KG Basin Project
D. No. 11-4-7, 3rd Floor,
Nookalamma Temple Street,
Ramarao Peta, Kakinada
Andhra Pradesh-533004, India
Email: kgbasin@oilindia.in

AMENDMENT NO. 03 DATED 25.09.2025

TENDER NO. GEM/2025/B/6372256

DATED 23.06.2025

Sub: Hiring of Modular Stimulation service package on Call Out Basis for carrying out Acid Treatment/ Fracturing & CTU Services.

This addendum to the tender has been published for incorporating the following:

1) The following documents of the tender has been revised and revised documents are enclosed:

i) Revised-Version 1 :: Scope of work and technical specifications [ANNEXURE-III (PART-I)],
ii) Revised-Version 1 :: Special conditions of contract [SECTION-III (PART – II)].
iii) Revised-Version 1 :: Bid rejection criteria/bid evaluation criteria [SECTION -III (PART-III)],
iv) Revised-Version 1 :: Schedule of rates [PART-IV],

For the price bid format, bidder(s) are requested to refer tender Amendment No. 02 dated 13.08.2025.

2) Extension of Bid Closing and Technical Bid Opening Date:

Description	Existing Date & time	**Revised date & time**
Bid Closing Date & Time	25.09.2025 (at 15.00 Hrs. IST)	**03.10.2025 (at 15.00 Hrs. IST)**
Technical Bid Opening Date & Time	25.09.2025 (at 15.30 Hrs. IST)	**03.10.2025 (at 15.30 Hrs. IST)**

All other terms and conditions of the tender remains unchanged.

Thanking You,

Yours faithfully,
OIL INDIA LIMITED

Sd/-
(AMRIT L BORA)
CHIEF MANAGER (C&P)
FOR CHIEF GENERAL MANAGER (C&P)
FOR CHIEF GENERAL MANAGER (KGB & MBP) -HOD

Date: 25.09.2025

SECTION -III (PART-III)
(REVISED – Version 1)

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

VITAL CRITERIA FOR ACCEPTANCE OF BIDS:

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

1.0 ELIGIBILITY CRITERIA:

The bidder must be incorporated/registered in India and must maintain more than or equal to 20% local content (LC) for the offered services to be eligible to bid against this tender.

Regarding calculation of local content and submission of documents during bidding & execution of contracts, provision of 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 (BEII) dated 16th September 2020 (and as amended time to time) with modifications as notified vide MoPNG Order No. FP20013/2/2017-FP-PNG-Part (4) (E-41432) dated 26th April 2022 (including subsequent amendments thereof, if any) shall be applicable.

If such local content is not maintained during execution of contract, OIL reserves the right to invoke the Performance Securities and additional Bank Guarantee submitted by the bidding and supporting companies, in addition to resorting to other options as may be deemed appropriate.

Whether or not the bidders want to avail PP-LC benefit against this tender, it is mandatory for them to meet the following at the bidding stage:

(a) The bidder must provide the specific percentage (%) of local content in their bid, without which the bid is liable for rejection being non-compliant.

(b) The Bidder shall submit an undertaking from the authorised signatory of bidder having the Power of Attorney along with the bid, stating that the bidder meets the minimum LC requirement (equal to or above 20%) and such undertaking shall become a part of the contract, if awarded [Format enclosed as **Proforma-S**].

(c) The aforesaid undertaking of the bidder shall also be supported by a certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of other than companies) giving the percentage of local content. [Format enclosed as **Proforma-S-1**]

(d) Bidder to submit a copy of their Certificate of Incorporation / Registration in India.

2.0 TECHNICAL EVALUATION CRITERIA:

2.1 EXPERIENCE:

a) The bidder shall have experience of successfully completing minimum 02 (two) nos. of Acid Treatment or Acid Fracturing or Hydraulic Fracturing (HF) jobs for Offshore oil/gas wells through Offshore Rig / Vessel during the last 10 (Ten) years reckoned from the original bid closing date and 01 (one) of which shall qualify minimum **02 (two)** of the following criteria:

- Offshore oil / gas well(s) with minimum Water Depth of 300 m.
- Offshore oil / gas well(s) with Measured Well depth of 2000 m or deeper (6561.68 ft or deeper); Depth to be measured from MSL (Mean Sea Level) for offshore wells.
- Offshore oil / gas well(s) with Surface Treatment / Fracture pressure of 4000 psi or more.

AND

b) The bidder shall have experience of successfully completing minimum 02 (two) nos. of Well Clean Out / Flow Back jobs in offshore oil/gas wells using CTU during the last 07 (seven) years reckoned from the original bid closing date.

2.2 In support of the experience criteria under Clause No. 2.1 (a) & (b) above, the bidder shall furnish the following documentary evidences (self-attested/attested):

(A) Contract document/Work Order/Service Order showing detailed scope of work,

AND

(B) Job Completion Certificate (JCC) or Service Entry Sheet (SES) or Certificate of Payment (COP) issued by the Client and supported by Client's certified Job Report showing the following:

(i) Work Order No./Contract No.,
(ii) Nature/Number/Description of jobs done, and
(iii) Contract period and date of completion.

Notes to BEC Clauses 2.1 & 2.2 above:

(i) Only Letter of Intent (LOI)/Letter of Award (LOA) or Work Order(s) without SOW or Client's Feedback Form shall not be acceptable as evidence of experience.
(ii) 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 (B) will only be treated as acceptable experience.
(iii) Work executed through 'sub-contracting' shall not be considered for evaluation.
(iv) 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.
(v) Bid will be rejected if not accompanied with adequate documentary proof in support of Work experience as mentioned in Clause 2.2 (A) & (B) above.

(vi) If the prospective bidder is executing a contract as per Clause No. 2.1 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 2.1 of BEC, such experience shall qualify for evaluation.

(vii) The Contract(s) date need not be within the period specified in the tender, preceding the original bid closing date of the tender, however, the execution of work should be within the specified period preceding original bid closing date of the tender.

(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.

(ix) Original Bid Closing Date shall be considered for evaluation of BRC Criteria in case of any extension of the bid closing date.

(x) A job executed by a bidder for its own organization/subsidiary cannot be considered as experience for the purpose of meeting BEC.

3.0 BIDDERS QUOTING UNDER THE FOLLOWING CATEGORIES:

Bidders who themselves do not meet the experience criteria as stipulated in Clause No. 2.1 (a) & (b) above, can also bid under the categories as listed below:

3.1 BIDS FROM INDIAN JOINT VENTURE (JV) COMPANY:

a) In case the bidder is Joint Venture Company, they must be registered in India and incorporated under the Companies Act 2013 and any amendment thereunder. JV agreement along with the share holding pattern should be submitted failing which bid shall be outrightly rejected. They should meet the technical qualification requirements as under:

(i) The JV on its own shall meet the experience criteria as per Clause No. 2.1 (a) & (b).

OR

(ii) 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. 2.1 (a) & (b).

Note:

A. In case of (ii) 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 failing which bid shall be outrightly rejected. Similarly, under such a situation the contract shall be liable for termination, if already awarded.

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.

b) 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. Similarly, under such a situation the contract shall be liable for termination, if already awarded.

c) Members of the JV are not allowed to quote separately/independently / or through any other arrangement like part of any other JV/Consortium or Subsidiary/ Parent company/ co subsidiary 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.

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

(a) Offers of those bidders who themselves do not meet the experience criteria as stipulated in clause no. 2.1 (a) & (b) 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.

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

3.3 BIDS FROM SISTER SUBSIDIARY/CO-SUBSIDIARY COMPANY:

Offers of those bidders who themselves do not meet the technical experience criteria stipulated in 2.1 (a) & (b) above can also be considered based on the experience of their Sister Subsidiary/Co-Subsidiary company within the ultimate parent/holding company subject to meeting the following conditions:

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

subsidiary company within the ultimate parent/holding company. Documentary evidence to this effect to be submitted by the ultimate parent/holding company along with the technical bid.

(b) Provided that the sister subsidiary/co-subsidiary company on its own meets the technical experience criteria laid down in Clause 2.1 (a) & (b) above and not through any other arrangement like technical collaboration etc.

(c) 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 **Proforma-Y**, between them, their ultimate parent/holding company, along with the technical bid.

In the situations mentioned in Clause No. 3.2 and 3.3 above, following conditions are required to be fulfilled/documents to be submitted:

(i) Undertaking by the supporting company to provide an additional Performance Security (as per format and instructions enclosed as **PROFORMA-V)**, equivalent to 50% of the value of the Performance Security which is to be submitted by the bidding company, in case the supported bidding company is the successful bidder. In cases where foreign based supporting company does not have permanent establishment in India, the bidding company can furnish performance security for an amount which is sum of performance security amount to be submitted by the bidder and performance security amount required to be submitted by the supporting company. In such case bidding company shall furnish an undertaking that their foreign based supporting company is not having any permanent establishment in India in terms of Income Tax Act of India.

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

3.4 BIDS FROM CONSORTIUM:

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

(i) The leader and its consortium member(s) together must satisfy the minimum experience criteria as per clause 2.1 (a) & (b) 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. 2.1 (a) & (b) 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 GeM 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 & other members 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 severely.

(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, should be notarized and endorsed by Indian Embassy.

4.0 MOBILISATION TIME:

From the date of issuance of mobilization notice, the contractor shall make available all the equipment & accessories for Acid Treatment / Fracturing services, CTU-FPU services etc. within 70 days for on-hire survey by OIL at Contractor's Shore Base.

NOTE: The bidder must confirm their compliance in their "Technical" bid to complete the mobilization within the stipulated time as mentioned above. Offers without confirmation of stipulated mobilization time or with mobilization time more than stipulated time will be summarily rejected. The bidder shall confirm compliance of this in their technical bid.

~~a) From the date of issuance of mobilization notice, the contractor shall make available all the equipment & accessories for Acid Treatment / Fracturing services etc. within 60 days and CTU-FPU services within 75 days respectively for on-hire survey by OIL at Contractor's Shore Base.~~

~~b) The fitment of Acid Treatment / Fracturing equipment, and accessories should be completed by Contractor within 15 (Fifteen) days from the date of providing vessel by OIL at Kakinada Port.~~

~~NOTE: The bidder must confirm their compliance in their "Technical" bid to complete the mobilization within the stipulated time as mentioned above. Offers without confirmation of stipulated mobilization time or with mobilization time more than stipulated time will be summarily rejected. The bidder shall confirm compliance of this in their technical bid.~~

5.0 EQUIPMENT RESIDUAL LIFE REQUIREMENT:

The Residual Life of all major equipment offered for Services of Acid Treatment / Fracturing, FPU, CTU shall be more than 05 (Five) years to be

reckoned from the original bid closing date. To this effect, the bidder shall submit undertaking for the following along with the technical bid:

(a) In support of Residual Life of offered equipment(s), the bidder shall submit an undertaking confirming that the offered equipment for Services of Acid Treatment / Fracturing, FPU, CTU are having residual life of minimum 05 (Five) years to be reckoned from the original bid closing date. Documentary evidence of Residual Life for Acid Treatment / Fracturing, FPU, CTU must be submitted to OIL at the time of on-hire survey failing which mobilization shall not be treated as complete.

(b) Before on-hire survey, the bidder shall get all equipment inspected/ verified and certified by any of the OIL's authorized/recognized third party inspecting agencies, viz., viz., LRDISI, ABS, Oilfield Audit Services Inc., DNV GL, Bureau Veritas India Pvt Ltd (BV) and OMCI confirming the Residual Life of such equipment is at least 05 (Five) years from the date of mobilization at site. To this effect, the successful bidder must submit the relevant documents (i.e., duly signed & sealed TPI certificate, Commissioning Report & Registration Certificate of the equipment etc.) to OIL during "on hire survey" without which the mobilization of Equipment & services for Acid Treatment / Fracturing, FPU, CTU shall not considered to be complete.

6.0 FINANCIAL REJECTION CRITERIA:

6.1 Annual Financial Turnover from operation of the bidder during any of preceding 03 (Three) financial/accounting years from the original bid closing date should be at least **INR 28.92 Cr. or USD 3.35 Million.**

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

Note:

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

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

6.3 If the Bidder is an Incorporated Joint Venture (JV) Company and does not meet financial criteria (BEC Clause Nos. 6.1 & 6.2 above) by itself, it can submit the bid based on the financial strength of its JV member having more than 26% stake in the JV Company and the following need to be complied/submitted:

i. Annual Financial Turnover from operation of the member having more than 26% stake in the JV during any of preceding 03 (Three) financial / accounting years from the original bid closing date shall be as per Clause 6.1 above.

ii. Net worth of the member having more than 26% stake in the JV (supporting

company) should be positive for the financial /accounting year preceding the original bid closing date as per Clause 6.2 above.

iii. Corporate Guarantee (**PROFORMA-AB**) on the letter head of the member having more than 26% stake in the JV 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.

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 minimum 26% shareholding in the JV till execution of the contract is accomplished.

v. A certificate from the statutory Auditor of the JV company on the shareholding pattern of the JV.

6.4 In case the Bidder is a Consortium, then any one of the Consortium members individually shall have to meet the financial turn-over criteria as per BEC Clause **6.1** above during any of the preceding 03 (Three) financial/accounting years reckoned from the original bid closing date. Similarly, other Consortium members individually shall have minimum Annual financial turn-over of **INR 14.46 Cr. or USD 1.6 Million** in any of preceding 03 (Three) financial / accounting years from the original bid closing date. Net worth of all Consortium members must be Positive for the preceding financial / accounting year from the original bid closing date. Borrowing support from parent/supporting company is not allowed to meet the financial criteria.

6.5 In case the bidder is a subsidiary company (should be a 100% subsidiary of the parent/ultimate parent/holding company), who does not meet financial criteria by itself and submits bid based on the financial strength of its parent / ultimate parent / holding company, then documents need to be submitted along with the technical bid in support of the following:

i. Annual Turnover from operation of last three accounting years of the parent / ultimate parent / holding company (supporting company) shall be as per Clause 6.1 above.

ii. Net worth of the parent / ultimate parent / holding company (supporting company) shall be positive for the financial / accounting year preceding the original bid closing date as per Clause 6.2 above.

iii. Corporate Guarantee (**PROFORMA-AC**) 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.

iv. A certificate from the statutory Auditor of the bidding company as well as of the parent / ultimate / holding parent company (supporting company) to establish the relationship and equity percentage holding between bidding company and the supporting company. The certificates should be duly certified by the Company Secretary or one of the Directors of the company concerned.

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

6.6 Notes to BEC Clause B., 6.1 & 6.2 above:

a. For proof of Annual Turnover from operation & Net worth, any one of the

following documents/photocopies must be submitted along with the bid:

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

OR

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

Note:

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

ii. In case the Audited Balance sheet and Profit Loss Account submitted along with the bid are in currencies other than INR, the bidder shall have to convert the figures in equivalent INR considering the prevailing conversion rate on the date on which the Audited Balance Sheet and Profit & Loss Account is signed. A CA Certificate is to be submitted by the bidder regarding converted figures in equivalent INR. 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.

6.7 Considering the time required for preparation of Financial Statements, if the last date of preceding financial/accounting year falls within the preceding six months/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) reckoned from the original bid closing date and the Financial Statements of the preceding financial/accounting year are not available with the bidder, then the financial turnover of the previous three financial /accounting years excluding the preceding financial/accounting year will be considered. In such cases, the Net worth of the previous financial/accounting year excluding the preceding financial/accounting year will be considered. However, the bidder has to submit an undertaking in support of the same along with their technical bid as per **PROFORMA-L.**

6.8 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.

6.9 Bid will be liable for rejection if not accompanied with adequate documentary proof in support of Annual turnover & Net worth as mentioned above.

7.0 COMMERCIAL EVALUATION CRITERIA:

7.1 Bids shall be submitted under **Single-Stage Two-Bid System** i.e. Technical Bid and Priced Bid separately in designated area/ tab in GeM portal respectively. The Un-priced techno commercial bid (or Technical bid) must comprise of all the technical documents substantiating the previous experience, financial & technical credentials of the bidder and any other document as asked for in the bid document. There should not be any indication of price in the Technical bid; otherwise, the bid shall be rejected straightway.

7.2 The prices / rates offered quoted by the successful bidder must remain firm during the execution of the Contract and not subject to variation on any account. A bid submitted with an adjustable price condition shall be treated as non-responsive and rejected. No discount whatsoever should be quoted separately. Rates / prices quoted must be net of all discount.

7.3 Bids with shorter validity (i.e., less than 120 days from the scheduled bid closing date) will be rejected as being non-responsive.

7.4 Bid Security in Original shall be furnished as a part of the Technical Bid and shall reach OIL's office at Kakinada (KG Project Office) before bid closing date & time. The original bid security should necessarily be submitted in physical form, in a sealed envelope, prominently super-scribing tender reference and details of bidder. A scanned copy of the bid security shall however be uploaded in GeM portal along with the Technical Bid. The amount of Bid Security shall be as specified in the Forwarding Letter of the Bid Document/NIT of GeM Tender. Bid without proper & valid Bid Security shall be rejected.

7.5 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-J** of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be returned by the bidder (along with the Un-priced Techno-Commercial Bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid. If any bidder refuses to sign Integrity Pact or declines to submit the Integrity Pact, their bid will be rejected. In case of a Joint venture, all the partners of the joint venture should sign the Integrity Pact.

7.6 Bids submitted after the Bid Closing Date and Time will be rejected.

7.7 Bids received through the GeM portal shall only be accepted. Bids received in any other form shall not be accepted.

7.8 Bid documents are non-transferable. Unsolicited bids will not be considered and will be straightway rejected.

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

7.10 Any Bid containing false statement will be rejected.

7.11 Bidders shall quote directly and not through their Agent / Representative / Retainer / Associate in India.

7.12 Bidders must quote clearly and strictly in accordance with the price schedule outlined in "Price Bid Format" of Bid Document; otherwise, the Bid will be summarily rejected.

7.13 Bidder must accept and comply with the following clauses as given in the Bid Document in toto failing which bid will be rejected.

(i) Firm Price
(ii) Bid Security Clause
(iii) Scope of Work
(iv) Specifications
(v) Price Schedule
(vi) Period of validity of bid
(vii) Liquidated damage and penalty clause
(viii) Performance Guarantee clause
(ix) Arbitration / resolution of Dispute
(x) Force Majeure
(xi) Acceptance of jurisdiction and Applicable Law
(xii) Tax Liabilities Clause
(xiii) Safety & Labour Law
(xiv) Termination Clause
(xv) Integrity Pact
(xvi) Insurance
(xvii) Any other condition specifically mentioned in the tender document elsewhere that non-compliance of the clause lead to rejection of the bid.

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

7.15 The originals of the documents submitted by the bidder shall have to be produced by the bidder(s) to OIL as and when asked for.

8.0 PRICE EVALUATION CRITERIA:

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

8.1 The bidders must quote their charges / rates in the manner as called for vide "**Schedule of Rates**" under **Section-III** and the summarized Price Bid Format vide enclosed **PROFORMA-B**.

8.2 In the event of computational error between unit price and total price, the quoted unit price shall prevail. Similarly, in the event of discrepancy between rates quoted in words and figures, the unit rates quoted in words will prevail.

8.3 Priced Bids shall be evaluated taking into account the Price quoted as per **Proforma-B** including quoted GST.

8.4 Quoted price must include all liabilities and taxes including statutory liabilities but excluding GST, which shall be quoted separately in the Price Bid format.

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

8.6 **Priced Bid Evaluation**

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

ii) The inter-se-ranking of the techno-commercially qualified bidders will be determined on overall lowest cost basis (L-1 offer) i.e. considering the Total quoted price **[Srl. No. AA of PROFORMA-B]** inclusive of all liabilities and GST.

8.7 **Customs Duty:**

In terms of Sl. No. 404 of the Customs Notification No. 50/2017-Cus dated 30.06.2017 amended vide Customs Notification No. 02/2022-Customs dated 01.02.2022 and amended further vide Customs Notification No. 30/2024 dated 23.07.2024, imports of the items specified in List 33 of the Notification are subject to levy of concessional rate of customs duty @12% (BCD Nil & IGST @12%) subject to conditions specified therein (Condition No. 48). Similarly, the domestic supply of such goods would attract 12% GST (i.e. IGST or CGST & SGST/UTSGT) on submission of EC in terms of GST Notification No. 3/2017-Integrated Tax (Rates) Dated 28.06.2017 and amended vide Notification No. 16/2019 Dated 30.09.2019 and 08/2022-Integrated Tax (Rate) dated 13.07.2022.

Bidders shall take note of the prevailing customs notifications including the latest amendment vide gazette Notification No. 30/2024 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 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 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 as per **Proforma-A** prudently along with their bid.

Undertaking/Certificate for availing concessional rate of Customs Duty shall be issued by OIL only for the eligible items, provided the same are included in the Proforma-A submitted by the bidder.

Note:

a) The customs notifications are subject to change as per Government guidelines and the provisions ruling at the time of Bid Closing will be applicable.

b) The Bidder has to re-export or block transfer or re-export to SEZ (as permissible under applicable customs rules / regulations and provided Company is out of charge after Block Transfer or re-export to SEZ) the items after completion of the contract in case of imported items. The bidder will be fully responsible to pay the customs duty in case the items are taken by the Contractor to area where customs duty benefit is not applicable. This is applicable in case OIL issues the certificate for availing concessional customs duty for import of goods.

8.8 **Purchase Preference Clause:**

A) MSE Policy:

Purchase Preference to Micro and Small Enterprises is applicable for this tender.

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

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

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

I) In case participating MSEs quote price within price band of L1+15%, such MSE shall be considered for award of contract by bringing down their price to L1 price in a situation where L1 price is from someone other than an MSE.

II) In case of more than one such MSE qualifying for 15% purchase preference, the contract shall be awarded to lowest eligible MSE amongst the MSEs qualifying for 15% purchase preference.

III) Provisions such as seeking support from another company by way of Parent / Subsidiary / Sister Subsidiary / Co Subsidiary company's experience / consortium bid, 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 (whichever applicable) will be eligible for the benefits reserved for MSEs provided the supporting company for technical and financial strength is / are also a MSE's. However, in case of submission of Consortium bids by MSEs, in order to avail the benefits reserved for MSEs, the MSE bidder shall have to rely on their own strength or on the strength of another MSE only to meet the various tender requirements including technical and financial evaluation criteria. In that case, all the members of the Consortium including the leader of the Consortium should be eligible MSEs. Further, in case of bid from JVC (incorporated), in order to avail the above MSE benefits, the bidder i.e., JVC shall have to be MSE unit.

B) MII Policy:

Purchase preference to MII - notified 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-FPPNG-Part (4) (E-41432) dated 26th April 2022, shall be applicable in this tender. Bidders to check the provisions of the Notification and their eligibility to bid and any claim on Purchase preference. Purchase preference will be applicable as per the Notification(s) and any amendment thereof.

8.9 **Award of Contract:**

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.

9.0 GENERAL NOTES:

i) 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.

ii) 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 evaluated based on the submission. However, mere submission of such clarification shall not make the offer responsive, unless company is satisfied with the substantial responsiveness of the offer.

iii) If any of the clauses in the BEC contradict with other clauses of the Bid Document elsewhere, then the clauses in the BEC shall prevail.

iv) 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.

v) 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.

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

vii) **Submission of forged documents**: 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-K**.

viii) **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. Formats for submission of undertaking is enclosed as **Exhibit -I, II & III.**

ix) **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.

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SECTION - III (PART-I)

(REVISED – Version 1)

SCHEDULE 1

SCOPE OF WORK AND TECHNICAL SPECIFICATIONS

MODULAR STIMULATION SERVICES PACKAGE FOR ACID TREATMENT/ FRACTURING & CTU-FPU SERVICES

OIL intends to hire Modular Stimulation equipment package for carrying out Acid Treatment / Fracturing and Coil Tubing operations in 02 (Two) offshore wells of AN-OSHP-2018/1 & AN-OSHP-2018/2 blocks in Andaman-Nicobar Offshore area, India with another 01 optional well in Indian Waters as mentioned below on call out basis as per requirement.

To provide services for stimulation through acid treatment / Fracturing / multi-stage acid fracturing jobs and CTU assisted services like cleanout, milling of cement plugs, activation, Nitrogen activation services (NPU Services will be provided by company from well testing services) in exploratory offshore wells in AN-OSHP-2018/1 & AN-OSHP-2018/2 blocks in Andaman-Nicobar Offshore area, India. The Bottom clean out & Activation shall be done with Coiled Tubing and Nitrogen unit placed on the Rig platform. The acid job /fracturing shall be done employing Modular stimulation equipment package on Semisubmersible / jack up rig provided by OIL. OIL may, however, utilize this contract for any of the wells of the same block or any other blocks based on its sole discretion.

SCOPE OF WORK

To Design and provide Acid Treatments/ Fracturing services in exploratory offshore wells of Andaman & Nicobar blocks in Eastern Offshore with all related equipment and chemicals with Semisubmersible / Jack up Rig / Modular Rig in place. The jobs shall be done by positioning and connecting the pumping lines of the modular stimulation package on Semisubmersible rig or jack up rig provided by OIL.

To provide Modular Coil Tubing operations connected alone or with OIL's existing Nitrogen pumping services in exploratory offshore wells of Andaman & Nicobar blocks in Eastern Offshore with all related equipment and chemicals. The Bottom clean out & Activation shall be done with Coiled Tubing unit and OIL's existing Nitrogen unit placed on the Semisubmersible Rig / Jack up Rig. Coil Tubing assistance would also be taken for placing the Acid against the zone before the main acid/ fracturing treatment is pumped as per the job requirement.

Both the individual package(s) / services shall all be under one contract to provide & facilitate a single-point sourcing, invoicing and cost tracking function to OIL for all the Services under this contract with all necessary equipment, materials and services required by OIL that are to be supplied as part of the Contract, except where specifically stated as being provided by OIL.

It is not the intent of the Scope of Work and accompanying Technical Specifications to cover every component, sub-system, or minor detail of the equipment and outfitting

on the Rig / Vessel (for transfer) provided by OIL. Therefore, any material or parts, the omission of which would be detrimental to the serviceability of the equipment and the inclusion of which is generally accepted Good Shipbuilding / offshore operation Practice, shall be provided by the Contractor.

Acid Treatment / Fracturing Services:

Acid treatment/fracturing jobs shall be carried out in the zones / wells as part of the well program in reservoirs of Offshore Andaman field having well depths in the range of 1400 m to 4250 m. Multi-stage fracturing jobs shall also be carried out in each well, if required. Based on lithology, it is expected to carry out maximum 3 nos. of jobs in each well. Zonal isolation shall be by using bridge plugs or sand plugs with / without cement plugs. All operations shall be carried out through 10 K Modular stimulation package equipped with all required equipment, tools, chemicals and other consumable materials. Technical specifications of the equipment are given at **Attachment II**.

Technical specifications of all these equipment /packages should be capable of rig based well operations.

The stimulation jobs shall be performed on the semisubmersible rig as per the requirement and the modular stimulation equipment package shall be installed at semisubmersible rig provided by OIL for job execution depending on the type of rig. The duties expected from these equipment shall be as per **Attachment-I**.

The contractor shall carry out, Mobilization, Preparation and Execution of Acid Treatment / Fracturing of 02 Wells within 150 days from the date of issuance of mobilization notice as below:

Completion milestone	Elapsed time frame from the date of start of the job
A) Kick off Meeting at Kakinada and data collection	Within 10 days of Issuance of Mobilisation Notice
B) Arrival of Contractor's Stimulation Equipment at Shore Base for on hire survey	Within 70 days of Issuance of Mobilisation Notice
C) Onhire survey of Contractor's Stimulation Equipment including CTU - FPU	Within 75 days of Issuance of Mobilisation Notice
D) Spotting & Sea fastening of Contractor's Stimulation Equipment including CTU - FPU on Rig	Within 5 days from loading on to the Rig
E) Acid Treatment / Fracturing Execution:	Within 150 days of Issuance of Mobilisation Notice

The contractor shall also make all effort to mobilize the contractor's equipment, tools, manpower etc., within the less time than mentioned above upon OIL's request on need basis.

The contractor shall submit the required work program for Acid Treatment / Fracturing according to which OIL shall carry out the well completion with 10K psi differential pressure retrievable Packer through OIL's existing well testing service contract to prepare the wells for Acid Treatment / Fracturing. As per the suggested

work program, any requirements for Tubing string, DST (as applicable), retrievable packer and perforation shall also be provided by OIL. Any specific requirement for stimulation jobs like acid, solvent, scale removal etc. if required shall be mentioned in the proposal plan which shall be executed by the contractor. Such work program shall include, but not limited to, any specific requirement like perforation, tubing string details, pumpable volume, rate & pressure, packer setting depth, interdependent activity required from other service providers, execution timelines & methodology etc., **The final work program shall be approved by the COMPANY**. The contractor shall make necessary suggestions /changes, if required, as per OIL for finalization.

The responsibility for the mobilization of resources of the Contractor shall lie with the Contractor. The information and planning in this regard will be reviewed by Company for execution as per plan.

Inspection of site (at Shore Base, port, Rig) prior to mobilization shall be done by contractor. All handling equipment and logistic support like crane, trailer/truck, fork lifter etc. required till company's shore base will have to be arranged by the contractor.

The sea fastening / fitment of the stimulation / hydraulic fracture equipment onto the rig will have to be arranged by the contractor.

The contractor has to make its own boarding and lodging arrangements along with the transport system for the mobilization/demobilization of its personnel on land.

Contractor to establish a base camp at Kakinada for storage of equipment / materials / maintenance etc. All responsibility of storage and handling will be on the Contractor.

Coiled Tubing Services:

Coiled tubing with associated equipment, tools and accessories shall be placed on the semisubmersible rig or jack up rig for carrying out milling / clean out / activation / stimulation / cement clearing jobs etc. required as per well program. Technical specifications of the equipment and tools are given at **Attachment II**.

Fluid Pumper Services:

Fluid Pumper Unit (min 10 K) with associated treating irons shall be placed on the semisubmersible rig or jack up rig in conjunction to work with CTU Services for milling / clean out / stimulation / cement clearing jobs etc. required as per well program.

Nitrogen Unit Services (Already available as OIL's Well Testing Services):

10 K Nitrogen unit with associated equipment, tools and accessories will be made available through OIL's existing well testing service contract and will be placed on the semisubmersible rig or jack up rig for carrying out activation jobs etc. required as per well program.

Services to be provided by the Contractor:

1.0 To provide experienced & competent personnel to perform Acid Treatment / Fracturing), Well clean-outs / Activation/ milling/ cement clearing / CT associated services with all modular packages of stimulation equipment and Coil Tubing Operations on the rig in a professional manner following internationally recognized safe practices.

1.1 The Crew will be provided with personal protective equipment, operational and safety kits, which include but not limited to boiler suit, a helmet, a pair of safety shoes, safety goggles & earmuffs, etc.

1.2 Compliance of all statutory requirements of Govt. of India for expatriates.

1.3 All the personnel to be deployed in offshore should have the following training certificates:

a. Personal Safety & Social Responsibilities,
b. Proficiency in Elementary First Aid,
c. Personal Survival Techniques, and
d. Fire Prevention and Fire Fighting
e. Helicopter Under water Escape Training
f. H_2S (Hydrogen Sulfide) safety training

The above trainings have to be done from any of the DG Shipping approved Institute as per STCW'95 or amendment thereof required by DG Shipping or equivalent. Certificates of OPITO approved training meeting above requirements shall also be acceptable.

For expatriate personnel having training certificates from locations abroad, Contractor has to arrange the certificate endorsement from any of the DG Shipping approved Institute.

The validity of each certificate shall be considered as mentioned in the certificate issued by the Institute.

1.4 To provide a Base manager for co-ordination and follow up of Offshore Operations including Rig & vessel co-ordination for safe and timely job execution. The Base Manager will be responsible for smooth operations as well as maintenance of all equipment provided by contractor and deployment of complete crew. The Base Manager will have suitable office accommodation and all secretarial assistance required to enable him to carry out his responsibilities. Base Manager will be responsible for all matters arising out of this contract and ensuring smooth execution of the contract and will be the primary point of contact between the company and the bidder.

1.5 To keep Stimulation / Coil Tubing equipment & systems in readiness for operations at all times unconditionally. The contracted services / jobs may have to be carried out even at night on round the clock basis at all offshore installations. The necessary inventory of stores & spares needs to be maintained on the rig for uninterrupted operations. Certain spare Equipment with prior approval of OIL can be maintained at the shore base as well due to various constraints and incase of failure of primary equipment, time will be provided to

contractor to fetch the backup from the Shore base. The responsibility includes customs clearance & payment of customs duty on the stores & spares imported for the operations and maintenance at the Rig (if applicable).

1.6 **RESIDUAL LIFE OF EQUIPMENT AND TOOLS:**

The residual life of all the Stimulation Equipment(s), Acid, FPU and CTU equipment shall not be less than 5 (Five) years as on the original bid closing date of the tender. The equipment(s) should have been re-certified by the third-party certifying agencies viz: LRDISI, ABS, Oilfield Audit Services Inc., DNV GL, Bureau Veritas India Pvt Ltd (BV) and OMCI in the last one year from the original bid closing date and the certificate shall be kept valid for the contract period. All credentials such as manufacturing documents, linking serial nos. embossed on the equipment's offered with detailed specifications, must be submitted before mobilizing the equipment and also at the time of on-hire survey.

1.7 **SUPPLY BASE:**

The Bidder's onshore supply base should be equipped with all the facilities which may be required if the equipment / tools are required to be changed / serviced/ repaired and which cannot be done at the Drilling rig. This requires good coordination between the Drilling rig and the Bidder base during Acid Treatment / Fracturing Services. All costs associated with establishing and running such a facility will be to the Bidder's account.

The transportation of their equipment / tools from and to their supply base to OIL's Shore Base at Kakinada is Service Provider's responsibility at their own cost.

1.8 **TOOLS/EQUIPMENT/SPARES/CONSUMABLES:**

The Bidder shall provide tools/equipment for the complete services. Such equipment & tools shall be safe for operation meeting HSE / Statutory requirements and effective. The Bidder shall keep sufficient back up tools and equipment, spares, elastomers, redress kits, etc. in order to ensure uninterrupted services. An indicative list of tools and equipment are given in this scope of work. Any additional tools/equipment/spares/consumables required to fulfil the scope of work but not covered in the list are also to be supplied by Bidder at no extra charge.

1.9 The Bidder shall provide complete Acid Stimulation/frac, FPU & CTU equipment (along with tools & accessories) and compatible X-overs, if required, suitable for well conditions along with operating crew to carry out acid treatment / fracking of the offshore wells. The Bidder shall provide the necessary documentation and equipment details as required by the Rig's Warranty Surveyor to get the same vetted and for the acceptance of equipment and their placement on deck, cooling requirements etc. The Bidder shall be responsible for ensuring that all the equipment provided satisfies Warranty Surveyors requirements/acceptance. If required, the bidder will be responsible for replacing the equipment to satisfy Warranty surveyor's requirements at no additional costs. Any certification required by the Rig Service provider for onboarding the equipment on Rig, the service provider shall comply the requirement without any additional cost implication to company. Bidder's all Stimulation Equipment for Acid Treatment

/ Fracturing shall be Rig Safe (all Rig Safe equipment should have been certified by OIL's approved third-party inspection agency) while CTU – FPU equipment shall be Zone II complaint.

1.10 For Stimulation package vetting, following activities would be required:

Package on Rig:

a) Submission of all documents stated in Warranty Surveyor's Memo on stimulation by the service provider.

   i. Stimulation Job Design Report including Process P&ID & Layouts
   ii. Any other Equipment details

b) Layout review to check the loading on the rig to ensure sufficient structural strength (Rig service provider's responsibility).

c) Sea fastening Study to design adequate securing for all stimulation equipment, using 17deg list condition with an additional 10deg static angle applied to reflect inertial forces due to rig motions in the damage condition.

d) Sourcing of AR-AFFF Foam Monitors for firefighting.

e) Staging of all equipment at an onshore location for warranty Surveyor inspection prior to shipping, including certificates.

f) Offshore Inspection and Testing by warranty Surveyor after installation

g) Immediate to issuance of Mobilisation notice, the successful contractor shall evaluate the following critical aspects along with Rig team before deploying the proposed equipment placement:

- Structural Integrity & Deck Loading:
  Verification of deck load capacity against the gross weights and load distribution of each unit, especially fluid-filled tanks, and CT spools.

- Deck Protection Measures:
  Implementation of protective matting or steel plating where necessary to prevent damage to deck surfaces.

