) The contractor shall provide product datasheet for each chemical including but not limited to brand name, unit of packing, specification and Material Safety Data Sheet (MSDS). <p>The certificate of analysis of each chemical should reflect the relevant parameters of that particular additive and indicate its performance.</p> <ul style="list-style-type: none">v) Contractor has to take back the left-over chemicals, if any after completion of the project/expiry of the contract.vi) Since the mud system will be used in environmentally sensitive areas, the chemicals supplied by the contractor shall be biodegradable, eco-friendly and within tolerable toxicity limit.vii) During the Mud Engineering service, if any foul smell emanates in the mud system due to addition of any of the additives,			
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	<p>contractors will be solely responsible for immediate replacement of the chemicals / additives and additionally necessary corrective measures should be taken by the Contractor to control the smell as per standard practices. Service provider has to ensure that the replaced chemicals supplied are of equivalent / better make or quality and this should be done without any operational interruption.</p> <p>viii) Inter location movement of contractor's personnel, accommodation bunk , lab equipment & Chemicals will be Contractor's responsibility. However, OIL will provide the Crane service for loading/offloading of materials, as per requirement.</p> <p>ix) Specification of Some Chemicals</p> <p>Contractor has to maintain as per API/BIS/ OIL specification for all chemicals. However, for better understanding of the standard of quality control measures to be followed during the course of operation, technical specification of some important chemicals is given below:</p> <p>A. BENTONITE: Specification:</p> <ol style="list-style-type: none">1. Physical Properties: The material as received should be in the form of fine light to greyish yellow buff or cream colored powder, free from dirt and foreign matter.2. Moisture Content, measured by: 12.00 drying at 105 +/- 2DegC to constant weight, % by mass, maximum.3. Sand Content, % by mass, max.: 2.00(retention on 200 B.S.S. mesh sieve or equivalent, by wet method).			
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	<p>4. Dry Screen Analysis, % by: 98.00 mass, min. (passing through 100 B.S.S. mesh or equivalent by dry method).</p> <p>5. Performance Test: Prepare a Bentonite suspension by mixing 7.5 gms of Bentonite per 100 ml distilled water. Stir the suspension in a multimixer for 15 minutes so that no lumps are left in the suspension after the stirring period. Age the suspension for 24hrs at 26 +/- 2 deg C. After lapse of the aging period, stir the suspension for 15 minutes in a multimixer and then determine apparent viscosity, plastic viscosity and API fluid loss of the suspension at 26 +/- 2 deg C which should be as follows.</p> <p>(i) Apparent viscosity, cp, min. : 15 (ii) Plastic viscosity, cp, min. : 6 (iii) API fluid loss, ml, maximum : 20</p> <p>6. Packing: The material should be packed in new HDPE bags or moisture proof polythene lined (100 gauge) D.W. jute bags (9 oz) strong enough to withstand rigorous of transit and storage. Capacity 50 Kgs. net per bag.</p> <p>7. Markings: Each bag should have clear legible markings as given bellow:</p> <p>i) Name of the product. ii) Name of the supplier/manufacturer. iii) Date/Month/Year of manufacture.</p> <p>B. BARYTES:</p> <p>Specification:</p> <p>1. Physical Properties: The material as received shall be white/light greyish white/light pinkish white free flowing powder, free from dirt and foreign matter.</p>			
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	<p>2. Specific Gravity of material: 4.15 as received, at 26 +/- 2 deg C minimum.</p> <p>3. Fineness: (a) Wet Screen Analysis - Passing through 75 micron sieve, (ISS 6/BSS 200/ASTM 200), %by mass, minimum: 97.00 (b) Passing through 53 micron sieve, (ISS 5/ BSS 300/ASTM 270, % by mass: 90 +/-5</p> <p>4. Insoluble Minus Silica % by mass, minimum.: 90.00</p> <p>5. Water Soluble Content: 0.02% by mass, maximum.</p> <p>6. Performance Test: Prepare a Bentonite suspension by mixing 7.5 gm of OIL / API approved Bentonite per 100 ml distilled water, Stir the suspension in a multimixer for 15 minutes so that no lumps are left in the suspension after the stirring period. Age the suspension for 24 hrs at 26 +/- 2 deg C. After the lapse of the aging period, adjust the apparent viscosity of the suspension in the range of 15-20 cps with distilled water if necessary. Load the suspension with the Barytes sample as received, to 1.60 sp. gravity weight and stir in multimixer for 10 minutes. Measure apparent viscosity of mud so prepared at 26 +/- 2 deg C.</p> <p>This should be as follows. Apparent Viscosity, cp, maximum: 60. N.B. Apparent viscosity to be measured by a Fann VG meter.</p> <p>7. Packing: The material should be packed in brand new Double-Walled (DW) jute bags with single polythene lining or brand new HDPE bags strong enough to with stand rigorous of transit and storage. Capacity: 50 Kilogram (new) per bag.</p>			
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	<p>8. Markings: Each bag should have clear legible markings as given below:</p> <ul style="list-style-type: none">i) Name of the product.ii) Name of the supplier/manufacturer.iii) Date/Month/Year of manufacture. <p>C. SODIUM HYDROXIDE (Caustic Soda)</p> <p>Specification:</p> <ol style="list-style-type: none">1. Physical properties: The material, as received, should be in the form of flakes and should be free from dirt and foreign matter.2. Purity as NaOH, as received, 95.00 % by mass, minimum.3. Packing: The material should be packed in moisture proof HDPE bag with an insert of 300 gauge polythene bag and strong enough to with stand rigors of transit and storage.4. The material should be supplied in the original packing of manufacturer. Capacity 25 kgs / 50 kgs net per bag.5. Marking: Each bag should have clear legible markings as given below:<ul style="list-style-type: none">i) Name of the product.ii) Name of the supplier.iii) Date/month/year of manufacture.iv) Supply order number against which the supply is made. <p>D. ENCAPSULATING POLYMER (PHPA - Partially Hydrolysed Polyacryl Amide)</p>			
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	<p>Specification:</p> <ol style="list-style-type: none">1. Physical Properties: The material, as received, should be a free-flowing white powder free from lumps and other impurities.2. Moisture Content, measured by drying at 105 +/- 2 deg C, % by mass, maximum: 7.00 3. Ionic character: Anionic 4. Relative CST value (capillary suction test)<ol style="list-style-type: none">(i) At 0.1% (w/v) polymer conc., min: 100(ii) At 0.2% (w/v) polymer conc., min: 200 5. Relative dispersibility at 0.2% (w/v) polymer conc. at 60 +/- 5 deg C., max.: 175 6. Degree of hydrolysis: 20-40% (electrometric titration) 7. Apparent viscosity of 0.2% (w/v) polymer solution in distilled water.<ol style="list-style-type: none">(i) At 26 +/- 2 deg C, cp, and minimum: 9(ii) After aging at 110 deg C for 18 hrs.: Should not decrease more than 20% of (i) 8. Effect on 4 cp bentonite suspension: Prepare a 7.5% (w/v) bentonite suspension in distilled water and stir in a multimixer for 15 minutes so that no lumps are left after the stirring period. Age the suspension at 26 +/- 2 deg C for 24 hrs. Prepare a 4 cp bentonite suspension from it by dilution with distilled water. Add to it 0.2% (w/v) of powdered PHPA sample and stir for 30 minutes in multimixer. Adjust pH of the suspension to 9.0 using caustic soda solution. Measure apparent viscosity at 26 +/- 2 deg C.			
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	<p>(i) Apparent viscosity should be 15 cp minimum Age the suspension at 110 deg C for 24 hrs in rolling condition. After the ageing period cool and stir for 15 minutes in multimixer. Measure apparent viscosity of the suspension at 26 +/- 2 deg C.</p> <p>(ii) Decrease of apparent viscosity 20% max. of 8(i).</p> <p>9. Calcium tolerance: Prepare a 0.4% (w/v) suspension of the PHPA sample in distilled water by stirring in a multimixer for 15 min.</p> <p>(i) Record apparent viscosity of the PHPA solution. Prepare again a 0.4% (w/v) suspension of the PHPA sample in 100 ppm Calcium solution by mixing in a multimixer. Measure apparent viscosity of the solution.</p> <p>(ii) Apparent viscosity should be 60% minimum of 9(i)</p> <p>10. Packing:</p> <p>(i) The material should be packed in multiwall paper bags with at least two innermost layers suitably water proofed, strong enough to with stand rigours of transit and storage. Capacity 25 kgs net per bag.</p> <p>(ii) PELLETIZATION:-If supply is from foreign source, the supply should be in suitably pelletized forms.</p> <p>11. Markings - Each bag should have clear legible markings as given below :</p> <ul style="list-style-type: none">(i) Name of the product(ii) Name of the supplier(iii) Date/month/year of manufacture(iv) Supply order number against which the supply is made.			
E.	"POLYANIONIC CELLULOSE REGULAR GRADE (PAC-R)"			