- Rig vessel Stability & Marine Support:
  Assessment of Rig vessel trim and stability with the added weight and distribution of equipment, particularly during dynamic operations.

- Operational Access & Clearance:
  Ensuring safe and unobstructed access for personnel, emergency egress, and equipment manoeuvrability during acid frack and CT operations.

- Simultaneous Operations (SIMOPS):
  Coordination with ongoing production testing and other rig activities to avoid interference or safety conflicts.

- Approval & Compliance:
  Final confirmation from Structural, Marine, HSE, and Operations teams to ensure compliance with rig safety standards and procedures.

After addressing the above considerations with respect to safety of the proposed layout, necessary approval from Rig & Rig Warranty Surveyor shall be secured.

A few key notes for stimulation service provider related to the above requirement:

a) Equipment must be Maritime Standard, i.e. Class society design compliant.

b) Equipment Certification by Classification Society must be up to date, i.e. inspection & testing records.

c) Ex Inspection compliance.

d) Bidder's F&G Detection and ESD shall be tied into the rig RCS for notification and shut down. ESD valves must be fire rated.

e) Layout must consider adequate escape ways.

f) For use of planned chemicals, special storing and handling from the arrival onboard and throughout operations is required.

g) All connections to rig equipment (i.e. choke manifold) must have minimum double block & bleed isolations installed

1.11 The following reports are to be submitted through Base Manager. Formats for the reports will be supplied at the time of actual deployment. This reporting system can be modified by OIL at their discretion to meet any requirements:

a. Daily Safety Report
b. Daily Equipment Status Report,
c. Daily Report giving all the details on Stimulation Jobs, Coil Tubing Jobs
d. Daily Chemicals/Fuel Consumption Report
e. Occurrence Report for Major Incidents (Weekly)
f. Daily Near Miss Report
g. Investigation/Remedial Reports for Major Incidents
h. Any other reports that would be introduced by OIL as per the requirement.

1.12 To report any unusual occurrence noticed breakdown, accident and operational issues with equipment etc. immediately to OIL by written confirmation and should be followed by detailed investigation/remedial report.

1.13 The area of operations is normally the Andaman Offshore area. However, depending upon job requirement, these equipment may be deployed anywhere in Indian waters.

1.14 Bidder has to carry the fitment of modular stimulation equipment on the Rig within the stipulated time by practicing the highest safety standards and the standard operating procedures. All these stimulation equipment to be functional tested individually and wet test has to be carried out. Bidder has to ensure to

obtain satisfactory report of successful wet test from OIL before taking up each well for stimulation job. All applicable cost towards necessary marine and or rig warranty survey or inspection and or statutory clearances for bidder's equipment shall be borne by the contractor without any additional cost to company.

1.15 To keep pressure test/functional test reports of the Stimulation Equipment & other equipment of the campaign at all the times by periodical surveys by respective agencies.

1.16 The equipment should have Safety Management System in compliance with prevailing environments as a statutory requirement since all wells are tentatively gas wells (presence of CO2 and H2S were not encountered in last well).

1.17 The successful bidder will submit a detailed project execution plan to the company on the day of kick-off meeting. The Company will review the same and advise the Bidder if there are any comments or suggestions, returning a marked-up copy, if required. The Bidder will incorporate all the comments and resubmit for final approval. The Project Execution Plan will be consistent with the requirements of the Contract and this Scope of Work.

1.18 The official language of the Contract will be English. Accordingly, all written & verbal communications will be in English only.

1.19 The Contractor will take all necessary measures to protect the personnel, work and facilities and will observe safety rules and regulations of OIL provided to the Contractor. No smoking or flames will be permitted while working on or nearby the Unit handling hydrocarbon or where the atmosphere contains explosive mixture. No hot job will be carried out while working in hazardous areas without written hot permit from OIL.

1.20 The Contractor will report as soon as possible any evidence, which may indicate or is likely to lead to an abnormal or dangerous situation and to immediately take emergency control steps to avoid any abnormal situation.

1.21 Regular meetings will be held for better interaction & coordination on compliance to the Contractual requirements. The Contractor must ensure participation of Base Manager and any other concerned personnel for the referred meetings. Prior approval should be obtained for the substitute base manager.

1.22 Consumption of alcohol & drugs and photography are strictly prohibited onboard rigs. Any breach of this discipline will be viewed seriously and the personnel found guilty will be deported. The Contractor will replace any of the crew personnel deported on this account at their own cost.

1.23 The Bidder will provide interface management to ensure resolution of all technical issues encountered at any interface between itself and the Company's other Bidders / contractors such as that for Flow Head, DST equipment supplier or completion equipment supplier, well testing equipment, Nitrogen pumping unit, Completion/ Drilling Fluids supplier and any other Testing related

services, and will prepare, organize, monitor, and participate in Interface Meetings, wherever necessary.

1.24 The proposed deployment of the hired equipment and personnel commences from the date of completion of mobilization and will be valid for a contract validity period and extend till the actual date of completion of operation under progress in the well, whichever is earlier.

1.25 The equipment will be technically in operating conditions throughout the contract period.

1.26 In case the CONTRACTOR's equipment does not operate on any day due to technical problem of OIL, standby rate will be payable for such non-operating day.

1.27 **Services to be provided by OIL**

OIL will provide the following services at their expense for the execution of the Contract:

1.27.1 Transportation of crew to & fro from Offshore through OIL's helibase /offshore designated base.

1.27.2 Nitrogen Pumping Unit with crew and consumables required for flow-back operations will be provided by company from existing well testing services.

1.27.3 To make available to the Contractor's personnel, when present in the Offshore, medical assistance as available in case of emergencies including medical evacuation to base if required.

1.27.4 To use OIL's communication facilities at offshore for coordination with Contractor Base/ OIL office.

1.27.5 To provide supply vessel assistance for transportation of Contractor's materials to and fro from Offshore through OIL's base including loading and unloading facilities at both the ends.

1.27.6 To provide Fuel (HSD) and Drill Water for stimulation operations. However, the POL other than fuel will be supplied by the contractor.

1.27.7 Transportation of chemicals for Acid treatment / Fracturing to & fro from Offshore through OIL's onshore supply base.

1.27.8 Transportation of chemical and equipment package for CTU equipment to & fro from Offshore through OIL's onshore supply base.

1.27.9 To provide jetty & Crane assistance while modular stimulation package is installed / fitted / removed / uninstall on the rig.

SCHEDULE 2

Installation of Modular Stimulation Package on Rig

2.1 Installation and Dismantling of Contractor's Modular Stimulation Package on OIL's Rig:

OIL shall provide a Semisubmersible / Jackup Rig having deck area of approx. 2100 to 2500 sq.ft to install Acid Treatment/Fracturing Equipment on riser deck area and CTU-FPU equipment on upper deck area. Bidder shall propose a modular stimulation package spread to be installed on such a Rig.

The "Wet Test" of stimulation equipment package will be carried out at onshore as a part of on-hire survey and or marine / Rig warranty survey as applicable. After wet test at Onshore, stimulation Equipment package will be installed on OIL designated rig and Wet test shall be carried out as per jobs requirement.

Once the loading of equipment starts for fitment / installation then only lump-sum fitment charges will be applicable for the entire duration of fitment and successful wet test after fitment. Bidder needs to complete the mobilization of equipment, wet test at onshore, installation and wet test at offshore.

Bidder shall provide the detailed activity plan for mobilization, wet test, fitment and wet test on the rig.

Bidder has to make suitable arrangements for storing Dry / Liquid chemicals to keep them in good & usable condition in all weather conditions.

General arrangement plan indicating riser deck and upper deck area with dimensions should be submitted by bidder. For drafting the layout plan specifications of Blackford Dolphin Rig can be taken as basis.

Bidder shall provide the detailed activity plan for dismantling the equipment from the OIL's provided Rig.

Bidder shall complete the dismantling of equipment from the OIL's provided rig within **03 days** from the date of de-mobilization notice.

Bidder needs to complete equipment spotting, sea fastening, installation & wet test on the rig within 05 days from the date of company's advise to commence operation after boarded to Rig.

2.2 Communication

- Bidder shall have VHF radio sets and minimum 10 Nos. of Intrinsically safe walkie-talkies to have proper and adequate communication.

2.3 Other Equipment:

- Should have at adequate quantity of required Iron, fitments, changeovers & connections for offshore stimulation job rig up / well head connection.

All changeovers are to be integral and working pressure of 10000 psi with Test Certificates indicating the API Grade.

- All connections, required manifolds and transfer hoses for loading Acid, Water & HSD at Shore Base. Transfer pumps with transfer hoses and air hose connections for handling / transferring liquid chemicals at Shore Base.

- Open venting of Acid fumes and fumes of all chemicals & blends is strictly prohibited at all the times. Proper venting system will be provided to vent these fumes to water level.

- Minimum 02 no. of pressure sensors (0-10000 PSI) along with data acquisition system (wired / wireless) to be provided for simultaneous pressure reading from 02 locations at Well head area.

- Minimum 100 Meters length Flexible Rubber hoses (2"/4"/3"-10000 Psi working Pressure) capable of handling stimulation chemicals for pumping purposes (other than coflexip hoses) along with handling tools & equipment. Any shortage in length of flexible rubber hoses shall be made by the contractor to connect within the rig.

- All other material required for proper performance of the contract should be adequately available onboard. List of such equipment should be included in the bid.

SCHEDULE 3

3. CONTRACTOR'S PERSONNEL

3.1 Personnel to be mobilized under regular category

The Contractor shall provide crew for Stimulation / Acidization services and CTU services.

The contractor personnel will include the crew for acid fracturing, Acidization & CTU - FPU Operation. The competence, number and category of technical personnel may be decided by the Contractor to ensure satisfactory performance of all the equipment during the contract period.

The Contractor should indicate the minimum number of personnel of each category who will remain onboard Rig for execution of acid / fracturing jobs and pre & post stimulation operations / Acidization / CTU operations etc. and at base for management / project co-ordination and their experience should be as per **Attachment-III**.

For each acid stimulation/ fracturing / CTU-FPU, the contractor will mobilize the operating personnel within 7 (seven) days from the date of intimation. Personnel charges will be applicable from time the personnel arrive at location (OIL Base / Rig / well site) and will cease the time the personnel leave location (OIL Base / Rig / well site) after completion of job. Transportation of personnel to and from offshore rig and OIL base (Sri Vijaypuram) will be done by OIL. All local transport, base accommodation, agency fee etc. during the entire period of the Contract for both expatriate and Indian national personnel will be borne by the Contractor.

3.2 INFORMATION TO CONTRACTOR

3.2.1 The Contractor should provide as and when required by Company the Personnel with minimum required qualifications and experience as stipulated in **Attachment-III.**

3.2.2 The qualifications and experience of the CONTRACTOR's personnel, as required as per **Attachment-III**, will be checked / verified by the COMPANY, or by the COMPANY's certifying agency, at any time during the contract period. Any of the CONTRACTOR's personnel found not having the qualifications/ experience, as per **Attachment-III** for their job category will not be treated as part of the crew for such period and shortage will be treated as per Clause 7.3.3 of Schedule-7. OIL has every right to stop the operations if the deployed crew is found not competent or his actions jeopardizes safety of operations and will be dealt with severe penalties and immediate replacement.

3.2.3 The CONTRACTOR shall submit the resumes of all regular and call out personnel to the COMPANY for approval at least seven days before they are due to join the rig. Such resumes shall be complete with all required details. The date of submission of resumes complete in all respect will be the date of accepting the resumes for processing further for issue of NED pass/ deployment for operations.

3.2.4 Copies of all relevant certificates will be submitted to the COMPANY, for verification of qualifications, at the time the person is mobilized.

3.2.5 All personnel to be deployed offshore should possess training certificates as required by DG Shipping like Personal Survival Techniques (PST), Personal Safety & Social Responsibilities (PSSR), Elementary First Aid and Fire Prevention & Fire Fighting. All personnel deployed offshore should also have undergone Helicopter Underwater Escape Training (HUET) and H2S Safety Training.

3.2.6 All personnel should possess attested Xerox Copies of their certificates while on duty onboard the rig offshore location.

3.2.7 Contractor should ensure that all individuals deployed by them fulfill the minimum requisite criteria as well as any applicable National or International regulations including Health Safety and Labor Welfare Laws as well as security procedures.

3.2.8 Any other person required by the contractor for carrying out the scope of work as per **Schedule-1** of Contract may be deployed on board at the cost of the contractor, after obtaining approval of OIL.

3.2.9 OIL reserves the right to remove any individual as per this Scope of Work & Special terms and Conditions of Contract.

3.2.10 If at any stage it becomes known that the individual deployed by the contractor was not fulfilling requisite qualification / experience criteria, then irrespective of whether the individual was previously approved or not by OIL, the payment made if any for such individual will be recovered from the contractor.

SCHEDULE-4
BASE SUPPORT PERSONNEL

The CONTRACTOR has to provide representative at OIL base for co-ordination of the acid stimulation / fracturing, CTU - FPU operations, including all equipment and personnel. Representative at Base shall co-ordinate the design & the operational strategy of the above mentioned operations at OIL base. Base representatives of the CONTRACTOR shall prepare procedures, reports etc. of international standard for the operations / equipment on rig. The personnel requirement to accomplish the above shall be decided by the CONTRACTOR.

Minimum one Base representative has to be provided. The Base representative will be required to attend operational meetings and other meetings called by the Company for design, planning and execution of operations at Rig without any cost implications to OIL. The absence of the key personnel from such meetings, without prior approval from Company, will be considered as crew shortage and will be treated as per **clause 7.3 of Schedule-7**.

SCHEDULE-5

REPORTING (AT NO ADDITIONAL COST TO THE COMPANY)

The reporting system as per scope of work (Schedule-1) will be adopted and may be further modified by the Company at any time to meet the work requirements.

SCHEDULE-6

6.1 MATERIAL, SUPPLIES, EQUIPMENTS, SERVICES AND PERSONNEL TO BE FURNISHED BY CONTRACTOR

The Contractor will supply all material, consumables, equipment, services and personnel, necessary to carry out his obligations under this Contract and will be responsible for the timely ordering and delivery of all such material, consumables, equipment, services and personnel to ensure un-interrupted performance of work. Any down time on this account will be at the Contractor's cost.

6.1.1 Material, Supplies and Equipment

6.1.1.1 The material, consumables and equipment which the Contractor supplies shall be in good working condition and the Contractor shall be solely responsible for such material, consumables and equipment. The Company reserves the right to accept or reject any material, removal from the work site of any material, consumables found defective. Any downtime on this account will be at the Contractor's cost.

6.1.1.2 Maintenance of the Contractor's equipment will be at expense of and be carried out by the Contractor.

6.1.1.3 Consumables required by the Company & which are to be provided by OIL as per the terms of the contract under this agreement will be provided by the Contractor for which the Contractor will be paid service charges of 7.5% of FOB price in case of imported consumables and at the rate of 7.5 % of ex-works price in case of indigenous consumables, in addition to reimbursement of actual price against documentary proof. **Insurance, freight, duties/taxes, if applicable, will be paid as per actuals against relevant documents**. Insurance will be arranged by the Contractor. Above purchase should be initiated with the prior approval from OIL after ascertaining the rate reasonability.

6.1.1.4 Transportation of material between OIL base and offshore will be provided by the Company at 7 days' written notice by the Contractor for such transportation.

6.1.1.5 Contractor will keep 100% redundancy of critical spares to ensure availability of the services throughout the contract period. The material, consumables and equipment to be supplied by the Contractor will be in good working condition and the Contractor will be solely responsible for such material, consumables and equipment. The Company reserves the right to accept or reject any material, removal from the work site of any material & consumables found defective at the Contractor's cost. Any downtime on this account will be at the Contractor's cost.

6.1.2 Personnel and Services

6.1.2.1 The Contractor will furnish to the Company in areas of operation, the personnel who are capable to perform the services, with all equipment and spares etc. as required by the scope of work in **Schedule-1**. Any down time on this account will be at the Contractor's cost.

6.1.2.2 The Contractor will be required to establish a base office to provide support for management of operations, to arrange supplies to the OIL location and to prepare procedures, reports, etc. in compliance with international standards. The personnel requirements to accomplish the above will be decided by the contractor, in view of timely completion of the scope of work and efficient base support requirement.

6.1.2.3 Contractor will provide at its expense all necessary inoculation, passport and visas for any Contractor personnel furnished by Contractor to Company. Contractor will further pay all wages and salaries etc. of the Contractor's personnel furnished under the agreement. Notwithstanding anything contained herein to the contrary, Contractor agrees that the laws and the ordinance of the country of origin and the areas of operation relating to the employment, welfare of its personnel and their entrance into and exit from the country will apply.

6.1.2.4 To-and-fro transportation cost of the regular crew within onshore will be borne by the contractor. Transportation of Stimulation/CT-FPU crew between the Company's Helibase (Port Blair) to the offshore rig and back will be provided by the Company at no cost to the Contractor. No other cost during transit will be borne by the Company. The operational crew change will be normally being carried out after completion of the job at rig.

6.1.2.5 The maintenance of the Stimulation equipment / CTU equipment will be carried out by the contractor at contractor's warehouse base / Rig site for facilitating smooth & un-interrupted stimulation operations after deployment.

6.1.2.6 Boarding and lodging onboard for the contractor's crew at the contractor's base shall be arranged by the Contractor at no cost to the Company for the Contractor's personnel. Boarding and lodging on the rig for the crew, as applicable, shall be provided at Company's cost based on POB capacity.

6.2 Material, Supplies, Equipment, Services and personnel to be furnished by Company

6.2.1 Company, at its expenses, will make available to Contractor's personnel, medical assistance available with Company at site in case of emergencies.

6.2.2 The Company will supply the following items only:

1. **Diesel for stimulation:** Quantity of diesel used in the chemical mix for stimulation jobs will be considered as the diesel for stimulation consumption which will be provided by OIL free of cost. All other diesel consumed by contractor for Stimulation equipment is defined as Marine diesel.

2. **Diesel for Coil Tubing Unit:** Quantity of diesel to operate Coil Tubing Unit will be provided by OIL free of cost. However, all other POL other than diesel to operate these units shall be supplied by the contractor.

3. **Drill water** for stimulation operation.

6.2.3 For the above supplies, the Contractor will give minimum one week notice to the Company. In the event, the Company authorizes the contractor to make arrangements for all consumables/items as documented at **Clause 6.2.3.1**, then the quality of the consumables /items will be ensured by the contractor. The cost of sub-standard items noticed before/during use will not be reimbursed by the Company. Any downtime on this account will be at the Contractor's cost. OIL will give two weeks' notice for mobilization of consumables / items listed at **Clause 6.2.3.1**.

6.2.4 The cost of diesel/consumables will be to the contractor's account in the following situations:

i) During equipment non-operational period as per clause 7.1.2.

ii) During breakdown period as per Clause 7.3.3 (breakdown at contractor's cost).

The cost of diesel / consumables to contractor's account will be worked out on the basis of per hour consumption figures worked out at the end of wet test and the prevailing rate.

6.2.5 Contractor will be responsible for keeping a sufficient stock of items on board/base to meet operational requirements.

It is the Contractor's responsibility to determine the quantity of consumables / items required to ensure a smooth, efficient & un-interrupted execution of the scope of work and to obtain the Company's authorization to procure, whenever applicable. Any down time on this account will be at the Contractor's cost.

6.2.6 The quality of the consumables / items will be ensured by the Contractor. The cost of sub-standard items noticed before / during use will not be reimbursed by the Company. Any down time on this account will be at the Contractor's cost.

6.2.7 Reimbursement will be made by the Company after authorization and proof of receipt of the items.

6.2.8 Crane facility for loading and unloading of Contractor's material at Rig will be provided by the Company at no cost to Contractor. Proper loading, spotting and re-arranging of all the chemicals & cargo on transportation vessel will be made by contractor with the jetty crane provided by OIL.

6.2.9 The Contractor will keep the equipment in good and ready condition in between the acid stimulation / fracturing operations in different wells / objects. However, for different stimulation/fracturing job stages in single well, equipment are to be in place on rig. Replenishment of onboard materials and chemicals for next job will be done at Kakinada jetty. Acid chemicals will be loaded at a time for at least two jobs. In case of requirement of any additional /specialty chemicals/materials, the Company will provide transport for equipment, material and consumables by sea between the Company base and rig by normal schedule of OSV sailing at no cost to the Contractor.

6.2.10 The Company shall have unqualified right to request the removal of any contractor personal either for incompetence, unreliability or misbehavior etc. while on or off the job. The contractor shall comply with any such request to forthwith remove such personnel at contractor's expense. The contractor will be allowed a maximum of 6 working days to replace the persons by competent person at contractor's cost. In case contractor fails to replace such personnel within 6 working days, no payment would be made for such personnel from the date of request of removal of such personnel.

The MOHA (Ministry of Home affairs, Government of India)/ PCC (Police clearance certificate) for such personnel will have to be produced within 45 days.

SCHEDULE-7

7.1 Contractor's Responsibilities

7.1.1 10 K Modular equipment package for acid stimulation/ fracturing, CTU - FPU, and personnel shall have the requisite capacity and capability to perform as per scope of work during the contract period.

7.1.2 Whenever equipment is required to be withdrawn for any repair, prior approval of Company will be required for the same. The equipment will be on Contractor's account during such period. i.e., from release in the field till it reports back in the field. Such period shall be considered as non-operational period and will be no cost to OIL.

7.1.3 The equipment package should have sufficient Hydraulic Horsepower (not less than 4000 HHP) at a given time for continuous operation of jobs.

7.1.4 Contractor will keep 100% redundancy for critical spare systems. Sufficient spare parts / assemblies / units should be maintained at rig location / base at CONTRACTOR'S cost to take up any repair immediately.

7.1.5 All regular work equipment should remain operational all the time whether in use or out of use.

7.1.6 No reduction / increase in crew will be effected by contractor without prior approval of the Company.

7.1.7 Following valid certificates should be made available for the equipment at the time of on-hire survey. All these certificates should remain valid during the course of contract.

I. Hydrostatic pressure tests as per API guidelines

II. Insurance Certificate

III. Certificate of TPI Survey for lifting slings as per API guidelines

IV. International Tonnage Certificate for each equipment

V. Zone-II compliance for CTU – FPU equipment.

VI. Rig Safe compliance for Acid Treatments/ Fracturing Equipment (certified by OIL approved third party inspection agency)

VII. Any other relevant certificate/ license for operating onboard Stimulation equipment

VIII. HHP test certificate at anticipated max. flow rate for the envisaged pumping time

IX. PV curve match report for all pumps

X. Pressure test /Function Test of CTU PCE and associated equipment

XI. Equipment residual life certificate.

7.1.8 The contractor will carry out all operations in a safe manner in accordance with internationally accepted norms and thereby will be solely responsible for the safety of all personnel engaged by them including Acid/frac and CTU stimulation personnel.

7.1.9 The successful bidder will also obtain any / all other requisite clearances from statutory bodies.

7.1.10 Contractor should ensure any leftover / excess frac fluid/ acid mix is properly neutralized before discharging into sea. While cleaning used tanks in between the jobs they have to follow marine environmental guidelines.

7.2 <u>Operating and Standby Day Rates for Stimulation equipment package, Coil Tubing Equipment and Crew:</u>

Stimulation equipment Package Day rate includes hire of the stimulation services including its equipment as stipulated, reporting, and contractor supply items, and base support personnel.

CTU – FPU unit day rate day rate will include hire for the CTU – FPU unit services including its equipment, work equipment as stipulated, reporting, and contractor supply items and base support personnel.

Stimulation / CTU - FPU day rate excludes the manpower charges.

7.3 <u>Breakdown / Weather down Time</u>

7.3.1 (a) Breakdown / Down Time Definition

The term BREAKDOWN / DOWN TIME will mean the failure of Contractor in performing the work / services due to failure of equipment / consumables / personnel (regular / callout), in accordance with the contract except during the condition of FORCE MAJEURE.

(b) Weather Down Time definition

The term weather down time means the period of failure of equipment / personnel operational capability due to weather conditions in excess of the parameters specified in Schedule-II.

7.3.1.1 Failure of the Contractor to provide the regular Acid / fracturing / CTU - FPU Key personnel and base support personnel as required by Contract.

7.3.1.2 Failure of any equipment in specifications forming part of Acid Stimulation /Fracturing campaign or CTU - FPU equipment day rate.

7.3.2 Permissible limits of Breakdown/Breakdown Time at Company's cost

For all the system / unit forming part of the Modular stimulation equipment package day rate including work equipment, stimulation crew and base support personnel the prevailing operating/standby day rates will be applicable during following down time period:

7.3.2.1 For the work equipment forming part of the day rate of the stimulation equipment or CTU Equipment, no down time will be allowed at Company's cost.

7.3.2.2 Any permissible down time mentioned above, if not necessitated by conditions, will not be availed / en-cashed.

7.3.2.3 During the term of the agreement, if operations hereunder are suspended, due to break down or malfunction of or the need for repairs to Contractor's surface equipment, or due to the failure of contractor to furnish inputs for the operations such as, but not limited to materials, manpower, supplies, equipment or services, and which Contractor is obligated to furnish hereunder or due to failure of modular Stimulation / CTU / other equipment, due to liabilities of contractor, will be treated as breakdown. Any breakdown of equipment / any part of it, if delays the operation or ceases causing shutdown of the operation, will be treated as breakdown.

7.3.3 Breakdown down time at Contractor's cost

7.3.3.1 The Individual Service Day Rate (ISDR) and Operating Component Day Rate (OCDR) / Operating Day Rate (ODR) quoted for that particular service covered in the contractor's Services shall not be paid for such period, that service either:

i) Breaks down,

Or

ii) is not operating or not available as per its intended operations due to which the Drilling unit / other services cannot perform its intended operations,

Or

iii) is not operating or not available as per its intended operations due to which the operation quality is compromised.

7.3.3.2 A pro-rata penalty @ 25% of OCDR Charge of the respective services of shut down shall be imposed & deducted from monthly invoices of the contractor in case of non-availability of the services, manpower, tools, equipment resulting into shut down of Well operations and/or rig and or other services. This deduction shall be in addition to the zero rate for the duration of that particular service for which the rig has faced shut down of the operations.

7.3.3.3 In respect of any shortfall in regular personnel and base support personnel as specified in contract, day rate shall be reduced @1.5% of day rate of ongoing operation per person for the period such short fall exists. In case due to above shortfall operational performance is affected, cost calculated as above (7.3.3.1 & 7.3.3.2) or as per breakdown clause 7.3.3.3 whichever is higher would apply.

7.4 If any of the equipment is withdrawn by the contractor during the period of contract due to breakdown or any other reason, then it will not be liability of Company to clear the Company's material from Rig deck. However, if the decks are required to be cleared, the contractor may be asked to go to the nearest possible location depending on the availability of the space for offloading the material at the contractor's cost.

7.5 Consumables on mobilization / demobilization

The cost of diesel which is available on board at the time of on-hire survey will be recorded and adjusted against the cost of diesel available on board at the time of off-hire survey. The price of diesel for delivery at Kakinada base as on first day of the month of on-hire / off-hire survey will be considered for calculating the cost.

7.6 At the time of non-operational period or off hire of the Modular stimulation equipment package after the expiry of the contract period, the Contractor will hand over materials belonging to the Company. However, the contractor shall not be given any additional time for such transfers and no charges will be payable by the Company.

SCHEDULE-8

8. HEALTH, SAFETY, ENVIRONMENT (HSE) POLICY AND FALL PROTECTION

8.1 INTRODUCTION

COMPANY places prime importance on health, safety and environmental ("HSE") issues and requires that the CONTRACTOR and its SUB CONTRACTOR subscribe to and actively pursue the highest standards of HSE performance. COMPANY'S expectations in terms of HSE are stated in the COMPANY's "Getting HSE Right". The HSE goals for this contract are simply stated – no accidents, no harm to people and no damage to the environment.

CONTRACTOR will assume all liabilities of surface pollution to the extent caused by CONTRACTOR and resulting from spillage or dumping of solvents/Petrochemical substances or pollutants which the CONTRACTOR brings to the work-site for use in connection with the work or service performed under CONTRACT but not to any other extent.

8.2 HSE MANAGEMENT SYSTEM

8.2.1 The CONTRACTOR will provide COMPANY with a statement on its HSE policy.

8.2.2 The CONTRACTOR must have in place a formal HSE management system and must demonstrate commitment to continuous improvement and excellence in HSE issues.

8.2.3 All personnel should be well informed, well trained, engaged and committed to the HSE improvement process.

8.2.4 The CONTRACTOR will establish and maintain procedures for the ongoing identification of hazards, the assessment of risk, and the implementation of necessary control measures.

8.2.5 COMPATIBILITY OF HSE MANAGEMENT SYSTEMS

The CONTRACTOR will co-operate with COMPANY to ensure that the roles and responsibilities in both systems are clearly defined and allocated and are clearly understood by all parties. Where appropriate an interface document will be developed for the CONTRACTOR and COMPANY HSE management systems that incorporate any specific requirements relevant to the WORKSITE or platform on which the CONTRACTOR will perform the WORK.

8.3 COMPLIANCE

8.3.1 The CONTRACTOR will observe and comply with all relevant and current statutory requirements, approved codes of practice and industry guidance on HSE matters.

8.3.2 The CONTRACTOR will observe and comply with all relevant and current COMPANY standards and expectations on HSE matters.

8.4 ORGANISATION ROLES AND RESPONSIBILITIES

The CONTRACTOR's HSE organization will be clearly defined in the HSE Plan. The proposed HSE organization will at a minimum include the following:

8.4.1 Role and responsibilities of CONTRACTOR's senior management.

8.4.2 Role and responsibility of HSE staff.

8.4.3 Interface with major sub-contractors and suppliers.

8.5 TRAINING, AWARENESS AND COMPETENCE ASSURANCE

8.5.1 The scope of which will cover as a minimum:

i) All trade / discipline skills employed in the performance of the WORK.

ii) Understanding of safe working practices including without limitation, communications, safe work systems and risk assessment including risk to the environment.

iii) Compliance with all applicable HSE statutory and national regulations.

iv) A means of confirmation that the system is effective and verification that all PERSONNEL are covered and have been assessed for competence.

8.5.2 COMPANY has the right to object and require the CONTRACTOR to remove from the performance of the WORK any PERSONNEL who in the opinion of COMPANY, misconduct themselves or are incompetent or negligent in the proper performance of their duties and such PERSONNEL will not be again employed upon the WORK without COMPANY'S approval.

8.6 MONITORING AND REPORTING

8.6.1 The CONTRACTOR will submit a formal report, weekly or monthly depending upon the level of risk assessed for the WORK and agreed by the Company which summarizes Contractor's and SUB-CONTRACTOR(S) HSE performance in the preceding reporting period. This report will detail the following:

a) All Occupational Safety and Health Association (OSHA) injuries.

b) All other accidents, spills and other unplanned discharges which either result in, or have potential of significant injury/damage/loss or are reportable to a statutory authority.

c) All near miss incidents, which have potential for injury/damage/loss. The near miss/incident reports themselves must be submitted to COMPANY's site representative immediately after the event.

d) The issue or proposed issue of an Improvement of Prohibition Notice, notice of intended prosecution or other legal process.

e) Any other event reportable to a statutory authority.

f) A summary of monitoring activity, reviews, inspections and audits.

g) A summary of the status of any remedial actions.

h) HSE inputs number of safety observations, number of HSE meetings, and number of actions closed out relating to implementing the CONTRACTOR's HSE plan.

8.6.2 Notwithstanding the provision of an HSE report, the CONTRACTOR will follow the requirements of the COMPANY'S accident and incident reporting and investigation procedures.

8.7 MEDICALS, TRAINING AND PROTECTIVE CLOTHING

8.7.1 All personnel proposed by the CONTRACTOR for duty offshore will be certified as medically fit for duty offshore in accordance with the statutory and national regulation requirements.

8.7.2 All personnel proposed by the CONTRACTOR for duty offshore will have successfully attended sea survival (approved by the COMPANY), fire-fighting and first aid and refresher courses as necessary in accordance with statutory requirements and the COMPANY's requirements whichever is more stringent.

8.7.3 The CONTRACTOR will, at its own expense, provide its personnel with all necessary protective clothing and equipment suitable for the working conditions. For duty at the COMPANY's offshore worksites, such clothing/equipment will be in accordance with the COMPANY's requirements.

8.8 WORKING CONDITIONS

8.8.1 CONTRACTOR will ensure that all personnel provided for the WORK will keep all places of work as clean and tidy as is reasonably practicable under the circumstances, to minimize the risk of injury to persons, damage to property or delays in carrying out the WORK.

8.8.2 On completion of the WORK, CONTRACTOR will, without delay, clear away and remove from the WORKSITE all surplus materials and equipment and leave all areas in a clean and tidy condition to the satisfaction of the COMPANY's REPRESENTATIVE.

8.9 PORTABLE AND TRANSPORTABLE EQUIPMENT

8.9.1 The CONTRACTOR will observe and comply with the COMPANY's procedures with regard to the selection, deployment, operation and maintenance of equipment offshore.

8.9.2 The CONTRACTOR is responsible for ensuring that all equipment is operated and maintained in accordance with safe working practices, and within the design envelope of the equipment.

8.9.3 Any modifications to the original design of the equipment should have been assessed by the CONTRACTOR'S change management system.

8.9.4 Location of equipment at the offshore WORKSITE will be agreed in advance with the COMPANY's REPRESENTATIVE.

8.10 WASTE MANAGEMENT

COMPANY is committed to waste minimization through "reduction, reuse and recycling' of wastes. In the performance of the WORK, the CONTRACTOR will at all times.

8.10.1 Observe and comply with all laws and regulations concerning the production, storage transport, treatment and / or disposal of waste.

8.10.2 Act to minimize the quantity of wastes in accordance with the COMPANY'S HSE policy.

8.10.3 Comply with the WORKSITE waste management procedures for identification, segregation, collection, transportation and disposal of waste as it affects their operations.

Attachment-I

The Capability & Duties Expected from the Charter Hired 10 K PSI rating Modular stimulation equipment package for Acid Treatment / Fracturing, and CTU-FPU Equipment

The capabilities of 10 K PSI rating Modular stimulation equipment package for Acid/Fracturing, FPU, CTU Equipment shall include but not limited to:

I. High pressure pumping operations with Oil and Gas well stimulation chemicals, acids:

II. The Contractor's 10 K psi rating Modular stimulation equipment package with all necessary piping package to be installed on rig provided by OIL at the sole discretion of OIL.

III. Equipment should be provided with certified lifting arrangements for shifting cargo/equipment inside as well as outside the deck area.

The various operations required from the 10 K psi rating Modular stimulation equipment package for acid fracturing, FPU and CTU Equipment are as given below but not limited to:

- Acid stimulation / fracturing using acid / nitrified acid along with other chemicals as per bidder's design (wherever applicable)
- Nitrogen Activation through modular Coiled Tubing (Nitrogen Pumping Unit will be provided through OIL's existing Well Testing Services).
- Milling of cement plugs through Coil Tubing.
- Pumping of higher Sp. Gr. Kill fluids for well control operations, if required
- Well cleanup activities using Coil Tubing

Bidder shall comply with the certification of Stimulation, FPU & CTU packages as required by Drilling Rig / Marine Warranty Surveyor without any additional cost implication to the Company. All supporting documents as required by Warranty Surveyor (M/s DNV) shall be provided at the time of inspection at onshore as well as at Offshore Rig.

The Acid treatment/fracturing, FPU & CTU packages shall be strategically covered with F&G system. Necessary interfacing shall be made between ESD panel / tripping device of Acid treatment /fracturing package with Rig ESD system, if required. Any compliance required in this regard, as advised by Rig Warranty Surveyor, shall be complied without any additional cost to the company.

Acid Treatment / Fracturing

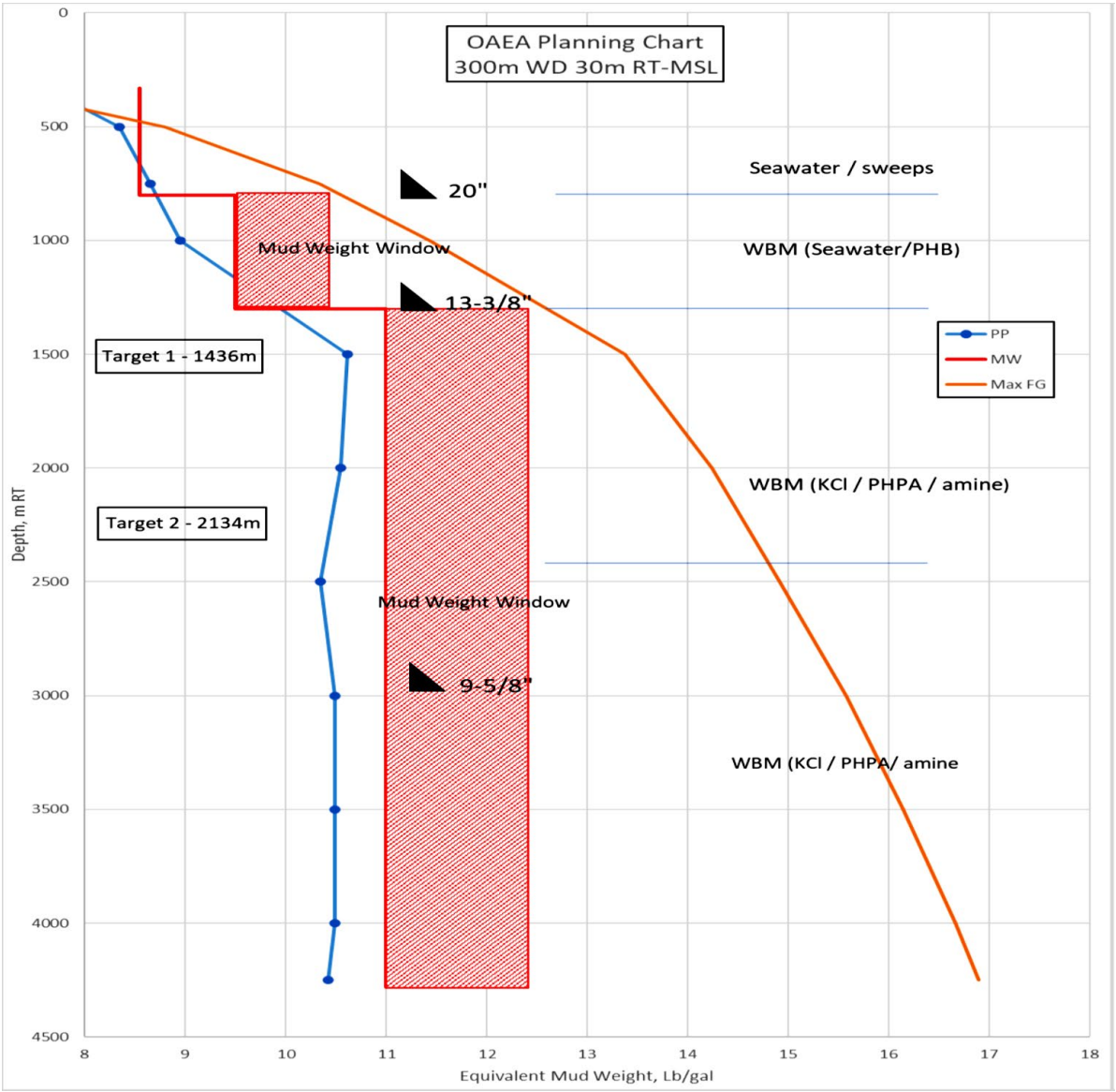
The two offshore exploratory **blocks AN-OSHP-2018/1 and AN-OSHP-2018/2 in the Andaman and Nicobar Islands** are located in East & West Coast of Andaman Offshore areas. The reservoir of well Loc. OAWB drilled in West Andaman offshore is tight silty sand-stone and the reservoir of wells (Loc. OAEA & OAEB) to be drilled in East Andaman Offshore is also expected to be of the same characteristics. These reservoirs need stimulation for facilitating inflow of reservoir fluids during well testing operation, establishing hydrocarbon presence, productivity enhancement and to assess the commerciality for further field development.

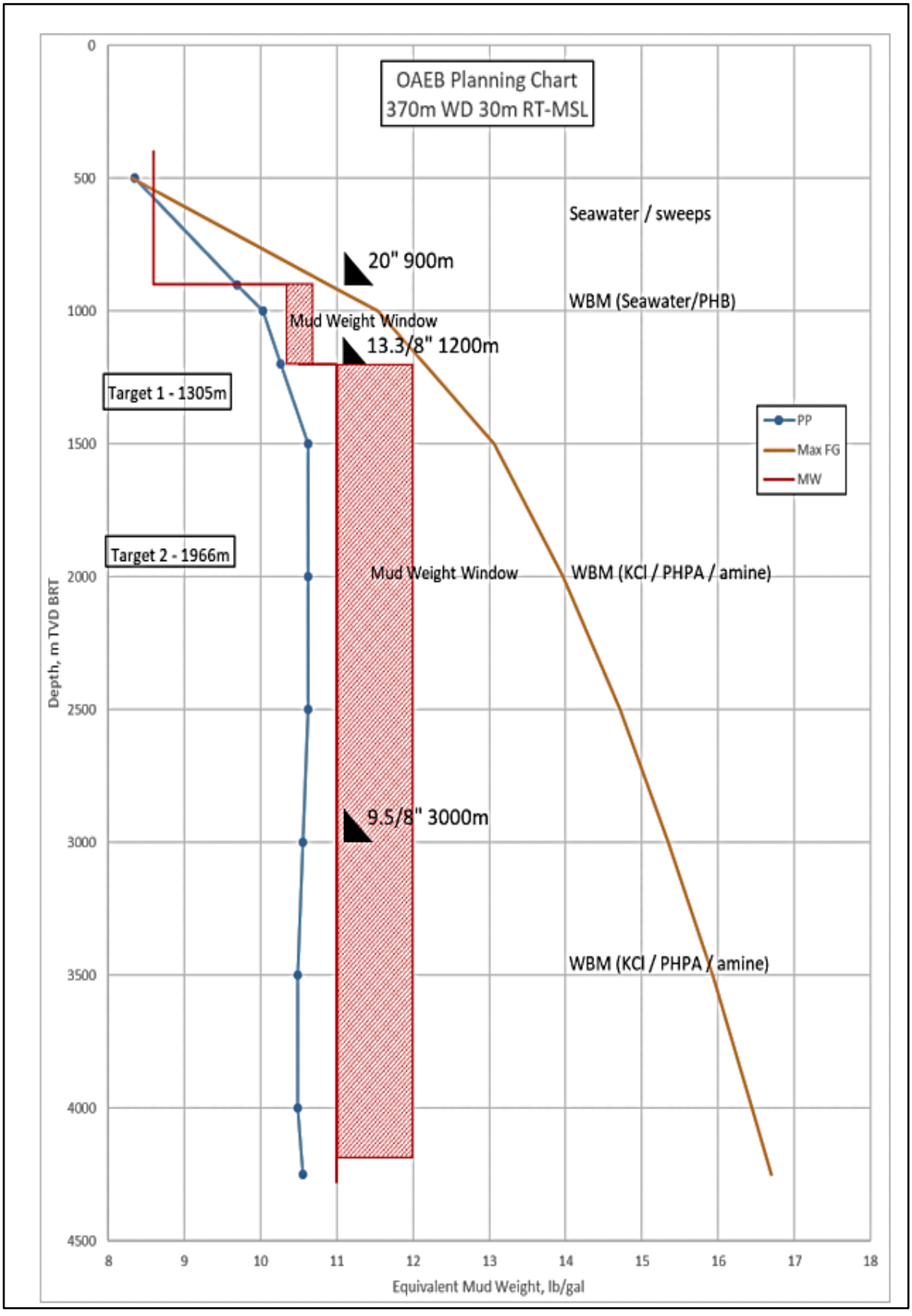
Drilling and Completion Information

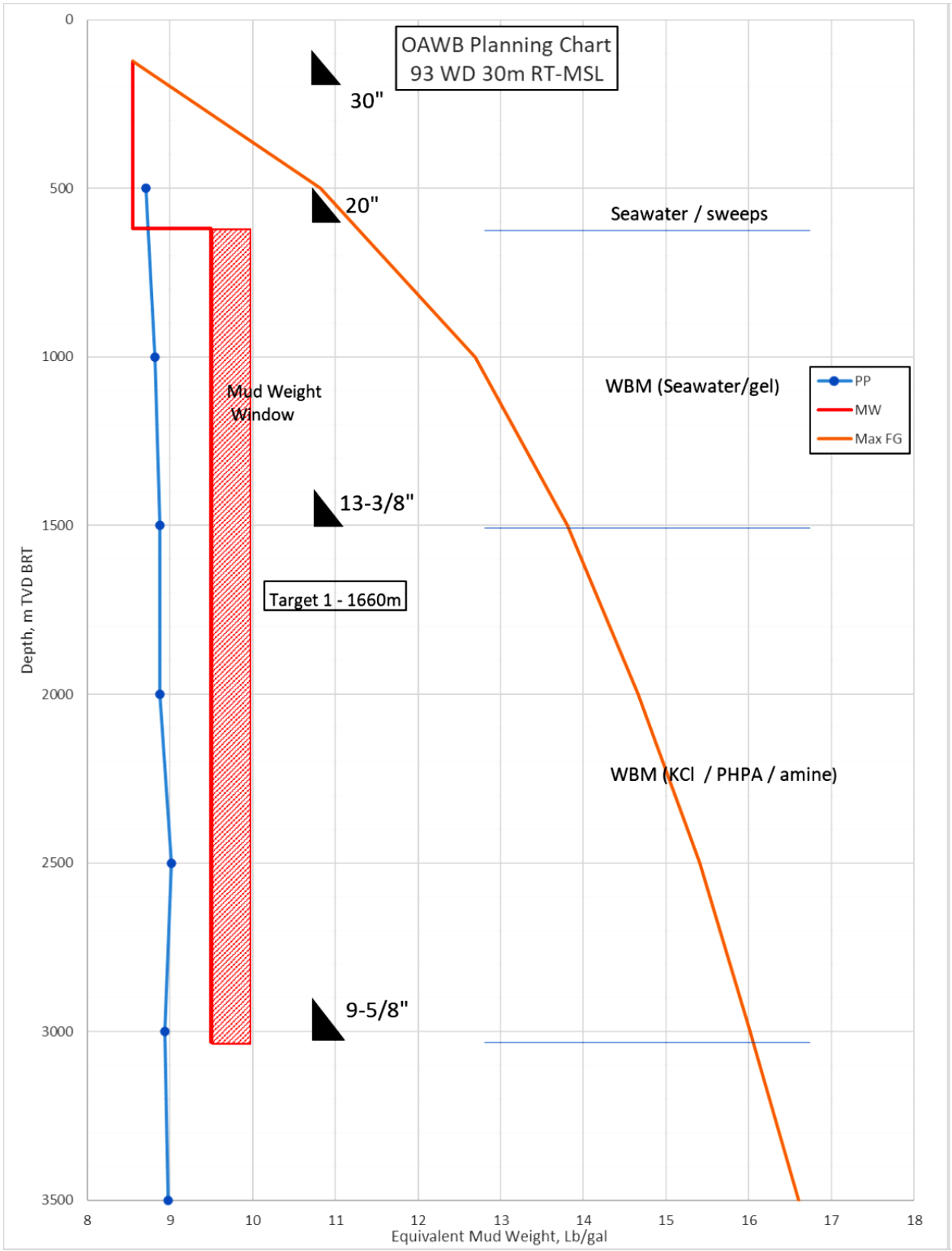
This section includes the information required by the bidders to understand the well conditions, reservoir fluid parameters and Testing / Stimulation philosophy in the upcoming wells in the Andaman offshore fields. The BIDDER should design and bid for equipment, Fluid and services keeping in mind the below conditions.

2.1Well Data, Fluid and Reservoir Characteristics:

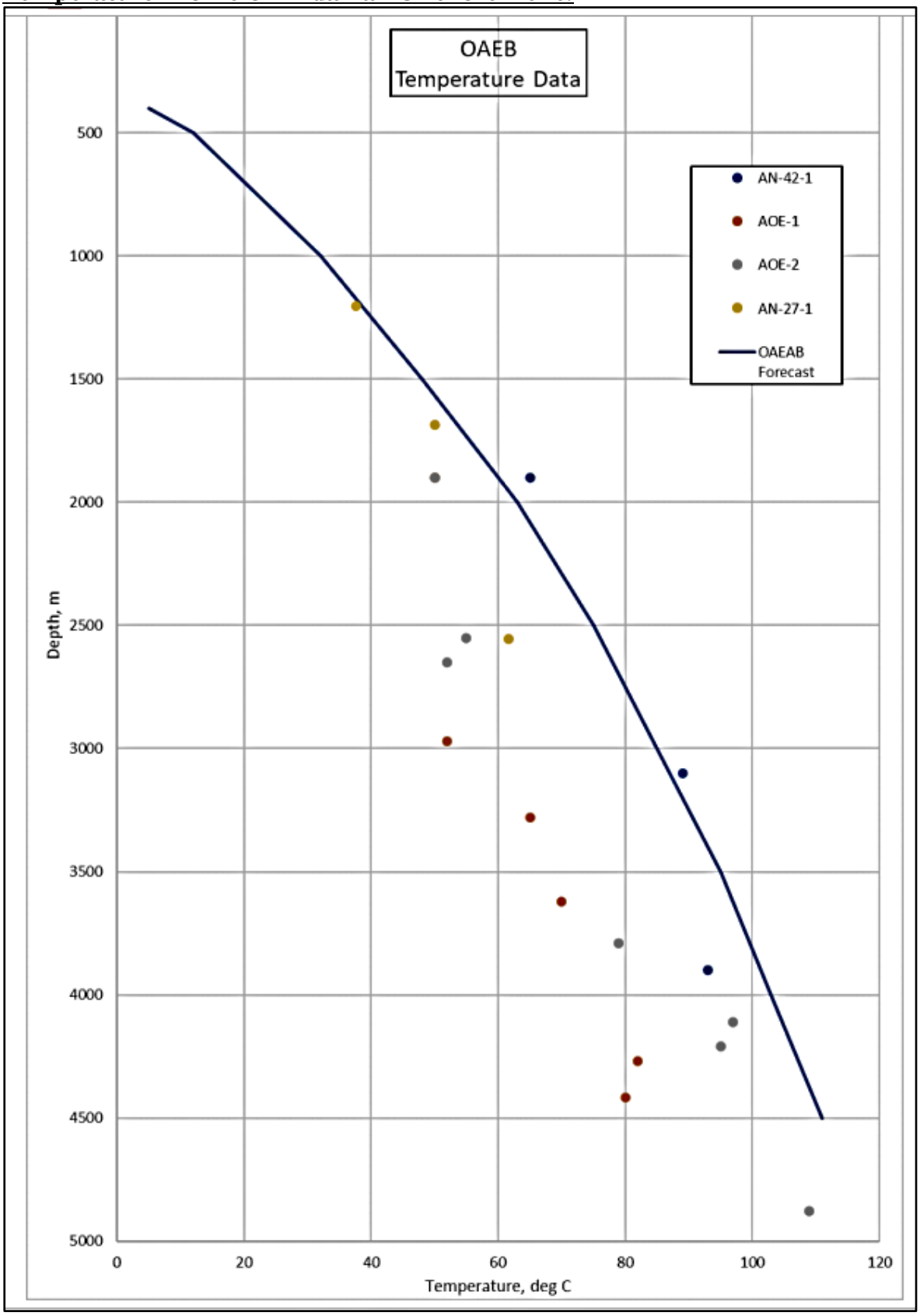
<u>Pore Pressure Profiles for Andaman Offshore wells:</u>




OAEB Planning Chart
370m WD 30m RT-MSL
Seawater / sweeps
20" 900m
WBM (Seawater/PHB)
Mud Weight Window
13.3/8" 1200m
Target 1 - 1305m
PP
Max FG
MW
Target 2 - 1966m
Mud Weight Window
WBM (KCl / PHPA / amine)
9.5/8" 3000m
WBM (KCl / PHPA / amine)
Depth, m TVD BRT
Equivalent Mud Weight, lb/gal
0
500
1000
1500
2000
2500
3000
3500
4000
4500
8
9
10
11
12
13
14
15
16
17
18


OAWB Planning Chart
93 WD 30m RT-MSL
30"
20"
13-3/8"
9-5/8"
Seawater / sweeps
WBM (Seawater/gel)
WBM (KCl / PHPA / amine)
Mud Weight Window
Target 1 - 1660m
PP
MW
Max FG
Depth, m TVD BRT
Equivalent Mud Weight, Lb/gal
0
500
1000
1500
2000
2500
3000
3500
8
9
10
11
12
13
14
15
16
17
18

Temperature Profile of Andaman Offshore wells:



Maximum BHT recorded in well AOE-2 is 110°C at 2991.1m.

2.1.1 Well Conditions and Fluid parameters: Exploratory Wells

2.1.2 Estimated pumping parameters:

2.1.3 Well Fluid:

It is planned to use drill water or sea water or 10.6 to 11.6 ppg of $CaCl_2$ / K_2SO_4 brine solution as well fluid during Stimulation Operation. Bidder's proposed treating fluid with additives must be compatible with the well fluid.

2.2 Typical Well Construction

The well will be prepared for the intended stimulation job with 10K psi rated retrievable packer, DST/Tubing string, Sub-sea Test Tree and Surface flow-head.

2.2.1 String for execution of acid treatment/ frac job: Existing DST string comprising of the following shall be used for acid / fracturing operation.

(i) Existing 4 ½", PH 6, 17 ppf tubings (used),3 ½", PH6, 12.95 ppf tubings (used) and 10 K differential pressure Retrievable Packer that are available through OIL's Bundled service provider will be used. In such cases, there shall not be any damage to these tubings as result of acid / fracturing job.

(ii) Any other tools / crossovers required for successful execution of the job shall be in bidder's scope.

2.3 Treating Fluid Qualification Criteria:

HCl along with Acetic acid as the Basic formulation and Mud Acid as backup are envisaged for Acid Treatment / Fracturing as below:

1. For frac treatment: HCL with Acetic Acid
2. Mud acid (9 % HCL with 0.5 % HF) – if required
3. Post flush (5 to 6% of mild acid)

The above acid formulation shall also include Solvents viz., EGMBE or any another suitable solvent along with essential additives such as clay stabilizers and surfactants, corrosion inhibitors (CI), iron-chelating agents etc.

The above acid formulation is tentative only. The exact acid formulation suitable for object target sands shall be as per bidder's design and compatible for downhole completions, mineralogy etc. Bidder should have the laboratory facility at base to confirm the acid formulation. Bidders to provide suitable arrangements for OIL authorized personnel to witness the laboratory experiments for characterization of the treating fluid.

2.4 Scope of work for Modular Acid treating / Frac / Stimulation Package

2.4.1 Well treatment design required for acid treatment /frac and any other requirement for execution.

2.4.2 Supply of equipment/ material/ services for acid treating / fracturing jobs in wells of Andaman Offshore block, India. Contractor will mobilize personnel aboard the Rig for well preparation, acid treating / fracturing execution and

Post stimulation activation jobs. Evaluation of stimulation job and reporting will be done based on results.

2.4.3 The brief on completion data of the wells are as mentioned above. Any other information on the subject which is required by contractor/ bidder for job design may be provided by OIL, if available. In case non-availability of any specific data, the same may be assumed to the extent of a realistic value for acid/frac job design.

2.5 Step-1: Planning for pre-fracturing well preparation

2.5.1 Collection of all relevant data (to be provided by OIL in electronic format and/or hard copy as appropriate and full access will be provided to the successful bidder/ Contractor) including but not limited to completion, logs, core sample, etc., its analysis, application of software for interpretation (like well logs) and analysis of data, as per availability.

2.5.2 Study / review of reservoir / field behavior from the point of the proposed Acid fracturing job design.

2.5.3 Evaluation / study of available Logs and interpretation, SPF, Perforated zones, natural fractures, perforation strategies, present well completion, prospective zones per well, cement plugs, temporary abandonment details etc. for executing the acid treating / fracturing successfully.

2.5.4 The contractor has to deploy his resources of G&G along with the domain specialists for this part of the activities with the active association and involvement of OIL personnel as an integral part of the project of acid treating / fracturing jobs in the wells.

2.5.5 Any intellectual property related issues on this area must be clearly stated to avoid any controversy during the project. Contractor to provide copy of document which has been accepted and signed by client for such issues.

2.5.6 The program for preparing the objects for acid treating / fracturing will be suggested by the contractor and the same to be discussed with OIL. Any specific requirement for perforation / re-perforation / additional perforation, stimulation jobs like acid, etc., if required, to be mentioned in the proposed plan. The final plans to be mutually agreed and signed by both OIL and the contractor.

2.5.7 The well for stimulating is drilled and cased by OIL. Acid-fracturing will be done mostly using 10K psi rated flow-head, and 3-1/2" and or 4-1/2" tubing string, 10K psi rated test packer (retrievable) which are under the scope of supply of OIL.

2.5.8 Optimum acid treatment /fracture design will constitute a significant part of this scope covering pre & post stimulation requirements.

2.6 Step-2: Design of optimal acid treatment /fracture.

2.6.1 The fluid designs should be made with the consideration to minimize the fracture height growth and extend the fracture length as required for maximizing the fracture effectiveness.

2.6.2 Appropriate volume & composition of acid to minimize potential damage while creating effective reservoir connectivity.

2.6.3 Preparation and review of the acid/fracture stimulation program for each treatment.

2.7 Step-3: Resources planning and mobilization.

2.7.1 Contractor to provide fit for purpose rig based Stimulation equipment package for acid treatment / fracturing job along with Equipment, tools, materials, etc. on the Rig. The operating personnel necessary to perform the operations will be mobilized with these equipment.

2.7.2 The responsibility for the mobilization of resources of the Contractor will lie with the Contractor.

2.7.3 The information and planning in this regard will be reviewed with OIL for execution as per plan.

2.7.4 Supervise site preparation, pre-operation checking of their equipment planned to be used by the contractor.

2.7.5 All fracturing / storage tanks will be on board the Rig. Arrangements to be available for their proper cleaning. Raw operational water for the job will be provided by OIL. Timely advance intimation of requirement to be given for same by the contractor.

2.7.6 Laying of lines, Coflex hoses and connecting from contractor equipment spread to well, will be done by the contractor with their manpower.

2.7.7 Normally, handling equipment and logistic support like crane, supply boat etc. required at offshore for the job will be arranged by OIL. The limiting capacity of the Rig Crane will be 50 Tons at 40 ft distance.

2.7.8 OIL will arrange boarding and lodging arrangements on the offshore rig location or on the vessel (To meet allowable POB) for contractor personnel. To and fro transportation of contractor's personnel / equipment to the rig location will be done by OIL. Only in special circumstances supply boat / chopper etc. be provided by OIL for urgent supplies pertaining to modular 10 k psi rating stimulation equipment package.

2.7.9 Contractors will arrange at its own cost for the followings but not limited to

- Handling equipment and logistic support for Coflex hose(s) loading onto the Rig.

- Hose support/hanger, if required, and associated equipment (e.g. I-beams, ISO locks and sockets etc.) for installation on the Rig.

- Contractor will also provide loading analysis, during pumping and idle condition to confirm the suitability of hose support /hanger.

- for any services and equipment required for any modification/welding required on the rig.

- Gas free certificate from statutory authority required if any for any welding on the rig.

- fit for purpose services required for NDT testing & Pressure Testing, if any.

- clamps and fastening equipment required for laying and securing pumping line.

- fit for purpose convertor for getting PDHG gauge data into Stimulation Data Acquisition system.

2.8 Step-4: Acid treatment / Fracture job execution and Supervision

The contractor has to perform acid treatment/fracturing operation as per design approved by OIL (Step-2) and to achieve this:

2.8.1 Perform acid treatment /fracture as per design requirements and safety procedures.

2.8.2 Ensure optimal pumping for acid treatment /fracture and that the design criteria are met.

2.8.3 Provide on-site document on critical parameters (rates, pressures, additives injection), submit field execution report upon job completion.

2.8.4 Provide quality control for all technical data, chemicals, etc. to ensure optimal acid treatment /fracture and design criteria, rig up and supervise, pre-operation checking of equipment.

2.8.5 Supervise implementation of pumping schedule that includes appropriate diagnostic stages (multiple ISIP's, step down rate test, pump-in/ shut-in, pump-in/ flow-back, etc.).

2.8.6 Share with OIL the interpretation based on the planned treatment design.

2.9 Step-5: Post Treatment activities

The contractor has to

2.9.1 Analyze post acid treatment /fracture data.

2.9.2 Design, execute and monitor post job activities like CTU cleaning e.g. cleaning of debris from Well bore by circulating suitable fluid with High Pressure pumping unit thro' Coil tubing, milling of cement plugs using CT, clearing of isolation sand plugs, flow back monitoring, post job nitrogen activation if required etc. till conclusion of well testing in consultation with OIL as against the already provided plan. Services for Nitrogen Pumping System shall be provided at Rig by OIL.

2.9.3 Provide a comprehensive report of all related treatment data and acid treatment /fracture operations within 3 days from the completion of Operations incase the job is in next higher up zone and within 5 days incase next job is in another well.

2.9.4 Review the acid treatment/fracture operations and post treatment analysis and to present the results of the acid/fracture treatment to OIL at Kakinada.

2.10 Material, Supplies, Services to be furnished by Contractor.

2.10.1 Acid/Fracturing Chemicals, additives etc. (to be consumed in the well during the Job).

Following are the generic list of the chemicals required for the Acid /stimulation / fracturing jobs. Contractor is required to mobilize the required chemicals based on the temperature range of the well at site for the fracturing job. However, bidder can add any other chemicals if the same is necessary for successful operation of fracturing the wells.

Sl. No	Material
1	Surfactant
2	Well Bore Cleaning agent
3	Hydrochloric Acid
4	High temperature Acid Corrosion Inhibitor for acid job
5	Iron Control Agent
6	Mutual Solvent
7	Scale Inhibitor
8	H2S Scavenger
9	Acetic Acid
10	Soda Ash
11	Hydrofluoric Acid
12	Any other chemicals required for successful operation

2.10.2 The contractor should provide a complete list of chemicals required for offshore Wells i.e., for temperature up to 300°F, which, in the opinion of the contractor, may be required for efficient work/service. They should also provide a realistic list of quantity of material requirement for 3 zones in each of the 2 wells plus optional 1 well considering about 400 bbls of fracturing fluid as basis for each object in a well. Payment will be made according to the actual consumption of acids and chemicals as per Price Schedule; consumption will imply the quantity of fluids pumped into the well. If two zones are fractured / treated together, then it shall be treated as one job.

2.10.3 Contractor to take adequate care for Chemical / Acid storage and handling, that there is no ingress of foreign particles. It is Contractor's responsibility to make proper arrangement for safe storage of chemicals / acids on board the offshore location for acid / fracturing jobs.

2.10.4 Any other down hole equipment, tools, consumables and services etc., not mentioned above but required for successful post treatment activation/cleanout job is also in the scope of bidder.

Attachment-II

BROAD SPECIFICATIONS OF MODULAR STIMULATION PACKAGE AND CTU - FPU EQUIPMENT AND SERVICES

A. ACID TREATMENT/ FRACTRING SPREAD LIST FOR STIMULATION

The Modular stimulation package (Acid / Fracturing) need to have the following broad specifications but not limited to:

1. High Pressure Pumping System:

a) Minimum required quantity of High pressure intermittent service pumps rated at minimum 10000 psi working pressure capable of delivering at least 4000 HHP (total) and capable of pumping sea water/drill water and acid slurry at a minimum total rate up to 25 bpm. To accommodate the equipment on the limited space of Rig. Proper fluid ends rated to minimum 10000 psi capable of pumping at the desired rate up to 25 bpm.

b) In addition to the above, One High pressure intermittent service pump capable of all types of stimulation chemicals, acid slurries, Diesel, Water etc. The pump should be rated at 10000 psi (Minimum) cold working pressure. The pumps should be complete with suitable fluid ends for pumping stimulation fluids / cleanout fluids at low rates / during CTU jobs (@ 0.4-2 bpm) etc.

c) The pumping infrastructure should be complete in all respects in regard to 1502 – 2" OD (1.8" ID) & 1502 – 3" OD (2.75" ID)/ 4" OD (all pressure rated) treating lines suitably arranged with adequate length in manifolds compatible for offshore operations. Sufficient length & quantity of piping package with necessary crossovers shall be made available by the bidder.

d) Set of separate High pressure 10 K Treating Iron on board for operations including acid / fracturing / CTU cleanout / activation respectively.

e) Remotely operated and equipped with emergency kill system.

f) Equipped with adjustable pressure limiting system.

g) Fitted with spark arrestor.

h) Marine / Air coolers

i) Spare fluid ends should be available for interchangeability as & when required as per operational requirement of hydraulic fracturing.

j) All iron to be rated to minimum 10000 psi working pressure and manufactured to NSI/ASME A333 GD6/B31.3

2. Acid System

- Will consist certified marine portable tanks for Acid storage & treatment.
- Shall have Capacity to handle about 400 bbl of acid slurry during a single job.
- Capable of storing and transporting acid required for stimulation jobs.

- Appropriate system to neutralize the flowback fluids post acid treatment.
- Any other equipment / system required for successful job completion.

3. Diesel Tanks

- Capacity: As per requirement

4. Sea Water System

- Centrifugal Pump 50 bpm X 1 Nos

5. Stimulation Control System

Stimulation Control Panel for remote operation of all the mixing, dozing, pumping and display monitoring system with auto mixing, pumping and dosing facilities. Chart Recorder or Suitable system for recording pressure, rate and density during the treatments to be available.

Integration of following stimulation operational parameters with online monitoring and recording will be made available:

(i) Data acquisition (Pressures-Tubing & Annulus) from the Rig should be integrated into stimulation data acquisition software. Sufficient length and properly insulated cables to be provided for Rig to monitor such data.

(ii) Data acquisition and recording will have the capability to integrate PDHG data with onboard data acquisition system.

Electronic Data Acquisition System will be:

- PC based.
- Capable of relaying real time data via Company communications network.
- With the capability to send ASCII treatment data to external computer.
- Monitor (ability to record pump injection rates and pressure at 1 second sampling), control the fracture operation.
- Flow meter (independent of blending equipment). Each Flow meters installed in the pumping system must have back-up.
- Capable of integrating PDHG data.

6. Laboratory and Tool container

- Stimulation Lab for QA/QC of all the various stimulation chemical / Acid. Stimulation Lab should be equipped with, weighing balance (offshore), Fume hood, Water Bath (Min. 5 Litres), water analysis kit which includes Total hardness, chloride, alkalinity, Iron and

Sulphates, Hydrometers (0.8-1.2 SG), pH Meters, pH strips, Syringes, Surgical gloves, Weigh boats, , Measuring cylinders, beakers, Thermometers 100°F – 300 °F etc.

- Lab ware should be in both glass and plastic for arrange of volumes, funnels, Spatulas, Sample holder box welded to place, furnishing for offshore, sample bottles, Lab PPE, sand sieve, pH calibration kit.

7. Wellhead tools:

I. Tools compatible to existing Flow head with following specs:

- Handling sub top - 6-1/2 " 4 -ACME OTIS
  or
- Compatible crossover 6-1/2" -4 ACME OTIS pin to 6-1/8" - 4 Acme Elmar box

II. Any other Wellhead adapter/flanges, as per bidder's design if required.

III. Coflex Hoses

- 2 each 4" or 3" 1502 Weco connection or size appropriate for pumping rate up to **25 bpm**.
- Minimum 10000 psi working pressure
- Capable of handling upto 25 bpm
- Minimum 45 ft long, should be of single length suitable for connecting flow head with standpipe
- All coflex hoses should be fitted with Fixer/Hook for holding & lifting by cranes for rig up & rig down
- Coflexip hanger (2 each) and associated beams for installing on Rig platform, if required
- 2 no. of Hydraulic disconnect.
- Have compatible valve on the reeler to connect pumping equipment, as required.

However, with known well fluid parameters (H2S, CO2), OIL, at its option may utilize either / both the 4" ID or 3" ID coflexip hoses & attached treating lines/ manifolds as pumping lines.

The location for the hose hanger will be on the Rig deck. 10 K hard-line should be installed from Hose-Hanger point to the rig-floor and same needs to be fastened by multiple Clamps. Fastening of clamp for hard line will be Bidder's responsibility.

The upstream lines connecting the flow head to pumping infrastructure should be in sufficient length to facilitate the string to be picked up by about 40' for stabbing out of the packer, without disconnecting the flowline. Also,

the downstream lines should be in sufficient quantity for completing the surface hook-up from pumping manifold to the pumps & tanks.

IV. Miscellaneous

- Annulus and tubing /casing pressures gauges complete with back up transducers.
- High pressure wellhead memory gauges with minimum 1 psi resolution and 1-2 sec sampling for a duration of 48 hrs.
- Portable radios for two way communications, as required.
- Complete set of hoses as required by the specified equipment.
- Inline pH meter.
- Equipment required for carrying out restricted flow at Max envisaged pumping rate for planned operation time.
- Any and all other equipment required to complete the scope of work described.

Note:

a. Transfer system from HSD tank to stimulation system (HP pumps) to be made available.

b. Proper safety tie-up system will be available for all treating lines rigged up during high pressure operations.

c. All the feed pumps, recirculation pumps and sea water pumps will be dedicated for the intended purpose and will not be used to handle any other fluid pumping system.

d. All the Radiators and heat generating sources will be installed away from the accommodation area.

e. All the pathways, escape routes, chemicals, tanks, pumps and other equipment will be clearly marked and displayed.

f. Broad stimulation systems should be capable of independent operations.

g. Instrument air can be made available from Rig. Diesel powered air compressors of suitable capacity with backup are to be arranged by contractor for the pneumatic applications if required. All the accessories like hoses etc. are to be arranged by contractor.

h. Filtration units of suitable capacity are to be arranged by contractor for filtering the water going to be used for preparation of fracturing fluid.

B. COIL TUBING EQUIPMENT SERVICES

1. General

Provision for onshore testing will be available at the Shore Base and the Offshore Drilling unit to conduct complete pre-start check before lowering the coil tubing down hole. Quality packaging of tools should be according to relevant standards and specifications. The Bidder should provide a list of service and test requirements on their tools and complying standards.

Tools/ equipment deployed will be of the latest version/ technology, so that, the project can be completed in the shortest possible time and execution of the job will be of state of art technology.

The bidder will submit the Safety Manual and Operating Procedure Manual, well in advance to OIL for approval. The Bidder will also submit an equipment / tool preventive maintenance system to exhibit a pro-active/ predictive system to avoid unforeseen down time. The Bidder will provide detailed catalogue, description, operational instruction and clarifications with sketch of each equipment / tool to enable proper utilization.

Bidder have to ensure that adequate quantity of equipment and tools (Means Primary and back up are available for the duration of the project and to take care of any contingency besides service turn-around time on the tools.

- In case of equipment failure, the Bidder should ensure immediate repair/replacement upon notification by Company.

- In case of tool loss or damage, the Bidder should arrange for its immediate replacement so that operations are not delayed / affected.

The Bidder must provide detailed specification of equipment/sensors along with the catalogue and also all the features available in their tools. The Bidder will indicate limitations of their tools/sensors such as temperature, pressure and discharge limitations.

Bidder will submit a detailed mobilization schedule within 7 days of issuance of mobilization notice against the services under awarded contract.

1.1 Well Data, Fluid and Reservoir and Rig Information

The main reservoir fluid of Andaman Offshore Block is Gas and the Maximum Depth of the wells can be around 4500m. The wells can be Vertical, Deviated or Horizontal depending on the well objectives.

1.1.1 String

The planned string is summarized below

DST / Completion String:	4 ½”, 17 PPF, Gr. T95, LT 6 & 3 ½”, 12.95 PPF, Gr. L80, LT6

1.1.2 Crane Lifting capacities

The limiting capacity of the Rig Crane will be **50 Tons**. The limiting capacity of the Crane at jetty will be **30 Tons with 29 m radius**. Bidder will verify that

equipment in functional specification do not exceed the lift capacity and have sufficient protection to avoid damage during lifting, transport, mobilization and demobilization operations.

If, CT Reel with CT Pipe exceeds the lifting capacity of crane, bidder should provide alternate arrangement for CT Reel lifting at no extra cost to company.

1.2 Coil Tubing Operating Scenarios

Following are the scenarios, but limited to, where Coil Tubing may be used:

a. Nitrogen lifting of wells during testing or cleanout
b. Acidization & Acid spotting
c. Fishing
d. Milling/ Drilling Bridge Plug & Cement
e. Scale/ Wax/ Hydrate removal
f. Cutting tubular or cut to release packers
g. Well Killing
h. Change over the fluid
i. Cementing

OIL reserves the right to change the Well Plan / Well design and the selected Contractor will ensure that they are fully equipped to meet the operational requirements in consultation with OIL. No separate payment consideration will be made for operations due to the above change other than as in price schedule.