	<p>Specification:</p> <p>1. Physical Properties: The material, as received, should be a free flowing white to creamish / brownish white powder free from foreign matter and visible impurities.</p> <p>2. Moisture Content at 105 +/- 2 Deg C, % by mass, maximum: 15.00.</p> <p>3. Apparent viscosity of 1.0 % (w/v) suspension of the material as received in fresh water and 4 % salt water, Prepare a 1 % (w/v) suspension of the sample by stirring in multimixer for 30 minutes in distilled water and 4 % salt water (prepared by dissolving 4 gms of LR grade NaCl in 100 ml distilled water) and measure apparent viscosity at 26 +/- 2 Deg C by Fann VG meter.</p> <p>(i) Apparent viscosity in fresh water, cp : 75-100 (ii) Apparent viscosity in salt water, cp : 65-85</p> <p>4. Yield of 15 cp Apparent viscosity suspension: Prepare a 15 cp apparent viscosity suspension of the sample by stirring in a multimixer for 30 minutes in distilled water and 4 % salt water (prepared by dissolving 4 gms of LR grade NaCl in 100ml distilled water) and calculate the yield of the sample which should be as follows:</p> <p>(i) Yield in distilled water, KL/MT, min.: 250 (ii) Yield in 4 % salt water KL/MT, min.: 200</p> <p>5. Sodium Carboxy Methyl Cellulose Content, % by mass (dry basis) min: 85.00.</p> <p>6. Degree of Substitution, minimum: 1.00</p> <p>7. Performance Test:</p>			
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	<p>A. In Fresh Water mud.</p> <p>(i) Preparation of base mud:</p> <p>Prepare a 10 % (w/v) suspension of OIL approved bentonite in distilled water and stir the suspension for 15 minutes in a multimixer so that no lumps are left after the stirring period. Age the bentonite suspension for 72 Hrs. at 90 +/- 2 Deg C. After the lapse of the aging period, cool and adjust apparent viscosity in the range 15-20 cp with distilled water. Also adjust pH in the range 9.0-9.5 with 10 % NaOH solution, if necessary. Stir the suspension for 15 minutes in multimixer and determine apparent viscosity, yield value and API fluid loss of the suspension at 26 +/- 2 Deg C which should be as follows:</p> <ul style="list-style-type: none">(a) Apparent viscosity, cp: 15 - 20 cp.(b) Yield value, lbs/100 ftsq: To determine(c) API fluid loss, ml: To determine <p>(ii) Preparation of treated mud:</p> <p>Treat the base 7A(i) with 0.5% polyanionic cellulose (R) sample. Stir in a multimixer for 30 minutes and divide the mud into two parts.</p> <p>Performance at 26 +/- 2 DegC. :</p> <p>Measure apparent viscosity, yield value and API fluid loss of one part of treated mud 7A (ii) at 26 +/- 2 DegC which should be as follows.</p> <ul style="list-style-type: none">(a) Apparent viscosity, cp minimum: 4 times of 7A (i,a)(b)Yield value, lb/100 ftsq. minimum: 4 times of 7A (i,b)(c) API fluid loss, ml maximum: 40 % of 7A (i,c)			
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	<p>Performance at 120 +/- 2 DegC.:</p> <p>Age second part of treated mud 7A (ii) at 120 +/- 2 DegC in rolling condition for 24 hrs. After aging, cool to 26 +/- 2DegC and stir in a multimixer for 15 minutes and determine apparent viscosity,</p> <p>Yield value and API fluid loss of the mud at 26 +/- 2 Deg C which should be as follows:</p> <ul style="list-style-type: none">(i) Apparent viscosity, cp minimum. : 3 times of 7A (i,a)(ii) Yield value, lb/100 sq.ft minimum. : 3 times of 7A (i,b)(iii) API fluid loss, ml, maximum. : 40 % of 7A (i,c) <p>B. In Salt Water Mud:</p> <p>(i) Preparation of base mud:</p> <p>Prepare 10 % (w/v) bentonite suspension of OIL approved bentonite in distilled water and stir the suspension for 15 minutes in a multimixer so that no lumps are left after the stirring period. Age the suspension for 72 hrs at 90 +/- 2 Deg C After the lapse of aging period, cool and add 4% (w/v) NaCl (LR grade) and age for 24 hrs. at 26 +/- 2 Deg C. Dilute the suspension with 4 % Nacl solution and adjust apparent viscosity in the range 15-20 cp. Adjust pH in the range 9.0-9.5 with 10 % NaOH solution if necessary. Determine apparent viscosity, yield value and API fluid loss of the suspension at 26 +/- 2 Deg C which should be as follows:</p> <ul style="list-style-type: none">(a) Apparent viscosity, cp: 15 - 20(b) Yield value, lbs/100 ftsq. : To determine(c) API fluid loss, ml: To determine			
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	<p>Treat the base mud prepared as per the 7B(i) with 0.5%(w/v) polyanionic cellulose (R) sample and stir in a multi-mixer for 30 minutes.</p> <p>Performance at 26 +/- 2 Deg C.</p> <p>Determine apparent viscosity, yield value and API fluid loss of mud 7B (ii) above at 26 +/- 2 Deg C which should be as follows:</p> <ul style="list-style-type: none">(a) Apparent viscosity, cp minimum: 2 times of 7B (i,a)(b) Yield value, lb/100 ftsq minimum: 1.5 times of 7B(i,b)(c) API fluid loss, ml maximum: 15 % of 7B(i,c) <p>8. Packing:</p> <p>(i) The material should be packed in multi-walled paper bags with at least two innermost layers suitably water-proofed, strong enough to withstand rigours of transit and storage. The material should be supplied in the original packing of the manufacture. Capacity 25 Kg net per bag.</p> <p>(ii) PELLETIZATION: If supply is from foreign source, the supply should be in suitably pelletized forms.</p> <p>9. Marking: Each bag should have clearly legible markings as given below:</p> <ul style="list-style-type: none">(i) Name of the product.(ii) Name of the supplier / manufacturer.(iii) Date/Month/Year of manufacture.(iv) Supply order number against the supply made. <p>N.B: 1) Apparent viscosity and yield point shall be determined in a Fann VG meter and fluid loss by standard API low</p>			
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	<p>pressure fluid loss apparatus using compressed air or nitrogen as the pressure source. 2) The Supplied Materials must meet OIL's specifications in all respect.</p> <p>F. HP EP MUD LUBRICANT (HP EP)</p> <ol style="list-style-type: none"> 1. Physical State: The material shall be a free-flowing liquid at 24±2 deg C, free from visible impurities. 2. Lubricity coefficient of the treated NDDF: Composition: Distilled water + KCl 5 % (Mixing time 5 min) + Biocide-1000 ppm (Mixing time 5 min) + Xanthan Gum -0.45% w/v (Mixing time 20 min) + Pre-gelatinised Starch -3 % (w/v) (Mixing time 10 min) + Micronised Calcium carbonate – 6% (w/v) (Mixing time 10 min) : pH- 8.5-9.0 + add 2.0% w/v of the material, stir in a Hamilton Beach Mixer for 10 min by using lubricity tester.: 0.10 (Max) 3. Extreme pressure film strength at 300 inch/lb load and 1000 RPM of the treated NDDF, psi 12000 (Minimum) 4. Lubricity coefficient after hot rolled: (100±2 deg C, 16 hrs) treated 2.0% (w/v), NDDF Should not be more than 0.02 unit of the value at SL No. 2 5. Film strength of the hot rolled (100 ± 2 deg C, 16 hrs) treated 2.0% (w/v), NDDF Film strength of the treated NDDF should be not less than 25000 psi 6. Foam test: Specific Gravity of the treated fresh water mud 0.8 (minimum) <p>G. XC POLYMER- DISPERSIBLE (XCD)</p> <p>Specification:</p> <ol style="list-style-type: none"> 1. Physical Properties: 			
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	<p>The material, as received, should be a free flowing white to creamish / brownish white powder free from foreign matter and visible impurities.</p> <p>2. Moisture Content, measured by drying at 105 +/- 2 degC, % by mass, maximum: 15.00.</p> <p>3. Dispersibility / Solubility Test: The material should be quickly and easily dispersible in water when sprayed in water taken in a breaker and should not remain floating. 1.00% (w/v) solution of the product in distilled water after mixing in multimixer for 30 minutes should give clean solution without turbidity.</p> <p>4. Rheological properties: Prepare a 0.5% (w/v) solution of the sample in distilled water containing 1% (w/v) NaCl (LR grade) by stirring in a multimixer for 30 minutes. Adjust pH of the solution in the range 8 - 9 by addition of 1N NaOH solution while stirring. Determine the rheological properties of the suspension at 26 +/- 2 deg C which should be as follows:</p> <ul style="list-style-type: none">(i) Apparent viscosity, cp : 15 - 25(ii) "O" minute gel, lbs/100 ftsq, minimum: 8iii)"N" value at 200 & 100 rpm of Fann VG meter or equivalent, maximum.: 0.40 <p>To 500 ml of distilled water, add 5 ml of 3% (w/v) solution of calcium chloride (fused and analar grade) and to this solution, add 0.5% (w/v) of the sample while stirring in a multimixer. Stir the suspension further for 30 minutes in a multimixer. To this add 0.2% (w/v) chrome alum powder (LR grade) and stir for additional 10 min. Adjust the PH in the range 8-9 by 1N NaOH solution while stirring. Determine the rheological properties of the suspension at 26 +/- 2 deg C which should be as under:</p>			
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	<p>(i) Apparent viscosity, cp, minimum: 40 (ii) Yield value, lbs/100 ftsq, minimum: 40 (iii) "0" minute gel, lbs/100ftsq, minimum : 20 (iv) "15" minute gel, lbs/100 ftsq, minimum : 100</p> <p>5. Performance Test: Prepare a 0.5% (w/v) solution of the sample in distilled water by stirring in a multimixer for 30 minutes. Adjust the pH to 8 - 9 with 1N NaOH solution. Add to it 3% of the OIL approved bentonite powder and stir for 30 minutes. Determine apparent viscosity; yield value and API fluid loss of the mud at 26 +/- 2 deg C. Age the treated mud at 100 +/- 2 deg C for 18 hrs in rolling condition. Cool and stir for 15 minutes in a multimixer. Determine apparent viscosity, yield value and API fluid loss at 26 +/- 2 deg C which should be as under: (i) Apparent viscosity, cp : should not decrease (ii) Yield value, lbs/100 ftsq : should not decrease (iii) API fluid loss, ml : should not increase</p> <p>6. Temperature stability: Prepare 0.5% (w/v) solution of the sample in saturated salt water (prepared by dissolving analar grade NaCl in distilled water) by stirring in a multimixer for 30 minutes. Adjust pH to 8 - 9 by 1N NaOH solution. Record apparent viscosity and yield value of suspension at 26 +/- 2 deg C.</p> <p>Age the solution in a roller oven in rolling condition at 120 +/- 2 deg C for 18 hrs. Cool and stir for 5 minutes. Measure apparent viscosity and yield value of the solution at 26 +/- 2 deg C which should be as under: (i) Apparent viscosity, cp : should not decrease (ii) Yield value, lbs/100 ftsq : should not decrease</p> <p>7. Borate Sensitivity Test:</p>			
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	<p>Prepare a 0.5% (w/v) solution of the sample in distilled water by stirring in a multimixer for 30 minutes. Add to it 5 ml of 20% (w/v) hot solution of borax and stir for 5 minutes. No stiff gel formation should take place.</p> <p>8. Packing:</p> <p>(i) The material should be packed in multiwalled paper bags with at least two innermost layers are suitably water proofed strong enough to withstand rigours of transit and storage. Pack Size: 25KG net per bag.</p> <p>(ii) PELLETISATION: If supply is from foreign source, the supply should be in suitably pelletized forms.</p> <p>9. Markings:</p> <p>Each bag should have clear legible markings as given below:</p> <ul style="list-style-type: none">(i) Name of the product/brand name(ii) Name of the supplier/manufacturer (Name of manufacturer must be marked on the bags in case the product is not branded).(iii) Date/month/year of manufacture(iv) Supply order number against which the supply is made. <p>N.B. 1) Apparent viscosity and yield value will be measured by a Fann VG meter or equivalent and API fluid loss will be measured in standard API fluid loss apparatus using compressed air or nitrogen as pressure source.</p> <p>2) The Supplied Materials must meet OIL's specifications in all respect.</p> <p>H. Non-Invasive Fluid Additives (NIFA):</p>			
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	<p>Specification:</p> <p>(i) Physical Properties: The material, as received, should be a free flowing creamish / white powder free from foreign matter and visible impurities. The material shall be in the form of powder, free from lumps Should be determined visually.</p> <p>(ii) Moisture Content, @ 105 ± 2 Deg C % by mass,,: 12.0 maximum.</p> <p>(iii) pH of 5 % solution in distilled water: 10.0 minimum.</p> <p>(iv) Performance test:</p> <p>* To be tested in sand bed test cell</p> <p>* Make a sand bed of 20/40 mesh frac sand of 15 cm height in the test cell.</p> <p><u>Fresh Water Mud:</u></p> <p>i.<u>Base mud:</u> Freshly prepare a bentonite suspension of 10 to 15 cp and Add 0.4% XCP, 1.2% PAC(L), 0.3% PAC (R) and maintain pH 9.5 to 10.0 by adding KOH. Add 0.2% magnesium oxide. Hot roll at 100 deg C for 24 hrs. Perform invasion test in sand bed test cell at 100 psi and record the invasion.</p> <p>ii.Treated Mud: In the above base mud (A) add 2% NIF additive. Mix thoroughly. Hot roll at 100 oC for 24 hours. Perform invasion test in sand bed test cell at 100 psi and record the invasion: Should not be more than 8.0 cm.</p> <p><u>Salt Water Mud:</u></p>			
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	<p>A) <u>Base Mud:</u> In fresh water add 5% KCL, 0.45% XCD, 1.2% PAC (SL), 0.3% PAC(R) & 6% OIL approved micronized CaCO₃, maintained pH to 9.5 - 10 by KOH. Add 0.2% MgO. Hot roll at 100 deg C for 24 hrs. Perform invasion test in sand bed test cell at 100 psi and record the invasion.</p> <p>B) <u>Treated Mud:</u> In the above salt water base mud (A) add 2% NIF additive, hot roll at 100 degC for 24 hours. Perform invasion test in sand bed test cell at 100 psi and record the invasion.: Should not be more than 8.0 cm</p> <p>I. CALCIUM CARBONATE Physical properties:</p> <ol style="list-style-type: none"> 1. Physical State-Fine Powder free from dirt & foreign matter. 2. Water soluble content-0.35 %(by weight) max. 3. Specific gravity at 24+/-2degC -2.69(min). 4. Purity as Calcium Carbonate-96% by weight min. 5. Solubility in 15% wt/wt HCl-96% by weight min. 6. Particle size distribution % by volume as measured by light scattering technology- D10- < 4 micron; D50- 4-15 micron; D90-15-60 micron. Particle retain on 200 meshes ASTM- 2% by weight max. <p>Packing: Moisture proof HDPE/Jute bag with polythene inner lining (100 gauge) strong enough to withstand rigours of transit and storage, capacity 50 kg net per bag.</p> <p>Marking: Each bag shall have clearly legible marking as given below:</p> <ol style="list-style-type: none"> a) Name of Product b) Name of Supplier 			
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	<p>c) Date/Month/Year of manufacture d) Supply order number against which supplies are made</p> <p>J. POLYAMINE</p> <p>Specification:</p> <p>1. Physical Properties: The material as received shall be in the form of colourless/pale yellow liquid and shall be free from visible impurities. Should be determined visually.</p> <p>2. Miscibility with Water at 24 ± 2 Deg C: Prepare a 2% (v/v) of the sample solution in distilled water, which gives a clear single phase solution. Miscibility with Water at 24 ± 2 Deg C should be completely miscible.</p> <p>3. Miscibility with 3% KCL solution at 24 ± 2 Deg C: Prepare a 2% (v/v) of the sample solution in 3%kcl solution, which gives a clear single phase solution. Miscibility with 3% KCL solution at 24 ± 2 Deg C should be completely miscible.</p> <p>4. Specific Gravity at 24 ± 2 Deg C: It should be between 1.01-1.1.</p> <p>5. Qualitatively determine Na⁺, K⁺ and Ca⁺⁺ in 2% CHS/Polyamine in distilled water: All three elements absent.</p> <p>6. Chemical assay (Reinecke salt gravimetric method): $< = 20.0$ % By mass.</p> <p>7. Swelling test: 2% (w/v) solution of the sample by Linear Swell Meter</p>			
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	<p>against Bentonite pellets compressed to 10,000 psi in a 2 hrs test: $\leq 24.0\%$.</p> <p>8. Clay Hydration Suppression</p> <p>a) Base Mud Take 450ml of distilled water and add 45 g of bentonite powder and stir the mixture in silverson High Shear mixture for 30 minutes at medium speed. Determine apparent viscosity at 24 +/- 2 degC which should be as follows.</p> <p>Specification: Apparent Viscosity, cp: To determine.</p> <p>b) Treated Mud: Take 450ml of distilled water and add 45 g of bentonite powder, and stir the mixture in silverson High Shear mixture, and add 2% (w/v) of the sample and stir for 30 minutes at medium speed. Determine apparent viscosity at 24 +/- 2 degC which should be as follows.</p> <p>Specification: Apparent Viscosity, cp: Should not be more than 15% of the base mud.</p> <p>9. Methylene Blue Capacity</p> <p>a) Base Mud Hydrate 20g/350ml bentonite in distilled water for 24 hours at room temperature. Take 2 ml of the slurry add 5ml of Distilled water and stir in mixer for 30 min. Record the methylene blue capacity with the help of methylene blue solution.</p> <p>Specification: Methylene blue Capacity, ml: to determine</p> <p>b) Treated Mud</p>			
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	<p>Hydrate 20g/350ml bentonite in distilled water for 24 hours at room temperature. Take 2 ml of the slurry add 5ml of Distilled water, add 5ml of 2% amine solution in distilled water and stir in mixer for 30 min. Record the methylene blue capacity with the help of methylene blue solution (as mentioned in sub procedure ChemLab/Mud/sub/MBC/06.</p> <p>Specification: Methylene blue Capacity, ml: 65% (max) of bentonite slurry.</p> <p>Packing: The material should be packed in 200 Kg plastic Jar/Drum strong enough to withstand rigors of transportation and storage.</p> <p>Marking: Each drum shall have clear legible marking as given below: a) Name of the product: b) Name of the supplier: c) Date/Month/ year of manufacture. d) Supply order number against which supplies are made:</p> <p><u>K Potassium Sulphate:</u></p> <ol style="list-style-type: none">1. Physical Properties: The material shall be in the form of crystalline solid or powder, free from visible impurities.2. Moisture Content at 105 +/-2 deg C, % by mass: 2.00(Maximum)3. Matter Insoluble in Water on Dry Basis, percent by mass: 0.5(Maximum)4. Calcium as Ca++ on Dry Basis, ppm: 2000 (Maximum)5. Purity as Potassium Sulphate on Dry Basis, percent by mass: 96.0 (Minimum)6. Packing: The material should be packed in polythene bag (100 gauge) which in turn should be packed in HDPE bag			
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	<p>strong enough to withstand rigorous of transit and storage. The material should be supplied in the original packing of the manufacturer Capacity 50 kg net per bag.</p> <p>7. Marking: Each bag shall have clear legible markings as given below:</p> <ul style="list-style-type: none">(i) Name of the product(ii) Name of the supplier(iii) Date/Month/Year of manufacture <p>x) Quality Control:</p> <ul style="list-style-type: none">a. Contractor shall have effective QC procedures to ensure that all chemicals and materials meet the design requirements and also comply with the relevant API/BIS/OIL standards as appropriate, and Company reserves the right to audit Contractor's QC operation. All chemicals should be free of any hazardous components. The supplied chemicals will have to meet the specification as declared at the time of bidding.b. Service Provider shall also perform the QC tests on mud samples and all mud related products on request.c. Service Provider shall perform laboratory testing of formulations to ascertain the performance of the fluid. After testing, a report summarizing the test and test results along with formulations must be submitted before commencement of the operation.d. Service Provider shall submit a toxicity test report from an NABL accredited laboratory of all individual chemicals / composite mud sample prior to commencement of operation.			
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	<p>e. After issuing LOA, the Service Provider shall submit minimum 1kg/ 1L of each chemical as a Pre-despatch sample for performance evaluation as per API/BIS/OIL specifications at Chemical Laboratory, Duliajan. Bidder to take a note that only after successful evaluation of the supplied sample, they will be allowed to bring the chemicals for mobilization. It is to be noted that performance evaluation of the samples will take minimum 30 days, hence bidder's are requested to plan accordingly for on time mobilization.</p> <p>f. Random joint sampling shall be carried out during the entirety of the contract and whenever felt necessary. Contractor has to send those samples collected at well site to Chemical Department, Duliajan for laboratory testing. In case of non-conformity with respect to specification/performance of the chemical, Contractor has to replace the chemical immediately without any extra cost to OIL.</p> <p>g. If during the operations, any chemical is found to be substandard, Contractor shall replace the materials immediately without any extra cost to Company. All expenditure including transportation of rejected materials will be borne by the Contractor.</p>			
10.5	<p>DESIGNING OF MUD PROGRAM:</p> <p>Mud parameters at 45° ± 2° C after hot rolling at 120° ± 2° C for 24 hrs: (Properties will be as per table under this clause in the tender)</p> <p>Based on geological data provided by OIL and well engineering, contractor shall design/formulate suitable mud and hydraulic system</p>			

	<p>for each phase. Contractor will provide the mud engineering services for the mud system approved by OIL.</p> <p>i) Contractor should submit a detailed mud program for each proposed well in advance. The designed mud/hydraulics program should be supported by software for analysis and to make reports.</p> <p>ii) Contractor will also plan for contingency treatment for problems like cement contamination, carvings, hole pack off, differential sticking, mud loss, hole erosion and /or any other down hole problems.</p> <p>iii) Contractor will prepare contingency plan to meet any unexpected problems, anticipated contaminations etc.</p> <p>iv) Contractor should ensure that entire composite mud system fulfils regulatory requirements of environment/safety etc.</p>			
10.6	<p><u>EXPECTED FORMATION TOPS</u></p> <p><u>(as per table in the tender)</u></p> <p>NOTE: Formation depths are tentative and may have difference of about +/-100 m in actual and very well to well.</p>			
10.7	<p><u>MUD PARAMETES FOR OFFSET WELL</u></p> <p>TYPE-I: Mud parameters of 12.¼” sections of S-bend/J-bend/Vertical Wells of Barekuri, Baghjan, Chabua, Nadua, Makum, Moran, Shalmari, Balimara <u>(as per table in the tender)</u></p> <p>TYPE-II: Mud Parameters of 8.5” stage for different mud systems used for drilling of S-bend/J-bend/Vertical Wells of Barekuri, Baghjan, Chabua, Nadua, Makum, Moran, Shalmari, Balimara areas <u>(as per table in the tender)</u></p>			

10.8	<u>MUD HYDRAULICS FOR 6", 8½", 12¼" & 17½" HOLE</u> <u>(as per table in the tender)</u>																			
10.9	<p>Chemicals to be supplied by OIL</p> <p style="text-align: center;"><u>TABLE - I</u></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2" style="text-align: center;">Chemicals to be supplied by OIL</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Barite</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Bentonite</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Spotting Fluid</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Loss Circulating Materials (Mica, Saw dust, Gel flakes, Walnut shell)</td> </tr> <tr> <td style="text-align: center;">5</td> <td>H2S scavenger</td> </tr> <tr> <td style="text-align: center;">6</td> <td>Sodium Bicarbonate</td> </tr> <tr> <td style="text-align: center;">7</td> <td>Soda Ash</td> </tr> </tbody> </table>	Chemicals to be supplied by OIL		1	Barite	2	Bentonite	3	Spotting Fluid	4	Loss Circulating Materials (Mica, Saw dust, Gel flakes, Walnut shell)	5	H2S scavenger	6	Sodium Bicarbonate	7	Soda Ash			
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10.10	<p><u>MUD TESTING EQUIPMENT/ LABORATORY:</u></p> <p>All the necessary drilling fluid testing equipment/ glass wares, chemicals/ reagents and consumables for testing of mud as per API /</p>																			

AIDC standards including any special tests for estimation of glycol, amine, PHPA, HPHT fluid loss, lubricity coefficient, shall be provided by the contractor as per **Table-II**. OIL will provide a skid mounted laboratory bunk house at rig site with the facilities like water connection and electrical power supply for setting up the same.

TABLE - II

LIST OF LABORATORY EQUIPMENTS PER SERVICE

Sl. No.	Items	Quantity
1	Fann VG Meter 6 speed	1
2	API Filter Press	1
3	Marsh Funnel with cup	1
4	API Mud Balance	1
5	API Sand Content Apparatus	1
6	Hamilton Beach Mixer	1
7	Oil Water Retort Kit	1
8	pH Meter	1
9	Methylene blue Test Kit	1
10	Thermometer	1
11	Lubricity Tester	1
12	Hot Plate	1
13	Magnetic Stirrer	1
14	HPHT Filter press	1
15	Any Other necessary equipment for testing of mud.	

	<p>Note: The contractor to provide valid Calibration certificate of all the laboratory equipment (for each set separately) failing which mobilization will not be considered complete. During the contract if any instrument is found to be defective or substandard, the item is to be replaced immediately without any extra cost to OIL.</p>																																																																											
<p>10.11</p>	<p>Healthy Stock to be maintained at warehouse in Duliajan :</p> <p>Table III:</p> <table border="1"> <thead> <tr> <th></th> <th>Name of Chemical</th> <th>Unit</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Caustic Soda</td> <td>KG</td> <td>15,000</td> </tr> <tr> <td>2.</td> <td>CP Glycol</td> <td>L</td> <td>30,000</td> </tr> <tr> <td>3.</td> <td>ROP enhancer</td> <td>L</td> <td>60,000</td> </tr> <tr> <td>4.</td> <td>Encapsulating polymer</td> <td>KG</td> <td>9,000</td> </tr> <tr> <td>5.</td> <td>PAC-R</td> <td>KG</td> <td>18,000</td> </tr> <tr> <td>6.</td> <td>HP Fluid loss reducer</td> <td>KG</td> <td>35,000</td> </tr> <tr> <td>7.</td> <td>XCD</td> <td>KG</td> <td>15,000</td> </tr> <tr> <td>8.</td> <td>Biocide</td> <td>L</td> <td>6,000</td> </tr> <tr> <td>9.</td> <td>CaCO3 (M)</td> <td>KG</td> <td>40,000</td> </tr> <tr> <td>10.</td> <td>CaCO3 (F)</td> <td>KG</td> <td>40,000</td> </tr> <tr> <td>11.</td> <td>Defoamer</td> <td>L</td> <td>15,000</td> </tr> <tr> <td>12.</td> <td>Polyamine-Chloride free</td> <td>L</td> <td>60,000</td> </tr> <tr> <td>13.</td> <td>Polymeric Sealing agent</td> <td>L</td> <td>45,000</td> </tr> <tr> <td>14.</td> <td>HP Lubricant</td> <td>KG</td> <td>45,000</td> </tr> <tr> <td>15.</td> <td>Oxygen Scavenger</td> <td>L</td> <td>6,000</td> </tr> <tr> <td>16.</td> <td>NIF (500 psi)</td> <td>KG</td> <td>30,000</td> </tr> <tr> <td>17.</td> <td>Potassium Sulphate</td> <td>KG</td> <td>70,000</td> </tr> </tbody> </table>		Name of Chemical	Unit	Quantity	1.	Caustic Soda	KG	15,000	2.	CP Glycol	L	30,000	3.	ROP enhancer	L	60,000	4.	Encapsulating polymer	KG	9,000	5.	PAC-R	KG	18,000	6.	HP Fluid loss reducer	KG	35,000	7.	XCD	KG	15,000	8.	Biocide	L	6,000	9.	CaCO3 (M)	KG	40,000	10.	CaCO3 (F)	KG	40,000	11.	Defoamer	L	15,000	12.	Polyamine-Chloride free	L	60,000	13.	Polymeric Sealing agent	L	45,000	14.	HP Lubricant	KG	45,000	15.	Oxygen Scavenger	L	6,000	16.	NIF (500 psi)	KG	30,000	17.	Potassium Sulphate	KG	70,000			
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10.12	<p>Stock required for Completion of Mobilization :</p> <p style="text-align: center;">Table IV</p> <table border="1" data-bbox="353 300 1025 1166"> <thead> <tr> <th></th> <th>Name of Chemical</th> <th>Unit</th> <th>Quantity</th> </tr> </thead> <tbody> <tr><td>1.</td><td>Caustic Soda</td><td>KG</td><td>20000</td></tr> <tr><td>2.</td><td>CP Glycol</td><td>L</td><td>50000</td></tr> <tr><td>3.</td><td>ROP enhancer</td><td>L</td><td>75000</td></tr> <tr><td>4.</td><td>Encapsulating polymer</td><td>KG</td><td>15000</td></tr> <tr><td>5.</td><td>PAC-R</td><td>KG</td><td>25000</td></tr> <tr><td>6.</td><td>HP Fluid loss reducer</td><td>KG</td><td>50000</td></tr> <tr><td>7.</td><td>XCD</td><td>KG</td><td>20000</td></tr> <tr><td>8.</td><td>Biocide</td><td>L</td><td>8000</td></tr> <tr><td>9.</td><td>CaCO₃ (M)</td><td>KG</td><td>50000</td></tr> <tr><td>10.</td><td>CaCO₃ (F)</td><td>KG</td><td>50000</td></tr> <tr><td>11.</td><td>Defoamer</td><td>L</td><td>20000</td></tr> <tr><td>12.</td><td>Polyamine-Chloride free</td><td>L</td><td>70000</td></tr> <tr><td>13.</td><td>Polymeric Sealing agent</td><td>L</td><td>60000</td></tr> <tr><td>14.</td><td>HP Lubricant</td><td>KG</td><td>50000</td></tr> <tr><td>15.</td><td>Oxygen Scavenger</td><td>L</td><td>5000</td></tr> <tr><td>16.</td><td>NIF (500 psi)</td><td>KG</td><td>40000</td></tr> <tr><td>17.</td><td>Potassium Sulphate</td><td>KG</td><td>90000</td></tr> </tbody> </table>		Name of Chemical	Unit	Quantity	1.	Caustic Soda	KG	20000	2.	CP Glycol	L	50000	3.	ROP enhancer	L	75000	4.	Encapsulating polymer	KG	15000	5.	PAC-R	KG	25000	6.	HP Fluid loss reducer	KG	50000	7.	XCD	KG	20000	8.	Biocide	L	8000	9.	CaCO ₃ (M)	KG	50000	10.	CaCO ₃ (F)	KG	50000	11.	Defoamer	L	20000	12.	Polyamine-Chloride free	L	70000	13.	Polymeric Sealing agent	L	60000	14.	HP Lubricant	KG	50000	15.	Oxygen Scavenger	L	5000	16.	NIF (500 psi)	KG	40000	17.	Potassium Sulphate	KG	90000			
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10.13	<p><u>PENALTY CLAUSE:</u></p> <p>Materials required under this contract have to be mobilized initially as indicated in the above list (Table-IV) to avoid any shortage while execution of contract. OIL will not issue separate notice for mobilization of remaining materials to continue the</p>																																																																											

	<p>operation and its transportation to next location. Successful bidder has to ensure availability of materials throughout the contract period so that work does not suffer. In case of short supply of mud chemicals, one or many, following clauses shall be applicable.</p> <p>a) In case of non-availability of the chemicals (One or many) as indicated in (Table-III) which amounts to suspension of operation, ZERO rate and applicable penalty will be levied on directional services and mud services till the stock is replenished.</p> <p>b) If during the operations, any chemical as indicated in (Table-III) is found to be substandard after testing or stock out situation of any chemical, contractor shall replace / replenish the materials within 21 days without any extra cost to OIL. All expenditure including transportation of rejected materials will be borne by the Contractor. It is to be noted that due to rejection of chemicals after nonconformity of laboratory testing or arising out of any stock out situation due to unplanned supply chain, ZERO rate to mud engineering services will be applicable with immediate effect till the replenishment of stock. Contractor should take enough measures for maintaining quality/quantity of chemicals to avoid such type of situations.</p> <p>c) In case of non-availability of the chemicals as indicated in (Table-III) (One or many), and for continuity of operation, OIL is required to provide the support subject to availability, then 1.5 times of OIL's latest PO rate or quoted rate of the contractor whichever is higher will be recovered from the contractor on actual consumption under those circumstances.</p> <p>d) Zero Rate for Centrifuge shall be applicable during operational time against non-functional Centrifuge beyond 24 hours.</p>			
10.14	<p><u>SAFETY, HEALTH AND ENVIRONMENT:</u></p> <p>i) Contractor shall comply with applicable environmental laws, statutory regulations mines act applicable to oil mines etc.</p>			

	ii) The mud engineer should have approved PPE as per international practice and perform duty in accordance with Contractor's own SHE policy. In addition to above the mud engineer and other contractor personnel at well site must comply with OIL's internal SHE policy if needed.			
10.15	<u>POLLUTION AND CONTAMINATION:</u> The Contractor shall be liable for all the surface pollution to the extent caused by Contractor and resulting from spillage of additives / substances which the Contractor brings to the site for use in connection with work to be performed under this Contract. However, in the event of such spillage by the Contractor, Contractor shall immediately assume all responsibility at their cost for the removal of items, substances. OIL will dispose Contractor's empty sacks & drums from well site.			

&&&&&&

RESPONSES TO PRE-BID QUERIES OF M/S BAKER HUGHES AGAINST TENDER NO. CDG9298P26

Legal Queries

Item No.	Article	Tender Clause	Baker Hughes Exception	OIL's Response
1.	GCC-16	<p>LIMITATION OF LIABILITY:</p> <p>a) Notwithstanding any other provisions herein to the contrary, except only in cases of willful misconduct and/or criminal acts and/or criminal negligence,</p> <p>neither the CONTRACTOR nor the COMPANY (OIL) shall be liable to the other, whether in Contract, tort, or otherwise, for any consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided however that this exclusion shall not apply to any obligation of the CONTRACTOR to pay Liquidated Damages to the COMPANY and/or COMPANY's right to forfeit the Performance Bank Guarantee(s) in terms of the contract.</p> <p>b) Notwithstanding any other provisions incorporated elsewhere in the contract, the aggregate liability of the CONTRACTOR in respect of this contract, whether under Contract, in tort or otherwise, shall not exceed 100% of the Contract Price (if not specified otherwise in SCC), provided however that this limitation shall not apply to the cost of repairing or replacing defective equipment by the CONTRACTOR, or to any obligation of the CONTRACTOR to indemnify the COMPANY with respect to Intellectual Property Rights.</p> <p>c) COMPANY shall indemnify and keep indemnified CONTRACTOR harmless from and against any and all claims, costs, losses and liabilities in excess of the aggregate liability amount in terms of clause (b) above.</p>	<p>16.0 LIMITATION OF LIABILITY</p> <p>Please amend as follows</p> <p>a) Notwithstanding any other provisions herein to the contrary, except only in cases of willful misconduct and/or criminal acts and/or criminal negligence, neither the CONTRACTOR nor the COMPANY (OIL) shall be liable to the other, whether in Contract, tort, or otherwise, for any consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided however that this exclusion shall not apply to any obligation of the CONTRACTOR to pay Liquidated Damages to the COMPANY and/or COMPANY's right to forfeit the Performance Bank Guarantee(s) in terms of the contract.</p> <p>ba) Notwithstanding any other provisions incorporated elsewhere in the contract, the <u>maximum</u> aggregate liability of the CONTRACTOR in respect of this contract <u>and its subject matter</u>, whether under Contract, in tort or otherwise, shall not exceed <u>(whichever is of the lesser)</u> 100% of the Contract Price (if not specified otherwise in SCC), provided however that this limitation shall not apply to the cost of repairing or replacing defective equipment by the CONTRACTOR, or to any obligation of the CONTRACTOR to indemnify the COMPANY with respect to Intellectual Property Rights or the total value payable to the Contractor under the Contract, regardless of the cause or action.</p>	No change

Item No.	Article	Tender Clause	<u>Baker Hughes Exception</u>	OIL's Response
			<p>c) COMPANY shall indemnify and keep indemnified CONTRACTOR harmless from and against any and all claims, costs, losses and liabilities in excess of the aggregate liability amount in terms of clause (ba) above. <u>Contractor shall have no liability for advice or assistance gratuitously provided by the Contractor but not required pursuant to the Contract. All of Contractor's liabilities shall terminate at the end of the relevant warranty period, except for claims timely commenced by Company in accordance with the Contract.</u></p> <p>Comments: a) This provision may be deleted, since this is akin to a con-loss waiver and there is a separate standalone con-loss waiver set out as Clause 18. B) The risk exposure of Baker Hughes in respect of the Contract should not exceed a reasonable figure with respect to the remuneration it derives from the Contract and should encompass an exclusion of liability for any gratuitous advice provided for by Baker Hughes, as well as a cap in time. c) To align with the deleted text.</p>	
2.	Art. 18	<p>CONSEQUENTIAL DAMAGE: Except as otherwise expressly provided, neither party shall be liable to the other for special, indirect or consequential damages resulting from or arising out of the contract, including but without limitation, to loss or profit or business interruptions, howsoever caused and regardless of whether such loss or damage was caused by the negligence (either sole or concurrent) of either party, its employees, agents or sub-CONTRACTORS.</p>	<p>18.0 CONSEQUENTIAL DAMAGE Please amend as follows</p> <p>Except as otherwise expressly provided <u>Notwithstanding anything to the contrary contained in the Contract or elsewhere</u>, neither party shall be liable to the other for <u>and the Contractor shall indemnify the Company from</u></p>	No change

Item No.	Article	Tender Clause	<u>Baker Hughes Exception</u>	OIL's Response
			<p><u>and against any and all claims for the consequential loss of the Contractor arising out of or in connection with the Contract, regardless of cause or action; and Company shall indemnify the Contractor from and against any and all claims for consequential loss of Company arising out of or in connection with the Contract regardless of cause or action, including without limitation any special, punitive, exemplary, incidental</u> indirect or consequential damages resulting from or arising out of the contract, including but without limitation, to loss or profit or <u>loss of production loss of revenue, loss of business and/or</u> business interruptions, <u>Company standby time; rig time; vessel, facility, or equipment downtime, whether any of the foregoing are direct or indirect</u>, howsoever caused and regardless of whether such loss or damage was caused by the negligence (either sole or concurrent) of either party, its employees, agents or sub-CONTRACTORS.</p> <p>Comment: As a key part of the indemnity structure that the parties are trying to create, the consequential damages waiver must be clearly worded and defined. A "consequential loss" provision is "must-have" provision in any contract; being a mutual hold harmless provision is bilateral and benefits OIL as much as it benefits Baker Hughes. Such indemnities must (i) be expressed as a dominant provision; (ii) include loss of loss of revenue, loss of business and business interruptions, rig, vessel, or other facility or equipment downtime, exemplary, punitive and</p>	

Item No.	Article	Tender Clause	<u>Baker Hughes Exception</u>	OIL's Response
			incidental losses etc. as types of consequential losses; (iii) be expressed and apply "regardless of the cause". This position is a widely accepted norm and is totally consistent with industry standards.	
3.	Art. 19	<p>RISK PURCHASE: In the event, CONTRACTOR's failure to provide the services as per the Contractual scope, terms and conditions, COMPANY (OIL) reserves the right to hire the services from any other source at the CONTRACTOR's risk & cost and the difference in cost shall be borne by the CONTRACTOR. Further, OIL shall retain the right of forfeiture of Performance Bank Guarantee and any other action as deemed fit. In certain operational situations OIL reserves the right to take over the site including the service equipment at the risk and cost of the CONTRACTOR.</p>	<p>19.0 RISK PURCHASE Please amend as follows</p> <p>In the event, CONTRACTOR's failure to provide the services <u>for reasons solely attributable to the CONTRACTOR</u>, as per the Contractual scope, terms and conditions, COMPANY (OIL) reserves the right to hire the services from any other source at the CONTRACTOR's risk & cost and the difference in cost shall be borne by the CONTRACTOR; <u>PROVIDED however, if such services are carried out by the Company by employing a third party contractor; then the Contractor shall only be liable for any reasonable, direct, documented, incremental/additional costs in getting such third party contractor to re-perform the whole or such part of the services; in which event, the Contractor's maximum liability to the Company for such excess costs shall be limited to 10% of the value of such services (or part thereof) which was in default. The remedies set forth herein shall constitute the Company's sole and exclusive remedies, and all other rights and remedies under law are excluded.</u> Further, OIL shall retain the right of forfeiture of Performance Bank Guarantee and any other action as deemed fit. In certain operational situations OIL reserves the right to take</p>	No change

Item No.	Article	Tender Clause	<u>Baker Hughes Exception</u>	OIL's Response
			<p>over the site including the service equipment at the risk and cost of the CONTRACTOR.</p> <p>Comment: Baker Hughes may not be called upon to assume uncapped liability for such costs (which will be tantamount to issuing a blank check to a competitor). There should be reasonable limit, depending on whether Baker Hughes is paid for such Services or not. The rights/remedies available to OIL are clearly set out in the Contract and it is unfair to avail the remedies available under law in addition to having availed what is set out under the Contract.</p>	
4.	Art. 30	<p>30.0 TIMELY MOBILISATION AND LIQUIDATED DAMAGES:</p> <p>a) Time is the essence of this Contract. If the CONTRACTOR fails to mobilize and deploy the required manpower/equipment and/or fails to commence the operation within the period specified as specified under mobilization clause under SCC, OIL shall have, without prejudice to any other right or remedy in law or contract including sub clause (b) below, the right to terminate the contract.</p> <p>b) If the contractor is unable to mobilize/deploy and commence the operation within the period specified in sub clause (a) above, it may request OIL for extension of the time with unconditionally agreeing for levy and recovery of LD. Upon receipt of such a request, OIL may at its discretion, extend the period of mobilization and shall recover from the CONTRACTOR, as an ascertained and agreed Liquidated Damages, a sum equivalent to @ 0.5% of contract value including mobilization cost, per week or part thereof of delay subject to</p>	<p>30.0 LIQUIDATED DAMAGE FOR DEFAULT IN TIMELY MOBILISATION</p> <p>Please amend as follows</p> <p>a) Time is the essence of this Contract.</p> <p>—b) If the contractor is unable to mobilize/deploy and commence the operation within the period specified in sub clause (a) above, <u>due to reasons solely attributable to the Contractor</u>, it may request OIL for extension of the time with unconditionally agreeing for levy and recovery of LD. Upon receipt of such a request, OIL may at its discretion, extend the period of mobilization and shall recover from the CONTRACTOR, as an ascertained and agreed Liquidated Damages, a sum equivalent to @ 0.5% of delayed service contract value including mobilization cost, per week or part thereof of delay subject to maximum of 7.5% of the Contract Price.</p>	No change

Item No.	Article	Tender Clause	<u>Baker Hughes Exception</u>	OIL's Response
		maximum of 7.5% of the Contract Price.	<p>Please add the following:</p> <p><u>Company agrees that payment of liquidated damages by Contractor shall constitute Contractor's sole liability and Company's sole remedy for such delay/default.</u></p> <p><u>Company further agrees that no liquidated damages will be due or otherwise payable unless the Company has suffered direct economic harm as a result of such delay.</u></p> <p>Comment: Baker Hughes takes the position that it is unfair to impose "liquidated damages", if OIL has not suffered any actual economic loss, as a result of any such delay/default. The entire basis of imposing liquidated damages is that they represent the mutually agreed full and fair compensation for any such delay/default. Where the contract contemplates payment of liquidated damages; it is inappropriate to allow other alternative remedies in addition to those liquidated damages.</p>	
5.	Art. 32	<p>SET-OFF: Any sum of money due and payable to the CONTRACTOR (including Performance Security refundable to them) under this or any other Contract, whether in progress or in future, may be appropriated by OIL and set-off against any claim of OIL (or such other person or persons contracting through OIL) for payment of a sum of money arising out of this contract or under any other contract made by the CONTRACTOR with OIL (or such other person or persons contracting through OIL).</p>	<p>32.0 SET-OFF: Please amend as follows:-</p> <p>Any sum of money due and payable to the CONTRACTOR (including Performance Security refundable to them) under this or any other Contract, whether in progress or in future, may be appropriated by OIL and set-off against any claim of OIL (or such other person or persons contracting through OIL) for payment of a sum of money</p>	No change

Item No.	Article	Tender Clause	<u>Baker Hughes Exception</u>	OIL's Response
			<p>arising out of this contract or under any other contract made by the CONTRACTOR with OIL (or such other person or persons contracting through OIL).</p> <p>Comment: Baker Hughes takes the position that OIL should not be able to set-off any and all monies which may be owed by Baker Hughes to OIL, particularly those which are outside the scope of the Contract. They could be disputed by Baker Hughes and in any event, there should be privity of contract, i.e., one contract should NOT give rise to obligations under another. Additionally, setoff figures outside the Contract would be too complicated when it comes to accounting and would be a nightmare to administer.</p>	
6.	GCC-38	<p>POLLUTION AND CONTAMINATION: The CONTRACTOR shall be liable for all surface and sub-surface pollution to the extent caused by CONTRACTOR and resulting from CONTRACTOR's operation/service or spillage or dumping of solvents/additive substances or pollutants, which the CONTRACTOR brings to the Site for use in connection with Work to be performed under this Contract.</p> <p>Notwithstanding anything to the contrary contained herein, it is agreed that except on the ground of willful misconduct or criminal misconduct, COMPANY shall release, indemnify and hold CONTRACTOR and its sub-CONTRACTORS harmless from any and all claims, judgments, losses, expenses and any costs related thereto (including but not limited to Court costs and "Attorney's fees") for:</p>	<p>Contractor proposes Company standard clause on Liability for Well which covers pollution.</p> <p>Please amend as follows:-</p> <p>38.0 POLLUTION AND CONTAMINATION:</p> <p>The Contractor shall be liable for all surface and sub-surface pollution to the extent caused by Contractor and resulting from Contractor's operation/service or spillage or dumping of solvents/additive substances or pollutants, which the Contractor brings to the Site for use in connection with Work to be performed under this Contract.</p>	No change

Item No.	Article	Tender Clause	<u>Baker Hughes Exception</u>	OIL's Response
		<p>a) Damage to or loss of any reservoir or producing formation; and/ or</p> <p>b) Damage to or loss of any well; and/or</p> <p>c) Any other subsurface damage or loss; and/ or</p> <p>d) Any property damage or loss or personal injury or death arising out of or in connection with a blowout, fire explosion and loss of well control regardless of cause.</p>	<p>Notwithstanding anything to the contrary contained herein, it is agreed that except on the ground of willful misconduct or criminal misconduct, Company shall release, indemnify and hold Contractor and its Sub-contractors harmless from any and all claims, judgments, losses, expenses and any costs related thereto (including but not limited to Court costs and "Attorney's fees") for:</p> <p>a) — Damage to or loss of any reservoir or producing formation; and/ or</p> <p>b) — Damage to or loss of any well; and/ or</p> <p>c) — Any other subsurface damage or loss; and/ or</p> <p>d) — Any property damage or loss or personal injury or death arising out of or in connection with a blowout, fire explosion and loss of well control regardless of cause.</p> <p><u>LIABILITY FOR THE WELL:</u></p> <p><u>Notwithstanding anything else contained herein to the contrary, in accepting an order to perform any services and / or to furnish any Equipment, the Contractor does so with the understanding that they do not guarantee results. Further notwithstanding anything else contained herein to the contrary, the Contractor shall not be liable or responsible for or in respect of:</u></p> <p><u>(i) any sub-surface damage (including but not limited to damages or loss of a well or reservoir or formation, the loss of any oil or gas there from), or any surface loss or damage or injury or death arising out of a sub-</u></p>	