Bidder is requested to provide BHA tools list and price of tools for each scenario **if not mentioned in the price schedule.**

1.3 CODES AND STANDARDS

The following specifications will apply to Bidders equipment and maintenance practices where applicable. Bidders will comply with these standards, latest edition.

- API RP 16ST Coiled Tubing Well Control Equipment Systems
- API RP 5C7 Recommended Practice for Coiled Tubing Operations in Oil and Gas Well Services
- NACE MR-0175 Sulphide Stress Cracking Resistant Materials for Oilfield Equipment
- API Spec 6A Specifications for Valves and Wellhead Equipment
- API Spec 6H Specifications for End Closures, Connectors and Swivels
- API Spec 16C Specifications for Choke and Kill Systems
- ASME Boiler and Pressure Vessel Code

In addition to the above, Bidder will comply with all applicable ASTM codes for materials supplied for the duration of the contract.

2. EQUIPMENT

2.1Minimum Requirements

Bidder will provide all equipment necessary to carry out the jobs specified in the Scope of Work above and described elsewhere herein. The company has

suggested an indicative equipment list in the Scope of Work. The company may decide to use a part of the equipment as dedicated package. In case of high mobilization time for Call out packages, such offers are likely to be rejected.

2.2Additional Equipment

The entire Bidder's proposed additional equipment and tools may be included as Attachment.

2.3Maintenance

Bidder will perform all the maintenance operations immediately after the equipment and tools are de- mobbed and keep them in fit for purpose for subsequent mobilization. It will be the responsibility of the bidder to have sufficient no. of crew/personnel at their base/ yard/ware house for the said maintenance job. All costs pertaining to such maintenance will be borne by the bidder and will not be invoiced to the company.

Upon request by Company, Bidder will provide proof of maintenance and service history of all item and equipment supplied. All tools and equipment lowered down hole should be properly tested and should be capable of running down hole for its full duration. Bidder will submit spares list which is going to be brought for the OIL job in advance.

2.4Equipment to be operational

Bidder will maintain all equipment and tools in operating condition as per Global Standards or Regional Standards, whichever is greater and will supply all relevant QA/QC third party certification requested by Company. Any premature tripping to change faulty parts will be viewed seriously. Repeated failures and if the incident/ accident reporting system do not substantiate it, then the Company reserves the right to deduct such incidental spread cost from the invoice of the Bidder.

2.5Adequate stock – Equipment/consumables

The Bidder will maintain adequate stock of spares to actively operate the equipment through the committed work program. Bidder should provide information of spares and critical parts (standby) to the Company representative from time to time. Bidder will indicate the turnaround time to nearest service center and offer complimentary back up if such a time is too long. For O rings at least 8 to 10 times back up should be available with Bidder.

Bidder will maintain adequate stock of tools, spares and accessories to manage the operation of the Work in a remote location. The Bidder should have covered storage space for its tools and equipment in the vicinity of the OIL shore base at Kakinada. The number of tools will be based on the turnaround time between the rig and the shore based service center and back to the rig.

2.6Fuel for Equipment

For the offshore operations the diesel/fuel will be provided by OIL. However, any other lubricant, hydraulic oils, grease, etc., if any, is required for its usage is responsibility of the contractor.

Also if any fuel, oil, petrol, lubricants, if required for maintenance or any tests at contractors shore base is responsibility of contractor.

2.7 Equipment Delivery

All the items of the Coil Tubing services need to be delivered will be inspected and certified by TPI at bidder's cost. It would be bidder's responsibility to inform OIL as soon as the equipment / tools are received at their Kakinada yard / Base for inspection.

2.8 General Equipment Requirements

The general Coiled Tubing (CT) equipment are outlined in this section, specific functional specification are located in the Scope of Work of this document. The Bidder should follow API 5C7 and API RP 16ST, DNV Offshore Standard OS-E101 for all equipment supplied.

2.8.1 Well Control Equipment

All CT well control equipment should be manufactured in accordance with API 16A, API 16C, and API 6A, wherever it is applicable. The selection of well control equipment for a given application should be conformed to the manufacturers' recommendations. All well control equipment, inclusive of surface piping, manifolds, valves, and fittings exposed to hydrogen sulfide will be in accordance with NACE MR 0175 / ISO 15156.

Well control hoses and connections from BOP to safe area for secondary and tertiary well control purpose will be fire resistant, capable of withstanding 1100 deg C for minimum 3 minutes. Fire testing will be in accordance with API 6D.

2.8.2 Coiled Tubing Injector

The coiled tubing injector will be capable of generating sufficient force to pull (tension) and thrust (compression) force for the operations intended. CT Injector should have pull capacity of 80,000 lbs, Snubbing capacity of 40,000 lbs. All chains, sprockets and other moving parts will have safeguards to prevent injuries and accidents.

The injector support will be adequate to prevent bending that could cause potential damage to the wellhead, tree or well control equipment.

2.8.3 Tubing Guide Arch (Gooseneck)

The tubing guide arch will have the recommended radius for well intervention work. The end of the tubing guide arch will be constructed to accommodate changing fleet angles and prevent damage to the coiled tubing.

2.8.4 Reel and Coiled Tubing

The reel weight with coiled tubing will have a minimum radius for 1.75" coiled tubing. The reel skid with accessory equipment will not exceed the crane lifting capacity as outlined in Crane load chart may be provided on request by bidder. No separate payment on fatigue of the reel or back up reel will be paid to the

Bidder. Bidder should be prepared to operate in the well environment given above irrespective of the brine used in the well and without any additional payment consideration for such operation except as stated in Price Schedule.

2.8.5 Power Supply

The power supply will be configured to provide all mechanical, hydraulic, pneumatic or electrical 'power to the coiled tubing equipment.

2.8.6 Monitoring Equipment

The control console will have gauges to monitor critical well control parameters on CT well including but not limited to pipe fatigue, pressure, fluid rate, depth, etc. In addition a Data Acquisition System (DAS) will be required to record critical operational and equipment parameters. Recorded electronic Job log will be provided by bidder after completion of each job. All the electronic monitoring devices will have back-up.

2.8.7 Elastomers

The planned services for well intervention may include hot live oil / gas wells. Bidder will ensure that the BOP elastomers and grippers (two required) will be suitable for 300 F and 10000 psi. Contractor should verify each component is compatible with any corrosive fluids that might be produced from the well or introduced as part of the CT operation. Contractor is not responsible for flow back operations. However, the return fluid (Corrosive Wellbore/ Well Fluids, gas), if any from the well may be flowed through CT & Tubing annuls (if required). Hence, every component of CT including CT pipe, Injector, etc. should be compatible to any corrosive fluids that might be produced from the well or introduced as part of the CT operation. Elastomers which will be used in down-hole equipment must have a capability to sustain to 300 deg F.

2.8.7.1 Elastomer Selection

Elastomer selection criteria will include the following performance parameters:

- Rapid gas decompression
- Chemical compatibility
- Temperature performance range
- Extrusion resistance
- Abrasion/erosion resistance and
- Pressure rating

Bidder should refer to API 6J for additional information on testing of oilfield elastomers.

2.8.7.2 Rapid Gas Decompression (RGD)

Ram seals are vulnerable to RGD in well interventions. The decompression rate below 1,000 psi is critical. The bleed down rate should follow manufacturer's recommendations to avoid RGD and resulting seal failure.

2.8.7.3 Temperature Performance Range

The elastomers must perform across the range of temperatures encountered during operations Bidder should be aware of critical operations where temperature range changes typically occur:

- Ambient temperature extremes before, during and after the operations
- Wellbore temperatures
- Bleed down operations causing cooling due to the Joule Thompson effect
- Heated treatment fluids
- Cryogenic fluids

2.8.7.4 Operational Procedures

Bidder should be aware of procedures to maintain temperatures within the OIL requirements. The following options should be considered where applicable and proposed to OIL during pre-job planning of well intervention activities:

- Continuous injection of cooling fluids (in hot environments) or heated fluids (in cold environments) across the well control stack rams and piping, and
- Controlling the external operating environment of the well control stack and piping.

2.8.7.5 Abrasion/Erosion Resistance

Bidder will provide recommendations to minimize the effects of abrasion and erosion of elastomers, Bidder will ensure the material selected for the well control stack and the stripper are appropriate for the operation, rams are retracted and out of the fluid flow path.

The strippers will be suitable for abrasion by pumped fluids, sand cleanouts and milling operations.

2.8.7.6 Pressure Rating

All elastomers will be suitable for the pressure rating of the equipment component in service.

3. EQUIPMENT SPECIFICATIONS

3.1 General

OIL's equipment requirements for Coiled Tubing Services will be suitable for safe and efficient operations. The following equipment specifications are designed to meet the planned mechanical and pumping applications anticipated mentioned in Scope of Work. Bidder will propose any equipment required and not specified in the tender, such proposed equipment will comply with applicable API/ISO standards. The surface and Down hole tools will be fit for purpose. Any omissions by OIL does not relieve the Bidder from following manufacturer's recommendations or/and sound industry practices. Any deviations from the equipment specifications or recommendations to improve efficiency and complies with OIL well control requirements, pressure requirements and material requirements should be submitted for OIL's consideration.

3.2 Coil tubing Units

3.2.1 High Pressure Nitrogen Unit (Will be made available through OIL's existing Well Testing Services)

3.2.2 High Pressure Coil Tubing Unit

I) Coil Tubing and Reel

a. The Coiled tubing Reel will have the following requirements

- 2" WECO 1502 Union connection.
- Reel swivel and stub shaft will be rated to 10,000 psi working pressure.
- Friction Wheel depth counter or encoder with mechanical backup
- Coiled tubing string and reel will be skid mounted with lift and crash frame to prevent damage during lifting, loading and unloading and transportation from shore base to offshore location and vice versa.
- The CT reel should be equipped with a hydraulic brake system and a mechanical backup system in the event of loss of hydraulic power.

b. Reel capacity will be sufficient height and width to accommodate 4500 meters of 1.750" coiled tubing and allow for two inches of freeboard.

c. Coil Tubing OD & length to be 1.75" x 4,500m.

d. Metallurgy of CT pipe should meet standards API 5 ST (5CT-5C7), NACE MR0175

e. Suitable for well condition stated before (Section: 1.1.1)

f. High pressure coiled tubing with grade 90,000 lbs yield strength (minimum). Wall thickness of coiled tubing must be computer simulated and selected to suit operational requirement.

g. Burst & Collapse should meet the API RP 5C7 standards and the Max anticipated wellbore condition calculated by CT vendor for well condition stated before (Section:1.1.1)

h. The method of welding the Coiled tubing will be bias welded. No butt weld is allowed.

i. The CT should be designed as per API 5C7 Standard.

j. Bidder need to provide the weight of the Reel with 4500m length of 1.75" Coil.

k. Bidder needs to maintain & provide Backup reel & CT String without any extra cost to the company so as to avoid interruption/delay in the Operations.

l. Bidder should have Yard Spooler, Capable of removable spools, ability to spool off working reel and swap to new spool to working reel.

II) Pressure Control Equipment

All of pressure control equipment must be connected by API flange rated to 10,000 psi. This also applies for tree adaptor flange and riser. BOPs, 10,000 psi WP (minimum), suitable for 300 F.

Coil Tubing BOP

a. The standard BOP configuration will be a quad described top to bottom, and their functions:
    i. Blind ram – seals the wellbore when the CT is out of the BOP
    ii. Shear ram – cuts the CT and seal the wellbore.
    iii. Slip ram – supports the weight of CT hanging below it
    iv. Pipe ram – seals around the hanging CT

   Combi BOP system will also be acceptable.

b. The design, maintenance and certification should be as per API RP 16ST. Bidder should refer to API 16ST Paragraph 4.2.6.6 for the well control stack configuration and acceptable barrier requirements. The seals of BOP and Stripper should be rated for 300 deg F.

c. Dual combi BOP will be installed first on DP/flow-head and frac tree.

d. Kill ports will be available in the stack.

e. Kill port, each kill port on quad or combi BOP to be equipped with double isolating gate/plug valves. Those valves are flange connected and remote control.

f. Flow cross to be installed between BOPs. Each side of flow cross must have 1 flanged remote-operate hydraulic & 1 manual flanged gate valves.

Stripper (Packer or Stuffing Box)

a. OIL requires two single strippers to be available for most planned operations. For high pressure operations and jobs where abrasive fluids are circulated to surface two single strippers or a dual stripper will be required with a radial secondary stripper, (Optional). The hydraulic stripper pressure will be maintained regardless of prime mover operation. A backup system incorporating a hand pump or air pump system will be used

b. The Stripper will have the following attributes:

- Suitable for 10,000 psi working pressure (static) when coiled tubing is stationary
- Stripper elements suitable for 300 deg F surface temperature
- Flanges connections in accordance with API 6A
- Side Door access for ease of changing out rubber seals
- Injection port to enable injection of inhibitors and / or lubricants

Injector Head and Control Cabin

a. The injector head should be for the 1.75” coil tubing.
b. Injector size should have ability to fit with the available Track Stack (Jacking frame). Bidder shall arrange compatible adapter for NOV supplied Track

Stack Jr (8x8) Tower Package, if required, with no extra cost to OIL. Bidder can get the details of jacking frame from OIL.

c. The injector head will have the following attributes:
   - Control Cabin Unit should be Zone-2 Compliance.
   - Injector Head unit should be Zone-1 Compliance.
   - Ability to apply sufficient dynamic axial force to the CT to control movement into or out of a well
   - Sufficient traction to avoid slipping on the CT
   - Sufficient static force to hold the CT when stopped
   - Depth Counter
   - Injector Head c/w swivel strut-support-gooseneck & support frame, complete with suitable anti-bulking guide.
   - Two independent depth measurement devices required

Coiled Tubing Power Pack

a. The power pack must be suitable to supply relatively high-volume, low-pressure hydraulic fluid to dynamic equipment (injector head and reel) and relatively low-volume, high- pressure hydraulic fluid to static devices (stripper and BOPs).
b. Power Pack should be Zone 2 Compliance.
c. All power packs must be equipped with accumulator with sufficient pre-charged pressure and hydraulic volume enough to activate a full close-open-close BOP's cycle. Bidder will supply a power pack with a diesel engine.

Coiled Tubing Lifting Frame (CTLF)

a. Should be modular design to meet required Tension capacity, structural integrity and heave compensation.
b. Should have specific connection points for attaching the coiled tubing injector head, top drive system, and other relevant equipment.
c. Should have the mechanisms for lifting and lowering the coiled tubing incorporated features like hydraulic cylinders, winches, or other lifting systems.
d. Designed and certified to meet industry standards and regulations, such as DNV 2.7-3 (for lifting), API 8C (PSL-1), and potentially ABS or DNV-GL certifications.

Other Requirements

a. Tubing Guide Arch (Gooseneck) will have the recommended radius for well intervention work with 1.75" CT. The end of the tubing guide arch will be constructed to accommodate changing fleet angles and prevent damage to the coiled tubing.

b. Bidder will provide Quick latch Connections to facilitate safe and efficient operations where possible. Bidder will provide technical information on any proposed connections recommended above the stripper, to makeup with wellhead or drill pipe or stabbing into the BOP stack.

c. Bidder Will provide Quick test sub, 2 nos. for easy connect and disconnect of stripper to BOP and will save time between the job by providing pressure integrity in CT stack by means of testing seal, with proper testing equipment only in instead of testing whole CT stack.

3.2.3 Crossovers

Bidder will deploy sufficient numbers of crossovers (minimum two) 3 ½", 12.95 PPF, Gr. L80, LT6 tubings and Well test Flow head to coil Tubing BOP API flange rated to 10,000 psi suitable for well condition mentioned in SOW. T connections of the flow head, Drill pipe 3 ½" and 4 ½" Tubing, Flow tree are as follows:

- 3½" Tubing: 12.95 ppf PH – 6 tubing.
- 4½" Tubing: 17 ppf PH-6
- Flow head top/handling sub top - 6-1/2" - 4 - ACME OTIS- Box, 10K
- Wing: 3" FIG 1502

Bidder will also provide following X-overs:

1. X-over from External Connector to TIW valve in case of CT Cutting
2. TIW to 1502 in case for Pumping Operation for CT Cutting
3. X/O: 3-1/16" x 4-1/16" Flange Connection 10 K API Flange- 3 nos.

a. Any other crossover that may require for successful execution of the intended operation.
b. The pressure rating of the crossover will be 10,000 psi
c. The temperature rating of the crossover will be 300 deg F for down hole usage & 250-F for surface usage
d. The crossover should be suitable for sour service and compliant with NACE MR 01 75
e. All applicable ASTM / API standards will have to be complied with.

3.2.4 Coil Tubing Down hole Tools

a) Down hole Tools compatible with 1.75" CT including but not limited to:

- High pressure CT connector.
- High pressure double check valve.
- Motor Head Assembly Knuckle joints
- Straight joint/ Sinker Bar
- Disconnect sub – shear & hydraulic release
- Jetting nozzle
- High pressure jetting service
- Rotating jet service

b) Coil Tubing Fishing Package

- Dual Acting Hydraulic Intensifier
- Dual Acting Hydraulic Jar (flow activated or reset by Pumping)
- 2.5" Hydraulic release JDC overshot for 1.375" external fish neck
- 2" Hydraulic release JDC overshot for 1.375" external fish neck
- 2.5" Hydraulic release GS pulling tool for 1.81 – 1.83" internal fish neck
- 2" Hydraulic release GS pulling tool for 1.38"-1.40" internal fish neck
- 1.5", 2.25", Hydraulic release JDC overshot for 1.375" external fish neck
- 1.5" Hydraulic release JDC overshot for 1.185" external fish neck
- Bowen Overshot

- Overshot Skirt/ Cut-lip housing
- CT to slick-line crossovers
- 2.5", 2.25", 2" Super Magnets
- 2.5", 2.25", 2" Pump Through Magnets

3.2.5 Coil Tubing Specialized

a) Down hole Tools

- CT Services for sand / debris / scale / organic deposit removal / Cleanout with suitable fluids and tools
- Abrasive jetting tools
- Bi-Directional Jar / Hammer

b) Coil Tubing Milling Package

- Suitable Milling Motor Package (300 Deg F and 10 K usable in OIL well condition & usable fluids (ZnBr2, CaBr2, CaCl2, KHCO3, Cs Formate, WARP)
- 2.5" Inserted Mill

Required Down hole tools should be rated to 300 Deg F, 10,000 psi Working Pressure, suitable for Sour Service.

c) CT Dart and Dart Catcher

- 1.75" Wiper darts – for cleaning the ID of the CT after pumping cement slurry
- Dart Catcher – to capture the dart at the end of the string
- Dart Launcher – to load the darts into the CT string
- Back Pressure Valve – allows the heavier cement slurry to be "laid" into the well instead of u- tubing.

Note: The equipment listed above is based on previous experiences and Company best understands of the requirements. However, the Bidder should highlight and propose any or all equipment which is missed out in the list above, but which would be required for the CT Jobs listed in 2.3. Each of above tool mentioned in each category will have one primary and one B/U tool with sufficient inventory of spare to cover tool failure or damage situation during the Operation.

3.2.6 Acid Pickling, Bull heading, Jetting and Spotting services

It is responsibility of the contractor to suggest for the acid recipes (including raw acid, corrosion inhibitor, iron control agent, universal solvent, scale inhibitor etc.) based on the field and well details for pickling and spotting operations. Contractor is required to include any addition chemicals required i.e. neutralizer for safe operations. MSDS for all the chemicals suggested must be submitted to OIL. The contractor should make sure that the crew is equipped with suitable PPE (Personal Protective Equipment) while handling acid.

The contractor should provide bull nose, pulsating, jetting tool and any other jetting tool capable of pumping acid through it.

The contractor should provide facility to transfer acid and other chemicals from the supply boat. Any additional iron/ hose/ x-overs/ transfer pump required for the transfer of the acid is contractor's responsibility.

3.2.7 Pumping Services Positive displacement pump

- Pumping capability: 0.7-3 BPM at 10,000 psi pumping pressure
- Minimum 500 HHP on callout basis.
- Capability to pump acid, scale inhibitors, brines, corrosive fluids and any other chemicals required for all the jobs mentioned in SOW.
- Pressure recording, Rate measurement option at the DAS panel with the capacity of chart recorder.
- In-line flow meter for fluid rate measurement downstream of pump

Attachment III

A. The Acid / Frac Stimulation Crew

1.1 Base Manager:

Category	Function	Experience
Base Manager	Complete Co-ordination & follow up of Offshore Stimulation & Marine Operations, maintenance of equipment, deployment of required crew, reporting & liaison with OIL and Lead Manager for operating the safety management system (SMS) as per ISM guidelines. Should be capable of analyzing the stimulation treatments carried out on daily basis and submit a report on weekly basis. Also, should suggest remedial measures for further improvement if any.	Engineering degree with 5 years of experience in management and co-ordination of stimulation /fracturing/Acidization operations under Offshore well along with documentary proof.

1.2The Acid / Frac Stimulation Crew Composition

In addition to Base Manager, the regular minimum crew composition of the stimulation personnel to be deployed on the Rig / Vessel (To meet allowable POB) shall include:

SN	Category of Personnel	Nos.
1	Stimulation Engineer	1
2	Stimulation Supervisor	1
3	Equipment Operator	2
4	Laboratory Technician	1
5	Mechanic Technician	1
6	Electronic Technician	1
7	Helpers	2
8	Data Acquisition Specialist	1
	TOTAL	10

Note:

The deployment of personnel for Stimulation operations with Rig shall be as per job

requirement, job location as decided by OIL.

Age of Stimulation Crew should not exceed 60 years during the contractual period.

1.3 The Crew Personnel – Functions & Experience

The stimulation personnel to be deployed by the Contractor under various categories, their broad functions & duties including minimum experience is indicated below against each of the categories. English being the official language of the Contract the personnel engaged should be able to communicate in English:

Category	Function	Experience
Stimulation Engineer	Complete Co-ordination & follow up of Offshore Stimulation & Marine Operations, maintenance of equipment, deployment of required crew, reporting & liaison with OIL and Lead Manager for operating the safety management system (SMS) as per ISM guidelines.	Engineering degree with minimum 5 years of experience in stimulation / fracturing / Acidization operations under Offshore well conditions along with documentary proof.
Stimulation Supervisor	Overall control & responsibility of operations & maintenance, inventory management, Safety officer for SMS	3 years of experience as Stimulation Supervisor under Offshore well conditions along with documentary proof.
Equipment Operator	Overall control & responsibility of operation of Acid treatment / fracturing equipment on the rig. And, Rig up and Rig down of line connections loading and mixing of chemicals, Assistance in repairs and maintenance of equipment.	3 years of experience as stimulation operator under Offshore well conditions along with documentary proof.
Data Acquisition Specialist	Operation and maintenance of the electronic data acquisition systems.	2 years of experience as Data Acquisition Specialist under Offshore well conditions along with documentary proof.
Laboratory Technician	Operation and maintenance of stimulation lab equipment	2 years of experience as Laboratory Technician under Offshore well conditions along with documentary proof
Stimulation Mechanic	Maintenance of stimulation / marine equipment, forecasting requirement of spares	2 years of experience as Mechanic cum stimulation operator under Offshore well conditions along with documentary proof.
Electronic Technician	Responsible for maintenance of electrical & electronic instruments	2 years of experience as Electronic cum stimulation

Category	Function	Experience
		operator under Offshore well conditions along with documentary proof.
Helper	General Assistance	01year experience as helper in offshore with documentary proof

B. The CTU Crew

1.1 The Crew Composition

The regular crew composition of the CTU personnel to be deployed on the Rig shall typically include:

SN	Category of Personnel	Nos.
1.	Coil Tubing Engineer	1
2.	Coil Tubing Services Supervisor	1
3.	Coil Tubing Operator	1
4.	Coil Tubing Operator Assistant	2
	TOTAL	5

Note:

The deployment of personnel for CTU shall be as per job requirement, job location & priority of jobs to be decided by OIL.

Age of CTU Crew should not exceed 60 years during the contractual period.

1.2 The Crew Personnel – Functions & Experience

The CTU personnel to be deployed by the Contractor under various categories, their broad functions & duties including minimum experience is indicated below against each of the categories. English being the official language of the Contract the personnel engaged should be able to communicate in English:

Category	Function	Experience
Coil Tubing Services Supervisor	Overall responsibility of CTU operation, maintenance & inventory management.	2 years of experience as Coiled Tubing Supervisor under Offshore well conditions along with documentary proof.
Coiled Tubing Engineer	Engineering Support during Operation from base office.	2 years of experience as Coiled Tubing Engineer under Offshore well conditions along with documentary proof.
Coil Tubing Operator	Operation & maintenance of CTU unit and job execution.	Experience (min 3 years) in operation of CTU for Offshore wells along with documentary proof
Coil Tubing Operator Assistant	Rig up/ rig down, general assistance in maintenance etc.	Experience (min 2 years) in operation of CTU for Offshore wells along with documentary proof

a) Personnel will be on a callout basis. Personnel should meet the global standard for each title. Personnel deputed on rig should have capability for maintenance of all CT equipment available on Rig The crew shall be responsible for the

following:

- Perform all pre-job checks on the equipment at the base.
- Prepare load out lists to include all parts, tools and spares of the equipment.
- Ensure the equipment is safely packaged.
- Ensure equipment is safely kept in Bidder's base in proper and orderly manner with proper tagging.
- Maintain adequate stock and inventory of tools and spares at the Shore Base to perform uninterrupted work program.

b) Conceptualize needs of Company's Testing and Completion program and pro-actively suggest alternative means to achieve the objective.

c) Personnel should have capability to operate Jack up/ Track Stack frame

d) The crew supervisor should have experience of Coil Tubing Milling, Jetting, Fishing, Acid jobs, Frac Cleanout etc. Crew Supervisor should also have experience to run all tool provided by bidder.

e) The crew should have experience of rig up, performing the Coil Tubing, Nitrogen job and Acid on Floater Rigs as applicable.

f) The Bidder will be responsible for any MOHA or other clearance for sending the crew offshore.

g) The Crew should have an Electronic technician & Mechanical technician during CT Rig up to avoid major downtimes at no cost to company. Bidder to provide the CVs of each crew member proposed for the project and gets approved by the COMPANY before sending offshore.

APPENDIX – 1

The contractor's and OIL's responsibilities will be as per the Matrix of Responsibilities provided in the bid document / Contract at Appendix 2.

RESPONSIBILITY MATRIX

Responsibility Matrix –Acid Treatment / Fracturing of 02 Nos of Oil/Gas Wells			
NO	**DESCRIPTION**	**RESPONSIBILITY**	
		COMPANY	**CONTRACTOR**
1.00	**Project General**		
1.01	Mounting, Sea fastening, Dismantling of Acid treatment / fracturing equipment on Rig including obtaining clearances from Rig / Marine class certification agency / Warranty Surveyor		**X**
1.02	Rig-floor for placing Stimulation, CTU & FPU equipment	**X**	
1.03	Spotting, Mounting & Sea fastening of Stimulation & CTU – FPU equipment on Rig including obtaining clearances from Rig / Marine warranty / Rig class certification agency		**X**
1.04	Provision of Offshore Drilling rig services including drilling / Well Testing manpower	**X**	
1.05	Provision of Packer, Frac-string (Tubing/DST), Sub-sea BOP, Sub-sea Test Tree, Wellhead / Control Head and Surface Flow-head.	**X**	
1.06	Provision for Well Testing including manpower	**X**	
1.07	Provision of surface facilities for flow back	**X**	
1.08	Acid treating/Frac job Design & execution, Supervision and evaluation of Flow back program		**X**
1.09	Well Preparation/Completion Plan	**X**	**X**
1.1	Well Preparation & Completion	**X**	
1.11	Providing the Acid treating/Fracturing equipment consumables and services for Acid treating/Fracturing, neutralization, solvent treatment, scale removal jobs (as required).		**X**
1.12	Provision for Wire line Services for logging and Perforation.	**X**	
1.13	Provision of Drill / operational Water for fracturing.	**X**	
1.14	All stimulation equipment (Acid treating/ fracturing, FPU & CTU), execution and supervision of jobs including manpower		**X**
1.15	Flow back & unloading using CT, including well cleanout.		**X**
1.16	Provision of N2 with NPU services for flow-back operations.	**X**	
1.17	Flowback plan		**X**

Responsibility Matrix –Acid Treatment / Fracturing of 02 Nos of Oil/Gas Wells			
NO	**DESCRIPTION**	**RESPONSIBILITY**	
		COMPANY	**CONTRACTOR**
1.18	Provision for CTU & FPU equipment with all tools & accessories including operating manpower. (CTU & FPU will be placed at Rig floor).		**X**
1.19	Provision for down-hole equipment (if any), Fracturing Chemicals, Clean-up fluids related with fracturing and clean-up operation/activation		**X**
1.2	Provision of acid formulation along with acid pumper, neutralizer and tanks on the Rig		**X**
1.21	Preparation of Acid, Fracturing, clearing of sand plugs, and activation program		**X**
1.22	Approval of Acid program, Fracturing Program, Pre-Frac & Post-Frac Operations	**X**	
1.23	Well Control Liability	**X**	**X**
1.24	Clean Up Liability within the rig including safe disposal		**X**
2	**Preparation of Stimulation / Acid / Fracturing Program**		
2.1	**Review of Existing Data (as available)**		**X**
2.1.1	Providing the available Drilling/ Geological/ other Data	**X**	
2.1.2	Providing Existing Open Hole and Cased Hole Log Data	**X**	
2.1.3	Providing Core and fluid samples for lab test as per availability	**X**	
2.1.4	Well Test Data	**X**	
2.1.5	Interpretation of the data		**X**
2.1.6	Laboratory tests as required		**X**
3	**Operations**		
3.1	Medivac, if any, up to shore base	**X**	
3.2	Firefighting facilities	**X**	**X**
3.3	Disposal Equipment	**X**	**X**
3.4	Crane with manpower at Jetty	**X**	
3.5	Adequate Lighting for Operation	**X**	
3.6	Provision for Diesel Supply at the site (Rig) for frac jobs and contractor's equipment / units	**X**	
3.7	Provision for storage of chemicals in the Rig floor in rig i) Space for storage (sufficient for 2 jobs as per job requirements) Storage of chemicals at OIL provided Rig	**X**	**X**
	ii) Stacking and proper coverage of chemicals, hardware etc.	**X**	**X**
3.8	Accommodation and Catering for all Contractor personnel on Rig	**X**	
3.9	Transportation of the Contractor Personnel to the Offshore Rig from helibase	**X**	

Responsibility Matrix –Acid Treatment / Fracturing of 02 Nos of Oil/Gas Wells			
NO	**DESCRIPTION**	**RESPONSIBILITY**	
		COMPANY	**CONTRACTOR**
3.10	On land Boarding, Lodging, and Transportation of Contractor Personnel		**X**
3.11	On land Transportation – Contractor's equipment and material		**X**
3.12	Inter location Transportation of Vessel containing Contractor's Equipment and materials	**X**	

PART – III

SPECIAL CONDITIONS OF CONTRACT (SCC)

(REVISED – Version 1)

Following terms and expression shall have the meaning hereby assigned to them unless the context requires otherwise. The expressions not defined here shall have the meaning ascribed to them in Section-I: "General Conditions of Contract". Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

1.0 DEFINITIONS

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

i. "**Services**" means the associated services to be provided by the contractor for supporting and carrying out drilling operations, well testing and well abandonment in accordance with the "Scope of Work" mentioned at Section-II in this Contract but not limited to
   a) All equipment, consumables from Contractor required for OIL's operation and
   b) All equipment, spares required for servicing / maintenance of Contractor's Equipment, as stipulated in the "Scope of Work" at Section-II in this Contract.

ii. **"Drilling Unit"** means Anchor Moored Semi-Submersible Drilling Unit complete with pumps, power packs, drilling equipment and other accessories.

iii. **"Vessel"** means Offshore supporting vessel designed for logistical support of offshore oil and gas platforms with deck area for performing offshore operations like loading, transport, execution of intended services.

iv. Company means hereafter as "Oil India Limited".

v. "**Operating Area**" means those areas in Andaman Basin offshore in the East Coast offshore Indian waters in which the company or its affiliated company may from time to time be entitled to conduct drilling operations.

vi. "**Location**" means the surface coordinates as specified in the Contract and other places, on/under/in or through which the services are to be executed by the Contractor provided by the company for working space or any other purpose as designated hereinafter as forming part of the location.

vii. **"Shore Base"** means the logistics support base where the Contractor's, Company's and Company third party personnel and equipment will be shipped, stored, maintained and delivered to support the offshore Drilling Unit as per the Contract. Shore base services will be at Port Blair and Kakinada, Andhra Pradesh for the Andaman and Nicobar Islands wells.

viii. **"Operation Base"** means the place or places, onshore, designated as such by Company from time to time.

ix. "**Company's items**" – if any means the equipment, materials and services – if any, which are to be provided by company at the expense of company and as listed in the Contract.

x. "**Contractor's items**" means the equipment; materials and services, which are to be provided by Contractor or company at the expense of the Contractor which, are listed in section under terms of reference and technical specifications.

xi. "**Contractor's personnel**" means the personnel as mentioned under section terms of reference and technical specification, to be provided by Contractor from time to time to conduct operations hereunder.

xii. **"Contractor's representatives**" mean such persons duly appointed by the contractor thereof at location / Base to act on Contractor's behalf and duly notified in writing to the Company.

xiii. **"Day**" means a calendar day of twenty-four "24 consecutive hours beginning at 00:00 hrs. and ending at 24:00 hrs.

xiv. "**Approval**" as it relates to Company, means written approval.

xv. "**Commencement Date**" means the date on which the contractor completes the mobilization successfully under this Contract.

xvi. **"Spudding in of the well**" means the initiation of drilling of the well at the location after alignment and after the Drilling Unit preparation is complete in all respects subsequent to clearance from naval, safety, audit and the Company Representative.

xvii. "**Drilling Operation**": Means all operations as generally understood for drilling Company/Gas wells, more particularly all the operations required to be carried out pursuant to this Contract.

xviii. "**Inter-location movement**" means the last anchor racked by the Drilling Unit from the present well location after issuance of Rig release notice by the Company Representative till the first anchor dropped by the Drilling Unit at the next designated location.

xix. "**Facility**" means and includes all property of Company owned or hired, to be made available for services under this Contract and as described in this agreement which is or will be a part of the Company.

xx. "**Certificate of Completion**" means certificate issued by the Company to the Contractor stating that he has successfully completed the jobs/works assigned to him and submitted all necessary reports as required by the Company.

xxi. **"Equipment"** means equipment required for Acid treating/fracturing operation with associated services (Acid handling, CTU & FPU) as listed in the Contract.

xxii. **"Contractor's Base"** means where the Contractor will establish camp for their equipment and personnel at Kakinada. The Contractor has to carry out maintenance for the equipment in the base camp.

xxiii. **"Acid treatment/fracturing & CTU – FPU Operation"** means all operations required to be carried out pursuant to this contract.

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

2.1 EFFECTIVE DATE: The contract shall become effective from the date Company

notifies Contractor in writing (through Letter of Award) that it has been awarded the contract. The date of issue of Letter of Award (LOA) by Company to the Contractor shall be the Effective Date of the Contract.

2.2 DATE OF COMMENCEMENT OF THE CONTRACT:

The Contract shall commence after successful completion of Mobilization at Contractor's Shore base, Kakinada as per the mobilization schedule, mentioned in SCC clause 2.3, and are in readiness from all respects to commence operations as per the respective Scope of work and duly certified by the Company Representative. The next day of mobilization completion herein referred to as "Commencement Date".

2.3 MOBILISATION TIME AND DEMOBILIZATION:

The Contractor shall mobilize the Services along with the crew, to commence operations as per Scope of work of individual phases and as per the mobilization schedule to the designated locations detailed below.