Item No.	Article	Tender Clause	<u>Baker Hughes Exception</u>	OIL's Response
			<p><u>surface damage; and/or</u> (ii) <u>blowout, fire, explosion or any other uncontrolled well condition; and/or (iii) damage to, or loss of oil or gas from any pipelines, vessels or storage or production facilities; and/or</u> (ii) <u>any loss or damage or injury or death whatsoever, direct or consequential, including liability arising from pollution originating below the surface and any clean-up costs;</u> <u>whether caused by their personnel or Equipment or otherwise arising from or in any way connected with such sub-surface Operations or in performing or attempting to perform any such Operations irrespective of the cause and the Company agrees that it shall absolve the Contractor and protect, defend, indemnify and hold the Contractor and its co-lessees, its sub-contractors, its agents and its parents, subsidiaries and affiliates, its other contractors and/or its and their directors, officers, employees, consultants and invitees harmless from and against all claims, suits, demands and causes of actions, liabilities, expenses, costs and judgements of every kind and character (including without limitation for the loss or damage of any property, or the injury or death of any person), without limit, in favour of any person, party or entity, resulting from any of the above.</u></p>	
7.	44.5	<p>Termination for Unsatisfactory Performance: If the COMPANY considers that, the performance of the CONTRACTOR is unsatisfactory, or not as per the provision of the Contract, the COMPANY shall notify the CONTRACTOR in writing and specify in details the cause of dissatisfaction. The COMPANY shall have the option to terminate the Contract by giving 15 days notice in writing to the CONTRACTOR, if CONTRACTOR fails to comply with the requisitions contained in the said written notice issued by the COMPANY. In the event CONTRACTOR rectifies its non-performance to the satisfaction of the COMPANY, the option of termination may not be exercised by the</p>	<p>44.5 TERMINATION Please amend the existing Article as follows: Termination for Unsatisfactory Performance: If the COMPANY considers that, the performance of the CONTRACTOR is unsatisfactory, or not as per the provision of the Contract <u>the Contractor fails to perform a material obligation under the Contract, such as a material failure to provide the work as described in the Scope of Work</u>, the</p>	No change

Item No.	Article	Tender Clause	<u>Baker Hughes Exception</u>	OIL's Response
		<p>COMPANY. If however CONTRACTOR repeats non-performance subsequently, COMPANY shall exercise the option to terminate contract by giving 07 days notice. Such CONTRACTOR shall be put on holiday as per the Banning Policy of OIL [available at www.oil-india.com].</p>	<p>COMPANY shall notify the CONTRACTOR in writing and specify in details the <u>nature of the material failure</u> cause of dissatisfaction. The COMPANY shall have the option to terminate the Contract by giving 15 days notice in writing to the CONTRACTOR, if CONTRACTOR fails to <u>commence</u> comply with the requisitions contained in the said written notice issued by the COMPANY. In the event CONTRACTOR <u>commences rectification of</u> rectifies its non-performance to the satisfaction of the COMPANY, the option of termination may not be exercised by the COMPANY. If however CONTRACTOR repeats non-performance subsequently, COMPANY shall exercise the option to terminate contract by giving 07 days notice. Such CONTRACTOR shall be put on holiday as per the Banning Policy of OIL [available at www.oil-india.in]. <u>Termination under this Article 12.4 shall be the Company's sole remedy for Contractor's failure to perform a material obligation under the Contract.</u></p> <p>Comment: Baker Hughes cannot agree to a termination right based on subjective opinions of OIL, such as where OIL merely considers that the work is unsatisfactory or up to the expected standard. Baker Hughes will perform the work as provided for in the Contract. Furthermore, Baker Hughes should be given a chance to remedy its failure. In the event of a termination, Baker Hughes will suffer substantial losses and therefore, termination should be OIL's sole remedy.</p>	
8.	44.9	Notwithstanding any provisions herein to the contrary, the Contract may be terminated at any	Termination (for convenience): Please amend the existing Article as follows:	No change

Item No.	Article	Tender Clause	<u>Baker Hughes Exception</u>	OIL's Response
		time by the COMPANY on giving 30 (thirty) days written notice to the CONTRACTOR due to any other reason not covered under the above Article from 44.1 to 44.8 and in the event of such termination the COMPANY shall not be liable to pay any cost or damage to the CONTRACTOR except for payment of services as per the Contract upto the date of termination.	<p>Notwithstanding any provisions herein to the contrary, the Contract may be terminated at any time by the COMPANY on giving 30 (thirty) 45 (forty five) days written notice to the CONTRACTOR due to any other reason not covered under the above Article from 44.1 to 44.8 and in the event of such termination the COMPANY shall not be liable to pay any cost or damage to the CONTRACTOR except for make payment of services as per the Contract up to the date of termination, <u>plus reasonable costs actually incurred or committed to by Contractor (such as costs which are not cancellable or recoverable or for specially engineered or manufactured products or equipment) plus (ii) all costs and expenses, including overhead, incurred by Contractor in connection with Products, Equipment, or Services in progress, but not completed or delivered, plus a 25% margin, and (iii) demobilization costs and the costs associated with vendor cancellation fees or Claims arising from the termination of any vendor agreements.</u></p> <p>Comment: Baker Hughes should be paid for work already performed. In addition, Baker Hughes may have incurred non-recoverable costs prior to termination and it is reasonable that such costs should be borne by OIL.</p>	
9.	44.10	Consequence of Termination: In all cases of termination herein set forth, the relative obligations of the parties to the Contract shall be limited to the period up to the date of termination. Notwithstanding the termination of this Contract, the parties	Consequences of Termination: Please amend para 1 of the existing Article as follows: "In all cases of termination herein set forth, <u>except for termination as provided under clauses 44.3</u>	No change

Item No.	Article	Tender Clause	<u>Baker Hughes Exception</u>	OIL's Response
		<p>shall continue to be bound by the provisions of this Contract that reasonably require some action or forbearance after such termination.</p> <p>Upon termination of this Contract, CONTRACTOR shall return to COMPANY all of COMPANY's properties, which are at the time in CONTRACTOR's possession.</p> <p>In the event of termination of contract, COMPANY will issue Notice of termination of the contract with date or event after which the contract will be terminated. The contract shall then stand terminated and the CONTRACTOR shall demobilize their personnel & materials.</p> <p>Demobilization charges shall not be payable by COMPANY in case of Article from 44.4 to 44.7.</p>	<p><u>and 44.9</u>, the relative obligations of the parties to the Contract shall be limited to the period up to the date of termination. Notwithstanding the termination of this Contract, the parties shall continue to be bound by the provisions of this Contract that reasonably require some action or forbearance after such termination."</p> <p>Comment: <i>In case of termination due to force majeure or due to no fault of Contractor, Contractor should be entitled to reasonable costs incurred or committed by contractor</i></p>	
10.	44.10	Demobilization charges shall not be payable by COMPANY in case of Article from 44.4 to 44.7.	Please confirm that Demobilization charges shall also be payable in case of 44.3 and 44.8	No change
11.	SCC-24	<p>24.0 LIABILITY FOR THE WELL OR RESERVOIR: Notwithstanding anything else contained herein to the contrary, the Contractor shall not be liable or responsible for or in respect of i) Any sub-surface damage (including but not limited to damages or loss of a well or reservoir or formation, the loss of any oil or gas there from), or any surface loss or damage or injury or death arising out of a sub-surface damage; and/or ii) Blowout, fire, explosion or any other uncontrolled well condition; and/or iii) Damage to, or loss of oil or gas from any pipelines, vessels or storage or production facilities; and/or iv) Any loss or damage or injury or death whatsoever, direct or consequential, including liability arising from pollution originating below the surface and any clean up costs, whether caused by their personnel or Equipment or otherwise arising from or in any way connected with such sub-surface Operations or in performing or attempting to perform any such Operations; v) Third party liabilities arising out of the above irrespective of the cause and the Company agrees that it shall</p>	<p>24.0 LIABILITY FOR THE WELL OR RESERVOIR: Notwithstanding anything else contained herein to the contrary, the Contractor shall not be liable or responsible for or in respect of i) Any sub-surface damage (including but not limited to damages or loss of a well or reservoir or formation, the loss of any oil or gas there from), or any surface loss or damage or injury or death arising out of a sub-surface damage; and/or ii) Blowout, fire, explosion or any other uncontrolled well condition; and/or iii) Damage to, or loss of oil or gas from any pipelines, vessels or storage or production facilities; and/or iv) Any loss or damage or injury or death whatsoever, direct or consequential, including liability arising from pollution originating below the surface and any clean up costs, whether caused by their personnel or Equipment or otherwise arising from or in any way connected with such sub-surface Operations or in performing or attempting to perform any such Operations; v) Third party liabilities arising out of the above irrespective of the cause and the Company agrees that it shall absolve the Contractor and protect, defend, indemnify and hold the Contractor and its sub- contractors, its agents and its parents, subsidiaries and affiliates, its other contractors and/or its</p>	No change

Item No.	Article	Tender Clause	<u>Baker Hughes Exception</u>	OIL's Response
		<p>absolve the Contractor and protect, defend, indemnify and hold the Contractor and its sub-contractors, its agents and its parents, subsidiaries and affiliates, its other contractors and/or its and their directors, officers, employees, consultants and invitees harmless from and against all claims, suits, demands and causes of actions, liabilities, expenses, costs and judgments of every kind and character (including without limitation for the loss or damage of any property, or the injury or death of any person), without limit, in favour of any person, party or entity, resulting from any of the above, including costs incurred by Company in this respect. -Provided that such loss, damage etc. as stated in (i) to (iv) above is not caused on account of wilful misconduct or gross negligence of the Contractor or its personnel/subcontractors of any tier/agents/invitees/consultants or parties associated with the contractor.</p>	<p>and their directors, officers, employees, consultants and invitees harmless from and against all claims, suits, demands and causes of actions, liabilities, expenses, costs and judgments of every kind and character (including without limitation for the loss or damage of any property, or the injury or death of any person), without limit, in favour of any person, party or entity, resulting from any of the above, including costs incurred by Company in this respect. Provided that such loss, damage etc. as stated in (i) to (iv) above is not caused on account of wilful misconduct or gross negligence of the Contractor or its personnel/subcontractors of any tier/agents/invitees/consultants or parties associated with the contractor.</p> <p>Comment: Oil in its Tender No. CEG8433P25 for Hiring of Bundle Services inclusive of Marine Vessels and Shore Base Management to support drilling operations in Offshore Kerala Konkan Block KK-OSHP-2018/1 for a period of 07 months or till completion of 01 (one) well, extendable by another 07 (seven) months for an optional well or otherwise at the same rates, terms & conditions has deleted the last sentence.</p>	

Technical Queries

Item no.	Article/section number	Wording/clause In the bid document	New wording/exception proposed by bidder	Reason(s) for exception	OIL's Response
1.	BEC 2.2 Experience Criteria. Page -33		Note: Duration of satisfactory execution of Ongoing Contracts shall also be considered for evaluation purpose. The Bidder's experience in ongoing contract involving multiple services (with no interdependence) shall also be considered in meeting the experience above subject to condition that the relevant service has been satisfactorily completed. To this effect, Bidder should submit copies of respective contracts, along with documentary evidence in respect of satisfactory execution of each of those contracts	Request for addition of Clause.	No change
2.	BEC 2.3 Mobilization Period, Page -40	In case of call out service, mobilization notice with 60 (sixty) days' time will be issued.	In case of call out service, mobilization notice with 90 (Ninety) 60 (sixty) days' time will be issued.	Request OIL to amend the clause	No change
3.	GCC 30.0 TIMELY MOBILIZATION AND LIQUIDATED DAMAGES: b) d), Page - 79	Liquidated Damages, a sum equivalent to @ 0.5% of contract value including mobilization cost, per week or part thereof of delay subject to maximum of 7.5% of the Contract Price. LD will be calculated on the basis of Total Contract value [(if not specified otherwise in SCC] excluding duties and taxes, where such duties/taxes have been shown separately in the contract.	Liquidated Damages, a sum equivalent to @ 0.5% of annualized contract value of each package including mobilization cost, per week or part thereof of delay subject to maximum of 7.5% of the Contract Price.	Request to Amend Please amend to annualized contract value.	No change
4.	SOW 3.3.1,2,3,4 (IV)	Services of Directional Drillers to operate RSS-SDMM and MWD Engineers are to be provided for execution of drilling program as per well plan of OIL. Minimum 02 (Two) directional driller and minimum 02 (Two) MWD Engineer are required to be provided always during operation at well site.	Minimum one directional driller and minimum one MWD Engineer are required to be provided always during operation at well site.	Bidder proposes to implement latest Remote Operations Services to optimize drilling efficiency and service delivery. Remote operations involves deploying experienced and dedicated DD/MWD/LWD crew at a remote operations centre for 24/7 monitoring DD/MWD/LWD operations. Remote Operations being the latest technological advancement in the field of Directional Drilling /MWD/LWD	No change

Item no.	Article/section number	Wording/clause In the bid document	New wording/exception proposed by bidder	Reason(s) for exception	OIL's Response
				<p>services provides with higher overall efficiency, increased productivity, limiting downtime, continuous monitoring and inputs by experts, reduced HSE risks, reduced carbon footprint resulting in optimized and efficient drilling operations for the company.</p> <p>Bidder has provided and implemented ROS for many clients across different projects in India and executed all jobs successfully.</p>	
5.	SOW 3.3.4 NOTE: ii.	Contractor to ensure that at least 1(one) back-up tool/Equipment in working condition is always available against the main tool/equipment. If, in the event of breakdown of any of the main tool(s) /equipment, it is found that back up tool(s)/equipment in working condition is not available, then Zero rate will be applicable immediately from the moment any tool(s)/equipment failure is detected in operation. Additionally, for tools other than the main tool(s)/equipment, penalty @ 100% of Operating rate of the faulty tool(s)/equipment will be levied from the start of the waiting period at surface till the replacement/back up tool(s)/equipment is available at site.	Contractor to ensure that at least 1(one) back-up tool/Equipment in working condition is always available against the main tool/equipment. If, in the event of breakdown of any of the main tool(s) /equipment, it is found that back up tool(s) /equipment in working condition is not available, then Zero rate will be applicable immediately from the moment any tool(s) /equipment failure is detected in operation. Additionally, for tools other than the main tool(s)/equipment, penalty @ 100% of Operating rate of the faulty tool(s) /equipment will be levied from the start of the waiting period at surface till the replacement/back up tool(s)/equipment is available at site.	Request OIL to amend the clause	Please refer ENCLOSURE-B.
6.	SOW 6.0 Key Personnel (a)	Maximum age for Directional Driller, MWD/LWD Engineer and Base Co-ordinator should not exceed 56 years as on the original bid closing date of this Tender.	Maximum age for Directional Driller, MWD/LWD Engineer and Base Co-ordinator should not exceed 60 years 56 years as on the original bid closing date of this Tender.	Request OIL to amend the clause	No change
7.	SOW 6.0 Key Personnel (b)	The Directional Drillers and MWD/LWD Engineers should have an overall experience of at least 03 years for Graduate Engineer /Post Graduate in Geo-Science Discipline, or 04 years for Diploma Engineer in relevant field.	The Directional Drillers and MWD/LWD Engineers should have an overall experience of at least 03 years for Graduate Engineer /Post Graduate in Geo-Science Discipline, or 03 04 years for Diploma Engineer in relevant field.	Request OIL to amend the clause	No change

Item no.	Article/section number	Wording/clause In the bid document	New wording/exception proposed by bidder	Reason(s) for exception	OIL's Response
8.	SOW 6.0 Key Personnel, Base Coordinator	The Contractor shall depute an experienced Base Coordinator at the Company's base in Duliajan, having minimum 5 (five) years of relevant field experience in Directional Drilling for the entire duration of the Contract for smooth execution of the project.	The Contractor shall depute an experienced Base Coordinator at the Company's base in Duliajan, having minimum 3 (Three) 5 (five) years of relevant field experience in Directional Drilling for the entire duration of the Contract for smooth execution of the project.	Request OIL to amend the clause	No change
9.	SOW 6.0 Key Personnel, Specific points for personnel	Company reserves the right to instruct for removal of any Contractor's personnel who in the opinion of Company is technically not competent or not rendering the services faithfully, or due to other reasons. The replacement of such personnel will also be fully at cost of the Contractor and the Contractor shall have to replace this/these personnel within Ten (10) days of such instruction	Company reserves the right to instruct for removal of any Contractor's personnel who in the opinion of Company is technically not competent or not rendering the services faithfully, or due to other reasons. The replacement of such personnel will also be fully at cost of the Contractor and the Contractor shall have to replace this/these personnel within 28 (Twenty-Eight) days Ten (10) days of such instruction	Request OIL to amend the clause	No change
10.	Annexure – II, Details of collar based MWD tool for 17.½", 12.¼", 8.½" & 6" hole sections, Flow Range	17½" hole section- Min. Flow Rate: 400 GPM or less & Max. Flow Rate: 900GPM or more For 12¼" hole section- Min. Flow Rate: 400 GPM or less & Max. Flow Rate: 750 GPM or more. For 8½" hole section- Min. Flow Rate: 300 GPM or less & Max. Flow Rate: 550GPM or more.	17½" hole section- Min. Flow Rate: 450 GPM 400 GPM or less & Max. Flow Rate: 900GPM or more For 12¼" hole section- Min. Flow Rate: 450 GPM 400 GPM or less & Max. Flow Rate: 750 GPM or more. For 8½" hole section- Min. Flow Rate: 350 GPM 300 GPM or less & Max. Flow Rate: 550GPM or more.	Request OIL to amend the clause	Please refer ENCLOSURE-B.
11.	Annexure-III 2.0, Specification of 7¼"/8"/8.¼" Steerable Downhole Mud Motor	Min. Flow Rate: 390 GPM or less	Min. Flow Rate: 450 GPM 390 GPM or less.	Request OIL to amend the clause	Please refer ENCLOSURE-B.
12.	Annexure-III 3.0, Specification of 6½"/6¾" Steerable Downhole Mud Motor	Min. Flow Rate: 300 GPM or less	Min. Flow Rate: 320 GPM 300 GPM or less.	Request OIL to amend the clause	Please refer ENCLOSURE-B.

RESPONSES TO PRE-BID QUERIES OF M/S HALLIBURTON AGAINST TENDER NO. CDG9298P26

S. No.	Clause No. of Bidding Documents	Sub-Clause	Tender Clause	Changes/Modifications Proposed by <u>M/s Halliburton</u>	Remarks	OIL's Response
1	PART-2 BID EVALUATION CRITERIA (BEC)	2.2 EXPERIENCE CRITERIA Page No. - 33	(C) The bidder or its tie-up partner (as per Note (a) of Clause No. 2.1 above) should have experience of providing Mud engineering services to any E&P Company (Company involved in Exploration & Production of Oil & Gas) for minimum 02(Two) years under a single contract and additionally should have completed Mud engineering service in at least 03(Three) wells of minimum 3000m depth in the last 7(seven) years reckoned from the original bid closing date.	Bidder requests company for following changes:- (C) The bidder or its tie-up partner (as per Note (a) of Clause No. 2.1 above) should have experience of providing Mud engineering services to any E&P Company (Company involved in Exploration & Production of Oil & Gas) for minimum 02(Two) years under a single contract and additionally should have completed Mud engineering service in at least 03(Three) wells of minimum 3000m 2500m depth in the last 7(seven) years reckoned from the original bid closing date. Also, make changes in the subsequent pages giving reference of this clause. (Page-34)		Please refer ENCLOSURE-A.
2	PART-3 SECTION-II SCOPE OF WORK	10.3 CENTRIFUGE SERVICES Note: Page No. - 119	2. In case of non-availability of Mud Engineer during operation, penalty will be levied at the rate of 10% of the Operating Day rate of the RSS- whichever is higher of all the four sections (for each non-available person) till suitable replacement duly approved by Oil India Ltd. arrives.	2. In case of non-availability of Mud Engineer during operation, penalty will be levied at the rate of 10% of the Operating Day rate of the RSS- whichever is higher of all the four sections Mud Engineer (for each non-available person) till suitable replacement duly approved by Oil India Ltd. arrives.		No change
3	PART-3 SECTION-II SCOPE OF WORK	10.13 PENALTY CLAUSE:	a) In case of non-availability of the chemicals (One or many) as indicated in (TableIII) which amounts to suspension of operation, ZERO rate and applicable penalty will be levied on directional services and mud services till the stock is replenished.	As OIL at its discretion can utilize mud engineering services independent of directional services therefore bidder request for following modification :- a) In case of non-availability of the chemicals (One or many) as indicated in (TableIII) which amounts to suspension of operation, ZERO rate and applicable penalty will be levied on directional services and mud services till the stock is replenished.		No Change

S. No.	Clause No. of Bidding Documents	Sub-Clause	Tender Clause	Changes/Modifications Proposed by <u>M/s Halliburton</u>	Remarks	OIL's Response
4	PART-3 SECTION-II SCOPE OF WORK	10.13 PENALTY CLAUSE: Page No. - 140	c) In case of non-availability of the chemicals as indicated in (Table-III) (One or many), and for continuity of operation, OIL is required to provide the support subject to availability, then 1.5 times of OIL's latest PO rate or quoted rate of the contractor whichever is higher will be recovered from the contractor on actual consumption under those circumstances.	Bidder requests company for following changes :- c) In case of non-availability of the chemicals as indicated in (Table-III) (One or many), and for continuity of operation, OIL is required to provide the support subject to availability, then 1.5 times of OIL's latest PO rate or quoted rate of the contractor whichever is higher will be recovered from the contractor on actual consumption under those circumstances.		No change
5	PART-3 SECTION-III SPECIAL CONDITIONS OF CONTRACT (SCC)	2.0 MOBILIZATION: 2.4 Interim De- mobilization Page No. - 142	Individual set(s) and Personnel as per the scope of work as indicated by OIL shall have to be de-mobilized on interim basis by the Contractor within 03 (three) days' notice period from the date of issuance of interim demobilization notice.	Bidder requests company for following changes:- Individual set(s) and Personnel as per the scope of work as indicated by OIL shall have to be de-mobilized on interim basis by the Contractor within 03 (three) 07 (seven) days notice period from the date of issuance of interim demobilization notice.		No Change
6	PART-3 SECTION-III SPECIAL CONDITIONS OF CONTRACT (SCC)	28. HEALTH, SAFETY & ENVIRONMENT (HSE) POINTS: Page No. - 156	28.26 Contractor shall keep a reasonable degree of order by disposing of accumulated rubbish and excess material. Disposal of solid wastes generated by the Contractor shall be in accordance with the company's Procedure for Solid Waste Management. The Contractor Personnel have to take every possible care to keep the environment clean and free from pollution.	As waste disposal will be under Company scope, bidder request to modify as under: 28.26 Contractor shall keep a reasonable degree of order by disposing of accumulated rubbish and excess material. Disposal of solid wastes generated by the Contractor shall be in accordance with the company's Procedure for Solid Waste Management. The Contractor Personnel have to take every possible care to keep the environment clean and free from pollution.		No change
7	PART-3 SECTION-III SPECIAL CONDITIONS OF CONTRACT (SCC)	28. HEALTH, SAFETY & ENVIRONMENT (HSE) POINTS: Page No. - 156	28.33 The availability of First-Aid Fire Fighting equipment should be ensured by the Contractor at all working hours.	As fire fighting equipment at drill site is Company responsibility, bidder request to modify as under: 28.33 The availability of First-Aid Fire Fighting equipment should be ensured by the Contractor at all working hours.		No change

S. No.	Clause No. of Bidding Documents	Sub-Clause	Tender Clause	Changes/Modifications Proposed by <u>M/s Halliburton</u>	Remarks	OIL's Response
8	"PART-3 SECTION-II SCOPE OF WORK "	10.0 MUD ENGINEERING SERVICES 10.2 Scope of Work Page No. - 118	The contractor will have to submit personnel resume in respect of all the on-site mud engineers for OIL approval prior to start of operation along with other supporting documents.	Bidder request company to kindly clarify if this needs to be submitted after award of the contract.		Clarified. Please refer ENCLOSURE-B for Undertaking to be submitted for Mud Engineer.
9	General			All reimbursements / charge-backs to the customer will be subject to output GST @12%.		Applicability as per GST Act
10	PROFORMA-Q AGREEMENT FORM	2 Pg. 199	In addition to documents herein above, the following Sections and Annexures attached herewith shall be deemed to form and be read and construed as part of this agreement viz.: (a) PART-I indicating the General Conditions of this Contract (b) PART-II indicating the Scope of Work/Terms of Reference (c) PART-III indicating the Special Conditions of Contract (d) PART-V indicating the Schedule of Rates	Please confirm the order of precedence of contract.		Clarified
11	PART-3 SECTION-I GENERAL CONDITIONS OF CONTRACT (GCC)	14.9 Pg 68	If any of the above policy expire or/are cancelled during the term of this CONTRACT and CONTRACTOR fails for any reason to renew such policies, OIL in no case shall be liable for any loss/damage occurred during the term when the policy is not effective. Furthermore, a penal interest @ 1% of the Total contract value shall be charged towards not fulfilling of the contractual obligations. Notwithstanding above, should there be a lapse in any insurance required to be taken by the Contractor for any reason whatsoever, loss/damage claims resulting therefrom shall be to the sole account of Contractor.	Bidder request to modify as under as Contractor has already indemnified Company in preceding line for any loss if Contractor fails to renew such policy. If any of the above policy expire or/are cancelled during the term of this CONTRACT and CONTRACTOR fails for any reason to renew such policies, OIL in no case shall be liable for any loss/damage occurred during the term when the policy is not effective. Furthermore, a penal interest @ 1% of the Total contract value shall be charged towards not fulfilling of the contractual obligations. Notwithstanding above, should there be a lapse in any insurance required to be taken by the Contractor for any reason whatsoever, loss/damage claims resulting therefrom shall be to the sole account of Contractor.		No change

S. No.	Clause No. of Bidding Documents	Sub-Clause	Tender Clause	Changes/Modifications Proposed by <u>M/s Halliburton</u>	Remarks	OIL's Response
12	PART-3 SECTION-II SCOPE OF WORK	Note ii pg 105	Contractor to ensure that at least 1(one) back-up tool/Equipment in working condition is always available against the main tool/equipment. If, in the event of breakdown of any of the main tool(s)/equipment, it is found that back up tool(s)/equipment in working condition is not available, then Zero rate will be applicable immediately from the moment any tool(s)/equipment failure is detected in operation. Additionally, for tools other than the main tool(s)/equipment, penalty @ 100% of Operating rate of the faulty tool(s)/equipment will be levied from the start of the waiting period at surface till the replacement/back up tool(s)/equipment is available at site.	Bidder request to remove the penalty as Contractor is already on zero rate. Contractor to ensure that at least 1(one) back-up tool/Equipment in working condition is always available against the main tool/equipment. If, in the event of breakdown of any of the main tool(s)/equipment, it is found that back up tool(s)/equipment in working condition is not available, then Zero rate will be applicable immediately from the moment any tool(s)/equipment failure is detected in operation. Additionally, for tools other than the main tool(s)/equipment, penalty @ 100% of Operating rate of the faulty tool(s)/equipment will be levied from the start of the waiting period at surface till the replacement/back up tool(s)/equipment is available at site.		Please refer ENCLOSURE-B.
13	PART-3 SECTION-II SCOPE OF WORK	Note 2) pg 119	In case of non-availability of Mud Engineer during operation, penalty will be levied at the rate of 10% of the Operating Day rate of the RSS- whichever is higher of all the four sections (for each non-available person) till suitable replacement duly approved by Oil India Ltd. arrives. In case of non-availability of Centrifuge operator during operation, penalty will be levied at the rate of 10% of the Operating Day rate of the Centrifuge (for each non-available person) till suitable replacement duly approved by Oil India Ltd. arrives.	In case of non-availability of Mud Engineer during operation, penalty will be levied at the rate of 10% of the Operating Day rate of the RSS- whichever is higher of all the four sections (for each non-available person) zero rate shall be paid till suitable replacement duly approved by Oil India Ltd. arrives. In case of non-availability of Centrifuge operator during operation, penalty will be levied at the rate of 10% of the Operating Day rate of the Centrifuge (for each non-available person) zero rate shall be paid till suitable replacement duly approved by Oil India Ltd. arrives.		No change

S. No.	Clause No. of Bidding Documents	Sub-Clause	Tender Clause	Changes/Modifications Proposed by <u>M/s Halliburton</u>	Remarks	OIL's Response
14	PART-3, SECTION-III SPECIAL CONDITIONS OF CONTRACT (SCC) PAGE- 147 OF 285	PART-3, SECTION-III SPECIAL CONDITIONS OF CONTRACT (SCC) PAGE- 147 OF 285	12.0 WORKSHOP FACILITY: Company will extend the in-house workshop facility for Contractor's Tools & Equipment without hampering Company's own work schedule. The workshop facility will be chargeable depending on quantum of job involving man/material/time. The workshop facility may not be charged to Contractor in case of minor nature of repairing job requiring very nominal time. The decision of Company's representative in this regard shall be final and binding	Bidder request company to provide the workshop facility to keep contractor tools and equipment in non operating time as it will be easy and convenient to transport the tools and equipment to rig site from Company yard.		No change
15	PART-3 SECTION-II SCOPE OF WORK	x) Quality Control: e) Pg 133	After issuing LOA, the Service Provider shall submit minimum 1kg/1L of each chemical as a Pre-despatch sample for performance evaluation as per API/BIS/OIL specifications at Chemical Laboratory, Duliajan. Bidder to take a note that only after successful evaluation of the supplied sample, they will be allowed to bring the chemicals for mobilization. It is to be noted that performance evaluation of the samples will take minimum 30 days, hence bidder's are requested to plan accordingly for on time mobilization.	For timely mobilization, Bidder request to revise as under: After issuing LOA, the Service Provider shall submit minimum 1kg/1L of each chemical as a Pre-despatch sample for performance evaluation as per API/BIS/OIL specifications at Chemical Laboratory, Duliajan. Bidder to take a note that only after successful evaluation of the supplied sample, they will be allowed to bring the chemicals for mobilization. It is to be noted that performance evaluation of the samples will take maximum minimum 30 days, hence bidder's are requested to plan accordingly for on time mobilization.		No Change

S. No.	Clause No. of Bidding Documents	Sub-Clause	Tender Clause	Changes/Modifications Proposed by <u>M/s Halliburton</u>	Remarks	OIL's Response
16	PART-3 SECTION-II SCOPE OF WORK	GROUP-I) 7.0 DETAILS OF EQUIPMENT & SERVICES REQUIREMENT: Page No. 98 of 336 And (GROUP-II) 7.0 DETAILS OF EQUIPMENT & SERVICES REQUIREMENT: Page No.116 of 336	ix) Real Time Data Monitoring Services: Real Time Data Monitoring Services at rig site as well as at Company's base office in Duliajan for 24x7 monitoring of Directional Drilling Operation to be provided both in desktop version and in mobile app. All logs of MWD/LWD tools and drilling mechanics , i.e., Gamma, Resistivity, ROP, Temp, ECD, Survey, RPM, WOB, SPP, Flow, Hook load curve etc. should be available in the system. No additional charges will be payable for this service. viii) Real Time Data Monitoring Services: Real Time Data Monitoring Services at rig site as well as at Company's base office in Duliajan for 24x7 monitoring of Directional Drilling Operation to be provided both in desktop version and in mobile app. All logs of MWD/LWD tools and drilling mechanics , i.e., Gamma, Resistivity, ROP, Temp, ECD, Survey, RPM, WOB, SPP, Flow, Hook load curve etc. should be available in the system. No additional charges will be payable for this service.	ix) Real Time Data Monitoring Services: Real Time Data Monitoring Services at rig site as well as at Company's base office in Duliajan for 24x7 monitoring of Directional Drilling Operation to be provided both in desktop version and in mobile app. All logs of MWD/LWD tools and drilling mechanics , i.e., Gamma, Resistivity, ROP, Temp, ECD, Survey, RPM, WOB, SPP, Flow, Hook load curve etc. should be available in the system. No additional charges will be payable for this service. viii) Real Time Data Monitoring Services: Real Time Data Monitoring Services at rig site as well as at Company's base office in Duliajan for 24x7 monitoring of Directional Drilling Operation to be provided both in desktop version and in mobile app. All logs of MWD/LWD tools and drilling mechanics , i.e., Gamma, Resistivity, ROP, Temp, ECD, Survey, RPM, WOB, SPP, Flow, Hook load curve etc. should be available in the system. No additional charges will be payable for this service.		These clauses are not as per the subject tender Please refer ENCLOSURE-B.
17	PART-3 SECTION-II SCOPE OF WORK	GROUP-I) 7.0 DETAILS OF EQUIPMENT & SERVICES REQUIREMENT: Page No. 98 of 336 And (GROUP-II) 7.0 DETAILS OF EQUIPMENT & SERVICES REQUIREMENT: Page No.116 of 336	ix) Real Time Data Monitoring Services: Real Time Data Monitoring Services at rig site as well as at Company's base office in Duliajan for 24x7 monitoring of Directional Drilling Operation to be provided both in desktop version and in mobile app. viii) Real Time Data Monitoring Services: Real Time Data Monitoring Services at rig site as well as at Company's base office in Duliajan for 24x7 monitoring of Directional Drilling Operation to be provided both in desktop version and in mobile app.	Bidder requests the Company to note that the Real Time data can be accessed by the Company Authorized Personnel via an online interface and will not require a separate Desktop or a Mobile App to be provided by the Bidder.		These clauses are not as per the subject tender

S. No.	Clause No. of Bidding Documents	Sub-Clause	Tender Clause	Changes/Modifications Proposed by <u>M/s Halliburton</u>	Remarks	OIL's Response
18	PART-3 SECTION-II SCOPE OF WORK	PART-3 (SECTION-II): SOW Page No. 94/112 of 336	6.0 The Contractor is required to comply with following specified requirements: ii) To provide the 5"/ 3½" Drill Pipe Screen, Safety clamps for Contractor's BHA, backup tools/equipment with sufficient spares & consumables.	6.0 The Contractor is required to comply with following specified requirements: ii) To provide the 5"/ 3½" Drill Pipe Screen, Safety clamps for Contractor's BHA , backup tools/equipment with sufficient spares & consumables.	Bidder request the Company to note that the bidders tools proposed are of standard sizes and the safety clamps for the same are provided by the Rig Contractor.	This clause is not as per the subject tender
19	PART-3 (SECTION-IV): SOR	SCHEDULE OF RATE Page No.162/163 of 336	4.0 OPERATIONAL CHARGES OF TOOLS & EQUIPMENT INCLUDING PERSONNEL: 4.2 (I) For Group-I : FOR REGULAR SETS : RENTAL CHARGES SHALL BE PAYABLE FROM THE TIME OF COMPLETION OF MOBILIZATION TILL THE TIME OF DE-MOBILIZATION DURING WHEN THE TOOLS AND EQUIPMENT ARE IN FUNCTIONAL CONDITION. DURING APPLICABLE OPERATING PERIOD MENTIONED ABOVE, OPERATING CHARGES SHALL BE PAYABLE IN ADDITION TO THE RENTAL CHARGES. 4.2 (II) For Group-II : RENTAL CHARGES SHALL BE PAYABLE FROM THE TIME OF COMPLETION OF MOBILIZATION TILL THE TIME OF DE-MOBILIZATION DURING WHEN THE TOOLS AND EQUIPMENT ARE IN FUNCTIONAL CONDITION. DURING APPLICABLE OPERATING PERIOD MENTIONED ABOVE, OPERATING CHARGES SHALL BE PAYABLE IN ADDITION TO THE RENTAL CHARGES.	Bidder would request the Company to confirm that in case of the Main Tool is Below Rotary, the Standby Charges for the Backup tool on surface shall be payable.		Clarified However, these clauses are not as per the subject tender

S. No.	Clause No. of Bidding Documents	Sub-Clause	Tender Clause	Changes/Modifications Proposed by <u>M/s Halliburton</u>	Remarks	OIL's Response
20	PART-3 SECTION-II SCOPE OF WORK	10.13 PENALTY CLAUSE b) pg 140	If during the operations, any chemical as indicated in (Table-III) is found to be substandard after testing or stock out situation of any chemical, contractor shall replace / replenish the materials within 15 days without any extra cost to OIL. All expenditure including transportation of rejected materials will be borne by the Contractor. It is to be noted that due to rejection of chemicals after nonconformity of laboratory testing or arising out of any stock out situation due to unplanned supply chain, ZERO rate to mud engineering services will be applicable with immediate effect till the replenishment of stock. Contractor should take enough measures for maintaining quality/quantity of chemicals to avoid such type of situations.	Bidder request to restrict penalty only if operations are suspended due to shortage of inventory: If during the operations, any chemical as indicated in (Table-III) is found to be substandard after testing or stock out situation of any chemical, contractor shall replace / replenish the materials within 15 30 days without any extra cost to OIL. All expenditure including transportation of rejected materials will be borne by the Contractor. It is to be noted that due to rejection of chemicals after nonconformity of laboratory testing or arising out of any stock out situation due to unplanned supply chain, ZERO rate to mud engineering services will be applicable with immediate effect till the replenishment of stock if operations are suspended due to shortage of any stock . Contractor should take enough measures for maintaining quality/quantity of chemicals to avoid such type of situations.		Please refer ENCLOSURE-B.
21	PART-3 SECTION-III SPECIAL CONDITIONS OF CONTRACT (SCC)	2.6 Note Pg. 143	For mobilization, OIL will issue mobilization notice after issuance of LOA.	Please confirm Mobilization notice will be issued within how many days from the date of LOA.		Within a very short period
22	PART-3 SECTION-III SPECIAL CONDITIONS OF CONTRACT (SCC)	5.1 Pg. 143	Time is the essence of this Contract. In the event of the Contractor's default in timely mobilization for commencement of operations within the stipulated period, the Contractor shall be liable to pay liquidated damages @ 0.5% of total contract value for the particular set/ contract value of Mud engineering chemicals including mobilization & demobilization cost, per week or part thereof of delay subject to maximum of 7.5% of total contract value for the particular set/total contract value of Mud engineering chemicals including mobilization & demobilization cost. Liquidated Damages will be reckoned from the expiry date of the scheduled mobilisation period as defined under Clause No. 2.0 above. The above LD will be calculated for each set / Mud engineering chemicals separately.	Time is the essence of this Contract. In the event of the Contractor's default in timely mobilization for commencement of operations within the stipulated period, the Contractor shall be liable to pay liquidated damages @ 0.5% of total total annualized contract value for the particular set/ contract value of Mud engineering chemicals including mobilization & demobilization cost, per week or part thereof of delay subject to maximum of 7.5% of total total annualized contract value for the particular set/total contract value of Mud engineering chemicals including mobilization & demobilization cost. Liquidated Damages will be reckoned from the expiry date of the scheduled mobilisation period as defined under Clause No. 2.0 above. The above LD will be calculated for each set / Mud engineering chemicals separately.		No change