Phase / Service	Location	Timeline
Kickoff Meeting & Data Collection	KGB Project Office, OIL, Kakinada	Within 10 days from the date of Mobilization Notice.
Acid Treating/fracturing Fleet including bare minimum consumables for 2 jobs	Kakinada, Contractor's shore base	Within 70 days from date of issuance of Mob Notice
CTU-FPU services.		Within 70 days from date of issuance of Mob Notice
Removal of all equipment	Company's Shore Base	Within 3 days from the date of issuance of De-Mob Notice

2.3.1 MOBILIZATION FOR EXECUTION OF ACID TREATMENT/FRACTURING JOB IN 02 NOS. WELLS

Post award of the contract, OIL shall issue mobilization notice for the contract service and following milestones activities shall be completed within the stipulated timeline:

i) Submission of documents for equipment including residual life certification, Rig Safe certification, & maintenance records etc., consumables and manpower CV as per terms and condition under ToR / SoW of the tender / contract.

ii) For stimulation equipment which includes acid treating/frac services package and CTU-FPU package, the contractor shall bring and place all

equipment within 70 days, from date of mobilization notice, at Contractor's Base for on-hire survey by OIL. The Contractor shall intimate the Company in writing about their readiness to on-hire survey at Contractor's Base. The Company representative will carry out the on-hire survey / inspection of the equipment jointly with Contractor's personnel within 05 (five) working days of intimation received from the contractor.

Post completion of the on-hire survey of the acid treating/fracturing package and CTU – FPU packages, Company will provide a Vessel at Kakinada Port for transportation of the same to the rig. The contractor shall then complete the spotting, sea-fastening and wet test of the equipment within 5 days from the date of loading of equipment onto the rig.

NOTE for (ii) & (iii) : Mobilization of individual service packages will be considered as completed on the date of successful on-hire inspection of equipment, for respective service packages (Acid/frac, FPU & CTU, as applicable) and acids including all other chemicals for minimum 02 jobs, along with necessary documents carried out by Company representative and/or by Third Party Inspection agency.

iii) On-hire inspection of the services shall be done only at the Contractor's shore base. In case, the on-hired equipment are not sent to rig for sea-fastening due to any reason not attributable to Contractor, then Individual Service Day Rate charges as applicable shall be payable after 7 days onwards from on-hire survey date, e.g., in case on-hire survey is completed on Day 1, then Individual Service Day Rate shall start from Day 8.

iv) Company will certify completion of mobilization after inspection, witnessing hydrotest & compliance to the terms & condition of tender/contract. The date certified by the company shall be treated as the date of completion of mobilization.

v) The succeeding day of issue of mobilization notice shall be counted as day 01 for the purposes of Mobilization period.

vi) Mobilization charges are inclusive of transportation, sea/airfreight, loading/unloading, shipping, wharfage/ demurrage and harbour fees, port or airport fees, packing and handling charges, permit, import clearance charges and all insurance adequate to cover the shipment from the place of origin until arrival at Company's Shore Base at Kakinada.

vii) Company shall have the option to ask for delayed mobilization of the services as per Contract. A minimum notice period of 30 days before the schedule date of mobilization shall be applicable at the time of asking for such delay in mobilization. Mobilization can be delayed for a maximum of 45 days, limited to twice in the duration of the Contract.

viii) De-mobilization charges shall become payable on clearance & re-export of all equipment from Indian Port / Custom authorities for re-export of equipment to Contractor's base or Block Transfer or re-export to SEZ as permissible under applicable customs rules / regulations and provided Company is out of charge after Block Transfer or re-export to SEZ. However, Company shall not pay de-mobilization charges of services/tools/units/sets etc. which are not re-exported on completion of Contract/termination and also if the Contractor deploys such services/tools/ units/sets etc. against any other contract(s) for Company in India.

The demobilization charge will include all expenses for inland transport, sea-freight/airfreight, loading and unloading, shipping, wharfage and harbour fees, port or airport fees, packing and handling charges, permit or octroi charges (if any), export clearance charges and all insurance adequate to cover the shipment until arrival at Contractor's base in the country of origin / port of origin.

2.3.2 De-hiring of Services: De-hiring of services/tools/sets/items etc. shall be as follows unless specified otherwise in the scope of work of any service:

a. Regular services/tools/sets/items – On receipt of notice / offloaded at Company's Shore Base.
b. Call out/optional services/tools/sets/items – After completion of job and upon offloading at Company's Shore Base.

Note: A kick-off meeting for mobilization shall be held within 10 (Ten) days from the date of issue of the mobilization notice which the Contractor should attend and submit the schedules along with various dates. After the kick-off meeting Contractor shall submit fortnightly report or any other report as desired by The Company showing progress in each activity of mobilization.

2.4 Duration of contract: This CONTRACT shall remain valid for a period of 06 (six) months from the date and time of commencement, extendable by another 03 months at the same rates and terms & conditions or for 02 wells in Andaman offshore blocks with a provision to extend the services for additional one well at the same rates and terms & conditions, whichever is earlier. However, for any ongoing job, the contract duration will get automatically extended till its completion.

3.0 LIQUIDATED DAMAGES FOR DEFAULT IN TIMELY MOBILISATION:

3.1 Time is the essence of this Contract. In the event of the Contractor's default in timely mobilization & completion within the stipulated period as per SCC clause for commencement of operations, the Contractor shall be liable to pay liquidated damages @ 0.5% of the total Contract cost, per week or part thereof

of delay subject to maximum of 7.5% of total contract cost.

3.2 Company shall have at any time but after the stipulated period for mobilization, the right to terminate the Contract in the event Contractor fails to deploy all services at the designated locations within aforesaid period, without prejudice to any other clauses including LD Clause. The parties agree that this is a genuine pre-estimate of the loss/damage which will be suffered on account of delay/breach on the part of the contractor and the said amount will be payable on demand, without there being any proof of the actual loss or damages caused by such delay/breach.

3.3 In case the Contractor fails to mobilize and deploy the services along with crew and/or are not ready to commence operations, Company shall have, without prejudice to any other provision in the contract including sub clause below, the right to invoke the performance security, forfeit the amount of performance security and terminate the contract. Apart from termination, Contractor will be put up on holiday of two years (CONSEQUENCES OF TERMINATION).

3.4 If the Contractor is unable to mobilize / deploy the Services within the mobilization period specified in clauses above, it may request the Company for extension of the time with unconditionally agreeing for levy/payment of Liquidated Damages. Upon receipt of such a request, Company, at its discretion, may extend the period of mobilization and Company as its sole remedy can recover from the Contractor as ascertained and agreed Liquidated Damages as under of the Contract conditions.

4.0 TERMS OF PAYMENT: As per the SOR clauses, subject to submission of End of Job Report on completion of each job. Company agrees to pay the Contractor for work performed/services rendered and material/equipment supplied and personnel deployed by the contractor as per the Scope of Work, a sum computed at the rates specified in the price schedule of Contract. The rates payable shall be firm during the entire contract period, including extension period, if any.
Submission of Invoice: All invoices are to be uploaded through Vendor Invoice Management (VIM) portal only.

5.0 INDIVIDUAL SERVICE DAY RATE (ISDR)

5.1 Contractor shall be paid Individual Service Day Rate (ISDR) for the services for acid treatment/frac from the time they are mobilized at the respective designated locations as per the Mobilization clause 2.3 of SCC and made ready in all respects to start operations, during entire period of the Contract, except when specifically, otherwise provided for in this Contract as per the rates given at rate schedule.

In case, the equipment (Acid/frac, FPU & CTU) which require sea-fastening at rig are not sent to rig after on-hire survey due to any reason not attributable to Contractor, then ISDR Charges as applicable shall be payable after 7 days

onwards from on-hire survey date, e.g., in case on-hire survey is done on Day 1, then ISDR Charges shall start from Day 8. However, if any of the Equipment / Tools of the above service(s) are found to be defective or not in operating condition as per its intended operations during hookup or pressure testing or startup / commissioning operations at Offshore Drilling Rig, the ISDR charges shall be revoked from the date of consideration till the Equipment / Tools / Services are brought into operation.

ISDR for acid treatment/frac equipment will not be paid for the duration when Charges for sea-fastening & dismantling of sea-fastened equipment are payable. ISDR Charges shall not be paid when the equipment(s) are offloaded from Rig as per interim demobilization / demobilization notice.

5.2 Contractor shall be paid Individual Service Day Rate (ISDR) for CTU-FPU Services from the date & time of mobilization completion and made ready in all respects to start operations as per instruction of the Company and as per the Mobilization / remobilization clause 2.3 of SCC, except when specifically, otherwise provided for in this Contract as per the rates given at rate schedule.

5.3 ISDR charges shall not be payable for the duration when the OCDR charges are payable during operation in well for individual services.

6.0 OPERATING COMPONENT DAY RATE (OCDR)

Contractor shall be paid Operating component day rate (OCDR) whenever applicable for Acid Treatment/fracturing services and CTU-FPU Services as guided in SOR clause. The period shall be pro-rated to the nearest hour.

6.1 ISDR shall not be payable for the duration when the OCDR Charges are payable for that particular service.

6.2 For payment towards any ISDR/OCDR charges, the tool/equipment should always be available in working condition during that period.

6.3 ISDR charges shall not be more than 75% of the quoted OCDR charges.

7.0 SERVICE BREAK DOWN & PENALTIES:

7.1 The Individual Service Day Rate (ISDR) and Operating Component Day Rate (OCDR) charges quoted for that particular service covered in the Acid Treatment/Fracturing Services or /and CTU-FPU Services shall not be paid for such period, that service either:

i) Breaks down,

Or

ii) is not operating or not available as per its intended operations due to which the Drilling unit / other services cannot perform its intended operations,

Or

iii) is not operating or not available as per its intended operations due to which the operation quality is compromised.

7.2 A pro-rata penalty @ 25% of OCDR Charge of the respective services of shut down shall be imposed & deducted from monthly invoices of the contractor in case of non-availability of the services, manpower, tools, equipment resulting into shut down of Well operations and/or rig and or other services. This deduction shall be in addition to the zero rate for the duration of that particular service for which the rig has faced shut down of the operations.

8.0 INSPECTION CLAUSE Company shall get the equipment of hired services inspected on its own or through any of the following internationally reputed third-party inspection agency as per the tender specifications. Company at its option, can nominate any one of the following third-party inspection agencies for inspection of various Acid Treating/Fracturing services and the cost of the third-party inspection will be borne by Company: a) OES, UAE b) LRDISI c) ABS d) Oil field Audit Services Inc., e) DNVGL NDA f) OMCI g) Any other agency nominated by COMPANY.

i) Company will accept the services only after Company/nominated third party inspection agency confirms that the services are as per tender specifications.

ii) Subject to timely mobilisation of TPI Inspector by the Company, the Contractor has to ensure completion of all inspection before the services are allowed to be positioned at the rig/designated locations.

iii) Contractor shall confirm Completion of inspection and complete readiness of stipulated services in all respects, to the satisfaction of Company including conformity to Company tender conditions and specification certified by Company /third party inspection agency prior to commencement of contract.

iv) Notice for inspection as per (ii) above is required to be given by the Contractor 7 days in advance.

9.0 CONTRACTOR'S OBLIGATIONS:

9.1 PERSONNEL:

9.1.1 Contractor shall ensure that its personnel will be competent as required under the service to be provided. However, the Contractor shall provide details of experience, qualification and other relevant data of the personnel to be deployed for scrutiny and clearance by the Company before the actual deployment, i.e., within the mobilization period. The Contractor shall not deploy its personnel unless cleared by the Company. The contractor shall not replace the key personnel initially mobilised during the contract period, except in the case of leave, illness, and resignation.

9.1.2 The Contractor shall appoint a Base Manager as the Contractor's representative who must be in charge of the project and must be primarily based in Kakinada. However, he will be required to visit Port Blair as and when required. The Base Manager must have the entire power requisite for performance of the work. He must liaise with other service providers like Drilling rig, bundle service, logistics, shore base services etc., and report to the OIL's Production Engineer, based in Kakinada for the proper co-ordination and timely execution of the job.

9.1.3 The Contractor will provide on regular basis, all category of their employee competent, suitably qualified, and adequately experienced personnel for necessary supervision and execution in carrying out the requisite operations correctly and efficiently throughout the Contract period in a professional manner. Personnel provided by the Contractor must observe all safety and statutory norms applicable to the Company and of the Contractor. Their performance must be to the satisfaction of the Company and the Contractor must be willing and ready to replace, at their own expenses, any of their personnel who are not found suitable by the Company.

9.1.4 The detailed biodata of all the personnel likely to be deployed under the service and the number of additional personnel planned to be deployed must be submitted to the Company with necessary documents before engaging them for Company's approval. List of Expatriates and Indian personnel with their biodata and experience in respective areas of work shall be furnished within 10 days of issue of letter of award and got approved by Company before commencement of the work.

Note: Replacement – if any during the currency of the Contract with equivalent qualification / experience needs Company's prior written approval.

9.1.5 All the personnel must have requisite experience in respective fields and should be fluent in English language.

9.1.6 The Contractor shall be solely responsible for and shall provide for all requirements of his personnel, and of their Sub-Contractor(s), if any. These provisions will include but not be limited to their insurance, medical services, messing, transportation (both air and land transportation), vacation, salaries and all amenities, termination payments, all immigration requirements and taxes, if any, payable in India or outside at no extra charges to the Company. Boarding and local transportation of Contractor's personnel during the entire duration of the Contract shall be arranged by Contractor at their cost.

9.1.7 Contractor will immediately remove the personnel upon receiving notice from the Company without hampering the operations and replace the personnel at the earliest, who in the opinion of Company, is incompetent, or negligent

or of unacceptable behaviour or whose employment is otherwise considered by Company to be undesirable.

9.1.8 All Contractors' personnel shall be conversant with Oil Field Safety and Fire Fighting Practices and shall comply with Company HSE norms and standards.

9.1.9 Contractor shall provide all personal safety gears for Contractor's personnel for safe working.

9.1.10 Contractors deploying foreign nationals required for execution of all work under the Service are required to have all necessary clearances as per the Govt. of India regulations.

9.1.11 Foreign Nationals deployed under the service should have proper work Visa as per the Govt. of India regulations and MOHA clearances as required under law.

9.1.12 Fitness Certificate: All offshore going personnel should have valid Fitness Certificate issued by any Registered Medical Practitioner with minimum qualification of MBBS. The validity of the certificate should be 2 years from the date of issue. Contractor shall ensure to maintain valid certificates for everyone on board and should present the same for verification by Company when demanded anytime during the tenure of the contract. Contractor to submit the Fitness certificates issued post NIT date, at the time of submission of CV for approval by Company during mobilization period.

9.1.13 The quoted day rate of national and expatriate service personnel shall be all-inclusive of their mobilization, local travel, boarding, lodging, and demobilization, including any remobilization. The Company shall provide transportation from Company designated Heli-base to the Drilling Unit, the Company will also provide accommodation and food while the personnel is on the Drilling Unit. Any day rates for personnel will be paid only when on the drilling unit. If any person/personnel are mobilized/remobilized to the Company's Shore Base or offloaded from the Drilling Unit by the Company due to any other reason or contingencies at the Company's request, the Company shall pay only the quoted day rate which will be inclusive of local travel, boarding, lodging, etc.

9.1.14 Data Integration: Contractor must have the facility to transmit their data with Rig's communication system for Real-Time transmission.

9.2 FOOD, ACCOMMODATION, TRANSPORT AND MEDICAL FACILITY AT DRILLING UNIT:

9.2.1 Food & services as per industry practice and first-aid medical service for all personnel on board the Drilling Unit will be provided by the Drilling

Contractor.

9.2.2 Air Logistic transportation of Contractor's and their third-party personnel to the offshore Drilling Unit shall be arranged by the Company. Contractor will have to arrange their own transportation arrangement up to Port-Blair airport (Company designated Heli base).

9.3 CONTRACTOR'S ITEMS:

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

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

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

9.3.4 The Company shall provide fuel to the Contractor’s Equipment at the Drilling Unit only.

9.3.5 Contractor will be responsible for lubricants for operation of Contractors equipment at Contractors cost.

9.3.6 Contractor will be responsible for fuel, lubricant and water consumed at its shore base. There will be no escalation in day rates throughout the duration of the Contract including extension, on account of any price increase in fuel/lubricants, other consumables, etc.

10.0 CONTRACTOR'S SPECIAL OBLIGATIONS:

10.1 It is expressly understood that Contractor is an independent Contractor and that neither it nor its employees and its subcontractors are employees or agents of Company. however, Company is authorized to designate its representative, who shall at all times have access to the existing Drilling Unit, Bundle Services, Logistics, Shore Base & Fracturing Services related equipment and materials and all records, for the purposes of observing, inspecting and designating the work to be performed hereunder by the Contractor. The Contractor may treat Company's representative at location as being in charge of all Company's and Company designated personnel at location. The Company's representative may, amongst other duties, observe, test, check, examine records kept at well site by Contractor and control implementation of all the services provided under Fracturing Service works performed by Contractor.

10.2 Compliance with Company's Instructions: Contractor shall comply with all instructions of Company consistent with the provision of this Contract. Such instructions shall, if Contractor request, be confirmed in writing by Company's representative.

10.3 Contractor shall arrange for transportation of all equipment, materials,

consumables etc. from the port of importation/point of origin to the Company's shore base at Kakinada and back at the end of the work at their own expense. Arrangement of Permits and payment of Entry Tax, if any, for bringing Contractor's equipment / materials / consumables to Company's shore base at Kakinada shall be Contractor's responsibility and at their cost.

10.4 All the equipment, materials, consumables etc. supplied by the Contractor to the Company under the contract, shall be stored in Contractor's facilities at Kakinada and shall be delivered at Company's Shore Base at Kakinada as per operational requirement and when instructed by the Company.

10.5 Contractor should provide the list of items to be imported in the format specified in Proforma-A for issuance of Essentiality Certificate to Custom office for clearance of goods from customs at concessional (nil) rate of customs duty. Similarly, Contractor shall furnish list of all remaining and balance items imported under the Essentiality Certificate for re-export at the end of the Contract and prior to de-mobilization.

10.6 In case the Contractor imports the equipment/materials/consumables etc. on re-export basis, the Contractor shall ensure for re-export of the equipment and all consumables and spares (except those consumed during the contract period) and complete all documentation required. Company will issue necessary certificates etc. as required. The Contractor should arrange for re-export of equipment / materials / consumables within 10 days of notice of de-mobilization issued by the Company. If the re-export is not completed within the specified period, customs duty, penalty etc. levied by customs authorities for such delay shall be to Contractor's account and same will be deducted by the Company from Contractor's bills and security deposit. Note: 'Re-export' used herein or elsewhere in the Contract shall also mean and include Block Transfer or re-export to SEZ as permissible under applicable customs rules / regulations and provided Company is out of charge after Block Transfer or re-export to SEZ.

11.0 CONFIDENTIALITY OF INFORMATION: All information obtained by contractor in the conduct of operations hereunder, shall be considered confidential and shall not be divulged by Contractor or its employees to anyone other than company's representative. This obligation of contractor shall be in force even after the termination of the Contract.

12.0 ASSOCIATION OF COMPANY'S PERSONNEL:

12.1 Company may depute one or more than one representative (s) / engineer (s) to act on its behalf for overall co-ordination and operational management at location. Company's representative will be vested with the authority to order any changes in the scope of work to the extent so authorized and notified by the Company in writing. He shall liaise with the Contractor and monitor progress to ensure timely completion of the jobs. He shall also have the

authority to oversee the execution of jobs by the Contractor and to ensure compliance of provisions of the Contract.

12.2 Company's representatives shall have free access to all the units of the Acid Treating / Fracturing services of the Contractor during operations as well as idle time for the purpose of observing / inspecting the operations performed by the Contractor in order to judge whether, in Company's opinion, the Contractor is complying with the provisions of the Contract.

12.3 The monitoring and overseeing of the jobs under the Contract by the Company's personnel / representative shall not absolve or reduce the obligations of the Contractor under the Contract in any manner.

13.0 RIGHTS AND PRIVILEGES OF COMPANY:

13.1 Company shall be entitled to check Contractor's items before the Commencement Date. If they are not found in good order or do not meet specifications as per Section II or in case of non-availability of some of the Contractor's items listed therein, the Contractor may not be allowed for commencement until the Contractor has remedied such default.

13.2 To change the Acid treatment / frac program to complete or abandon any well at any time.

13.3 To approve the choice of sub-contractors for any essential third-party contract, concerning materials, equipment, personnel and services to be rendered by Contractor. Sub-contract may be entered into by Contractor only after Company's approval.

13.4 To check, at all times, Contractor's stock level, to inspect Contractor's equipment and request for renovation or replacement thereof, if found in unsatisfactory condition or not conforming to regulations or specifications.

13.5 To order suspension of operations while and whenever:

a) Contractor's personnel are deemed by Company to be not satisfactory,
b) Contractor's equipment does not conform to regulations or to the specifications laid down in the Contract.
c) Contractor's equipment turns into a danger to personnel on or around the rig or to the well.
d) Contractor's insurance in connection with the operations hereunder is found by Company not to conform with the requirements set forth in the Contract.
e) Contractor fails to meet any of the provisions in the Contract.
f) Any shortage in key/additional (compulsory) personnel and inadequacy of other personnel.
g) Contractor is found non-compliant to HSE requirement as per Safe

Operating Practices or applicable law.

14.0 INGRESS AND EGRESS AT LOCATION:

Company hereby agrees that it shall provide Contractor with all necessary rights to the location where the well is to be located including any permission / licenses as required for the performance by Contractor of all works contemplated by this Agreement. In the event of any restrictions, conditions, or limitations in Company's permit, which would affect the free right of ingress, egress and possession to be exercised by Contractor hereunder, its employees or its subcontractors, Company agrees promptly to advise Contractor in writing with respect to such restrictions, conditions or limitations and Contractor agrees to observe the same. Should any permits / licenses / Certificates - as applicable be delayed because of objections of statutory authorities in respect of Contractor's issue, the Contractor should make good and take corrective actions immediately and in that case no rate will be payable to the Contractor. Should Contractor be denied access to the location of intended operations at Rig due to lack of compliance of any permits or licenses required by the Company, time lost as a result thereof shall be compensated at the ISDR for any particular service (s).

15.0 DAMAGE TO PIPELINE, PLATFORMS, DRILLING RIGS OR VESSELS

Contractor shall be responsible and hold Company harmless for any damages to pipeline, platforms, drilling rigs, vessels and damage or loss of materials or equipment of Company and/or other third-party materials or equipment in the area of operation for reasons attributed to the gross negligence of the Contractor, provided that Contractor’s liability shall not exceed US Dollars Five Hundred Thousand per occurrence. The Company shall be responsible for and shall indemnify and hold Contractor harmless for all amounts in excess thereof.

16.0 SUBSEQUENTLY ENACTED LAWS:

Subsequent to the date of issue of letter of award if there is a change in or enactment of any law or interpretation of existing law, which results in additional cost / reduction in cost to Contractor on account of the operation under the Contract the Company / Contractor shall reimburse / pay Contractor / Company for such additional / reduced costs actually incurred subject to the submission of documentary evidence by Contractor / Company.

17.0 RESPONSIBILITY FOR LOSS OF OR DAMAGE TO THE EQUIPMENT:

17.1 Except as otherwise specifically provided in this Contract, any damage to or loss of the Contractor’s Equipment (which, for the purpose of this Article 18.1 shall be deemed to include all Contractor's and its sub-contractors equipment) and regardless of the cause or reason for said loss, shall be the loss of the Contractor its underwriters or insurers and Contractor agrees to protect,

defend, indemnify and hold the Company, its co-licensees and its and their affiliate companies, agents, employees, invitees, servants, their underwriters or insurers (other than Contractor's) and their employees harmless against any claim whatsoever or responsibility for any damage to or loss of the equipment or property of Contractor or Contractor's sub-contractors furnished or intended for use in the operations herein undertaken.

18.0 INDEMNITY AGREEMENTS:

18.1 Contractor agrees to protect, defend, indemnify and hold Company its co-leases, its agents, if any, its other Contractor's and/or their employees harmless from and against all claims, suits, demands and causes of action, liabilities, expenses, costs, liens, rights in rem, and judgments of every kind and character, without limit, which may arise in favor of Contractor, Contractor's employees, agents, sub-contractor's or their employees, on account of bodily injury or death of Contractor's employees, agent, sub-contractor or sub- contractor's employee or damage to said employee's property as a result of the operations, contemplated hereby, regardless of whether said claims, demands, or causes of action arise out of negligence or otherwise, in whole or in part, unseaworthiness or other fault, including pre-existing conditions of Company, its contractor's other than the Contractor, sub-contractors, partners, Joint Ventures, their employees or Agents.

18.2 Company agrees to protect, defend indemnify and hold Contractor and its sub-contractors, its agent and its affiliates, its other contractors and / or their employees harmless from and against all claims, suits, demands and causes of action, liabilities, expenses, costs, liens, rights in rem and judgments of every kind and character, without limit, which may arise in favour of or against the Company, Company's employees, Agents, invitees, contractors (other than Contractor) and sub-contractors or their employees, on account of bodily injury or death of Company's employees, agents, invitees, contractors (other than Contractor) and sub-contractors or damage to said employees or its property (including any property of Company) as a result of the operations contemplated hereby, regardless of whether or not said claims, demands or causes of action arise out of the negligence or otherwise in whole or in part, unseaworthiness or other faults, including pre-existing conditions of Contractor, its sub-contractors, partners, Joint Ventures, employees or agents.

19.0 POLLUTION AND CONTAMINATION:

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

(a) The Contractor shall assume all responsibility for cleaning up and controlling pollution or contamination which originates above the surface of the

water from spills or fuels, lubricants, motor oils, normal water base drilling / completion fluid and attendant cuttings, pipe dope, paints solvents, ballast, bilge and garbage wholly in Contractor's possession and control and directly associated with Contractor's equipment and facilities, provided, however, Contractor's liability shall be limited to US Dollars One Million (US$ 1 Million) where after the Company shall indemnify and hold harmless Contractor for amounts in excess.

(b) Except as otherwise provided in article 19.(a), Company shall assume all responsibility for (including control and removal of the pollutant involved) and shall protect, defend and save the Contractor harmless from and against all claims, demands, and causes of action of every kind and character arising from all pollution or contamination, other than that described in sub-clause (a) above, which may occur from gross negligence of Contractor but not limited to, that which may result from fire, blowout, cratering, seepage of any other uncontrolled flow of oils, gas, water or other substances, as well as the use or disposition of oil emulsion, oil base or chemically treated drilling / completion fluids, contaminated cuttings or caving, lost circulation and fish recovery materials and fluids provided however, Contractor's sole liability under this sub-clause is to reimburse Company US Dollars One Million (US$ 1 Million) of cost paid/incurred by Company in control of the pollutant, clean-up costs, or damage to a third party, provided said pollution results from contractor's gross negligence, where after the Company shall indemnify and hold harmless Contractor for amounts in excess.

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

(d) All the packing materials/empty drums of Contractor's supplied consumable materials like cement, chemicals, additives, liquids, etc. is the property of Contractor. The storage and disposal of these items as per prevailing pollution control laws is the responsibility of the Contractor.

20.0 WAIVERS AND AMENDMENTS:

It is fully understood and agreed that none of the terms and conditions of the contract shall be deemed waived or amended by either party unless such waiver or amendment is executed in writing by the duly authorized agents or representatives of such party. The failure of either party to execute any right of termination shall not act as a waiver or amendment of any right of such party provided hereunder.

21.0 DEMOBILISATION & RE-EXPORT:

21.1 The Contractor shall arrange for and execute demobilization of the entire Tools / Equipment / Spare / Accessories / Manpower etc. upon receipt of notice for demobilization from Company. Demobilisation shall mean completion / termination of the contract and shall include dismantling of the complete Acid Treating / Fracturing Service package, its accessories/equipment, including the manpower and re-export of the complete Acid Treating / Fracturing package (if re-exportable), its accessories/equipment, unutilized spares and consumables at the cost of the contractor. Demobilization shall be completed by Contractor within the days mentioned in the demobilization notice issued by the Company. Immediately after re-exporting the Acid Treating /Fracturing package, its accessories, equipment and the unused spares and consumables, Contractor shall submit the detail re-export documents to Company as documentary proof of re-exporting the complete Acid Treating /Fracturing package, its accessories, equipment and the unused spares and consumables. In case of failure to re-export any of the items as above within the allotted time period except under circumstances relating to Force Majeure, Company reserves the right to withhold the estimated amount equivalent to the Customs Duty and/or penalty leviable by customs on such default in re-export from Contractor's final settlement of bills and Performance Security.

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

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

21.4 In the event all / part of the equipment etc. are transferred by Contractor after expiry/termination of the contract within the country to another Company for providing services, and/or sold to a third party, Contractor shall obtain all necessary Govt. of India clearances including the Customs formalities for transferring to another Company and/or sale of the Acid Treating /Fracturing package, its accessories, equipment and the unused spares and consumables to a third party. Company will not be responsible for any non-compliance of

these formalities by Contractor. Payment of Customs Duty and penalties (if any) imposed by Govt. of India or Customs authorities for transferring the items in part or in full to an area where Nil Customs Duty is not applicable, or sale of the items shall be borne by the Contractor and Contractor indemnifies Company from all such liabilities.

21.5 'Re-export' used herein or elsewhere in the Contract shall also mean and include Block Transfer or re-export to SEZ as permissible under applicable customs rules / regulations and provided Company is out of charge after Block Transfer or re-export to SEZ.

22.0 CONFIDENTIALITY:

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

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

1. Is, at the time of disclosure, known to the public.
2. Lawfully becomes at a later date known to the public through no fault of Company.
3. Is lawfully possessed by Company before receipt thereof from Contractor.
4. Is disclosed to Company in good faith by a third party who has an independent right to such information.
5. Is developed by Company independently of the information disclosed by Contractor; or Company is required to produce before competent authorities or by court order.
6. Is required to be disclosed on the direction of Court or any statutory authority.

22.1 Also, the Contractor agrees to be bound by professional secrecy and undertake to keep confidential any information obtained during the conduct of drilling rig operations, including, but not limited to, formations penetrated, results of testing, and surveying of the well. And to take all-reasonable steps to ensure the Contractor's personnel likewise keep such information confidential.

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

22.3 Contractor shall handover to Company all Company's documents or drafts concerning operations carried out and which are still in its possession before

the end of the contract period.

23.0 SAFETY:

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

24.0 DISCIPLINE:

Contractor shall carry out operations hereunder with due diligence and in a safe and workman like manner according to good international oil field practice. The Contractor shall maintain strict discipline and good order among their respective employees and their respective Sub-contractors, if any, and shall abide by and conform to all rules and regulations promulgated by the Company and Contractor governing the operations at the assigned worksites. Should the Company feel with just cause that the conduct of any of the Contractor's personnel is detrimental to Company's interests; the Company shall notify Contractor in writing the reasons for requesting removal of such personnel. The Contractor shall remove and replace such employees at their expense within 15 days if replaced by National Crew and 30 days if replaced by Expatriate from the time of such instruction given by the Company. If no replacement has been provided within this time the Company shall reduce the daily rate by the amount specified for this category under Clause No: 7.0 above until such replacement has been provided. The person so removed shall not be employed again without the prior written consent of the Company. Contractor shall not permit any of its employees, representatives, agents or sub-contractors to engage in any activity which might reasonably be considered to be contrary or detrimental to the interest of the Company. Deficiency: In the event of the Contractor failure to strictly adhere in providing the minimum requirements of key personnel as set out in the Technical Specification and Scope of Work, the penalty shall be levied.

25.0 DEFICIENCY PENALTY:

25.1 If operation is suspended for non-availability of key personnel, Contractor will be penalized as defined under Clause Nos 6.1 and 6.2 above.

25.2 In case of short deployment / deficiency on account of sickness / accident, fifteen (15) days will be allowed for replacement without any reduction in Day Rates subject to normal progress of the performance of Work. Beyond this, the Clause No: 7.0 above will be applicable.

26.0 DEFICIENCIES: CONTRACTOR's all equipment shall be always maintained by CONTRACTOR in sound and efficient operating condition. Should the

performance of CONTRACTOR's equipment and services becomes unsatisfactory or performance of work hereunder be reduced because of defective CONTRACTOR's furnished equipment or by reason of CONTRACTOR's incompetence or negligence, OIL shall give CONTRACTOR written notice specifying the causes of its dissatisfaction to correct the specified deficiency within 10 days failing which OIL shall have the right to terminate this Contract by giving thirty (30) days advance written notice to the CONTRACTOR, unless the specified deficiency is corrected within such ten (10) days period. In this event no demobilization fees will be payable by the Company notwithstanding the provision contained in the Contract. OIL shall recover the mobilization charges, if any, paid as defined in "Section-IV: Schedule of Rate" in case the deficiency occurs during pendency of the Contract, on pro-rata basis for the period of performance, in addition to invoking of performance bond due to failure of the CONTRACTOR in not executing the Contract faithfully.

27.0 LOSS OR DAMAGE OF SUB-SURFACE EQUIPMENT:

Notwithstanding any provision under this Contract to the contrary, Company shall assume liability except in the event of Willful Misconduct on the part of the Contractor for loss or damage to the Contractor's equipment/tool in hole below rotary table. Company shall at its option either reimburse the Contractor for the value of lost/damaged equipment/tool as declared in the import invoices at the time of mobilization or subsequent replacement/addition of the same equipment/tool or CIF value whichever is lower for any such loss or damage, less depreciation @ 3% per month from the date of start of the Contract up to a maximum depreciation equivalent to 50% of CIF value as indicated by the Contractor or at its option to replace similar equipment/tools and any transportation expenses incurred in connection herewith. All such cost shall be payable by Company, provided the equipment/tool is not covered under Insurance and provided such equipment/tool are included in the exclusion list of the Insurance Policies submitted by the Contractor in terms of GCC Clause of the Contract or all such cost shall be payable only after Contractor furnishes notarized undertaking in the prescribed format to the extent that the particular equipment/tool in question is not covered by Contractor's insurance. For claims of lost/damaged equipment/tools, Contractor must intimate the Company of their intention to lodge claim in writing within one month of the declaration of lost/damaged tool by Company and final claim thereof must be made within six months of the date of the lost/damaged tool or before expiry of the Contract, whichever is earlier. The inspection of recovered from downhole need to be made by Company Representative before submission of the invoice by Contractor.

NOTES:

(i) The claim on account of Loss /damage should be claimed within six months of the incident or before expiry of the Contract, whichever is earlier.

(ii) Company shall certify the Loss/Damage in Hole immediately upon receiving the intimation from the Contractor, so that replacement and

claiming of Loss/Damage can be done within the stipulated time.

(iii) No mobilization cost would be payable towards the replacement of LIH tools.

27.1 DOCUMENTATION OF LOSS:

Whenever any loss, damage or destruction to any of the Contractor's Equipment occurs, as stated in Clause above, the Contractor shall immediately notify the same to Company describing the loss/damage. Whenever the Contractor makes any claim pursuant to the provisions under the above Clause, the Contractor shall furnish in support thereof as noted below:

a) List of the Equipment lost or damaged.

b) Extent of the damage.

c) Particulars of import, Customs assessed Bill of entry & invoices.

d) Vouchers, invoices or any other documents indicating the date of first use of the Equipment in India.

e) Costs of repairs, if any, supported by evidence of the same.

f) Documentary evidence or self-declaration as per Format provided that the particular tool(s)/equipment in question is/are not covered by Contractor's insurance.

28.0 CERTIFICATE OF INSURANCE:

Before commencing performance of the Contract, Contractor shall upon request, furnish the Company with certificates of insurance including (1) kinds and amounts of insurance as required herein, (2) Insurance Company or Companies carrying the aforesaid coverages, (3) effective and expiration dates of policies, (4) that the Company will be given thirty (30) days written advance notice for any material change in the policy, (5) waiver of subrogation endorsement has been attached to all policies, (6) the territorial limits of all policies. If any of the above policies expire or are cancelled during the term of this Contract and Contractor fails for any reason to renew such policies, then the Company may replace same and charge the cost thereof to Contractor.

Should there be a lapse in any insurance required to be carried by Contractor as prescribe in this Contract, for any reason whatsoever, losses resulting therefrom shall be for the sole account of Contractor.

29.0 FORCE MAJEURE:

29.1 CONDITIONS FOR FORCE MAJEURE:

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

The term “Force Majeure” as employed herein shall mean floods, pandemic, endemic, tempest, war, civil riot, fire and Acts, Cyclone and Cyclones Consequences, Rules and Regulations of respective government of the two parties namely Company and the Contractor, directly affecting the performance of the Contract.