S. No.	Clause No. of Bidding Documents	Sub-Clause	Tender Clause	Changes/Modifications Proposed by <u>M/s Halliburton</u>	Remarks	OIL's Response
23	PART-3 SECTION-III SPECIAL CONDITIONS OF CONTRACT (SCC)	PART-3 SECTION-III SPECIAL CONDITIONS OF CONTRACT (SCC) Page 147	35.10 The health check-up of Contractor's personnel is to be done by the Contractor in OIL empanelled Hospital and the reports and statutory forms as applicable to be vetted from the OIL authorized Medical Officer. The frequency of periodic medical examinations should be every five years for the employees up to 45 years of age and every three years for employees of 45 years of age and above. Initial Medical Examination should be in line with the standard followed by OIL.	35.10 The health check-up of Contractor's personnel is to be done by the Contractor in OIL empanelled Hospital and the reports and statutory forms as applicable to be vetted from the OIL authorized Medical Officer. The frequency of periodic medical examinations should be every five years for the employees up to 45 years of age and every three years for employees of 45 years of age and above. Initial Medical Examination should be in line with the standard followed by OIL.	Bidder would request the Company to allow the Medical Certificates from any recognized / industry approved Hospital within India.	This clause is not as per the subject tender
24	PART-3 SECTION-III SPECIAL CONDITIONS OF CONTRACT (SCC)	10.2 pg 146	Well-site Accommodation	Please confirm that Company will provide electricity free of cost for accommodation.		Electricity will be free of cost for well site accommodation.
25	PART-3 SECTION-III SPECIAL CONDITIONS OF CONTRACT (SCC)	11.4 Pg 147	Ingress and Egress at location: Company shall provide contractor requisite certificates for obtaining rights of ingress to egress from the locations, where wells are to be drilled, including any certificate required for permits or licenses for the movement of contractor's personnel. Should such permits/ licenses be delayed because of objections of appropriate authorities in respect of specific Contractor's personnel, such personnel should be promptly removed from the list by the Contractor and replaced by acceptable personnel. For any stoppage of operations for such delays, no day rate shall be payable.	Ingress and Egress at location: Company shall provide contractor requisite certificates for obtaining rights of ingress to egress from the locations, where wells are to be drilled, including any certificate required for permits or licenses for the movement of contractor's personnel. Should such permits/ licenses be delayed because of objections of appropriate authorities in respect of specific Contractor's personnel, such personnel should be promptly removed from the list by the Contractor and replaced by acceptable personnel. For any stoppage of operations for such delays, no day rate shall be payable except such delay is due to Contractor's default.		No change

S. No.	Clause No. of Bidding Documents	Sub-Clause	Tender Clause	Changes/Modifications Proposed by <u>M/s Halliburton</u>	Remarks	OIL's Response
26	PART-3 SECTION-III SPECIAL CONDITIONS OF CONTRACT (SCC)	17.0 i) Pg. 148	Notwithstanding any provision under this contract to the contrary, Company shall assume liability except in the event of Wilful Misconduct or Gross Negligence on the part of the contractor for loss to the contractor's equipment/ tool in hole below rotary table, subject to conditions prescribed herein below. Company shall reimburse the contractor for the value of lost equipment/ tool as declared in the import invoices at the time of import (for foreign items)/ purchase invoice (for indigenous items) or CIF value declared in the contract in the list of imported items (for foreign items) whichever is lower for any such loss, less depreciation @ 3% per month or part thereof from the date of import invoice/indigenous invoice up to a maximum depreciation equivalent to 50% of CIF value as per import invoice or as indicated in the contract, whichever is lower, (for imported items)/Ex-works value (for indigenous item) as per purchase invoice.	Bidder request to include repair cost and modify as under: Notwithstanding any provision under this contract to the contrary, Company shall assume liability except in the event of Wilful Misconduct or Gross Negligence on the part of the contractor for loss or damage to the contractor's equipment/ tool in hole below rotary table, subject to conditions prescribed herein below. Company shall reimburse the contractor for the value of lost or damaged beyond repair or repair cost of equipment/ tool as declared in the import invoices at the time of import (for foreign items)/ purchase invoice (for indigenous items) or CIF value declared in the contract in the list of imported items (for foreign items) whichever is lower for any such loss, less depreciation @ 3% per month or part thereof from the Commencement Date of import invoice/indigenous invoice up to a maximum depreciation equivalent to 50% of CIF value as per import invoice or as indicated in the contract, whichever is lower, (for imported items)/Ex-works value (for indigenous item) as per purchase invoice.		No change
27	PART-3 SECTION-III SPECIAL CONDITIONS OF CONTRACT (SCC)	17.0 iii) Pg. 148	For claims of lost equipment/tools, contractor must intimate the Company of his intention to lodge claim in writing within one month of the declaration of lost tool by company and final claim thereof must be made within six months of the date of the lost tool or before expiry of the Contract, whichever is earlier.	For claims of lost or damaged beyond repair or repair cost of equipment/tools, contractor must intimate the Company of his intention to lodge claim in writing within one month of the declaration of lost or damaged beyond repair or repair cost of tool by company and final claim thereof must be made within six months of the date of the lost tool or before expiry of the Contract, whichever is earlier.		No change

S. No.	Clause No. of Bidding Documents	Sub-Clause	Tender Clause	Changes/Modifications Proposed by <u>M/s Halliburton</u>	Remarks	OIL's Response
28	PART-3 SECTION-III SPECIAL CONDITIONS OF CONTRACT (SCC)	17.0 iv) Pg. 149	Company shall declare the Loss in Hole immediately after the fishing operation is called off upon non-retrieval of the downhole items and intimate the Contractor, so that replacement and claim for the loss of downhole items can be done within the stipulated time. The Contractor should replace the lost tool(s)/equipment within a stipulated time of 60 Days from the date of declaration of Lost in Hole by the Company. During initial 30 days from the date of declaration of Lost in Hole by the Company, payment at the rate of 50% of the Standby Charges will be payable for the set(s) from the time of declaration of the LIH only if the backup tool(s)/equipment are in operational conditions. Beyond these 30 days period, Zero Standby Charges will be applicable till the replenishment of tool(s)/equipment by the contractor is done after due inspection and certification by the Company's representative. The Company at its discretion may decide on utilization of the set(s) without the back-up tool(s)/equipment considering the operational urgency and in such case Operating Charges will be paid till stipulated time of 60 days. However, if the set(s) are utilized without the back-up tool(s)/equipment considering the operational urgency beyond stipulated 60 days, in such case only 70% of Operating Charges will be paid till the replenishment of tool(s)/equipment by the Contractor is done after due inspection and certification by the Company's representative. During the course of utilization of the back-up tool(s)/equipment, if the same fails to operate, zero rate will be imposed immediately until replacement is provided and operation resumes.	Company shall declare the Loss in Hole immediately after the fishing operation is called off upon non-retrieval of the downhole items and intimate the Contractor, so that replacement and claim for the loss of downhole items can be done within the stipulated time. The Contractor should replace the lost tool(s)/equipment within a stipulated time of 60 Days from the date of declaration of Lost in Hole or damage or Damaged Beyond Repair by the Company. During initial 30 60 days from the date of declaration of Lost in Hole or damage or Damaged Beyond Repair by the Company, payment at the rate of 50% of the Standby Charges will be payable for the set(s) from the time of declaration of the LIH or damage or DBR only if the backup tool(s)/equipment are in operational conditions. Beyond these 60 30 days period, Zero Standby Charges will be applicable till the replenishment of tool(s)/equipment by the contractor is done after due inspection and certification by the Company's representative. The Company at its discretion may decide on utilization of the set(s) without the back-up tool(s)/equipment considering the operational urgency and in such case Operating Charges will be paid till stipulated time of 60 days. However, if the set(s) are utilized without the back-up tool(s)/equipment considering the operational urgency beyond stipulated 60 days, in such case only 70% of Operating Charges will be paid till the replenishment of tool(s)/equipment by the Contractor is done after due inspection and certification by the Company's representative.		No change
29	PART-3 SECTION-III SPECIAL CONDITIONS OF CONTRACT (SCC)		In case of loss of indigenous items used in the downhole assembly which were declared and inspected as part of mobilization, will also be covered for LIH reimbursement on the basis of purchase invoice submitted during the time of mobilization.	In case of loss of indigenous items used in the downhole assembly which were declared and inspected as part of mobilization, will also be covered for LIH or DBR or repair reimbursement on the basis of purchase invoice submitted during the time of mobilization.		No change

S. No.	Clause No. of Bidding Documents	Sub-Clause	Tender Clause	Changes/Modifications Proposed by <u>M/s Halliburton</u>	Remarks	OIL's Response
30	PART-3 SECTION-III SPECIAL CONDITIONS OF CONTRACT (SCC)	18.0 Pg. 149	DOCUMENTATION OF LOSS: a) List of the Equipment lost, b) Particulars of import, Customs assessed Bill of entry & invoices, c) Vouchers, invoices or any other documents indicating the date of first use of the Equipment in India, d) Documentary evidence/self-declaration/undertaking as per Format stating that the particular tool(s)/equipment in question is/are not covered by Contractor's insurance.	DOCUMENTATION OF LOSS: a) List of the Equipment lost, damaged, damaged beyond repair b) Particulars of import, Customs assessed Bill of entry & invoices, c) Vouchers, invoices or any other documents indicating the date of first use of the Equipment in India, d) Documentary evidence/self-declaration/undertaking as per Format stating that the particular tool(s)/equipment in question is/are not covered by Contractor's insurance.		No change
31	PART-3 SECTION-III SPECIAL CONDITIONS OF CONTRACT (SCC)	31.2 Pg. 162	Provision of EC for import.	Please amend the clause as EC for imports are provided by Company.		No Change
32	PART-3 SECTION-III SPECIAL CONDITIONS OF CONTRACT (SCC)	32.0 Pg. 163	DEMOBILISATION & RE-EXPORT:	Please include "Transfer to SEZ or Block Transfer shall be considered as re-export."		No Change
33	Part-3 SECTION-IV SCHEDULE OF RATES (SOR)	E. ii) Pg 173	All rates shown in Schedule of Rates shall be restricted to 50% of Stand by charges for the service being provided by Contractor at the time of occurrence of 'force majeure' condition irrespective of the operation being carried out. This will be considered as FORCE MAJEURE RATE under all conditions.	All rates shown in Schedule of Rates shall be restricted to 50% of Operating Stand by charges for the service being provided by Contractor at the time of occurrence of 'force majeure' condition irrespective of the operation being carried out. This will be considered as FORCE MAJEURE RATE under all conditions.		No change
34	Part-3 Section-II	3.3.1 TOOLS, EQUIPMENT & SERVICES FOR 17.1/2" HOLE SECTION: Pg 100	RSS-SDMM + directional MWD + Jar are to be provided for drilling 17.1/2" hole as a complete package.	Bidder requests the Company to include the Annual Pressure and Temperature tool in line with other hole sections for monitoring ECD, which is important for optimized drilling with RSS.		No change
35	Part-3 Section-II	Annexure IV Specifcatons of 4 3/4" OD Jar Pg 244	Specifications of 4 3/4" OD Jar ID : 2 1/4" / 2 1/2"	Bidder requests the Company to accept nominal ID of 4 3/4" Jar as 2"		Please refer ENCLOSURE-B.

S. No.	Clause No. of Bidding Documents	Sub-Clause	Tender Clause	Changes/Modifications Proposed by <u>M/s Halliburton</u>	Remarks	OIL's Response
36	Part-3 Section-II	3.3 TOOLS AND EQUIPMENT Pg 99	Drilling Jar for 12 1/4" Section : 6 1/2" ot 6 3/4"	Bidder requests the Company to include the provision of 8" Jar for the 12.25" Hole Section along with the 6 1/2" or 6 3/4" Jar		No change
37	Part-3 Section-II	6.0 Key Personnel Pg 110, 111	Bidder shall confirm to provide qualified and experienced personnel under the following categories for running the well operation of OIL on round the clock basis: i) Directional Driller: Minimum 2 (two) nos. per set. ii) MWD/LWD Engineer: Minimum 2 (two) nos. per set.	Bidder requests that the minimum requirement be reduced to a total of three crew members per set. Round-the-clock operational coverage will be ensured through the integration of a Remote Operating Center and advanced drilling automation technologies		No change
38	Part 3, Section -II	5.0 DETAILS OF EQUIPMENT & SERVICES REQUIREMENT: Pg 107	Bidder to submit the MTBF certificate before mobilization.	Bidder requests to delete this clause .		No change
39	Annexure - VIII	SPECIFICATION OF ANNULUS PRESSURE AND TEMPERATURE MEASUREMENT TOOLS FOR 12 ¼", 8 ½" and 6" HOLE SIZE Pg. 251	Should be able to provide measurements in both OFF and ON conditions of the pumps.	Bidder requests to change to only Pumps ON measurements		Please refer ENCLOSURE-B.
40	Part-3 Section-II	6.0 Key Personnel: Directional Driller Pg 110, 111	However, OIL reserves the right to modify its requirement of onsite Directional Drillers anytime	Bidder requests to delete this clause		No change
41	Part 3, Section -II	5.0 DETAILS OF EQUIPMENT & SERVICES REQUIREMENT: Pg 107	Contractor to provide additional NMDC if required for MWD/LWD survey accuracy.	Bidder wishes to clarify that such NMDC is not a requirement for the Bidder's tools to ensure survey accuracy.		No change

S. No.	Clause No. of Bidding Documents	Sub-Clause	Tender Clause	Changes/Modifications Proposed by <u>M/s Halliburton</u>	Remarks	OIL's Response
42	Part 3, Section -II	8.0 HIRING OF ADDITIONAL SETS OF TOOLS/EQUIPMENT S & SERVICES Pg 114	Liquidated Damages for default in timely mobilization of additional set/s of tools and equipment including personnel will be as per "Special Conditions of Contract" in Section - III, Clause No. 5.0.	Bidder requests the company to delete the clause as there may be certain instances that the required resources might not be readily available for the additional requirement		No change
43	Part 3, Section -II	5.0 DETAILS OF EQUIPMENT & SERVICES REQUIREMENT: Pg 113	In case of non-availability of Base Coordinator during operation, there will be no deduction for 03 days against prior approval. Beyond 03 days, penalty will be levied at the rate of 10% of the Operating Day rate of the RSS- whichever is higher of all the four sections till suitable replacement duly approved by Oil India Ltd. arrives.	Bidder requests to modify this clause "In case of non-availability of Base Coordinator during operation, there will be no deduction for 03 07 days against prior approval. Beyond 03 07 days, penalty will be levied at the rate of 10% of the Operating Day rate of the RSS- whichever is higher of all the four sections till suitable replacement duly approved by Oil India Ltd. arrives. During the unavailability of the base coordinator, the operations can be carried out with virtual meetings		No change
44	Part 3, Section -II	5.0 DETAILS OF EQUIPMENT & SERVICES REQUIREMENT: (i) Well Planning Services: Pg 106	OIL will design the well trajectory and share the same along with other data with the contractor. Contractor shall accept the plan prior to start of directional drilling. However, contractor may suggest anticipated Torque & Drag, hydraulics and anti-collision for such plan. If required, well plan may be reviewed in consultation with the contractor to sort out any kind of well trajectory issues. In that case, the re-viewed plan must be accepted by the contractor. Thereafter, it shall be the responsibility of the Contractor to maintain the well profile of the hole as per plan till target depth of the particular section is reached.	OIL will design the well trajectory and share the same along with other data with the contractor. Contractor shall accept the plan prior to start of directional drilling. However, contractor may suggest anticipated Torque & Drag, hydraulics and anti-collision for such plan. If required, well plan may be reviewed in consultation with the contractor to sort out any kind of well trajectory issues. In that case, the re-viewed plan must be accepted by the contractor reviewed plan shall be mutually agreed upon by both OIL and the contractor. Thereafter, it shall be the responsibility of the Contractor to maintain the well profile of the hole as per plan till target depth of the particular section is reached planned well trajectory to the extent reasonably practicable, subject to prevailing wellbore conditions and operational constraints, until the target depth of the particular section is reached.		No change

RESPONSES TO PRE-BID QUERIES OF M/S SCHLUMBERGER AGAINST TENDER NO. CDG9298P26

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
PART 2 – BID EVALUATION CRITERIA (BEC)				
1.	Notes to Para 2.2.2(I) & 2.2.2(II) above:	<p>Please amend as below:</p> <p>(d) A certificate from Practicing Chartered Accountant or the Statutory Auditor of the bidding company to establish the relationship and equity percentage holding between bidding company and the supporting company. The certificate should be duly concurred/endorsed by the Company Secretary or one of the Directors of the company concerned.</p> <p>The above certificate should not be more than 30 days old as on the original bid closing date.</p>	<p>We request OIL to please make this change in the BEC and allow a certificate from practicing CA for this purpose.</p> <p>This was agreed in multiple recent tenders including:</p> <ul style="list-style-type: none"> ▪ GEM/2023/B/4250572 for Hiring of Services including supply of materials for Multilateral Drilling and Completion ▪ GEM/2024/B/4522437 for Hiring of Bundled Services comprising of Cementing and Mud Engineering Services for Drilling and Workover wells in Tulamara DSF Block Tripura for a period of 02 Two years with provision of extension for another 01 year under OIL, Duliajan ▪ CDG7089P25 for Hiring of Integrated Drilling Services (IDS)-3 for Drilling Wells in Assam and Arunachal Pradesh ▪ CDG1979P23 - Hiring of Integrated Drilling Services (IDS-1) 	No change
2.	IV Bid from Consortium Companies	<p>Please amend as below:</p> <p>(v) The leader of the consortium on behalf of the consortium shall coordinate with OIL during the period the bid is under evaluation as well as during the execution of works in the event contract is awarded and he shall also be responsible for resolving dispute/ misunderstanding/ undefined activities, if any, amongst all the consortium members. If the leader of the consortium changes during execution of the</p>	<p>We request deletion of the last sentence. If the leader of the consortium changes, OIL and the successful bidder can discuss and deliberate on the possible mechanisms and way around.</p>	No change