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

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

Such Force Majeure situations shall be paid at Force Majeure Rate for a period of first thirty days, for each occasion, after which zero rate shall be payable to the Contractor after which either party shall have the right to terminate the Contract if such `force majeure' conditions continue beyond successive 60 (Sixty) days, for each occasion, with prior written notice of 15 days, provided termination of the Contract does not result into safety hazard to the life and property on account of withdrawal of operations or the operation is at critical stage. The Company shall have the absolute right to decide whether any safety hazard exists, or operation is in a critical position and the decision of the Company shall be binding upon the Contractor.

29.2 WEATHER AND WAITING ON DAY LIGHT:

The parties hereto agree that waiting on weather/ waiting on day light shall not be considered as Force Majeure. Weather in this case means temporary conditions of wind, waves or tides, which make it unsafe or hazardous to conduct operations hereunder. The Individual Service Day Rates (ISDR) shall be applicable during these conditions.

30.0 HSE POLICY:

The contractor has provided HSE policy to the Company along with the bid. The Contractor should have a valid HSE Management System (HSEMS) for each quoted Services certified as per ISO: 9001, ISO: 14001 & OSHAS: 18001 / ISO: 45001/ISRS and should keep the certificate(s) valid during execution of contract period. In case certification is not there at the time of commencement of operations, the Contractor to submit details of their HSE management system approved by its highest authority not lesser than a director.

31.0 FISHING OF EQUIPMENT:

31.1 In the event any of the Contractor’s OR Company OR Company’s other

Contractors Tools / Equipment is lost / stuck in the well or at site, then the Company shall, at its expense, attempt to recover or retrieve the same. All necessary fishing tools and services, as laid down in the Contract or available with the Drilling Unit, shall be provided by the Contractor as and when the Company decides to fish for any of the Contractor's OR Company OR Company's other Contractors Tools / Equipment. The Company shall have full responsibility and liability for such Operations and the Contractor shall render support in an advisory capacity at all times in connection with such fishing operations.

31.2 If such fishing activity occurs due to Contractors' gross negligence, then "Zero Rates" will be applicable for the entire Services during the period of fishing operations.

32.0 DIESEL: The Company shall supply HSD for the Acid Treatment/ Fracturing Services and CTU-FPU Units on the Drilling Unit.

33.0 Consumables: For all consumable materials, the reimbursement shall be as per actual consumption as per the "Schedule of Rates".

34.0 PERMITS, CLEARANCES AND LICENSES

Contractor agrees that it shall secure permits, clearances and licenses for operations of the Acid Treatment/Fracturing services in Indian waters, if required and Contractor shall pay any expenses in this regard. Contractor shall take required License(s) from the appropriate regulatory agencies of Govt. of India at Contractor's cost. However, the Company shall assist the Contractor in obtaining the requisite permit, clearances and licenses.

35.0 LOADING OF EQUIPMENT:

Contractor shall make available all of Contractor's and its Sub-Contractor's equipment, material at Company's shore base at Kakinada as per the operational requirement. Company agrees to transport Contractor's and its Sub-Contractor's material to the drilling location nominated by Company for loading and unloading on board the Drilling Unit at Company's cost.

36.0 HAZARDOUS WASTE:

The Contractor shall be liable for the storage, handling, transportation (on land), manifest and disposal through authorised agency of any spent or used chemicals or other hazardous waste generated at its storing facilities in Kakinada.

37.0 LIMITATION OF LIABILITY:

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.

38.0 CUSTOMS DUTY:

38.1 The Company will issue Essentiality Certificate for import of Goods in terms of Custom Notification No. 50/2017-Customs dated 30th June-2017, further amended vide custom Notification No. 02/2022-Customs dated 1st February, 2022, S. No. 404 of Table, List 33 and Condition No. 48 and notification no. 08/2022 dated 13.07.2022 on submission of clear, legible and valid documents (including detailed invoice, technical justification, undertaking and affidavit, EC statement etc.) by the contractor to OIL at least three (03) weeks before the shipment date. OIL shall not be liable in whatsoever manner for the rejection of their claims for zero customs duty by any of the authorities due to any discrepancy in the documents submitted by the contractor. Similarly, Company / Append will issue requisite undertaking for transfer of EC, in respect of the goods already imported under Essentiality Certificate and to be transferred to this contract, on submission of clear, legible and valid documents by the Contractor to OIL.

Similarly, the domestic supply of such goods would attract 12% GST (i.e. IGST or CGST & SGST/UTGST) on submission of EC in terms of GST Notification no. 08/2022 dated 13.07.2022.

Contractor shall take note of the prevailing customs notifications including the latest amendment vide gazette Notification No. 02/2022-Customs dated 01.02.2022 while quoting their prices. Contractor 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. OIL shall issue the requisite undertaking/certificate on request from Contractor for availing concessional rate of customs duty only against the items explicitly covered under List-33 of Customs Notification No. 02/2022-Customs dated 01.02.2022 or against any other item(s) subsequently declared by the competent authority during the tenure of the contract to be duty exempted/concessional. However, in the event of refusal/denial by Customs Authority to accord exemption/concession of Customs Duty against import of items which are explicitly covered under List-33 of Notification No. 02/2022-Customs dated 01.02.2022, such applicable customs duty shall be reimbursed at actual by OIL to the Contractor on submission of documentary evidence.

Similarly, the items other than those appearing in List-33 of the said gazette

notification, if to be imported by the Contractor for the purpose of execution of contract against this tender, the same shall be considered as duty payable on merit basis and the applicable customs duty thereof is deemed to be included by the contractor 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 contractor 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. Contractor has submitted the list of items which are to be imported for execution of the contract against this tender as per Proforma-A. 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 contractor.

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

38.2 Contractor has provided the list of the items to be imported by the Service Provider them under the Contract will be as per the items to be imported as submitted in the format specified in Proforma-A along with their bid for issuance of Essentiality Certificate. Contractor shall made written request to Company immediately after shipment of the goods indicated by them in Proforma-A, along with the Invoices and all shipping documents (with clear 15 working days' notice) requesting Company for issuance of the Essentiality Certificate. Company shall issue the Essentiality Certificate 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 Customs and clear the goods through customs. Company shall not be liable in whatsoever manner for the rejection of their claims for zero customs duty by any of the authorities. Contractor shall indemnify Company from all liabilities of Customs Duty.

38.3 All imports and import clearances under the contract shall be done by the contractor and Company shall not provide any assistance in this regard.

38.4 However, in the event customs duty becomes leviable during the course of contract arising out of a change in the policy of the Government, Company

shall be liable for payment of the customs duties leviable in India on Contractor's items as provided in Proforma-A or the actuals whichever is less, provided Contractor furnishes all necessary documents indicating the estimated customs duty at least 10 days in advance. Such payment of Customs Duty shall be arranged by Company and made available to the representatives of Contractor within 3 working days after Contractor submits the undisputed and clear necessary documents / duty assessment papers. Contractor would be responsible for passing such payment to customs authorities at the port of entry. Company's obligation for Customs Duty payment shall be limited / restricted to the tariff rates as assessed by the Customs on the day of clearance, or as on the last day of the stipulated mobilisation period. In case of clearance thereafter, on the CIF value of items in Proforma-A will be frozen and any increase in Customs Duty on account of increase in value on these will be to the Contractor's account. Furthermore, in case the above CIF value is not acceptable to assessing Customs Officer and as a result if any excess Customs Duty becomes payable, it shall be to Contractor's account. Before filing Bill of lading, Bill of entry, the Contractor must consult the Company to avoid payment of excess Customs Duty.

38.5 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.

38.6 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 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 Essentiality Certificate.

38.7 In the event of refusal / denial by Customs Authority to accord exemption / concession of Customs Duty against import of items which are explicitly covered under List-33 of Notification No. 02/2022-Customs dated 01.02.2022 or non-issuance of Essentiality certificate in terms of GST Notification no. 08/2022 dated 13.07.2022 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.

39.0 SUSPENSION AT COMPANY'S REQUEST:

The Company shall have the right, without cause, at any time to require the Contractor to suspend the work under this Contract on giving notice to the Contractor specifying the estimated duration of the suspension period. The work shall resume at the end of suspension period or such other date as the Company may specify to the Contractor by notice in writing. During the suspension period, Contractor shall be paid 'Suspension Rate (SR) for Acid Treating /Fracturing Services @ 75 % of ISDR and Personnel Day rate, as applicable, as per Schedule of Rates. The Company shall notify the Contractor, whether it requires the Contractor to store the Equipment at the Drilling Unit or at Shore. The total suspension period during the Contract duration shall not exceed a maximum 2 (two) months. The Company, at its discretion, may add back such suspension period to the original Contract duration at the same rates, terms and conditions by giving 30 (thirty) days' notice to the Contractor before the expiry of the Contract. However, beyond the said period of 2 (two) months, the suspension period may be extended by the parties at mutually agreed rates, terms and conditions.

40.0 RE-EXPORT:

The Contractor shall complete re-export formalities upon completion/ termination of this Contract against all such items which were brought into India on re-exportable basis and provide the list of the items, equipment, consumables etc. to Company along with all relevant export documents. It will also be the sole responsibility of the Contractor to ensure cancellation & discharge of all undertakings/bonds from Customs authorities within 10 days which were provided by Company at the time of import against this contract. De-mobilization will not be considered completed, till re-export of all equipment and documentation with customs and other regulatory authorities are completed fully and submitted to Company.

41.0 MATERIALS, SUPPLIES, EQUIPMENT & SERVICES:

For all services rendered or materials supplied to Company by Contractor at Company's request, which services or materials are the obligations of the Company, the Contractor shall charge the Company for actual costs as supported by vendor's invoice plus 7.5% fee on FOB value for each procurement costing up to US$ 60,000 and 5% for each procurement costing more than US$ 60,000, thereon to cover costs on account of such procurement and actual cost for services. In addition, transportation costs paid and / or incurred would be reimbursed at actuals against documentary evidence. Company will provide Essentiality Certificate for availing Customs duty exemption. Any equipment, materials, or supplies purchased by Contractor on account of Company shall thereafter become the property of Company upon payment by Company.

42.0 TRAINING REQUIREMENT OF PERSONNEL:

42.1 All the crew members should have undergone Personal Survival Training (PST), Fire Prevention & Fire Fighting (FPFF) Training/Basic Fire Fighting Training (BFF), Personnel Safety and Social responsibility (PSSR) and Elementary First Aid (EFA) from DGS approved agencies, and OPITO approved Helicopter Underwater Escape Training (HUET).

Or

All the crew members should have undergone OPITO approved BOSIET – Basic Offshore Safety Induction and Emergency Training (with EBS), which should cover at least PST, FPFF/BFF, PSSR, EFA, HUET.

No personnel shall be allowed to go on offshore rigs / marine vessels without undergoing the above training.

42.2 Additionally, they should have undergone training related to their work profile and for safety while working in areas with hazard of H2S presence.

43.0 NOTICES:

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

For Company

a) For contractual matters: Chief General Manager (C&P), OIL INDIA LIMITED, Kakinada - 533004, Andhra Pradesh, India Email: kgbasin@oilindia.in

b) For technical matters
Dy. General Manager (Production), OIL INDIA LIMITED, Kakinada - 533004, Andhra Pradesh, India Email: kgbasin@oilindia.in

For Contractor: To finalized later

43.2 A notice shall be effective when sent by email (email sent date) or on the notice's effective date whichever is later. Either party may change its address by giving Written Notice to the other party.

44.0 The following insurance provisions under General Conditions of Contract stand amended as mentioned hereunder for the particular services under this tender/contract:

GCC Clause No.	Amended Clause
14.9	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 @0.5% of the Total Contract value shall be charged towards not fulfilling of the contractual obligations. Notwithstanding above, should there be a lapse in any insurance required to be taken by the Contractor for any reason whatsoever, loss / damage claims resulting therefrom shall be to the sole account of Contractor.
14.5	Waiver of subrogation: Except for the workmen'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, all insurance policies of the CONTRACTOR with respect to the operations conducted hereunder as set forth in clauses hereof, shall be endorsed by the underwriter in accordance with the following policy wording: "The insurers hereby waive their rights of subrogation against Oil India Limited or any of their employees or their affiliates and assignees to the extent of the indemnities undertaken by the Contractor under this contract".
14.6	Not Applicable against this tender/contract

45.0 Risk Purchase:

In the event, CONTRACTOR's failure to provide the services as per the Contractual scope, terms and conditions, COMPANY (OIL) reserves the right to hire the services from any other source at the CONTRACTOR's risk & cost and the difference in cost shall be borne by the CONTRACTOR. Further, OIL shall retain the right of forfeiture of Performance Bank Guarantee and any other action as deemed fit.

46.0 LIABILITY FOR THE WELL OR RESERVOIR:

Notwithstanding anything else contained herein to the contrary, the Company shall indemnify, and hold the Contractor and its Sub-contractors harmless 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) Any injury or death whatsoever, direct or consequential, arising from or in any way connected with such sub-surface Operations or in performing or attempting to perform any such Operations.
(iv) Provided that such injury, death, loss, damage etc. as stated in (i) to (iii)

above is not caused on account of willful misconduct or gross negligence of the Contractor or its personnel or any of its Sub-Contractor or its personnel.

PART-IV

(REVISED – Version 1)

SCHEDULE OF RATES

The Contractor shall quote their rates in the price bids as per the format given in Proforma-B. The quantities mentioned against each item in Price Bid Format/Price Schedule is for evaluation purposes only. However, payment shall be made for the actual work done. Bidder must also fill up the price break up as mentioned in the Proforma B1. However, offers will be evaluated based on the Proforma-B only.

1.0 Mobilization Charge for Acid Treatment / Fracturing & CTU-FPU Equipment:

Mobilization charges as lump sum amount against Acid Treatment / Fracturing and CTU-FPU equipment, as detailed in the SCOPE OF WORK / TERMS OF REFERENCE, SECTION-II, will be payable under following conditions:

(i) Mobilization charges shall become payable after the equipment, ready in all respects as per scope of work, including obtaining all statutory clearances (as applicable) are arrived at Contractor's Shore base at Kakinada and after on-hire survey by the Company Representative, which shall be no later than 05 (five) working days from the date of arrival/intimation by the contractor & provided it is certified by the Contractor and accepted by Company Representative and/or by Third Party Inspection agency that all equipment / items are in good working condition. Mobilization will be considered as completed on the date of successful inspection of all equipment (Acid/frac, FPU &CTU) and acids including all other chemicals for minimum 02 jobs along with necessary documents carried out by Company representative and/or by Third Party Inspection agency.

Mobilization will be considered as completed only when all equipment/tools are in good condition and are in readiness from all respect for sea-fastening in OIL's provided Rig at site as follows:

a. All operating Tools/equipment are tested/calibrated to its rated specifications to the satisfaction of Company.
b. Where appropriate all equipment and materials must be delivered on/in suitable skids, tool racks, baskets, containers, pallets, etc. as the case may be.
c. Dangerous goods and explosives must be suitably packaged, labelled, and otherwise marked according to all regulations and MSDS sheets should accompany the package.
d. Appropriate packaging must be utilized for all deliveries.

e. If appropriate, material must be suitably coated with a corrosion prevention material and be packed with a dehumidifier, both of which must be suitable for storage at ambient temperatures of 45ºC.
f. Bidder shall supply appropriate lifting gear for all equipment; current load test certificates for all slings, rigging and lifting gear will be required.

(ii) In case, the equipment (Acid Treatment / Fracturing, FPU &CTU) which require sea-fastening at rig are not sent to rig after on-hire survey due to any reason not attributable to Contractor, then ISDR Charges as applicable shall be payable **after 7 days onwards from on-hire survey date**, e.g., in case on-hire survey is done on Day 1, then ISDR Charges shall start from Day 8. However, if any of the Equipment / Tools of the above service(s) are found to be defective or not in operating condition as per its intended operations during hookup or pressure testing or startup / commissioning operations at Offshore Drilling Rig, the ISDR charges shall be revoked from the date of consideration till the Equipment / Tools / Services are brought into operation.

(iii) Mobilization charges are inclusive of transportation, sea/airfreight, loading/unloading, shipping, wharfage/demurrage and harbour fees, port or airport fees, packing and handling charges, permit, import clearance charges and all insurance adequate to cover the shipment from the place of origin until arrival at Company's Shore Base at Kakinada where equipment is ordered to be mobilized.

(iv) The total mobilisation cost shall be capped to 7.5 % of the total contract cost. In the event of quoting more than 7.5% of total contract cost, the differential amount above 7.5% will be payable at the end of contract.

(v) The Company will issue EC as required for custom clearance as the service will be used in PEL/ML area, only on receipt of request from the Contractor and all such requests must be made by the Contractor well in advance, so that the Company can make necessary arrangements for providing the documents in time without causing any delay for the customs/port clearance.

(vi) Contractor to ensure sufficient backup tools/spares/consumables /personnel/equipment over and above the minimum quantity specified in the SOW for ensuring uninterrupted operation.

2.0 <u>Charges for Sea fastening and Marine Warranty Surveyor (MWS) Approval for the hired equipment:</u>

Company shall provide space in Drilling Rig, as applicable, for sea-fastening of the Acid treatment /fracturing, CTU-FPU equipment. This charge shall be payable as Lump sum for obtaining necessary approval from Rig / Marine Warranty Surveyor as applicable, completion of spotting, sea-fastening and sea de-fastening works etc., for the contractor's equipment in OIL's provided Rig within the stipulated timeline as mentioned in the SOW/TOR of the contract. Except the charges for sea-fastening of stimulation/frac and Marine Warranty Surveyor Approval for the contractor's equipment, no other charges shall be payable during the period of sea fastening / Sea de-fastening works for Acid treating/ fracturing, CTU & FPU equipment at Rig as the case may be.

The Acid treating/ fracturing equipment and CTU-FPU equipment shall be placed at the Rig.

Further, 80% of the charges shall be paid after completion of sea fastening works in Rig for acid treating/frac equipment and CTU-FPU along with obtaining necessary MWS approvals and the remaining 20% will be paid after completion of de-fastening works at OIL's provided Rig.

3.0 <u>Charges for Interim De-Mobilization and Re-mobilization of equipment for Acid Treatment / Fracturing and CTU-FPU:</u>

The charges are payable to the contractor after completion (if advised) of interim demobilization and subsequent interim re-mobilization of Acid Treatment / Fracturing Equipment and / or CTU – FPU equipment stipulated in the SOW/TOR of the contract and as per advice issued from the company. Post completion of Acid Treatment / Fracturing job and / or CTU – FPU job in any well, the company may advise the contractor for interim demobilization and subsequent remobilization, separately against each set of service packages, depending on ongoing activity in the next well.

The contractor will ensure that interim demobilization is completed, and the Company's Shore Base is cleared-off Contractor's property within 03 days from the date of offloading at the Company's shore base.

The contractor will ensure that interim remobilization at Company's shore base is completed within 15 days from the date of notice.

No other charges shall be payable during period between Interim De-Mobilization and Re-mobilization of equipment.

In case the interim demobilized equipment is not called for interim

remobilization, then the interim demobilization notice shall become the final demobilization for respective equipment.

4.0 <u>Demobilization charges for Acid treatment/fracturing and CTU-FPU equipment</u>:

The demobilization charges (Lump sum) for the complete set of equipment for both the Acid treatment/fracturing and the CTU - FPU shall be payable separately, after issuance of the demobilization advised from the company under following conditions:

(i) The Contractor shall arrange for and execute demobilization of the Acid treatment/Frac Services & CTU-FPU Services upon receipt of notice from the Company. The above services shall be demobilized after issuance of Demobilization notice and offloaded at the OIL's shore base where it was initially mobilized as per the Contract.

(ii) Demobilization charges shall be quoted separately on lump sum basis against each for (a) Acid treatment/Frac Services & (b) CTU-FPU Services and shall include all expenses for demobilization of the Services from the Company's Shore Base at Kakinada to Contractor's base in India or abroad.

(iii) All charges on Tools / Equipment / Spare / Accessories etc. shall cease to exist with effect from the day the Contractor is issued de-mobilization notice by the Company and Tools / Equipment / Spare / Accessories etc. are offloaded at the Company's / Contractor's shore base where it was initially mobilized as per the Contract. The contractor will ensure that demobilization is completed, and the Company's Shore Base is cleared-off Contractor's property within 03 days from the date of offloading at the Company's shore base.

(iv) The demobilization charge will include all expenses for inland transport, sea freight/airfreight, loading and unloading, shipping, wharfage and harbour fees, port or airport fees, packing and handling charges, permit or octroi charges (if any), export clearance charges and all insurance adequate to cover the shipment until arrival at Contractor's base in India or abroad.

5.0 <u>Individual Service Day Rate (ISDR) charges of acid treatment/frac equipment and CTU-FPU equipment</u>

(i) Contractor shall be paid ISDR charges individually for the acid treatment/frac equipment & CTU – PFU equipment as per conditions stipulated in the scope of work, SCC and respective price schedules. ISDR

charges will be payable for full day or part thereof on pro-rata basis up to the nearest hour and shall commence after completion of the mobilization and made ready in all respects to start operations as described in clause 1.0 of SoR above.

(ii) ISDR charges of CTU-FPU equipment and acid treating/frac equipment placed on Rig will continue till offloaded at the Company's Shore base at Kakinada as per the Demobilization notice.

(iii) In case, the equipment (Acid Treatment / Fracturing, FPU &CTU) which require sea-fastening at rig are not sent to rig after on-hire survey due to any reason not attributable to Contractor, then ISDR Charges as applicable shall be payable **after 7 days onwards from on-hire survey date**, e.g., in case on-hire survey is done on Day 1, then ISDR Charges shall start from Day 8. However, if any of the Equipment / Tools of the above service(s) are found to be defective or not in operating condition as per its intended operations during hookup or pressure testing or startup / commissioning operations at Offshore Drilling Rig, the ISDR charges shall be revoked from the date of consideration till the Equipment / Tools / Services are brought into operation.

(iv) ISDR charges shall not exceed 75 % of the respective OCDR charges. In the event of quoting more than 75% of the OCDR, only 75% of the OCDR will be paid.

(v) Break Down clause as per SCC will be applicable if contractor's tool/equipment fails to perform its intended operations until the tool/equipment is back in operating condition.

(vi) From the date of OIL's hand-over of rig space for spotting & sea-fastening of Acid Treatment / Fracturing, FPU &CTU equipment till completion of sea-fastening jobs, no ISDR charges shall be paid for the Acid Treatment / Fracturing, FPU &CTU equipment. Similarly, ISDR charges shall cease to exist from the date of offloading of Stimulation equipment from the vessel at OIL's shore-base after issuance of demobilization notice.

(vii) At any point of time, either ISDR Charges or OCDR Charges will be payable.

6.0 Charges for formulated Acids and all Other Chemicals

The charges for the formulated Acids and all other chemicals as per job requirement of formulated acid per bbl and shall include the cost of all necessary chemicals for preparation of the fracturing fluid. The charges are payable against the actual volume of formulated acid pumped into the well.

Price Break up of each acid and chemical shall be provided as per Proforma B1 for OIL's reference.

7.0 Operating Component Day Rate (OCDR) for acid treating/fracturing and CTU-FPU Equipment:

Under the contract, the Contractor shall be entitled to Operating Component Day rate (OCDR) charges as detailed below. The OCDR will be payable for full day or part thereof on pro-rata basis up to the nearest hour and these rates are inclusive of spares etc., if required for the successful execution of the work.

(i) The OCDR for acid treating/Fracturing services shall be payable for the period when the equipment are setup and pressure tested at site, ready for operation, hooked up with the flow head and the fluid is pumping into well.

(ii) The OCDR for CTU-FPU services shall be payable for the period when the surface equipment are setup, CT rigged-up, head & all lines pressure tested, ready for operation and the CT-tool (BHA) is below the rotary table (BRT) till the CT-tool (BHA) is pulled out of the hole.

(iii) If the Bidder's tool/equipment fails to perform, for any reason in the duration of operation, then zero rate shall become payable for the entire services until the equipment/tool is put back into operating condition or evidence by demonstration of operation in actual tests or use to the satisfaction of Company. If the equipment couldn't be brought into operation within 2 hours, then Break Down clause as per SCC will be applicable.

(iv) At any point of time, either OCDR or ISDR Charges will be payable.

8.0 CHARGES FOR PERSONNEL DAY RATE

Company shall pay the Contractor the quoted DAY RATE CHARGES to following minimum service personnel.

A. Acid treating/fracturing Crew:

Stimulation Engineer	1
Stimulation Supervisor	1
Equipment Operator	2
Laboratory Technician	1
Mechanic Technician	1
Electronic Technician	1

Helpers	2
Data Acquisition Specialist	1

B. CTU Crew:

Coil Tubing Engineer	1
Coil Tubing Services Supervisor	1
Coil Tubing Operator	1
Coil Tubing Operator Assistant	2

Notes:

i) The above manpower is for 24 hours operation on shift basis.

ii) The quoted day rate of the service personnel shall be all inclusive of their local travel, boarding, lodging at contractor's facility and travel expenses for change of manpower against their due rest only.

iii) In addition to the above manpower, the Base Manager shall be engaged from start of the kickoff meeting till completion of contract.

iv) The charges for the initial mobilization, interim de-mob / re-mob (if issued by the Company) and the final demobilization shall not be excluded.

v) The Company shall provide transportation from Company designated Heli-base to the Drilling Rig. The Company will also provide accommodation and food while the personnel is on the Drilling Rig.

vi) Any day rate charges for personnel will be paid only when on the Drilling Rig. If any person/personnel are mobilized/ remobilized to the Company's Shore Base or offloaded from the Drilling Rig by the Company due to any other reason or contingencies at the Company's request, the Company shall pay only the quoted day rate which will be inclusive of local travel, boarding, lodging, etc.

vii) Personnel charge of Service Personnel shall be 24 hours a day (pro rata basis for part thereof up to the completed full hours only) basis.

viii) Personnel will be required on a call out basis. Company shall give a maximum of 07 days' notice.

ix) Only key personnel are mentioned in the Contract. Optimum utilization of the supporting personnel is the responsibility of the Contractor.

9.0 Zero rates, Force Majeure Rates and Penalty

In an event wherein contractor fails to execute the acid treating/fracturing operation or CT operations due to any reason attributable to the contractor, Zero rates shall be applicable for delay for those period. In addition to the Zero

rates, penalty shall be imposed and recovered from contractor as per Clause no. 7.0 of SCC.

Force Majeure Day rate shall be 50% of the ISDR Charge.

KG Basin Project
D. No. 11-4-7, 3rd Floor,
Nookalamma Temple Street,
Ramarao Peta, Kakinada
Andhra Pradesh-533004, India
Email: kgbasin@oilindia.in

AMENDMENT NO. 02 DATED 13.08.2025

TENDER NO. GEM/2025/B/6372256

DATED 23.06.2025

Sub: Hiring of Modular Stimulation service package on Call Out Basis for carrying out Acid Treatment/ Fracturing & CTU Services.

This addendum to the tender has been published for incorporating the following:

1) Revisions in the Forwarding Letter:

Clause ref.	Existing Clause	Amended / Modified Clause
(h) Bid Security /EMD Amount	INR 1,90,58,000.00 /- (Regarding exemption from submission of bid security/EMD, bidder to refer Clause 9.0 of Instruction to bidders)	**INR 1,15,70,000.00 /-** (Regarding exemption from submission of bid security/EMD, bidder to refer Clause 9.0 of Instruction to bidders)
(p) Mobilization Time	• Phase-I, Kickoff Meeting : Within 10 days from the date of LOA • Phase-I, Data Collection, Study, Design & report submission with presentation: Within 30 days from the date of LOA. • Phase-II, HF Fleet including bare minimum consumables for 3 jobs: Within 60 days from date of issuance of Mob Notice • Phase-II, CTU-FPU services: Within 80 days from date of issuance of Mob Notice For further details, respective clauses of SoW and SCC to be referred.	• Kickoff Meeting & Data Collection - Within 10 days from the date of Mobilization Notice. • Acid Treating/ fracturing Fleet including bare minimum consumables for 2 jobs - Within 60 days from date of issuance of Mob Notice • CTU-FPU services.- Within 75 days from date of issuance of Mob Notice • Removal of equipment - Within 7 days from the date of issuance of De-Mob Notice For further details, respective clauses of SoW and SCC to be referred.
(q) Duration of the Contract	09 months, extendable by another 03 months at the same rates and terms & conditions or for 02 wells in Andaman offshore blocks with a provision to extend the services for additional one well at the same rates	06 (six) months from the date and time of commencement, extendable by another 03 months at the same rates and terms & conditions or for 02 wells in Andaman offshore blocks with a provision to extend the services

Clause ref.	Existing Clause	Amended / Modified Clause
	and terms & conditions, whichever is earlier. However, for any ongoing job, the contract duration will get automatically extended till its completion.	for additional one well at the same rates and terms & conditions, whichever is earlier. However, for any ongoing job, the contract duration will get automatically extended till its completion.

2) The following documents of the tender has been revised and revised documents are enclosed:

i) Scope of work and technical specifications [ANNEXURE-III (PART-I)],
ii) Special conditions of contract [SECTION-III (PART – II)].
iii) Bid rejection criteria/bid evaluation criteria [SECTION -III (PART-III)],
iv) Schedule of rates [PART-IV],
v) Price bid format [Proforma-B]

3) Minutes of pre-bid meeting alongwith OIL's response to the pre-bid queries are enclosed.

4) Extension of Bid Closing and Technical Bid Opening Date:

Description	Existing Date & time	**Revised date & time**
Bid Closing Date & Time	19.08.2025 (at 15.00 Hrs. IST)	**03.09.2025 (at 15.00 Hrs. IST)**
Technical Bid Opening Date & Time	19.08.2025 (at 15.30 Hrs. IST)	**03.09.2025 (at 15.30 Hrs. IST)**

All other terms and conditions of the tender remains unchanged.

Thanking You,

Yours faithfully,
OIL INDIA LIMITED

Sd/-
(AMRIT L BORA)
CHIEF MANAGER (C&P)
FOR CHIEF GENERAL MANAGER (C&P)
FOR CHIEF GENERAL MANAGER (KGB & MBP) -HOD

Date: 13.08.2025

SECTION - III (PART-I)

REVISED

SCHEDULE 1

SCOPE OF WORK AND TECHNICAL SPECIFICATIONS

MODULAR STIMULATION SERVICES PACKAGE FOR ACID TREATMENT/ FRACTURING & CTU SERVICES

OIL intends to hire Modular Stimulation equipment package for carrying out Acid Treatment / Fracturing and Coil Tubing operations in 02 (Two) offshore wells of AN-OSHP-2018/1 & AN-OSHP-2018/2 blocks in Andaman-Nicobar Offshore area, India with another 01 optional well in Indian Waters as mentioned below **on call out basis** as per requirement.

To provide services for stimulation through acid treatment / Fracturing / multi-stage acid fracturing jobs and CTU assisted services like cleanout, milling of cement plugs, activation, Nitrogen activation services (NPU Services will be provided by company from well testing services) in exploratory offshore wells in AN-OSHP-2018/1 & AN-OSHP-2018/2 blocks in Andaman-Nicobar Offshore area, India. The Bottom clean out & Activation shall be done with Coiled Tubing and Nitrogen unit placed on the Rig platform. The acid job /fracturing shall be done employing Modular stimulation equipment package either on Semisubmersible / jack up rig or by mounting on the vessel provided by OIL. OIL may, however, utilize this contract for any of the wells of the same block or any other blocks based on its sole discretion.

SCOPE OF WORK

To Design and provide Acid Treatments/ Fracturing services in exploratory offshore wells of Andaman & Nicobar blocks in Eastern Offshore with all related equipment and chemicals with Semisubmersible / Jack up Rig / Modular Rig in place. The jobs shall be done either by positioning the modular stimulation package on Semisubmersible rig or jack up rig or by mounting the equipment on the DP II vessel / stimulation vessel provided by OIL and connecting pumping lines to the Semisubmersible Rig or jack up Rig available at that time. The vessel shall remain in Dynamic Positioning mode during the entire duration of job execution on all occasions.

To provide Modular Coil Tubing operations connected alone or with OIL's existing Nitrogen pumping services in exploratory offshore wells of Andaman & Nicobar blocks in Eastern Offshore with all related equipment and chemicals. The Bottom clean out & Activation shall be done with Coiled Tubing and OIL's existing Nitrogen unit placed on the Semisubmersible Rig / Jack up Rig. Coil Tubing assistance would also be taken for placing the Acid against the zone before the main acid/ fracturing treatment is pumped as per the job requirement.

Both the individual package(s) / services shall all be under one contract to provide & facilitate a single-point sourcing, invoicing and cost tracking function to OIL for all the Services under this contract with all necessary equipment, materials and services required by OIL that are to be supplied as part of the Contract, except where specifically stated as being provided by OIL.

It is not the intent of the Scope of Work and accompanying Technical Specifications to cover every component, sub-system, or minor detail of the equipment and outfitting on the vessel provided by OIL. Therefore, any material or parts, the omission of which would be detrimental to the serviceability of the equipment and the inclusion of which is generally accepted Good Shipbuilding / offshore operation Practice, shall be provided by the Contractor.

Acid Treatment / Fracturing Services:

Acid treatment/fracturing jobs shall be carried out in the zones / wells as part of the well program in reservoirs of Offshore Andaman field having well depths in the range of 3250 m to 4250 m. Multi-stage fracturing jobs shall also be carried out in each well, if required. Based on lithology, it is expected to carry out maximum 3 nos. of jobs in each well. Zonal isolation shall be by using bridge plugs or sand plugs with / without cement plugs. All operations shall be carried out through 10 K Modular stimulation package equipped with all required equipment, tools, chemicals and other consumable materials. Technical specifications of the equipment are given at **Attachment II**.

Technical specifications of all these equipment /packages should be capable of rig / Vessel based well operations also.

The stimulation jobs shall be performed on the semisubmersible rig as per the requirement and the modular stimulation equipment package shall be installed at semisubmersible rig or vessel provided by OIL for job execution depending on the type of rig / vessel. The duties expected from these equipment shall be as per **Attachment-I**.

The contractor shall carry out, Mobilization, Preparation and Execution of Acid Treatment / Fracturing of 02 Wells within 150 days from the date of issuance of mobilization notice as below:

Table - 2

Completion milestone	Elapsed time frame from the date of start of the job
A) Kick off Meeting at Kakinada and data collection	Within 10 days of Issuance of Mobilisation Notice
B) Arrival of Contractor's Stimulation Equipment at Shore Base for on hire survey	Within 60 days of Issuance of Mobilisation Notice
C) Onhire survey of Contractor's Stimulation Equipment	Within 65 days of Issuance of Mobilisation Notice
D) Spotting & Sea fastening of Contractor's Stimulation Equipment on OIL's Vessel	Within 80 days of Issuance of Mobilisation Notice
E) Arrival of Contractor's CTU-FPU Equipment at Shore Base for on hire survey	Within 75 days of Issuance of Mobilisation Notice
F) Onhire survey of Contractor's CTU-FPU Equipment	Within 80 days of Issuance of Mobilisation Notice
G) Acid Treatment / Fracturing Execution:	Within 150 days of Issuance of Mobilisation Notice

The contractor shall also make all effort to mobilize the contractor's equipment, tools, manpower etc., within the less time than mentioned above upon OIL's request on need basis.

The contractor shall submit the required work program for Acid Treatment / Fracturing according to which OIL shall carry out the well completion with 10K psi differential pressure retrievable Packer through OIL's existing well testing service contract to prepare the wells for Acid Treatment / Fracturing. As per the suggested work program, any requirements for Tubing string, DST (as applicable), retrievable packer and perforation shall also be provided by OIL. Any specific requirement for stimulation jobs like acid, solvent, scale removal etc. if required shall be mentioned in the proposal plan which shall be executed by the contractor. Such work program shall include, but not limited to, any specific requirement like perforation, tubing string details, pumpable volume, rate & pressure, packer setting depth, interdependent activity required from other service providers, execution timelines & methodology etc., **The final work program shall be approved by the COMPANY**. The contractor shall make necessary suggestions /changes, if required, as per OIL for finalization.

The responsibility for the mobilization of resources of the Contractor shall lie with the Contractor. The information and planning in this regard will be reviewed by Company for execution as per plan.

Inspection of site (at Vessel, port, Rig) prior to mobilization shall be done by contractor. All handling equipment and logistic support like crane, trailer/truck, fork lifter etc. required till company's shore base will have to be arranged by the contractor.

The sea fastening / fitment of the stimulation / hydraulic fracture equipment onto the vessel / rig will have to be arranged by the contractor.

The contractor has to make its own boarding and lodging arrangements along with the transport system for the mobilization/demobilization of its personnel on land.

Contractor to establish a base camp at Kakinada for storage of equipment / materials / maintenance etc. All responsibility of storage and handling will be on the Contractor.