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
		contract (if awarded), the contract shall be liable for termination.		
3.	IV Bid from Consortium Companies	<p>Please amend as below:</p> <p>Payment shall be made by OIL only to the leader of the consortium towards fulfilment of contract obligations.</p> <p><u>OIL may consider direct payment to individual consortium members within the same vertical, provided the consortium, so formed is complied with the terms of the Circular No. 07/2016 dated 07th March, 2016 issued by the Central Board of Direct Taxes (CBDT). Besides, for direct payment required for their part of scope of works, the same should be clearly indicated in the bid as well as MoU along with member-wise details of price break-up.</u></p>	<p>It is requested that the leader of the consortium and each member of consortium should be paid separately against their respective invoice in their respective bank accounts.</p> <p>This has been agreed by OIL in multiple tenders including:</p> <ul style="list-style-type: none"> ▪ CDG7089P25 for Hiring of Integrated Drilling Services (IDS)-3 for Drilling Wells in Assam and Arunachal Pradesh ▪ CDG1979P23 - Hiring of Integrated Drilling Services (IDS-1) ▪ Tender No. CEG8433P25 for Hiring of Bundle Services inclusive of Marine Vessels and Shore Base Management to support drilling operations in Offshore Kerala Konkan Block KK-OSHP-2018/1 for a period of 07 months or till completion of 01 (one) well, extendable by another 07 (seven) months for an optional well or otherwise at the same rates, terms & conditions 	No Change
4.	IV Bid from Consortium Companies	<p>Certified copies (attested by Director/Company Secretary/Authorised Signatory) of Board resolutions/Partnership resolutions passed by respective Board of Directors of the companies/Partners of the LLP agreeing to enter into such consortium with each other for submission of bid for the NIT and also authorizing designated executives of each company/LLP to sign the MOU, to be provided along with the technical bid.</p>	<p>As the general POA issued to the signatory does not exclude 'agreeing on consortium bid', we request OIL to confirm that a general Power of Attorney issued is acceptable.</p> <p>This was confirmed by OIL in multiple tenders including:</p> <ul style="list-style-type: none"> ▪ Tender No. CEG3796P24 for Hiring of Bundle Services for supporting Drilling Operations in Offshore Andaman Blocks AN-OSHP-2018/1 & ANOSHP-2018/2 ▪ Tender No. CEG8433P25 for Hiring of Bundle Services inclusive of Marine Vessels and Shore Base Management to support drilling operations in Offshore Kerala Konkan Block KK-OSHP-2018/1 for 	No Change

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
			a period of 07 months or till completion of 01 (one) well, extendable by another 07 (seven) months for an optional well or otherwise at the same rates, terms & conditions	
5.	2.2.3	Please delete the following requirement: Bidders quoting on the technical strength of Parent/ Subsidiary/ Sister Subsidiary / Consortium member / Joint Venture partner Company's experience (who qualifies the technical requirement as per the tender qualifying criteria) should provide the respective services from the identified party (Supporting Company) on whose strength the bidder meets the qualifying criteria including key personnel for a minimum duration of 50% of the initial Contract period during execution of the contract. Declarations in this regard from the bidder as well as the Supporting Company are required to be submitted along with the un-priced techno-commercial bid as per format enclosed vide Annexure-G.	We request OIL to kindly remove this requirement to provide services from supporting company. In most cases, the supporting company will be a foreign based company, and this requirement would need the foreign company to open a permanent establishment in India which comes with multiple associated challenges. We also request OIL to kindly delete the requirement under Appendix VI.	No change
6.	2.3 Mobilization period	In case of call out service, mobilization notice with 60 (sixty) 90 (ninety) days' time will be issued.	Requesting 90 days for any interim mobilization as it is very difficult to source tools globally in current market situation. Additionally, logistics and contractual paperwork and equipment readiness will require a minimum of 90 days. Kindly accept	No change
PART 3 – SECTION-I: GENERAL CONDITIONS OF CONTRACT (GCC)				
7.	14.1 b)	Please amend as below:	We request this addition for clarity as contractor shall have insurance to cover its liabilities only.	No change

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
		The Contractor shall also carry adequate insurance cover against damage/loss to third party/person/property <u>to cover its liabilities under Contract.</u>		
8.	14.1 c)	Please delete the entire clause below: The Contractor at his cost shall arrange, secure and maintain insurance as may be necessary and to its full value for all such amounts to protect the works-in-progress from time to time and the interest of Company against all risks as detailed herein subject to the satisfaction of the Company and irrespective of acceptance of the Work.	We request deletion of this requirement as the type of services to be provided under this contract is not something can be covered for "work in progress".	No change
9.	14.5 Waiver of subrogation	Please amend the clause below: <u>Except for the Employee's Compensation / Employer's Liability Insurance for workmen engaged under this contract which have been obtained by the Contractor as their corporate policy/rules, where OIL is neither required to be present as principal assured or additional assured,</u> all insurance policies of the Contractor and its Sub-Contractor with respect to the operations conducted hereunder as set forth in clauses hereof, shall be endorsed by the underwriter in accordance with the following policy wording: "The insurers hereby waive their rights of subrogation against Oil India Limited or	Bidder requests this change since waiver of subrogation will be to the extent of indemnities assumed by the Contractor under the contract. This clause was amended in multiple tenders/contracts for OIL including: <ul style="list-style-type: none"> ▪ Tender No. CDG1979P23 - Hiring of Integrated Drilling Services (IDS-1) ▪ Tender No. GEM/2023/B/3923542 for Hiring of Services for upgradation of hardware and infrastructure of High-Performance Computing Centre (HPCC) at Geophysics Department of OIL ▪ Contract No. 6118193 for hiring of cementing services, ▪ Contract No. 6118087 for hiring of wireline services in OALP Block, 	No change

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
		any of their employees or their affiliates and assignees <u>to the extent of the indemnities undertaken by the Contractor under this Contract.</u> "	<ul style="list-style-type: none"> ▪ Tender No. DCG3015S23 for Hiring of Pulsar Services, ▪ Tender No. CDG7411L22 for Hiring of 03 (Three) Nos. Wireline Logging Units with Services. 	
10.	14.6 Loss Payee Clause	Please delete the entire clause.	<p>Bidder requests deletion of this provision as it is not relevant for scope envisaged in this tender.</p> <p>This has been agreed by OIL in all contracts including:</p> <ul style="list-style-type: none"> ▪ Tender No. CDG1979P23 - Hiring of Integrated Drilling Services (IDS-1) ▪ Tender No. GEM/2023/B/3923542 for Hiring of Services for upgradation of hardware and infrastructure of High-Performance Computing Centre (HPCC) at Geophysics Department of OIL ▪ Contract No. 6118193 for hiring of cementing services ▪ Contract No. 6118087 for hiring of wireline services in OALP Block ▪ Tender No. DCG3015S23 for Hiring of Pulsar Services 	No change
11.	14.7 Additional Assured	<p>Please amend the clause below:</p> <p>"Oil India Limited" is to be included as Additional Assured <u>named as Additional Insured</u> in the Insurance Policies (except in case of Workmen Compensation/Employer's Liability <u>extent of the indemnities undertaken by Contractor under this Contract.</u></p>	<p>Proposed change to align with 14.12 i)</p> <p>Additional Assured status shall be to the extent of liabilities of Contractor under the Contract only.</p>	No change
12.	14.12 i)	Please amend as below:	We request this insurance to be applicable as per the applicable laws of the contract.	No change

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
	Employees Compensation (EC) Policy or Employer's Liability Policy insurance	Employees Compensation (EC) Policy or Employer's Liability Policy insurance as required by the applicable laws of the Contract country of origin of the employee.	In the Employees Compensation Act, there is no mention that a foreign national can comply with the rules of his/her country and need not comply with the laws of India/EC Act. The requirement in this clause is in contravention of the EC Act. Hence, we request OIL to kindly amend this requirement.	
13.	14.12 iv) Carrier's Legal Liability Insurance	Please delete the clause below: Carrier's Legal Liability Insurance in respect of all CONTRACTOR'S items to be transported by the CONTRACTOR to the site of destruction of or damage to goods or merchandise, while	We request deletion of this clause as OIL does not have any liability towards Contractor for its equipment while it is transported to the site	No change
14.	19.0 RISK PURCHASE	Please amend as below: In the event, CONTRACTOR's failure to provide the services as per the Contractual scope, terms and conditions, COMPANY (OIL) reserves the right to hire request CONTRACTOR to remediate the services from any other source at the CONTRACTOR's risk & cost and the difference in cost shall be borne by the CONTRACTOR. Further, OIL shall retain the right of forfeiture of Performance Bank Guarantee and any other action as deemed fit. In certain operational situations OIL reserves the right to take over the site	We shall ensure service delivery in line with the terms and conditions of the contract and commits to be the sole source of remedy in case of services being performed in a manner not in conformity with the contract's requirements.	No change

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
		including the service equipment at the risk and cost of the CONTRACTOR.		
15.	30.0 Timely Mobilisation and liquidated damages	No GST is applicable on recovery of Liquidated damages (LD)	In view of the Government clarification no. 178/10/2022 – GST, no GST is applicable on recovery of Liquidated damages. Hence the contractor/company will not charge GST on LD	Applicability as per GST act
16.	32.0 SET-OFF	Please amend as below: Any sum of money due and payable to the CONTRACTOR (including Performance Security refundable to them) under this or any other Contract, whether in progress or in future , may be appropriated by OIL and set-off against any claim of OIL (or such other person or persons contracting through OIL) for payment of a sum of money arising out of this contract or under any other contract made by the CONTRACTOR with OIL (or such other person or persons contracting through OIL) <u>after giving 7 days prior written notice to Contractor.</u>	If all provisions like payment due under the contract or PBG are exhausted to recover the payment due to OIL by Contractor as per Contract, then only OIL to invoke this clause. Bidder requests OIL to kindly confirm and modify the clause accordingly.	No Change
17.	39. STATUTORY VARIATION/ NEWLY ENACTED LAW	In order to factor any changes on account of adverse interpretation of law by authority, the following clause should be added: Notwithstanding anything else contained herein, if subsequent to the date of submission of Bid, any new or additional taxes and similar levies in nature and any increased in the direct cost, resulting from future	This clause covers any liability which may arise on account of adverse interpretation of law by authorities and therefore, this addition is important	No Change

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
		<p>legislation or interpretation of existing or future legislation, including and not limited to, goods and service tax, sales tax, customs duties, R&D cess, works contract tax, services tax, corporate tax, octroi, entry taxes etc. are imposed by Government or the concerned authorities which Contractor is bound to pay in respect of the payments received by Contractor in pursuance of this agreement, then such new/additional taxes/levies will be borne by Company. Additionally, any upward change in the rates of the existing taxes/levies shall be to the account of Company. In case of reduction or exemption from any taxes/ levies, benefit shall be passed on to the Company.</p>		
18.	45.0 TO DETERMINE THE CONTRACT	<p>Please amend the clause below:</p> <p>In such an event (i.e. termination under Article No. 44.4 to 44.9 44.8 above), the contract shall stand terminated and shall cease to be in force from the date of such notification by the COMPANY. Thereafter the CONTRACTOR shall stop forthwith any of the work then in progress, except those work which the COMPANY may, in writing, require to be done to safeguard any property or work, or installations from damages, and the COMPANY may take over the remaining unfinished work of the CONTRACTOR and complete the same through a fresh CONTRACTOR or by other means, at the risk and cost of the CONTRACTOR, and any of its sureties if any, shall be liable to the COMPANY for any</p>	<p>Since 44.9 is for termination for OIL's convenience, Bidder requests removal from this provision.</p> <p>Contractor cannot take risk in such cases. The excess liability to be limited to 50% of the cost of such defaulted work mentioned in the Contract.</p>	No Change

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
		<p>excess cost occasioned by such work having to be so taken over and completed by the COMPANY provided that such excess cost shall be limited to 50% of the cost of defaulted work mentioned in the Contract over and above the cost at the rate/cost specified in the schedule of quantities and rates/prices.</p>		
19.	46.0 WITHOUT DETERMINING THE CONTRACT	<p>Please amend the clause below:</p> <p>In such an event (i.e. termination under Article No. 44.4 to 44.9 44.8 above), the COMPANY may take over the work of the CONTRACTOR or any part thereof and complete the same through a fresh CONTRACTOR or by other means, at the risk and cost of the CONTRACTOR. The CONTRACTOR and any of its sureties are liable to the COMPANY for any excess cost provided that such excess cost shall be limited to 50% of the cost of defaulted work mentioned in the Contract over and above the cost at the rates specified in the schedule of quantities and rates/prices, occasioned by such work having been taken over and completed by the COMPANY.</p>	<p>Since 44.9 is for termination for OIL's convenience, Bidder requests removal from this provision.</p> <p>Hiring of any other party cannot be at the "risk" of the Contractor. Contractor's liability to be capped</p>	No Change
PART-3 SECTION-II: SCOPE OF WORK (SOW)/TERMS OF REFERENCE (TOR)				
20.	3.0 Broad scope of Work	<p>OIL intends to hire a total of 04 (Four) sets of directional tools and equipment including the services of personnel with collar based MWD/LWD tools for drilling of Directional/Side-track/Re-entry or any other types of wells from kick-off to target along with stand-</p>	<p>Requesting clarity on the underlined part of existing clause. Since each unit is for a particular section how does OIL intend to use one size of tools between multiple sections of hole sizes?</p>	Clarified

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
		<p>by back-up tools for its exploration and development activities in North Eastern States for a period of 04 (four) years. The tools, equipment and services may also be used in vertical wells for performance drilling. <u>Additionally, some of the tools, equipment and services meant for one size of hole section may be used in another size of hole section (if technically feasible) for effective utilization of resources at the discretion of OIL.</u></p>		
21.	<p>3.3.1, 3.3.2, 3.3.3, 3.3.4 Tools Equipment & services for 17.5, 12.25, 8.5, 6in sections (pg 100,101,103 ,104)</p>	<p>Services of Directional Drillers to operate RSS-SDMM and MWD Engineers are to be provided for execution of drilling program as per well plan of OIL. Minimum 02 (Two) directional driller and minimum 02 (Two) MWD Engineer are required to be provided always during operation at well site</p> <p><u>OIL will be allowing back up support via remote operational base of the service provider and thereby reducing the number of the Directional drillers & MWD engineers to be provided at site. By allowing reduce manpower, the service provider has to give due rest to the engineers deployed at well site. The service provider will take full responsibility of the remote support service to be provided under this contract to the engineers at site for smooth execution of the well profile as agreed by the service provider with the operator. The service provider has to take all responsibility of the internet connectivity for the</u></p>	<p>Requesting addition to current clause (from CDG5704P21) to allow for Remote operations for atleast MWD shift at night. This is in line with Company and Contractor's Digital initiatives (eg eRTMAC). It will also help Contractor optimize crew and provide Company with a competitive pricing which is not possible when high number of crew is required.</p>	No Change

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
		<u>remote service considering the locations of the wells at this part of the country.</u>		
22.	NOTE (pg 105)	Contractor to ensure that at least 1(one) back-up tool/Equipment in working condition is always available against the main tool/equipment. If, in the event of breakdown of any of the main tool(s)/equipment, it is found that back up tool(s)/equipment in working condition is not available, then Zero rate will be applicable immediately from the moment any <u>backup</u> tool(s)/equipment failure is detected in operation. Additionally, for tools other than the main tool(s)/equipment, penalty @ 100% of Operating rate of the faulty tool(s)/equipment will be levied from the start of the waiting period at surface till the replacement/back up tool(s)/equipment is available at site.	Request to clarify	Please refer ENCLOSURE-B.
23.	NOTE (pg 106)	To provide X-over from 6000 Psi to 15000 Psi fitting for H-Manifold	Request to remove	No Change
24.	6.0 Key Personnel	Bidder shall confirm to provide qualified and experienced personnel under the following categories for running the well operation of OIL on round the clock basis: i) Directional Driller: Minimum 2 (two) nos. per set. ii) MWD/LWD Engineer: Minimum 2 (two) <u>1 (one)</u> nos. per set <u>along with provision of remote support from Bidder's Remote Operations centre</u>	Requesting allowance of substituting one MWD shift from rigsite to Bidder's remote operations centre. This is in line with Company and Contractor's Digital ambitions (eg eRTMAC)	No Change

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
		iii) Base Co-ordinator: Minimum 1 (one) no.		
25.	6.0 Key Personnel : Base coordinator	The Contractor shall depute an experienced Base Coordinator at the Company's base in Duliajan, having minimum 5 (five) years <u>3 (three) years</u> of relevant field experience in Directional Drilling for the entire duration of the Contract for smooth execution of the project.	Requesting to reduce base coordinator experience criteria. Kindly consider adding an alternate criteria on number of wells executed instead of number of years.	No change
26.	7.0 Approved list of Tools : Jars	viii) Any other OIL approved manufacturer for the approved size	Please confirm which manufacturers are approved by OIL for which sizes	Clarified Please refer ENCLOSURE-B.
27.	10.3 Centrifuge services (Page 118)	OIL will provide electrical power having specification of 415V, 3-Phase, 50Hz without Neutral. All Electrical equipment such as Motor, Starter, Remote push button switch, Junction box, Plug-Socket, Cable glands etc. used with the Centrifuge unit and not placed at safe distance, shall be suitable for use in oilfield hazardous area of Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standard.	1) Bidder requests company to clarify whether the required centrifuge should be Zone 1 or Zone2 compliant. 2) Apart from electrical accessories bidder requests company to clarify whether gear box of the centrifuge and pumps that will be used require any ATEX Zone 1/Zone 2 certification please clarify.	Clarified 1. Zone 2 compliant 2. Required for only electrical components, not for gear box of the centrifuge and pumps
28.	SPECIFICATION OF CENTRIFUGE (Page 119)	DESCRIPTION: High Speed Decanter with Variable Speed Hydraulic Drive / VFD (The centrifuge package should include all control and accessories)	Bidder requests company to define controls	Clarified

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
29.	SPECIFICATI ON OF CENTRIFUGE (Page 119)	Motor H.P for running Centrifuge: 60	Bidder requests company to accept 40HP motor that has the capacity to handle 179GPM	No Change
30.	SPECIFICATI ON OF CENTRIFUGE (Page 119)	Motor H.P for running Feed Pump: Should be capable of meeting 185GPM flow rate criteria	Bidder requests company to accept 179GPM	No Change
31.	Part – 3, Section II, Scope of Work, 10.1 Mud Services	Kindly confirm Mud Engineering Services is not required for 17 ½” section. Company has requested 1 set of Directional Tools Services for 17 ½” section. In this case, who would provide Mud Engineering Services for 17 ½” section?		Mud Engineering Services for 17 ½” section will be inhouse
32.	Part – 3, Section II, Scope of Work, 10.1 Mud Services Note 2	Request to consider below change: OIL at its discretion may use the Mud Engineering service independent of the Directional Drilling Services or vice versa as per the requirement.	Bidder is agreeable to provide Mud Engineering Services independent of Directional Drilling Services. However, Directional Drilling Services needs to be deployed with bidder's Mud Engineering Services only.	No change

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
33.	Part – 3, Section II, Scope of Work, 10.2 Scope of Work Mud Engineer Qualification	Request to consider below change: The Mud Engineers should hold bachelor's degree in science with Chemistry as one of the subject or B.E/ B. Tech in Chemical Engineering from any recognized university.	Bidder requests to consider Qualification without specialization in Chemistry / Chemical Engineering. Relevant experience is already requested by OIL to ensure competency of Mud Engineer. Also, the suggested change is in line with OIL IDS-2 (CDG8856P22) & IDS-3 (CDG7089P25) Tenders.	Please refer ENCLOSURE-B.
34.	Part – 3, Section II, Scope of Work, 10.2 Scope of Work Mud Engineer Age	Request to consider below change: The Mud Engineers should be in sound health and fit to work in different Environment. The maximum age of the Mud Engineers should not be more than 56 65 (Sixty-Five) years as on the original bid closing date of this Tender.	The suggested change is in line with OIL IDS-2 (CDG8856P22) & IDS-3 (CDG7089P25) Tenders.	No change
35.	10.4 MUD AND MATERIAL MANAGEME	Request to consider below addition for clarity: Contractor has to take back the left-over chemicals, if any after completion of the project/expiry of the contract/ after issuing final demobilization notice	Open pallet chemicals would be charged to OIL. Requested change is accepted by OIL in IDS-3 (CDG7089P25) Tender.	No Change

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
	NT SERVICES: v)	<u>within one month of time, except for the last open pallet for sack chemicals.</u>		
36.	10.4 MUD AND MATERIAL MANAGEMENT SERVICES: i)	Request to consider below addition for clarity: Housekeeping / maintenance of the storage space <u>allotted to Contractor for storing Contractor's chemicals</u> at well site is solely contractor's responsibility,	For clarity, Bidder should be responsible for storage area allotted to bidder for storing bidder's chemicals.	Please refer ENCLOSURE-B.
37.	10.5 Designing Mud Program	"Sand % by Vol" for all three Drilling Fluid is given very low (<0.3%, <0.2% and <0.2 %), Requesting to keep it <u><1%</u> for all three Drilling Fluid.		Please refer ENCLOSURE-B.
38.	10.12 Stock required for Completion of Mobilization : Table IV	Bidder requests to charge quantity of chemicals mentioned in Table – IV upon delivery. Reason for the request: Since OIL is mandating the quantity of chemicals to be mobilized at the time of initial mobilization, bidder requests OIL to also include payment mechanism for these quantities of chemicals in Table IV. Bidder is agreeable to ensure operational continuity and also the penalty proposed by OIL in case of stock-out situation. However, the current quantity mandated by OIL cannot be accepted by Bidder without provision		No change

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
		of payment upon delivery for Table-IV quantity of chemicals.		
39.	37. Submission of Invoice	In case of consortium bid, the leader of the consortium and the members of consortium be allowed to submit separate invoices for the relevant scope of work performed	It is requested that the leader of the consortium and each member of consortium be allowed to submit separate invoice for their respective scope of work. This is critical to maintain distinction between the work to be performed by each party of consortium	No change
PART-3 SECTION-III: SPECIAL CONDITIONS OF CONTRACT (SCC)				
40.	1.1. n. Definition of "Gross Negligence"	Please amend as below: "Gross Negligence" means any act or failure to act (whether sole, joint or concurrent) by a person or entity which was intended to cause, or which was in reckless disregard of or wanton indifference to, avoidable and harmful consequences such person or entity knew, or should have known, would result from such act or failure to act. <u>Gross negligence shall not include any action taken in good faith for the safeguard of life or property.</u>	Bidder request inclusion of the last sentence to align with the definition of Gross Negligence under GCC 1.2.28.	Please refer ENCLOSURE-B.
41.	2.0 MOBILIZATION 2.5 Interim re- mobilization	Interim re-mobilization: Individual set(s) and Personnel as per the scope of work as indicated by OIL shall have to be re-mobilized on interim basis by the Contractor within 60 (Sixty) days <u>90 (ninety) days</u> from the date of issuance of interim re-mobilization notice.	Requesting Company to allow atleast 90 days for any mobilization as there is too much global demand for equipment at present and it takes minimum 90 days to locate an available tool globally, logistics movement to India, contractual / customs paperwork and equipment readiness for usage at OIL site.	No Change

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
42.	5.0 LIQUIDATED DAMAGES FOR DEFAULT IN MOBILISATI ON	<p>Time is the essence of this Contract. In the event of the Contractor's default in timely mobilization for commencement of operations within the stipulated period, the Contractor shall be liable to pay liquidated damages @ 0.5% of total contract value for the particular set/ contract value of Mud engineering chemicals including mobilization & demobilization cost, per week or part thereof of delay subject to maximum of 7.5% of total contract value for the particular set/total contract value of Mud engineering chemicals including mobilization & demobilization cost. Liquidated Damages will be reckoned from the expiry date of the scheduled mobilisation period as defined under Clause No. 2.0 above. The above LD will be calculated for each set / Mud engineering chemicals separately. <u>For callout items, the Contractor shall be liable to pay liquidated damages @ 0.5% of total contract value for the particular Callout Service including mobilization & demobilization cost, per week or part thereof of delay subject to maximum of 7.5% of total contract value for the particular Callout Service including mobilization & demobilization cost.</u></p> <p>Note: For interim mobilization, LD will be applicable @ 0.5% of the one year Contract value for the particular set including mobilization & demobilization cost, per week or part thereof of delay subject to maximum of 7.5% of the one year Contract value for the particular set including mobilization & demobilization cost. <u>For Callout items, LD will be applicable @0.5% of the one</u></p>	Kindly accept amendment to the clause to apply for Callout items	Please refer ENCLOSURE-B.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
		<p><u>year Contract value for the particular Callout service including mobilization & demobilization cost, per week or part thereof subject to maximum of 7.5% of the one year Contract value for the particular Callout service including Mobilization & demobilization cost</u></p>		
43.	10.0 CONTRACTOR'S OBLIGATIONS:		Bidder understands that accommodation for Contractor's personnel at well-site is Contractor's responsibility. Kindly confirm whether food and first-aid for Contractor's personnel would be provided by OIL.	Food shall be provided on chargeable basis. First Aid-yes
44.	COMPANY'S OBLIGATIONS 11.3 Crane service/Transport vehicles	Kindly confirm: OIL will provide crane and transportation (for Inter-location movement) of the Contractor's tools / equipment <u>and materials / chemicals.</u>		Clarified Refer Clause no. 10.4, viii), page no. 120 of 285
45.	17.0 LOSS OF SUB-SURFACE EQUIPMENT	Please amend as below: Notwithstanding any provision under this contract to the contrary, Company shall assume liability except in the event of Wilful Misconduct or Gross Negligence on the part of the contractor for loss <u>or damage</u> to the contractor's equipment/ tool in hole below rotary table, subject to conditions prescribed herein below. Company shall reimburse the contractor for the value of lost <u>or damaged</u> equipment/ tool as declared in the	We have proposed changes in this clause to cover situations for tools / equipment which are damaged during the activity. Further, we request depreciation to be calculated from the date of commencement of contract or interm mobilization as against import of the tool / equipment. This has been agreed by OIL in multiple tenders and contracts including:	No change

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
		<p>import invoices at the time of import (for foreign items)/ purchase invoice (for indigenous items) or CIF value declared in the contract in the list of imported items (for foreign items) whichever is lower for any such loss, less depreciation @ 3% per month 10% per annum or part thereof from the date of import invoice/indigenous invoice commencement of this Contract or interim mobilization of the lost or damaged equipment/tool whichever is later up to a maximum depreciation equivalent to 50% of CIF value as indicated by the Contractor per import invoice or as indicated in the contract, whichever is lower, (for imported items)/Ex works value (for indigenous item) as per purchase invoice.</p>	<ul style="list-style-type: none"> ▪ Tender No. CDG5704P21 for 'Hiring of Services for Drilling of Directional Wells with RSS + MWD/LWD + JAR including Mud Services along with Personnel for a Period of 03 (Three) years in the States of Assam & Arunachal Pradesh' ▪ Contract No. 6118087 for Hiring of Wireline Services for exploratory drilling in OALP blocks MN-ONHP-2018/1, 2, 3, 4 and 5 located at Mahanadi Basin Project in the State of Odisha for a period of 3 (Three) years ▪ Contract No. 6119279/CDG3855L24/WLG/24 for Hiring of Hi-Tech Wireline Logging Services for Oil's Operational Areas in North-East India <p>Also, we request OIL for a fair depreciation % on the value on the tool as current clause depreciation of 3% per month is much more than the standard depreciation followed by GoI Customs.</p>	
46.		<p>Company shall declare the Loss in Hole immediately after the fishing operation is called off upon non-retrieval of the downhole items and intimate the Contractor, so that replacement and claim for the loss of downhole items can be done within the stipulated time. The Contractor should replace the lost tool(s)/equipment within a stipulated time of 60 Days from the date of declaration of Lost in Hole by the Company. During initial 30 days from the date of declaration of Lost in Hole by the Company, payment at the rate of 50% 75% of the Standby Charges will be payable for the set(s) from the time of declaration of the LIH only if the backup tool(s)/equipment are in</p>	<p>Requesting changes to allow for a fair LIH clause for both Company and Contractor. LIH is an operational exigency and cannot be planned for by Contractor. Contractor should not be penalized for an LIH in case Company operations are not being hampered under the use of backup tool.</p>	No change

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
		<p>operational conditions. Beyond these 30 days period, Zero <u>50%</u> Standby Charges will be applicable till the replenishment of tool(s)/equipment by the contractor is done after due inspection and certification by the Company's representative. The Company at its discretion may decide on utilization of the set(s) without the back-up tool(s)/equipment considering the operational urgency and in such case Operating Charges will be paid till stipulated time of 60 days. However, if the set(s) are utilized without the back-up tool(s)/equipment considering the operational urgency beyond stipulated 60 days, in such case only 70% of Operating Charges will be paid till the replenishment of tool(s)/equipment by the Contractor is done after due inspection and certification by the Company's representative. During the course of utilization of the back-up tool(s)/equipment, if the same fails to operate, zero rate will be imposed immediately until replacement is provided and operation resumes.</p>		
47.	19.0 DATA INTERPRETA TION	<p>Please amend as below: Since all data interpretations are based on inference from electrical or other measurements, Contractor cannot and does not guarantee the accuracy or correctness of any interpretation and Company agrees that Contractor shall not be liable or responsible except for the case of Gross Negligence and Wilful Misconduct on Contractor's or his Sub-Contractor(s)'s part; for any loss, cost, damage or expense incurred or sustained by</p>	<p>Based on GCC clause 16 (a), both the parties are liable to each other for 'consequential damages' in case of 'Willful Misconduct' and 'Criminal Negligence'. However, the said provision is imposing an additional consequential damages exposure on Contractor, thereby contradicting with GCC clause 16 (a). Hence, we request OIL to kindly remove the word 'consequential' and also the additional exclusion of 'criminal negligence'. This has been agreed by OIL in all tenders including:</p>	No change

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
		Company resulting directly or indirectly from any interpretation made by Contractor or any of its agents, servants, officers or employees. Should any such interpretation or recommendation be relied upon as the sole basis for any drilling, completion, well treatment or production decision or any procedure involving any risk to the safety of any drilling ventures, drilling rig, or its crew or any other individual, Company agrees that under no circumstances shall Contractor be liable for any consequential loss or damages on this account except in case of Gross Negligence and Wilful Misconduct.	<ul style="list-style-type: none"> ▪ CEG8433P25 for Hiring of Bundle Services inclusive of Marine Vessels and Shore Base Management to support drilling operations in Offshore Kerala Konkan Block KK-OSHP-2018/1 ▪ CBI9195P22 for Hiring of Cementing Services, and ▪ CDG7411L22 for Hiring of 03 (Three) Nos. Wireline Logging Units with Services 	
48.	30.0 GOODS AND SERVICES TAX	Any reimbursement or recovery from Company will be subjected to GST when invoiced	In the event where any reimbursement or recovery is to be done from the Company, an invoice will be raised along with GST in accordance with the applicable GST laws. Please confirm.	Applicable as per GST act
49.	31.0 CUSTOMS DUTY		Request client to amend concessional rate of duty and taxes to 12% as per the revised notification.	Please refer ENCLOSURE-B.
50.	38.0 LIMITATION OF LIABILITY	<p>Please amend as below:</p> <p>(a) Notwithstanding any other provisions herein to the contrary, except only in cases of Wilful Misconduct, Gross Negligence and/or criminal acts,</p> <p>(a) Neither the Contractor nor the Company (OIL) shall be liable to the other, whether in Contract, tort, or</p>	<p>Bidder requests to club first and second paragraph together.</p> <p>Further, Bidder requests for removal of exclusion of gross negligence from the first paragraph. This is to align with the Limitation of Liability clause under GCC 16.0. Further, we would like to highlight that this additional exposure on Contractor was not a part of any of the OIL tenders.</p>	Please refer ENCLOSURE-B.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
		<p>otherwise, for any consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided however that this exclusion shall not apply to any obligation of the Contractor to pay Liquidated Damages to the Company and/or Company's right to forfeit the Performance Bank Guarantee(s) in terms of the contract.</p> <p>(b) Notwithstanding any other provisions incorporated elsewhere in the Contract, the aggregate liability of the Contractor in respect of this Contract, whether under Contract, in tort or otherwise, shall not exceed 50% of the 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 Company with respect to Intellectual Property Rights.</p> <p>(c) Company shall indemnify and keep indemnified Contractor harmless from and against any and all claims, costs, losses and liabilities in excess of the aggregate liability amount in terms of clause (b) above.</p>	Kindly amend as proposed for SLB to be able to bid.	
51.	Import and Export Control (New Clause)	<p>Please add the new clause below:</p> <p><u>Both Parties shall strictly comply with, and adhere to, all applicable U.S. and non-U.S. laws and regulations pertaining to economic sanctions laws, trade, import and export control.</u></p> <p><u>In the event that at the time when this Contract comes to existence or any moment thereafter, any trade</u></p>	We request addition of this clause to ensure compliance to the respective trade control and sanction and to avoid both criminal and civil liability.	No Change

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
		<p><u>compliance laws, regulations or restrictions of any kind, substantially adversely affect the performance of Parties or their affiliated companies under the Contract, the Parties shall seek in good faith to find a mutually acceptable solution to minimize such adverse effects. In the absence of a mutually acceptable solution, each Party, reserves the right to terminate the Contract, and the other Party agrees that it shall not be considered a breach of this Contract and hence it shall have no legal cause of action, and hereby waives any right to assert the same.</u></p>		
PART-3 SECTION-IV: SCHEDULE OF RATES (SOR)				
52.	B) DE-MOBILIZATION/INTERIM DE-MOBILIZATION CHARGES OF TOOLS/ EQUIPMENT INCLUDING PERSONNEL:	<p>In case of need for lean period/temporary suspension of Company's activity due to operational reasons, the Company retains the right to DeMobilize (interim) Contractor's Equipment & Tools (any set) and ReMobilize the consignment when well operations recommence. 60 (Sixty) <u>90 (Ninety)</u> Days period for Re-Mobilization shall be provided from date of ReMobilization Notice for each set (hole section).</p>	<p>Requesting for atleast 90 days for interim re-mobilization as it is very difficult to source tools globally, complete the logistics to India including contractual and Customs paperwork, and then ready the tool for rigsite usage in lesser time than this.</p>	No change

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
53.	(C) OPERATIONAL CHARGES OF TOOLS & EQUIPMENT INCLUDING MANPOWER :(Page 170)	Operational Day Rate Charges shall be payable for all tools/equipment including manpower of the Contractor for the period the tools and equipment are in operational mode from the time of successful completion of Surface Testing (as defined below) of Contractor's BHA (consisting of downhole tools/equipment), after lowering it 100 m below rotary table (BRT) till the same is pulled out up to 100 m below rotary table in a well. This period will be considered as operating period and shall be pro-rated to the nearest quarter of an hour.	1) Bidder requests ODR applicability for centrifuge as it shall be required to condition the drilling fluids irrespective of the downhole tools position below rotary table. 2) Bidder requests company to amend applicability of ODR for centrifuge when operational or utilized to condition mud.	No Change
54.	(C) OPERATIONAL CHARGES OF TOOLS & EQUIPMENT INCLUDING MANPOWER :(Page 171)	xiii) When the Centrifuge is put on operation during drilling and circulation, Operating charges shall be payable during that period only.	1) Bidder requests company to allow ODR when centrifuge is operational irrespective of circulation hours on approval from onsite chemist based on the operational requirement for centrifuge, as centrifuge shall be utilized in non-circulating hours to condition the mud or for LGS/HGS removal 2) Bidder requests the company to confirm centrifuge will be required to run during non-circulating hours.	No Change
ANNEXURES				
55.	Annexure – II MWD specifications	c) For 8½" hole section- Min. Flow Rate: 300 GPM <u>400 GPM</u> or less & Max. Flow Rate: 550GPM or more	Requesting change to match specifications similar to IDS 3 (CDG7089P25)	Please refer ENCLOSURE-B.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
56.	Annexure – III 2.0 Specification of 12.25in Mud Motor	Bit speed range : 45 RPM or less – 145 RPM or more – 35 <u>RPM or more - 275 RPM or less</u>	Requesting change to match specifications similar to IDS 3 (CDG7089P25)	Please refer ENCLOSURE-B.
57.	Annexure – III 4.0 Specification of 6in Mud Motor	Bit speed range : 100 RPM or less – 260 RPM or more <u>Not less than 100 RPM to 260 RPM or more.</u>	Requesting change to match specifications similar to IDS 3 (CDG7089P25)	Please refer ENCLOSURE-B.
58.	Annexure VI Specification of RSS for 17.5in hole	Max DLS achievable : 5 deg <u>3 deg</u> / 30m	Requesting correction to max DLS allowance for 17.5in hole section as per standard operations.	No change
59.	Annexure- VIII Specification s of APWD tools	Pressure sensor to identify ECD (Equivalent Circulating Density) and ESD (Equivalent Static Density) Should be able to provide measurements in both OFF and ON conditions of the pumps. Should be able to take min and max pressure measurements during LOT	Requesting deletion of ESD requirement as this would need addition of Li batteries to drill string which is an added HSE risk. ECD when pumps are ON will be provided even without the Li batteries.	Please refer ENCLOSURE-B.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
60.	Annexure-XII	<p>Corrected near far counts of neutron should also be provided</p> <p><u>All raw channels also required to carry out independent environmental corrections on Density and Neutron should also be provided.</u></p> <p><u>OR</u></p> <p><u>Bidder may also provide Density / Neutron tool with an inbuilt algorithm to calculate the Bulk density and Neutron porosity downhole and shall provide borehole compensated and environmentally corrected LWD measurements as final output</u></p>	Requesting correction same as what was agreed to in IDS 3 (CDG7089P25) Annexure 4.	Please refer ENCLOSURE-B.
ANNEXURE-G – DECLARATION FORMAT				
61.		Please delete this proforma	In line with the above query on deletion of requirement of provision of personnel from sister-subsiary, we request deletion of this undertaking format.	No change
PROFORMA-B_CD9298P26 Priced Schedule				
62.	Proforma – B Priced Schedule Proforma – B1 Notes 1 to 4	Kindly clarify the definition of ‘the total quoted value for Mud Engineering Service’.		The total quoted value for Mud Engineering Service is equivalent to total cost of Mud

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's response
				Engineering Services (T2).
63.	Proforma – B Priced Schedule Proforma – B1 Notes 2 & 4	De- Mobilization charges for personnel, accommodation bunk, lab equipment & Chemicals should not be less than 2% 0.5% of total quoted value of the Mud Engineering service in the Price Bid format. However, if De-mobilization charges for personnel, accommodation bunk, lab equipment & Chemicals is quoted in deficit or less than 2% 0.5% of the total quoted value for Mud Engineering service, the deficit amount shall be withheld from the first invoice and the same will be paid at the end of the contract along with Demobilization charges.	Kindly reduce the demobilization charges to 0.5%. Since mud engineering scope is chemicals heavy, demobilization does not involve similar amount of weightage of chemicals as only left over chemicals and services would need to be demobilized. Hence, the Limit on Mobilization and Demobilization cannot be kept the same as 2%. Hence, we request to reduce the limit on demobilization charges to 0.5%.	No Change
64.	Proforma B		Please check the proforma B tab. Some cells are protected so unable to enter rates in those cells.	Amended