Coiled Tubing Services:

Coiled tubing with associated equipment, tools and accessories shall be placed on the semisubmersible rig or jack up rig for carrying out milling / clean out / activation / stimulation / cement clearing jobs etc. required as per well program. Technical specifications of the equipment and tools are given at **Attachment II**.

Fluid Pumper Services:

Fluid Pumper Unit (min 10 K) with associated treating irons shall be placed on the semisubmersible rig or jack up rig or vessel in conjunction to work with CTU Services for milling / clean out / stimulation / cement clearing jobs etc. required as per well program.

Nitrogen Unit Services (Already available as OIL's Well Testing Services):

10 K Nitrogen unit with associated equipment, tools and accessories will be made available through OIL's existing well testing service contract and will be placed on the semisubmersible rig or jack up rig for carrying out activation jobs etc. required as per well program.

Services to be provided by the Contractor:

1.0 To provide experienced & competent personnel to perform Acid Treatment / Fracturing either rig based or vessel based (OIL shall provide Bare Boat PSV), Well clean-outs / Activation/ milling/ cement clearing / CT associated services with modular package of Coil Tubing on the rig and for all Stimulation Operations from the marine Vessel / rig in a professional manner following internationally recognized safe practices.

1.1 The Crew will be provided with personal protective equipment, operational and safety kits, which include but not limited to boiler suit, a helmet, a pair of safety shoes, safety goggles & earmuffs, etc.

1.2 Compliance of all statutory requirements of Govt. of India for expatriates.

1.3 All the personnel to be deployed in offshore should have the following training certificates:
   a. Personal Safety & Social Responsibilities,
   b. Proficiency in Elementary First Aid,
   c. Personal Survival Techniques, and
   d. Fire Prevention and Fire Fighting
   e. Helicopter Under water Escape Training
   f. H_2S (Hydrogen Sulfide) safety training

The above trainings have to be done from any of the DG Shipping approved Institute as per STCW'95 or amendment thereof required by DG Shipping or equivalent. Certificates of OPITO approved training meeting above requirements shall also be acceptable.

For expatriate personnel having training certificates from locations abroad, Contractor has to arrange the certificate endorsement from any of the DG Shipping approved Institute.

The validity of each certificate shall be considered as mentioned in the certificate issued by the Institute.

1.4 To provide a Base manager for co-ordination and follow up of Offshore Operations including vessel co-ordination for safe and timely job execution. The Base Manager will be responsible for smooth operations as well as maintenance of all equipment provided by contractor and deployment of complete crew. The Base Manager will have suitable office accommodation and all secretarial assistance required to enable him to carry out his responsibilities. Base Manager will be responsible for all matters arising out of this bid and ensuring smooth execution of the contract and will be the primary point of contact between the company and the bidder.

1.5 To keep Stimulation / Coil Tubing equipment & systems in readiness for operations at all times unconditionally. The contracted services / jobs may have to be carried out even at night on round the clock basis at all offshore installations. The necessary inventory of stores & spares needs to be maintained on the rig / vessel for uninterrupted operations. Certain spare Equipment with prior approval of OIL can be maintained at the shore base as well due to various constraints and incase of failure of primary equipment, time will be provided to contractor to fetch the backup from the Shore base. The responsibility includes customs clearance & payment of customs duty on the stores & spares imported for the operations and maintenance at the vessel (if applicable).

1.6 **RESIDUAL LIFE OF EQUIPMENT AND TOOLS:**

The residual life of all the Stimulation Equipment(s), Acid, FPU and CTU equipment shall not be less than 5 (Five) years as on the original bid closing date of the tender. The equipment(s) should have been re-certified by the third-party certifying agencies viz: LRDISI, ABS, Oilfield Audit Services Inc., DNV GL, Bureau Veritas India Pvt Ltd (BV) and OMCI in the last one year from the original bid closing date and the certificate shall be kept valid for the contract period. All credentials such as manufacturing documents, linking serial nos. embossed on the equipment's offered with detailed specifications, must be submitted before mobilizing the equipment and also at the time of on-hire survey.

1.7 **SUPPLY BASE:**

The Bidder's onshore supply base should be equipped with all the facilities which may be required if the equipment / tools are required to be changed / serviced/ repaired and which cannot be done at the Drilling rig. This requires good coordination between the Drilling rig / Vessel and the Bidder base during Acid Treatment / Fracturing Services. All costs associated with establishing and running such a facility will be to the Bidder's account.

The transportation of their equipment / tools from and to their supply base to OIL's Shore Base at Kakinada is Service Provider's responsibility at their own cost.

1.8 **TOOLS/EQUIPMENT/SPARES/CONSUMABLES:**

The Bidder shall provide tools/equipment for the complete services. Such equipment & tools shall be safe for operation meeting HSE / Statutory requirements and effective. The Bidder shall keep sufficient back up tools and equipment, spares, elastomers, redress kits, etc. in order to ensure uninterrupted services. An indicative list of tools and equipment are given in this scope of work. Any additional tools/equipment required to fulfil the scope of work but not covered in the list are also to be supplied by Bidder at no extra charge.

1.9 The Bidder shall provide complete Acid Stimulation/frac, FPU & CTU equipment (along with tools & accessories) and compatible X-overs, if required, suitable for well conditions along with operating crew to carry out acid treatment / fracking of the offshore wells. The Bidder shall provide the necessary documentation and equipment details as required by the Rig's Warranty Surveyor to get the same vetted and for the acceptance of equipment and their placement on deck, cooling requirements etc. The Bidder shall be responsible for ensuring that all the equipment provided satisfies Warranty Surveyors requirements/acceptance. If required, the bidder will be responsible for replacing the equipment to satisfy Warranty surveyor's requirements at no additional costs. Any certification required by the Rig / Vessel Service provider for onboarding the equipment on Rig / Vessel, the service provider shall comply the requirement without any additional cost implication to company. Bidder's all Equipment shall be Zone II compliant.

1.10 For Stimulation package vetting, following activities would be required:

Package on Rig / Vessel:

a) Submission of all documents stated in Warranty Surveyor's Memo on stimulation by the service provider.

   i. Stimulation Job Design Report including Process P&ID & Layouts
   ii. Any other Equipment details

b) Layout review to check the loading on the rig / vessel to ensure sufficient structural strength (Rig / Vessel service provider's responsibility).

c) Sea fastening Study to design adequate securing for all stimulation equipment, using 17deg list condition with an additional 10deg static angle applied to reflect inertial forces due to rig / vessel motions in the damage condition.

d) Sourcing of AR-AFFF Foam Monitors for firefighting.

e) Staging of all equipment at an onshore location for warranty Surveyor inspection prior to shipping, including certificates.

f) Offshore Inspection and Testing by warranty Surveyor after installation

A few key notes for stimulation service provider related to the above requirement:

a) Equipment must be Maritime Standard, i.e. Class society design compliant.

b) Equipment Certification by Classification Society must be up to date, i.e. inspection & testing records.

c) Ex Inspection compliance.

d) Bidder's F&G Detection and ESD shall be tied into the rig & vessel RCS for notification and shut down. ESD valves must be fire rated.

e) Layout must consider adequate escape ways.

f) For use of planned chemicals, special storing and handling from the arrival onboard and throughout operations is required.

g) All connections to rig / vessel equipment (i.e. choke manifold) must have minimum double block & bleed isolations installed

1.11 The following reports are to be submitted through Base Manager. Formats for the reports will be supplied at the time of actual deployment. This reporting system can be modified by OIL at their discretion to meet any requirements:

a. Daily Safety Report
b. Daily Equipment Status Report,
c. Daily Report giving all the details on Stimulation Jobs, Coil Tubing Jobs
d. Daily Chemicals/Fuel Consumption Report
e. Occurrence Report for Major Incidents (Weekly)
f. Daily Near Miss Report
g. Investigation/Remedial Reports for Major Incidents
h. Any other reports that would be introduced by OIL as per the requirement.

1.12 To report any unusual occurrence noticed breakdown, accident and operational issues with equipment etc. immediately to OIL by written confirmation and should be followed by detailed investigation/remedial report.

1.13 The area of operations is normally the Andaman Offshore area. However, depending upon job requirement, these equipment may be deployed anywhere in Indian waters.

1.14 In case of vessel based stimulation operations, OIL shall provide the DP II vessel. Bidder has to carry the fitment of modular stimulation equipment on the vessel within the stipulated time by practicing the highest safety standards and the standard operating procedures. All these equipment to be functional tested individually and wet test has to be carried out. Bidder has to ensure to obtain satisfactory report of successful wet test from OIL before taking up each well for stimulation job. All applicable cost towards necessary marine warranty surveyor inspection and or statutory clearances for bidder's equipment shall be borne by the contractor without any additional cost to company.

1.15 To keep pressure test/functional test reports of the Stimulation Equipment & other equipment of the campaign at all the times by periodical surveys by respective agencies.

1.16 The equipment should have Safety Management System in compliance with prevailing environments as a statutory requirement since all wells are tentatively gas wells (presence of CO2 and H2S were not encountered in last well).

1.17 The successful bidder will submit a detailed project execution plan to the company on the day of kick-off meeting. The Company will review the same and advise the Bidder if there are any comments or suggestions, returning a marked-up copy, if required. The Bidder will incorporate all the comments and resubmit for final approval. The Project Execution Plan will be consistent with the requirements of the Contract and this Scope of Work.

1.18 The official language of the Contract will be English. Accordingly, all written & verbal communications will be in English only.

1.19 The Contractor will take all necessary measures to protect the personnel, work and facilities and will observe safety rules and regulations of OIL provided to the Contractor. No smoking or flames will be permitted while working on or nearby the Unit handling hydrocarbon or where the atmosphere contains explosive mixture. No hot job will be carried out while working in hazardous areas without written hot permit from OIL.

1.20 The Contractor will report as soon as possible any evidence, which may indicate or is likely to lead to an abnormal or dangerous situation and to immediately take emergency control steps to avoid any abnormal situation.

1.21 Regular meetings will be held for better interaction & coordination on compliance to the Contractual requirements. The Contractor must ensure participation of Base Manager and any other concerned personnel for the referred meetings. Prior approval should be obtained for the substitute base manager.

1.22 Consumption of alcohol & drugs and photography are strictly prohibited onboard vessel & rigs. Any breach of this discipline will be viewed seriously and the personnel found guilty will be deported. The Contractor will replace any of the crew personnel deported on this account at their own cost.

1.23 The Bidder will provide interface management to ensure resolution of all technical issues encountered at any interface between itself and the Company's other Bidders / contractors such as that for Flow Head, DST equipment supplier or completion equipment supplier, well testing equipment, Nitrogen pumping unit, Completion/ Drilling Fluids supplier and any other Testing related services, and will prepare, organize, monitor, and participate in Interface Meetings, wherever necessary.

1.24 The proposed deployment of the hired equipment and personnel commences from the date of completion of mobilization and will be valid for a contract validity period and extend till the actual date of completion of operation under progress in the well, whichever is earlier.

1.25 The equipment will be technically in operating conditions throughout the contract period.

1.26 In case the CONTRACTOR's equipment does not operate on any day due to technical problem of OIL, standby rate will be payable for such non-operating day.

1.27 **Services to be provided by OIL**

OIL will provide the following services at their expense for the execution of the Contract:

1.27.1 Transportation of crew to & fro from Offshore through OIL's helibase /offshore designated base.

1.27.2 In case of vessel based stimulation services, DP II vessel shall be provided by OIL equivalent to vessel "Prachi / Executive Valour / any suitable Vessel".

1.27.3 Nitrogen Pumping Unit with crew and consumables required for flow-back operations will be provided by company from existing well testing services.

1.27.4 To make available to the Contractor's personnel, when present in the Offshore, medical assistance as available in case of emergencies including medical evacuation to base if required.

1.27.5 To use OIL's communication facilities at offshore for coordination with Contractor Base/ OIL office.

1.27.6 To provide supply vessel assistance for transportation of Contractor's materials to and fro from Offshore through OIL's base including loading and unloading facilities at both the ends.

1.27.7 To provide Fuel (HSD) and Drill Water for stimulation operations. However, the POL other than fuel will be supplied by the contractor.

1.27.8 Transportation of chemicals for Acid treatment / Fracturing to & fro from Offshore through OIL's onshore supply base.

1.27.9 Transportation of chemical and equipment package for CTU equipment to & fro from Offshore through OIL's onshore supply base.

1.27.10 To provide jetty & Crane assistance while modular stimulation package is installed / fitted / removed / uninstall on the vessel / rig.

SCHEDULE 2

Installation of Modular Stimulation Package on Vessel

2.1 (a) Installation and Dismantling of Contractor's Modular Stimulation Package on OIL's Vessel:

OIL shall provide a support vessel with minimum DP2 capability having deck area approx. 650 – 700 m2 (equivalent to Prachi / Executive Valour / any suitable Vessel). Bidder shall propose a modular stimulation package spread to be installed on such a vessel & specify the number of days required for fitment to take up the job and dismantling from the support vessel after completion of well.

The "Wet Test" of stimulation equipment package will be carried out at onshore as a part of on-hire survey / marine warranty survey as applicable. After wet test at Onshore, stimulation Equipment package will be installed on OIL designated vessel and Wet test shall be carried out as per jobs requirement.

After completion of on-hire survey, within 3 days OIL will provide the DP vessel as mentioned above. However, if it fails, standby (ISDR) charges will be paid for the days till the DP vessel arrives at jetty and ready to take equipment for fitment purpose. Once the loading of equipment starts for fitment / installation then only lump-sum fitment charges will be applicable for the entire duration of fitment and successful wet test after fitment. Bidder needs to complete the mobilization of equipment, wet test at onshore, installation and wet test at offshore.

Bidder shall provide the detailed activity plan for mobilization, wet test, fitment and wet test on the vessel.

Bidder has to make suitable arrangements for storing Dry / Liquid chemicals to keep them in good & usable condition in all weather conditions.

In addition to the above, on main deck aft side, **minimum 50 m2 area** should be available for the purpose of passenger transfer and within the reach of Ship crane & Rig Crane. This area should be clearly marked and will be dedicated for the purpose of passenger transfer and free from any obstruction.

General arrangement plan indicating main deck area with dimensions should be submitted by bidder. For drafting the layout plan specifications of vessel Prachi / Executive Valour / any suitable Vessel can be taken as basis.

All the above mentioned material/passenger transfer areas (to and from Rigs) will be clearly visible from wheel house for safe handling of the operations.

Bidder shall provide the detailed activity plan for dismantling the equipment from the OIL's provided vessel / Rig.

Bidder shall complete the dismantling of equipment from the OIL's provided vessel / rig within **05 days** from the date of de-mobilization notice.

2.1 (b) Installation and dismantling of contractors modular stimulation package from Semisubmersible rig / jack up rig

OIL will provide a rig space with approx. 400 m2 free space on main deck to install the stimulation fracturing CTU-FPU package. Bidder shall propose a modular package spread to be fitted on such a **Semisubmersible rig or** jack up rig. For reference Blackford Dolphin Semisubmersible Rig can be considered for deck space.

Bidder needs to complete equipment installation & wet test on the rig within 03 days from the date of company's advise to commence operation after boarded to Rig.

2.2 Communication

- Bidder shall have VHF radio sets and minimum 10 Nos. of Intrinsically safe walkie-talkies to have proper and adequate communication.

2.3 Other Equipment:

- Should have at adequate quantity of required Iron, fitments, changeovers & connections for offshore stimulation job rig up / well head connection. All changeovers are to be integral and working pressure of 10000 psi with Test Certificates indicating the API Grade.

- All connections, required manifolds and transfer hoses for loading Acid, Water & HSD at Shore Base. Transfer pumps with transfer hoses and air hose connections for handling / transferring liquid chemicals at Shore Base.

- Open venting of Acid fumes and fumes of all chemicals & blends is strictly prohibited at all the times. Proper venting system will be provided to vent these fumes to water level.

- Minimum 02 no. of pressure sensors (0-10000 PSI) along with data acquisition system (wired / wireless) to be provided for simultaneous pressure reading from 02 locations at Well head area.

- Minimum 100 Meters length Flexible Rubber hoses (2"/4"/3"-10000 Psi working Pressure) capable of handling stimulation chemicals for pumping purposes (other than coflexip hoses) along with handling tools & equipment. Any shortage in length of flexible rubber hoses shall be made by the contractor to connect from vessel to rig or within the rig.

- All other material required for proper performance of the contract should be adequately available onboard. List of such equipment should be included in the bid.

SCHEDULE 3

3. CONTRACTOR'S PERSONNEL

3.1 Personnel to be mobilized under regular category

The Contractor shall provide crew for Stimulation / Acidization services and CTU services.

The contractor personnel will include the crew for acid fracturing, Acidization & CTU - FPU Operation. The competence, number and category of technical personnel may be decided by the Contractor to ensure satisfactory performance of all the equipment during the contract period.

The Contractor should indicate the minimum number of personnel of each category who will remain onboard the Vessel / Rig for execution of acid / fracturing jobs and pre & post stimulation operations / Acidization / CTU operations etc. and at base for management / project co-ordination and their experience should be as per **Attachment-III**.

For each acid stimulation/ fracturing / CTU-FPU, the contractor will mobilize the operating personnel within 7 (seven) days from the date of intimation. Personnel charges will be applicable from time the personnel arrive at location (OIL Base / Rig / Vessel/ well site) and will cease the time the personnel leave location (OIL Base / Rig / Vessel / well site) after completion of job. Transportation of personnel to and from offshore rig / Vessel and OIL base (Kakinada) will be done by OIL. All local transport, base accommodation, agency fee etc. during the entire period of the Contract for both expatriate and Indian national personnel will be borne by the Contractor.

3.2 INFORMATION TO CONTRACTOR

3.2.1 The Contractor should provide as and when required by Company the Personnel with minimum required qualifications and experience as stipulated in **Attachment-III.**

3.2.2 The qualifications and experience of the CONTRACTOR's personnel, as required as per **Attachment-III**, will be checked / verified by the COMPANY, or by the COMPANY's certifying agency, at any time during the contract period. Any of the CONTRACTOR's personnel found not having the qualifications/ experience, as per **Attachment-III** for their job category will not be treated as part of the crew for such period and shortage will be treated as per Clause 7.3.3 of Schedule-7. OIL has every right to stop the operations if the deployed crew is found not competent or his actions jeopardizes safety of operations and will be dealt with severe penalties and immediate replacement.

3.2.3 The CONTRACTOR shall submit the resumes of all regular and call out personnel to the COMPANY for approval at least seven days before they are due to join the vessel/ rig (for CTU - FPU, if applicable). Such resumes shall be complete with all required details. The date of submission of resumes complete in all respect will be the date of accepting the resumes for processing further for issue of NED pass/ deployment for operations.

3.2.4 Copies of all relevant certificates will be submitted to the COMPANY, for verification of qualifications, at the time the person is mobilized.

3.2.5 All personnel to be deployed offshore should possess training certificates as required by DG Shipping like Personal Survival Techniques (PST), Personal Safety & Social Responsibilities (PSSR), Elementary First Aid and Fire Prevention & Fire Fighting. All personnel deployed offshore should also have undergone Helicopter Underwater Escape Training (HUET) and H2S Safety Training.

3.2.6 All personnel should possess attested Xerox Copies of their certificates while on duty onboard the vessel/rig offshore location.

3.2.7 Contractor should ensure that all individuals deployed by them fulfill the minimum requisite criteria as well as any applicable National or International regulations including Health Safety and Labor Welfare Laws as well as security procedures.

3.2.8 Any other person required by the contractor for carrying out the scope of work as per **Schedule-1** of Contract may be deployed on board at the cost of the contractor, after obtaining approval of OIL.

3.2.9 OIL reserves the right to remove any individual as per this Scope of Work & Special terms and Conditions of Contract.

3.2.10 If at any stage it becomes known that the individual deployed by the contractor was not fulfilling requisite qualification / experience criteria, then irrespective of whether the individual was previously approved or not by OIL, the payment made if any for such individual will be recovered from the contractor.

SCHEDULE-4
BASE SUPPORT PERSONNEL

The CONTRACTOR has to provide representative at OIL base for co-ordination of the acid stimulation / fracturing, CTU - FPU operations, including all equipment and personnel. Representative at Base shall co-ordinate the design & the operational strategy of the above mentioned operations at OIL base. Base representatives of the CONTRACTOR shall prepare procedures, reports etc. of international standard for the operations / equipment on rig. The personnel requirement to accomplish the above shall be decided by the CONTRACTOR.

Minimum one Base representative has to be provided. The Base representative will be required to attend operational meetings and other meetings called by the Company for design, planning and execution of operations at Rig/Vessel without any cost implications to OIL. The absence of the key personnel from such meetings, without prior approval from Company, will be considered as crew shortage and will be treated as per **clause 7.3 of Schedule-7**.

SCHEDULE-5

REPORTING (AT NO ADDITIONAL COST TO THE COMPANY)

The reporting system as per scope of work (Schedule-1) will be adopted and may be further modified by the Company at any time to meet the work requirements.

SCHEDULE-6

6.1 MATERIAL, SUPPLIES, EQUIPMENTS, SERVICES AND PERSONNEL TO BE FURNISHED BY CONTRACTOR

The Contractor will supply all material, consumables, equipment, services and personnel, necessary to carry out his obligations under this Contract and will be responsible for the timely ordering and delivery of all such material, consumables, equipment, services and personnel to ensure un-interrupted performance of work. Any down time on this account will be at the Contractor's cost.

6.1.1 Material, Supplies and Equipment

6.1.1.1 The material, consumables and equipment which the Contractor supplies shall be in good working condition and the Contractor shall be solely responsible for such material, consumables and equipment. The Company reserves the right to accept or reject any material, removal from the work site of any material, consumables found defective. Any downtime on this account will be at the Contractor's cost.

6.1.1.2 Maintenance of the Contractor's equipment will be at expense of and be carried out by the Contractor.

6.1.1.3 Consumables required by the Company & which are to be provided by OIL as per the terms of the contract under this agreement will be provided by the Contractor for which the Contractor will be paid service charges of 7.5% of FOB price in case of imported consumables and at the rate of 7.5 % of ex-works price in case of indigenous consumables, in addition to reimbursement of actual price against documentary proof. **Insurance, freight, duties/taxes, if applicable, will be paid as per actuals against relevant documents**. Insurance will be arranged by the Contractor. Above purchase should be initiated with the prior approval from OIL after ascertaining the rate reasonability.

6.1.1.4 Transportation of material between OIL base and offshore will be provided by the Company at 7 days' written notice by the Contractor for such transportation.

6.1.1.5 Contractor will keep 100% redundancy of critical spares to ensure availability of the services throughout the contract period. The material, consumables and equipment to be supplied by the Contractor will be in good working condition and the Contractor will be solely responsible for such material, consumables and equipment. The Company reserves the right to accept or reject any material, removal from the work site of any material & consumables found defective at the Contractor's cost. Any downtime on this account will be at the Contractor's cost.

6.1.2 Personnel and Services

6.1.2.1 The Contractor will furnish to the Company in areas of operation, the personnel who are capable to perform the services, with all equipment and spares etc. as required by the scope of work in **Schedule-1**. Any down time on this account will be at the Contractor's cost.

6.1.2.2 The Contractor will be required to establish a base office to provide support for management of operations, to arrange supplies to the OIL location and to prepare procedures, reports, etc. in compliance with international standards. The personnel requirements to accomplish the above will be decided by the contractor, in view of timely completion of the scope of work and efficient base support requirement.

6.1.2.3 Contractor will provide at its expense all necessary inoculation, passport and visas for any Contractor personnel furnished by Contractor to Company. Contractor will further pay all wages and salaries etc. of the Contractor's personnel furnished under the agreement. Notwithstanding anything contained herein to the contrary, Contractor agrees that the laws and the ordinance of the country of origin and the areas of operation relating to the employment, welfare of its personnel and their entrance into and exit from the country will apply.

6.1.2.4 The to-and-fro transportation cost of the regular crew will be borne by the contractor. Transportation of Stimulation/CT-FPU crew, if between the Company's OIL bases (Kakinada Port) / Helibase (Port Blair) to the offshore rig/Vessel and back will be provided by the Company at no cost to the Contractor. No other cost during transit will be borne by the Company. The operational crew change will be normally being carried out after completion of the job at rig.

6.1.2.5 The maintenance of the Stimulation equipment / CTU equipment will be carried out by the contractor at contractor's warehouse base / vessel / Rig site for facilitating smooth & un-interrupted stimulation operations after deployment.

6.1.2.6 Boarding and lodging onboard for the contractor's crew at the contractor's base shall be arranged by the Contractor at no cost to the Company for the Contractor's personnel. Boarding and lodging on the rig / vessel for the crew, as applicable, shall be provided at Company's cost based on POB capacity.

6.2 Material, Supplies, Equipment, Services and personnel to be furnished by Company

6.2.1 Company, at its expenses, will make available to Contractor's personnel, medical assistance available with Company at site in case of emergencies.

6.2.2 The Company will supply the following items only:

1. **Diesel for stimulation:** Quantity of diesel used in the chemical mix for stimulation jobs will be considered as the diesel for stimulation consumption which will be provided by OIL free of cost. All other diesel consumed by contractor for Stimulation equipment is defined as Marine diesel.

2. **Diesel for Coil Tubing Unit:** Quantity of diesel to operate Coil Tubing Unit will be provided by OIL free of cost. However, all other POL other than diesel to operate these units shall be supplied by the contractor.

3. **Drill water** for stimulation operation.

6.2.3 For the above supplies, the Contractor will give minimum one week notice to the Company. In the event, the Company authorizes the contractor to make arrangements for all consumables/items as documented at **Clause 6.2.3.1**, then the quality of the consumables /items will be ensured by the contractor. The cost of sub-standard items noticed before/during use will not be reimbursed by the Company. Any downtime on this account will be at the Contractor's cost. OIL will give two weeks' notice for mobilization of consumables / items listed at **Clause 6.2.3.1**.

6.2.4 The cost of diesel/consumables will be to the contractor's account in the following situations:

i) During equipment non-operational period as per clause 7.1.2.

ii) During breakdown period as per Clause 7.3.3 (breakdown at contractor's cost).

The cost of diesel / consumables to contractor's account will be worked out on the basis of per hour consumption figures worked out at the end of wet test and the prevailing rate.

6.2.5 Contractor will be responsible for keeping a sufficient stock of items on board/base to meet operational requirements.

It is the Contractor's responsibility to determine the quantity of consumables / items required to ensure a smooth, efficient & un-interrupted execution of the scope of work and to obtain the Company's authorization to procure, whenever applicable. Any down time on this account will be at the Contractor's cost.

6.2.6 The quality of the consumables / items will be ensured by the Contractor. The cost of sub- standard items noticed before / during use will not be reimbursed by the Company. Any down time on this account will be at the Contractor's cost.

6.2.7 Reimbursement will be made by the Company after authorization and proof of receipt of the items.

6.2.8 Crane facility for loading and unloading of Contractor's material at Rig / /Vessel will be provided by the Company at no cost to Contractor. Proper loading, spotting and re-arranging of all the chemicals & cargo on vessel will be made by contractor with the jetty crane provided by OIL within the stipulated time available at loading jetty.

6.2.9 The Contractor will keep the equipment in good and ready condition in between the acid stimulation / fracturing operations in different wells / objects. However, for different stimulation/fracturing job stages in single well, equipment are to be in place on stimulation vessel / rig. Replenishment of onboard materials and chemicals for next job will be done at Kakinada jetty. Acid chemicals will be loaded at a time for at least two jobs. In case of requirement of any additional /specialty chemicals/materials, the Company will provide transport for equipment, material and consumables by sea between the Company base and rig by normal schedule of OSV sailing at no cost to the Contractor. For vessel based operations, vessel having stimulation equipment mounted will sail to jetty for loading of chemicals and other materials required for next job / operational activities.

6.2.10 The Company shall have unqualified right to request the removal of any contractor personal either for incompetence, unreliability or misbehavior etc. while on or off the job. The contractor shall comply with any such request to forthwith remove such personnel at contractor's expense. The contractor will be allowed a maximum of 6 working days to replace the persons by competent person at contractor's cost. In case contractor fails to replace such personnel within 6 working days, no payment would be made for such personnel from the date of request of removal of such personnel.

The MOHA (Ministry of Home affairs, Government of India)/ PCC (Police clearance certificate) for such personnel will have to be produced within 45 days.

SCHEDULE-7

7.1 Contractor's Responsibilities

7.1.1 10 K Modular equipment package for acid stimulation/ fracturing, CTU - FPU, and personnel shall have the requisite capacity and capability to perform as per scope of work during the contract period.

7.1.2 Whenever equipment is required to be withdrawn for any repair, prior approval of Company will be required for the same. The equipment will be on Contractor's account during such period. i.e., from release in the field till it reports back in the field. Such period shall be considered as non-operational period and will be no cost to OIL.

7.1.3 The equipment package should have sufficient Hydraulic Horsepower (not less than 4000 HHP) at a given time for continuous operation of jobs.

7.1.4 Contractor will keep 100% redundancy for critical spare systems. Sufficient spare parts / assemblies / units should be maintained at vessel / rig location / base at CONTRACTOR'S cost to take up any repair immediately.

7.1.5 All regular work equipment should remain operational all the time whether in use or out of use.

7.1.6 No reduction / increase in crew will be effected by contractor without prior approval of the Company.

7.1.7 Following valid certificates should be made available for the equipment at the time of on-hire survey. All these certificates should remain valid during the course of contract.

I. Hydrostatic pressure tests as per API guidelines

II. Insurance Certificate

III. Certificate of TPI Survey for lifting slings as per API guidelines

IV. International Tonnage Certificate for each equipment

V. Zone-II compliance for each equipment

VI. Any other relevant certificate/ license for operating onboard Stimulation equipment

VII. HHP test certificate at anticipated max. flow rate for the envisaged pumping time

VIII. PV curve match report for all pumps

IX. Pressure test /Function Test of CTU PCE and associated equipment

X. Equipment residual life certificate.

7.1.8 The contractor will carry out all operations in a safe manner in accordance with internationally accepted norms and thereby will be solely responsible for the safety of all personnel engaged by them including Acid/frac and CTU stimulation personnel.

7.1.9 The successful bidder will also obtain any / all other requisite clearances from statutory bodies.

7.1.10 Contractor should ensure any leftover / excess frac fluid/ acid mix is properly neutralized before discharging into sea. While cleaning used tanks in between the jobs they have to follow marine environmental guidelines.

7.2 Operating and Standby Day Rates for Stimulation equipment package, Coil Tubing Equipment and Crew:

Stimulation equipment Package Day rate includes hire of the stimulation services including its equipment as stipulated, reporting, and contractor supply items, and base support personnel.

CTU – FPU unit day rate day rate will include hire for the CTU – FPU unit services including its equipment, work equipment as stipulated, reporting, and contractor supply items and base support personnel.

Stimulation / CTU - FPU day rate excludes the manpower charges.

7.3 Breakdown / Weather down Time

7.3.1 (a) Breakdown / Down Time Definition

The term BREAKDOWN / DOWN TIME will mean the failure of Contractor in performing the work / services due to failure of equipment / consumables / personnel (regular / callout), in accordance with the contract except during the condition of FORCE MAJEURE.

(b) Weather Down Time definition

The term weather down time means the period of failure of equipment / personnel operational capability due to weather conditions in excess of the parameters specified in Schedule-II.

7.3.1.1 Failure of the Contractor to provide the regular Acid / fracturing / CTU - FPU Key personnel and base support personnel as required by Contract.

7.3.1.2 Failure of any equipment in specifications forming part of Acid Stimulation /Fracturing campaign or CTU - FPU equipment day rate.

7.3.2 Permissible limits of Breakdown/Breakdown Time at Company's cost

For all the system / unit forming part of the Modular stimulation equipment package day rate including work equipment, stimulation crew and base support personnel the prevailing operating/standby day rates will be applicable during following down time period:

7.3.2.1 For the work equipment forming part of the day rate of the stimulation equipment or CTU Equipment, no down time will be allowed at Company's cost.

7.3.2.2 Any permissible down time mentioned above, if not necessitated by conditions, will not be availed / en-cashed.

7.3.2.3 During the term of the agreement, if operations hereunder are suspended, due to break down or malfunction of or the need for repairs to Contractor's surface equipment, or due to the failure of contractor to furnish inputs for the operations such as, but not limited to materials, manpower, supplies, equipment or services, and which Contractor is obligated to furnish hereunder or due to failure of modular Stimulation / CTU / other equipment, due to liabilities of contractor, will be treated as breakdown. Any breakdown of equipment / any part of it, if delays the operation or ceases causing shutdown of the operation, will be treated as breakdown.

7.3.3 Breakdown down time at Contractor's cost

7.3.3.1 The Individual Service Day Rate (ISDR) and Operating Component Day Rate (OCDR) / Operating Day Rate (ODR) quoted for that particular service covered in the contractor's Services shall not be paid for such period, that service either:

i) Breaks down,

Or

ii) is not operating or not available as per its intended operations due to which the Drilling unit / other services cannot perform its intended operations,

Or

iii) is not operating or not available as per its intended operations due to which the operation quality is compromised.

7.3.3.2 A pro-rata penalty @ 25% of OCDR Charge of the respective services of shut down shall be imposed & deducted from monthly invoices of the contractor in case of non-availability of the services, manpower, tools, equipment resulting into shut down of Well operations and/or rig and or other services. This deduction shall be in addition to the zero rate for the duration of that particular service for which the rig has faced shut down of the operations.

7.3.3.3 In respect of any shortfall in regular personnel and base support personnel as specified in contract, day rate shall be reduced @1.5% of day rate of ongoing operation per person for the period such short fall exists.

In case due to above shortfall operational performance is affected, cost calculated as above or as per breakdown clause 7.3.3.3 whichever is higher would apply.

7.4 If any of the equipment is withdrawn by the contractor during the period of contract due to breakdown or any other reason, then it will not be liability of Company to clear the Company's material from vessel/Rig deck. However, if the decks are required to be cleared, the contractor may be asked to go to the nearest possible location depending on the availability of the space for offloading the material at the contractor's cost.

7.5 Consumables on mobilization / demobilization

The cost of diesel which is available on board at the time of on-hire survey will be recorded and adjusted against the cost of diesel available on board at the time of off-hire survey. The price of diesel for delivery at Kakinada base as on first day of the month of on-hire / off-hire survey will be considered for calculating the cost.

7.6 At the time of non-operational period or off hire of the Modular stimulation equipment package after the expiry of the contract period, the Contractor will hand over materials belonging to the Company. However, the contractor shall not be given any additional time for such transfers and no charges will be payable by the Company.

SCHEDULE-8

8. HEALTH, SAFETY, ENVIRONMENT (HSE) POLICY AND FALL PROTECTION

8.1 INTRODUCTION

COMPANY places prime importance on health, safety and environmental ("HSE") issues and requires that the CONTRACTOR and its SUB CONTRACTOR subscribe to and actively pursue the highest standards of HSE performance. COMPANY'S expectations in terms of HSE are stated in the COMPANY's "Getting HSE Right". The HSE goals for this contract are simply stated – no accidents, no harm to people and no damage to the environment.

CONTRACTOR will assume all liabilities of surface pollution to the extent caused by CONTRACTOR and resulting from spillage or dumping of solvents/Petrochemical substances or pollutants which the CONTRACTOR brings to the work-site for use in connection with the work or service performed under CONTRACT but not to any other extent.

8.2 HSE MANAGEMENT SYSTEM

8.2.1 The CONTRACTOR will provide COMPANY with a statement on its HSE policy.

8.2.2 The CONTRACTOR must have in place a formal HSE management system and must demonstrate commitment to continuous improvement and excellence in HSE issues.

8.2.3 All personnel should be well informed, well trained, engaged and committed to the HSE improvement process.

8.2.4 The CONTRACTOR will establish and maintain procedures for the ongoing identification of hazards, the assessment of risk, and the implementation of necessary control measures.

8.2.5 COMPATIBILITY OF HSE MANAGEMENT SYSTEMS

The CONTRACTOR will co-operate with COMPANY to ensure that the roles and responsibilities in both systems are clearly defined and allocated and are clearly understood by all parties. Where appropriate an interface document will be developed for the CONTRACTOR and COMPANY HSE management systems that incorporate any specific requirements relevant to the WORKSITE or platform on which the CONTRACTOR will perform the WORK.

8.3 COMPLIANCE

8.3.1 The CONTRACTOR will observe and comply with all relevant and current statutory requirements, approved codes of practice and industry guidance on HSE matters.

8.3.2 The CONTRACTOR will observe and comply with all relevant and current COMPANY standards and expectations on HSE matters.

8.4 ORGANISATION ROLES AND RESPONSIBILITIES

The CONTRACTOR's HSE organization will be clearly defined in the HSE Plan. The proposed HSE organization will at a minimum include the following:

8.4.1 Role and responsibilities of CONTRACTOR's senior management.

8.4.2 Role and responsibility of HSE staff.

8.4.3 Interface with major sub-contractors and suppliers.

8.5 TRAINING, AWARENESS AND COMPETENCE ASSURANCE

8.5.1 The scope of which will cover as a minimum:

i) All trade / discipline skills employed in the performance of the WORK.

ii) Understanding of safe working practices including without limitation, communications, safe work systems and risk assessment including risk to the environment.

iii) Compliance with all applicable HSE statutory and national regulations.

iv) A means of confirmation that the system is effective ad verification that all PERSONNEL are covered and have been assessed for competence.

8.5.2 COMPANY has the right to object and require the CONTRACTOR to remove from the performance of the WORK any PERSONNEL who in the opinion of COMPANY, misconduct themselves or are incompetent or negligent in the proper performance of their duties and such PERSONNEL will not be again employed upon the WORK without COMPANY'S approval.

8.6 MONITORING AND REPORTING

8.6.1 The CONTRACTOR will submit a formal report, weekly or monthly depending upon the level of risk assessed for the WORK and agreed by the Company which summarizes Contractor's and SUB-CONTRACTOR(S) HSE performance in the preceding reporting period. This report will detail the following:

a) All Occupational Safety and Health Association (OSHA) injuries.

b) All other accidents, spills and other unplanned discharges which either result in, or have potential of significant injury/damage/loss or are reportable to a statutory authority.

c) All near miss incidents, which have potential for injury/damage/loss. The near miss/incident reports themselves must be submitted to COMPANY's site representative immediately after the event.

d) The issue or proposed issue of an Improvement of Prohibition Notice, notice of intended prosecution or other legal process.

e) Any other event reportable to a statutory authority.

f) A summary of monitoring activity, reviews, inspections and audits.

g) A summary of the status of any remedial actions.

h) HSE inputs number of safety observations, number of HSE meetings, and number of actions closed out relating to implementing the CONTRACTOR's HSE plan.

8.6.2 Notwithstanding the provision of an HSE report, the CONTRACTOR will follow the requirements of the COMPANY'S accident and incident reporting and investigation procedures.

8.7 MEDICALS, TRAINING AND PROTECTIVE CLOTHING

8.7.1 All personnel proposed by the CONTRACTOR for duty offshore will be certified as medically fit for duty offshore in accordance with the statutory and national regulation requirements.

8.7.2 All personnel proposed by the CONTRACTOR for duty offshore will have successfully attended sea survival (approved by the COMPANY), fire-fighting and first aid and refresher courses as necessary in accordance with statutory requirements and the COMPANY's requirements whichever is more stringent.

8.7.3 The CONTRACTOR will, at its own expense, provide its personnel with all necessary protective clothing and equipment suitable for the working conditions. For duty at the COMPANY's offshore worksites, such clothing/equipment will be in accordance with the COMPANY's requirements.

8.8 WORKING CONDITIONS

8.8.1 CONTRACTOR will ensure that all personnel provided for the WORK will keep all places of work as clean and tidy as is reasonably practicable under the circumstances, to minimize the risk of injury to persons, damage to property or delays in carrying out the WORK.

8.8.2 On completion of the WORK, CONTRACTOR will, without delay, clear away and remove from the WORKSITE all surplus materials and equipment and leave all areas in a clean and tidy condition to the satisfaction of the COMPANY's REPRESENTATIVE.

8.9 PORTABLE AND TRANSPORTABLE EQUIPMENT

8.9.1 The CONTRACTOR will observe and comply with the COMPANY's procedures with regard to the selection, deployment, operation and maintenance of equipment offshore.

8.9.2 The CONTRACTOR is responsible for ensuring that all equipment is operated and maintained in accordance with safe working practices, and within the design envelope of the equipment.

8.9.3 Any modifications to the original design of the equipment should have been assessed by the CONTRACTOR'S change management system.

8.9.4 Location of equipment at the offshore WORKSITE will be agreed in advance with the COMPANY's REPRESENTATIVE.

8.10 WASTE MANAGEMENT

COMPANY is committed to waste minimization through "reduction, reuse and recycling' of wastes. In the performance of the WORK, the CONTRACTOR will at all times.

8.10.1 Observe and comply with all laws and regulations concerning the production, storage transport, treatment and / or disposal of waste.

8.10.2 Act to minimize the quantity of wastes in accordance with the COMPANY'S HSE policy.

8.10.3 Comply with the WORKSITE waste management procedures for identification, segregation, collection, transportation and disposal of waste as it affects their operations.

Attachment-I

The Capability & Duties Expected from the Charter Hired 10 K PSI rating Modular stimulation equipment package for Acid Treatment / Fracturing, and CTU-FPU Equipment

The capabilities of 10 K PSI rating Modular stimulation equipment package for Acid/Fracturing, FPU, CTU Equipment shall include but not limited to:

I. High pressure pumping operations with Oil and Gas well stimulation chemicals, acids:

II. The 10 K psi rating Modular stimulation equipment package either to be installed on rig or on the vessel provided by OIL at the sole discretion of OIL.

III. Equipment should be provided with certified lifting arrangements for shifting cargo/equipment inside as well as outside the deck area.

The various operations required from the 10 K psi rating Modular stimulation equipment package for acid fracturing, FPU and CTU Equipment are as given below but not limited to:

- Acid stimulation / fracturing using acid / nitrified acid along with other chemicals as per bidder's design (wherever applicable)
- Nitrogen Activation through modular Coiled Tubing (Nitrogen Pumping Unit will be provided through OIL's existing Well Testing Services).
- Milling of cement plugs through Coil Tubing.
- Pumping of higher Sp. Gr. Kill fluids for well control operations, if required
- Well cleanup activities using Coil Tubing

Bidder shall comply with the certification of Stimulation, FPU & CTU packages as required by Drilling Rig / Vessel Warranty Surveyor without any additional cost implication to the Company. All supporting documents as required by Warranty Surveyor shall be provided at the time of inspection.

The Acid treatment/fracturing, FPU & CTU packages shall be strategically covered with F&G system. Necessary interfacing shall be made between ESD panel / tripping device of Acid treatment /fracturing package with Rig & Vessel ESD system, if required. Any compliance required in this regard, as advised by Rig / Vessel Warranty Surveyor, shall be complied without any additional cost to the company.

Acid Treatment / Fracturing

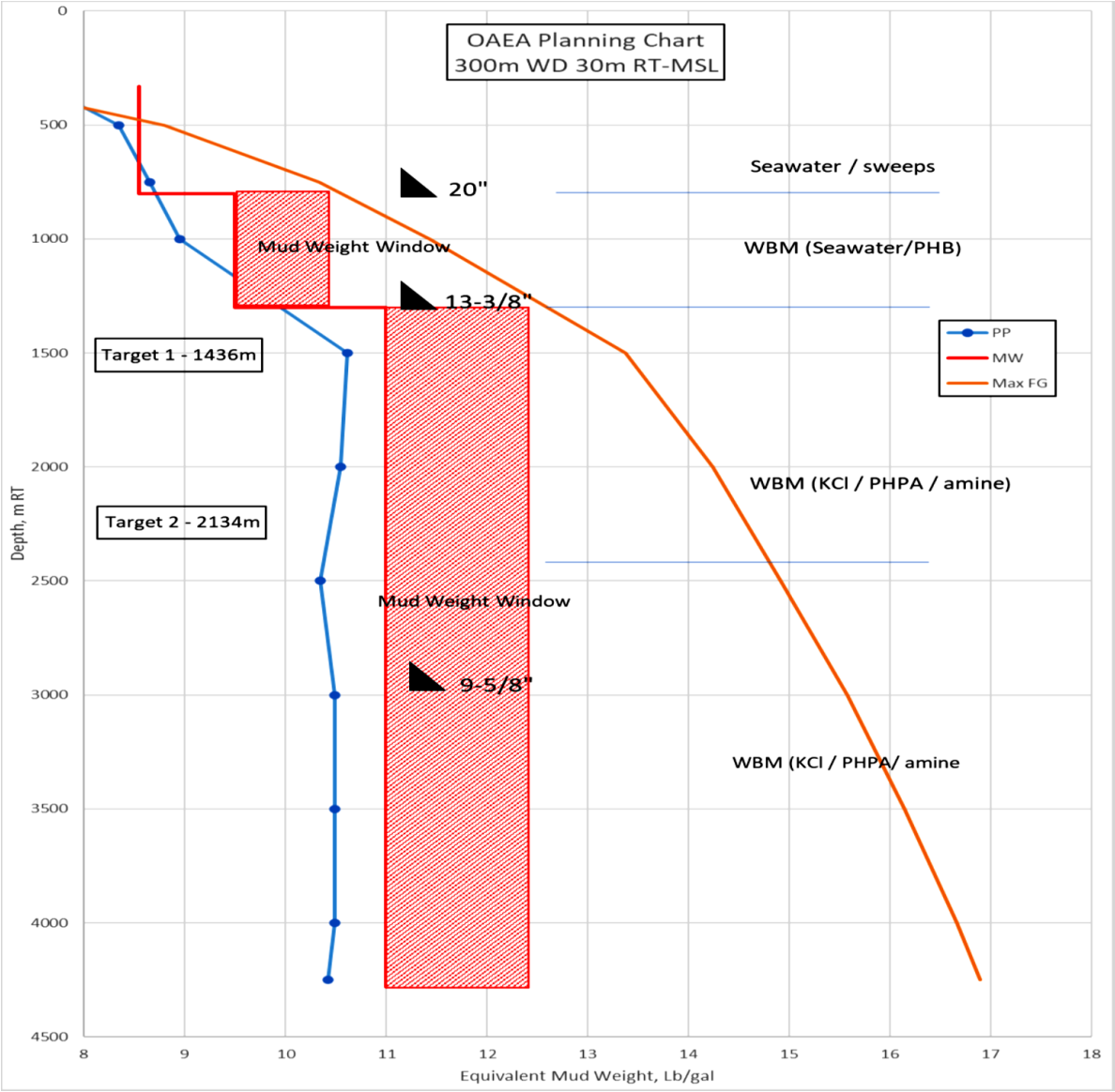
The two offshore exploratory **blocks AN-OSHP-2018/1 and AN-OSHP-2018/2 in the Andaman and Nicobar Islands** are located in East & West Coast of Andaman Offshore areas. The reservoir of well Loc. OAWB drilled in West Andaman offshore is tight silty sand-stone and the reservoir of wells (Loc. OAEA & OAEB) to be drilled in East Andaman Offshore is also expected to be of the same characteristics. These reservoirs need stimulation for facilitating inflow of reservoir fluids during well testing operation, establishing hydrocarbon presence, productivity enhancement and to assess the commerciality for further field development.

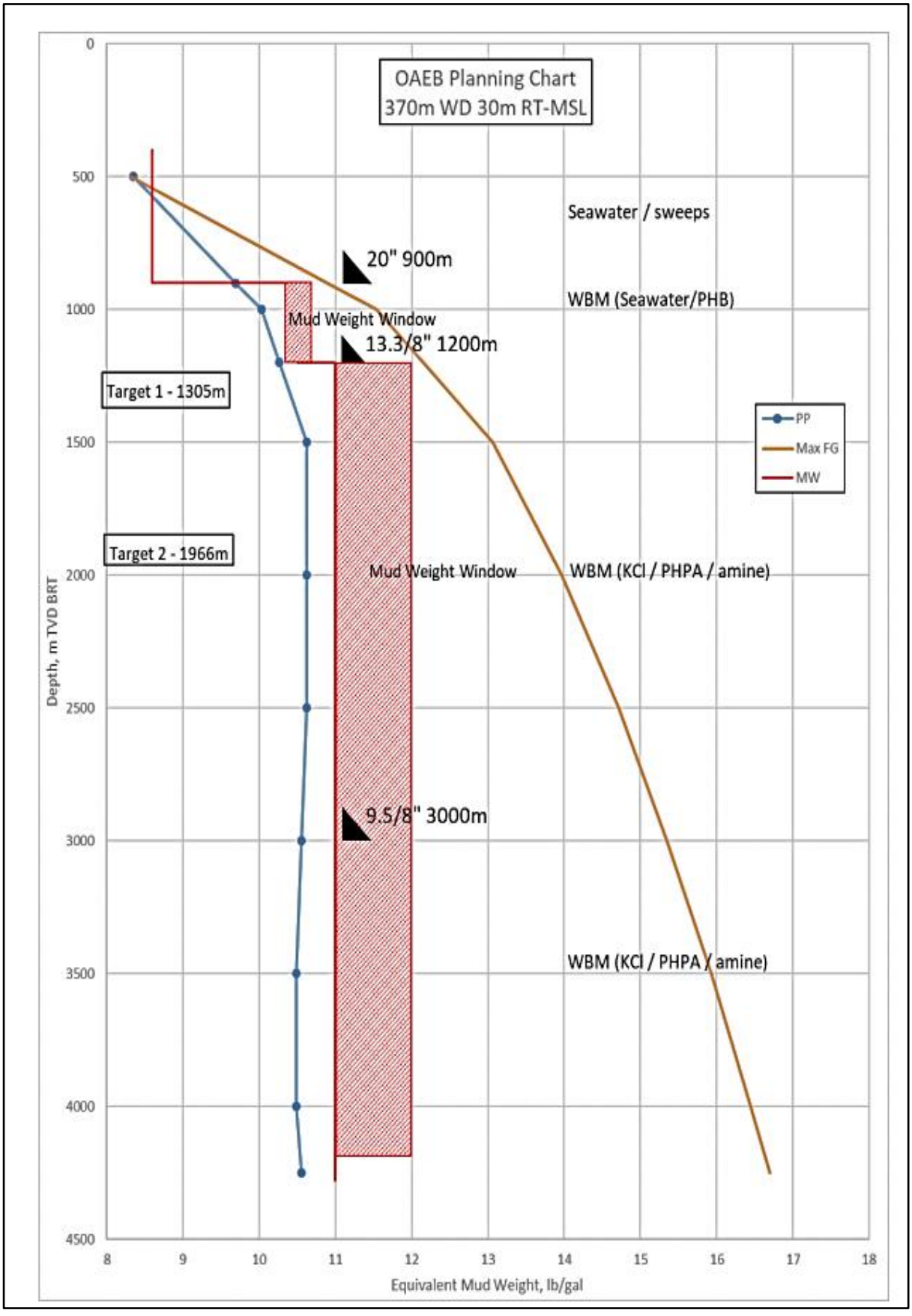
Drilling and Completion Information

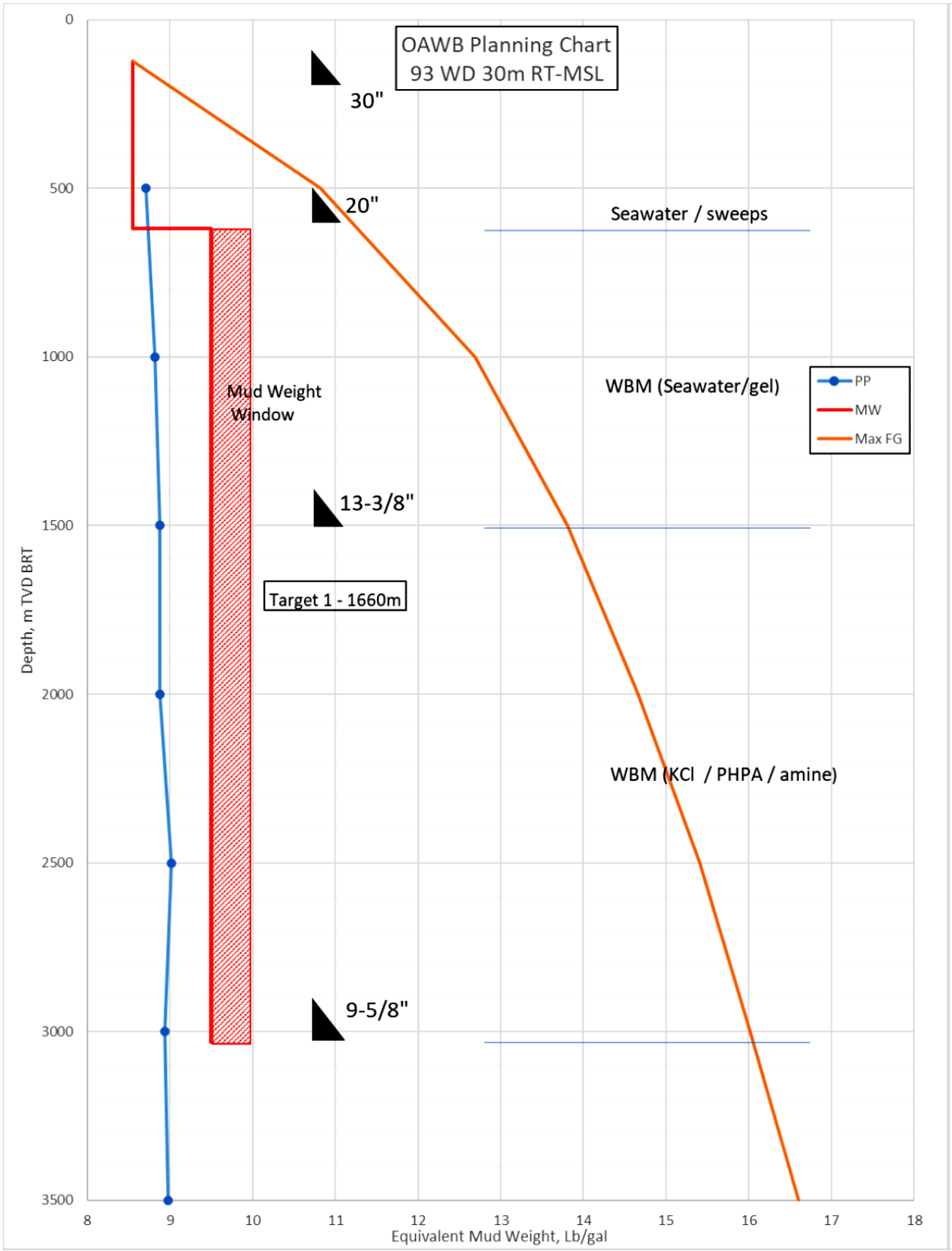
This section includes the information required by the bidders to understand the well conditions, reservoir fluid parameters and Testing / Stimulation philosophy in the upcoming wells in the Andaman offshore fields. The BIDDER should design and bid for equipment, Fluid and services keeping in mind the below conditions.

2.1Well Data, Fluid and Reservoir Characteristics:

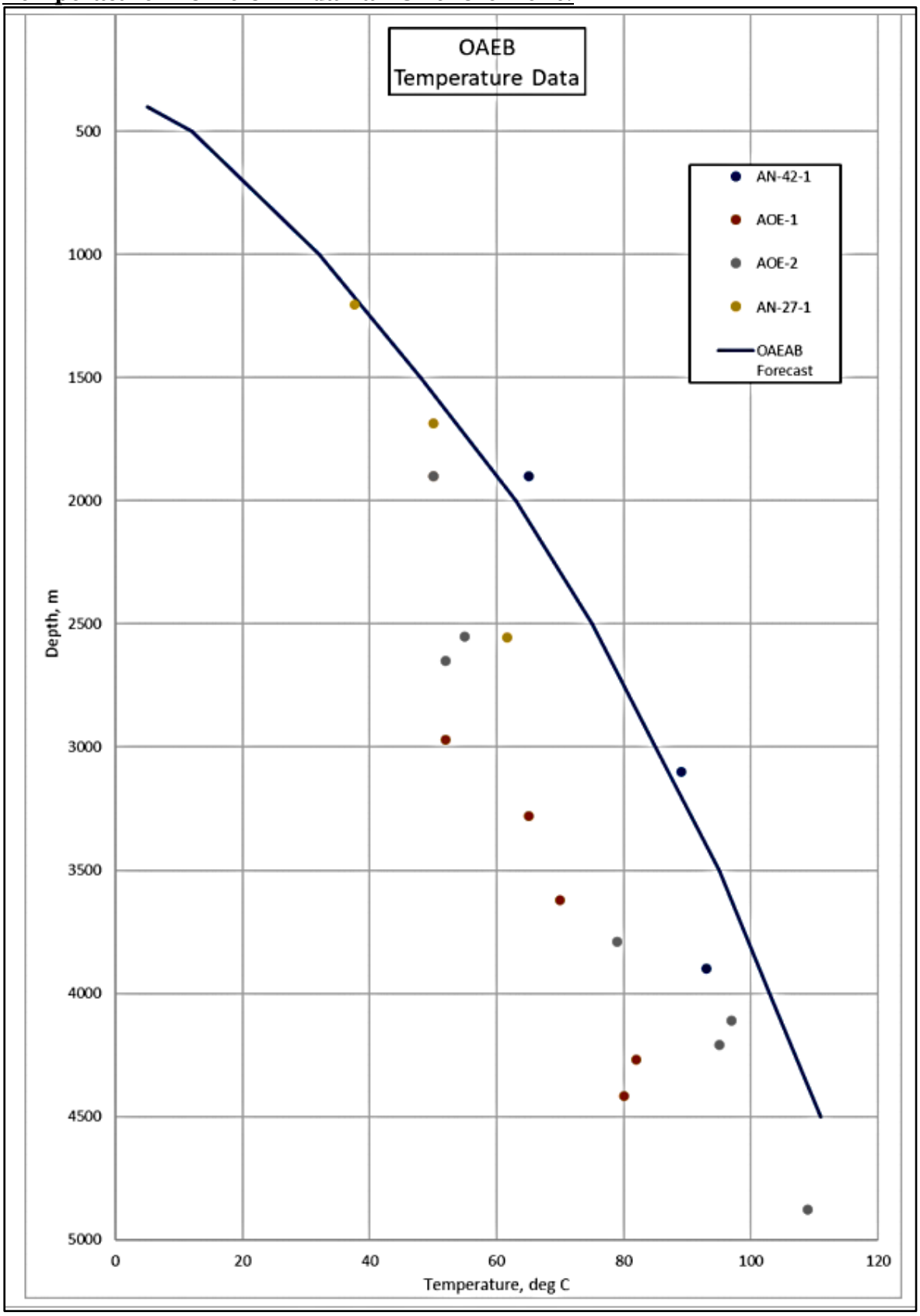
Pore Pressure Profiles for Andaman Offshore wells:




OAEB Planning Chart
370m WD 30m RT-MSL
Seawater / sweeps
20" 900m
WBM (Seawater/PHB)
Mud Weight Window
13.3/8" 1200m
Target 1 - 1305m
PP
Max FG
MW
Target 2 - 1966m
Mud Weight Window
WBM (KCl / PHPA / amine)
9.5/8" 3000m
WBM (KCl / PHPA / amine)
Depth, m TVD BRT
Equivalent Mud Weight, lb/gal
0
500
1000
1500
2000
2500
3000
3500
4000
4500
8
9
10
11
12
13
14
15
16
17
18


OAWB Planning Chart
93 WD 30m RT-MSL
30"
20"
13-3/8"
9-5/8"
Seawater / sweeps
WBM (Seawater/gel)
WBM (KCl / PHPA / amine)
Mud Weight Window
Target 1 - 1660m
PP
MW
Max FG
Depth, m TVD BRT
Equivalent Mud Weight, Lb/gal
0
500
1000
1500
2000
2500
3000
3500
8
9
10
11
12
13
14
15
16
17
18

Temperature Profile of Andaman Offshore wells:



Maximum BHT recorded in well AOE-2 is 110°C at 2991.1m.

2.1.1 Well Conditions and Fluid parameters: Exploratory Wells

2.1.2 Estimated pumping parameters:

2.1.3 Well Fluid:

It is planned to use drill water or sea water or 10.6 to 11.6 ppg of $CaCl_2$ / K_2SO_4 brine solution as well fluid during Stimulation Operation. Bidder's proposed treating fluid with additives must be compatible with the well fluid.

2.2 Typical Well Construction

The well will be prepared for the intended stimulation job with 10K psi rated retrievable packer, DST/Tubing string, Sub-sea Test Tree and Surface flow-head.

2.2.1 String for execution of acid treatment/ frac job: Existing DST string comprising of the following shall be used for acid / fracturing operation.

(i) Existing 4 ½", PH 6, 17 ppf tubings (used),3 ½", PH6, 12.95 ppf tubings (used) and 10 K differential pressure Retrievable Packer that are available through OIL's Bundle service provider will be used. In such cases, there shall not be any damage to these tubings as result of acid / fracturing job.

(ii) Any other tools / crossovers required for successful execution of the job shall be in bidder's scope.

2.3 Treating Fluid Qualification Criteria:

HCl along with Acetic acid as the Basic formulation and Mud Acid as backup are envisaged for Acid Treatment / Fracturing as below:

1. For frac treatment: HCL with Acetic Acid
2. Mud acid (9 % HCL with 0.5 % HF) – if required
3. Post flush (5 to 6% of mild acid)

The above acid formulation shall also include Solvents viz., EGMBE or any another suitable solvent along with essential additives such as clay stabilizers and surfactants, corrosion inhibitors (CI), iron-chelating agents etc.

The above acid formulation is tentative only. The exact acid formulation suitable for object target sands shall be as per bidder's design and compatible for downhole completions, mineralogy etc. Bidder should have the laboratory facility at base to confirm the acid formulation. Bidders to provide suitable arrangements for OIL authorized personnel to witness the laboratory experiments for characterization of the treating fluid.

2.4 Scope of work for Modular Acid treating / Frac / Stimulation Package

2.4.1 Well treatment design required for acid treatment /frac and any other requirement for execution.

2.4.2 Supply of equipment/ material/ services for acid treating / fracturing jobs in wells of Andaman Offshore block, India. Contractor will mobilize personnel aboard the vessel/ Rig for well preparation, acid treating / fracturing execution and Post stimulation activation jobs. Evaluation of stimulation job and reporting will be done based on results.

2.4.3 The brief on completion data of the wells are as mentioned above. Any other information on the subject which is required by contractor/ bidder for job design may be provided by OIL, if available. In case non-availability of any specific data, the same may be assumed to the extent of a realistic value for acid/frac job design.

2.5 Step-1: Planning for pre-fracturing well preparation

2.5.1 Collection of all relevant data (to be provided by OIL in electronic format and/or hard copy as appropriate and full access will be provided to the successful bidder/ Contractor) including but not limited to completion, logs, core sample, etc., its analysis, application of software for interpretation (like well logs) and analysis of data, as per availability.

2.5.2 Study / review of reservoir / field behavior from the point of the proposed Acid fracturing job design.

2.5.3 Evaluation / study of available Logs and interpretation, SPF, Perforated zones, natural fractures, perforation strategies, present well completion, prospective zones per well, cement plugs, temporary abandonment details etc. for executing the acid treating / fracturing successfully.

2.5.4 The contractor has to deploy his resources of G&G along with the domain specialists for this part of the activities with the active association and involvement of OIL personnel as an integral part of the project of acid treating / fracturing jobs in the wells.

2.5.5 Any intellectual property related issues on this area must be clearly stated to avoid any controversy during the project. Contractor to provide copy of document which has been accepted and signed by client for such issues.

2.5.6 The program for preparing the objects for acid treating / fracturing will be suggested by the contractor and the same to be discussed with OIL. Any specific requirement for perforation / re-perforation / additional perforation, stimulation jobs like acid, etc., if required, to be mentioned in the proposed plan. The final plans to be mutually agreed and signed by both OIL and the contractor.

2.5.7 The well for stimulating is drilled and cased by OIL. Acid-fracturing will be done mostly using 10K psi rated flow-head, and 3-1/2” and or 4-1/2” tubing string, 10K psi rated test packer (retrievable) which are under the scope of supply of OIL.

2.5.8 Optimum acid treatment /fracture design will constitute a significant part of this scope covering pre & post stimulation requirements.

2.6 Step-2: Design of optimal acid treatment /fracture.

2.6.1 The fluid designs should be made with the consideration to minimize the fracture height growth and extend the fracture length as required for maximizing the fracture effectiveness.

2.6.2 Appropriate volume & composition of acid to minimize potential damage while creating effective reservoir connectivity.

2.6.3 Preparation and review of the acid/fracture stimulation program for each treatment.

2.7 Step-3: Resources planning and mobilization.

2.7.1 Contractor to provide fit for purpose rig / Vessel based Stimulation equipment package for acid treatment / fracturing job along with Equipment, tools, materials, etc. on the Rig / vessel. The operating personnel necessary to perform the operations will be mobilized with these equipment.

2.7.2 The responsibility for the mobilization of resources of the Contractor will lie with the Contractor.

2.7.3 The information and planning in this regard will be reviewed with OIL for execution as per plan.

2.7.4 Supervise site preparation, pre-operation checking of their equipment planned to be used by the contractor.

2.7.5 All fracturing / storage tanks will be on board the Rig / vessel. Arrangements to be available for their proper cleaning. Raw operational water for the job will be provided by OIL. Timely advance intimation of requirement to be given for same by the contractor.

2.7.6 Laying of lines, Coflex hoses and connecting from contractor equipment spread to well, will be done by the contractor with their manpower.

2.7.7 Normally, handling equipment and logistic support like crane, supply boat etc. required at offshore for the job will be arranged by OIL. The limiting capacity of the Rig Crane will be 50 Tons at 40 ft distance.

2.7.8 OIL will arrange boarding and lodging arrangements on the offshore rig location and on the vessel for contractor personnel. To and fro transportation of contractor's personnel / equipment to the rig / vessel location will be done by OIL. Only in special circumstances supply boat / chopper etc. be provided by OIL for urgent supplies pertaining to modular 10 k psi rating stimulation equipment package.

2.7.9 Contractors will arrange at its own cost for the followings but not limited to

- Handling equipment and logistic support for Coflex hose(s) loading into the vessel, if required.
- Hose support/hanger, if required, and associated equipment (e.g. I-beams, ISO locks and sockets etc.) for installation on the Rig/ Vessel.
- Contractor will also provide loading analysis, during pumping and idle condition to confirm the suitability of hose support /hanger.
- for any services and equipment required for any modification/welding required on the vessel / rig.
- Gas free certificate from statutory authority required if any for any welding on the vessel / rig.

- fit for purpose services required for NDT testing & Pressure Testing, if any.

- clamps and fastening equipment required for laying and securing pumping line.

- fit for purpose convertor for getting PDHG gauge data into Stimulation Data Acquisition system.

- for collection and disposal of effluent, leftover or during jetty based testing, from Vessel at Jetty/Dock

2.8 Step-4: Acid treatment / Fracture job execution and Supervision

The contractor has to perform acid treatment/fracturing operation as per design approved by OIL (Step-2) and to achieve this:

2.8.1 Perform acid treatment /fracture as per design requirements and safety procedures.

2.8.2 Ensure optimal pumping for acid treatment /fracture and that the design criteria are met.

2.8.3 Provide on-site document on critical parameters (rates, pressures, additives injection), submit field execution report upon job completion.

2.8.4 Provide quality control for all technical data, chemicals, etc. to ensure optimal acid treatment /fracture and design criteria, rig up and supervise, pre-operation checking of equipment.

2.8.5 Supervise implementation of pumping schedule that includes appropriate diagnostic stages (multiple ISIP's, step down rate test, pump-in/ shut-in, pump-in/ flow-back, etc.).

2.8.6 Share with OIL the interpretation based on the planned treatment design.

2.9 Step-5: Post Treatment activities

The contractor has to

2.9.1 Analyze post acid treatment /fracture data.

2.9.2 Design, execute and monitor post job activities like CTU cleaning e.g. cleaning of debris from Well bore by circulating suitable fluid with High Pressure pumping unit thro' Coil tubing, milling of cement plugs using CT, clearing of isolation sand plugs, flow back monitoring, post job nitrogen activation if required etc. till conclusion of well testing in consultation with OIL as against the already provided plan. Services for Nitrogen Pumping System shall be provided at Rig by OIL.

2.9.3 Provide a comprehensive report of all related treatment data and acid treatment /fracture operations within 3 days from the completion of Operations incase the job is in next higher up zone and within 5 days incase next job is in another well.

2.9.4 Review the acid treatment/fracture operations and post treatment analysis and to present the results of the acid/fracture treatment to OIL at Kakinada.

2.10 Material, Supplies, Services to be furnished by Contractor.

2.10.1 Acid/Fracturing Chemicals, additives etc. (to be consumed in the well during the Job).

Following are the generic list of the chemicals required for the Acid /stimulation / fracturing jobs. Contractor is required to mobilize the required chemicals based on the temperature range of the well at site for the fracturing job. However, bidder can add any other chemicals if the same is necessary for successful operation of fracturing the wells.

Sl. No	Material
1	Surfactant
2	Well Bore Cleaning agent
3	Hydrochloric Acid
4	High temperature Acid Corrosion Inhibitor for acid job
5	Iron Control Agent
6	Mutual Solvent
7	Scale Inhibitor
8	H2S Scavenger
9	Acetic Acid
10	Soda Ash
11	Hydrofluoric Acid
12	Any other chemicals required for successful operation

2.10.2 The contractor should provide a complete list of chemicals required for offshore Wells i.e., for temperature up to 300°F, which, in the opinion of the contractor, may be required for efficient work/service. They should also provide a realistic list of quantity of material requirement for 3 zones in each of the 2 wells plus optional 1 well considering about 400 bbls of fracturing fluid as basis for each object in a well. Payment will be made according to the actual consumption of acids and chemicals as per Price Schedule; consumption will imply the quantity of fluids pumped into the well. If two zones are fractured / treated together, then it shall be treated as one job.

2.10.3 Contractor to take adequate care for Chemical / Acid storage and handling, that there is no ingress of foreign particles. It is Contractor's responsibility to make proper arrangement for safe storage of chemicals / acids on board the offshore location for acid / fracturing jobs.

2.10.4 Any other down hole equipment, tools, consumables and services etc., not mentioned above but required for successful post treatment activation/cleanout job is also in the scope of bidder.

Attachment-II

BROAD SPECIFICATIONS OF MODULAR STIMULATION PACKAGE AND CTU - FPU EQUIPMENT AND SERVICES

A. ACID TREATMENT/ FRACTRING SPREAD LIST FOR STIMULATION

The Modular stimulation package (Acid / Fracturing) need to have the following broad specifications but not limited to:

1. High Pressure Pumping System:

a) Minimum required quantity of High pressure intermittent service pumps rated at minimum 10000 psi working pressure capable of delivering at least 4000 HHP (total) and capable of pumping sea water/drill water and acid slurry at a minimum total rate up to 25 bpm. To accommodate the equipment on the limited space of vessel / Rig. Proper fluid ends rated to minimum 10000 psi capable of pumping at the desired rate up to 25 bpm.

b) In addition to the above, One High pressure intermittent service pump capable of all types of stimulation chemicals, acid slurries, Diesel, Water etc. The pump should be rated at 10000 psi (Minimum) cold working pressure. The pumps should be complete with suitable fluid ends for pumping stimulation fluids / cleanout fluids at low rates / during CTU jobs (@ 0.4-2 bpm) etc.

c) The pumping infrastructure should be complete in all respects in regard to 1502 – 2" OD (1.8" ID) & 1502 – 3" OD (2.75" ID)/ 4" OD (all pressure rated) treating lines suitably arranged in manifolds compatible for offshore operations.

d) Set of separate High pressure 10 K Treating Iron on board for operations including acid / fracturing / CTU cleanout / activation respectively.

e) Remotely operated and equipped with emergency kill system.

f) Equipped with adjustable pressure limiting system.

g) Fitted with spark arrestor.

h) Marine / Air coolers

i) Spare fluid ends should be available for interchangeability as & when required as per operational requirement of hydraulic fracturing.

j) All iron to be rated to minimum 10000 psi working pressure and manufactured to NSI/ASME A333 GD6/B31.3

2. Acid System

- Will consist certified marine portable tanks for Acid storage & treatment.
- Shall have Capacity to handle about 400 bbl of acid slurry during a single job.
- Capable of storing and transporting acid required for stimulation jobs.
- Appropriate system to neutralize the flowback fluids post acid treatment.

- Any other equipment / system required for successful job completion.

3. Diesel Tanks

- Capacity: As per requirement

4. Sea Water System

- Centrifugal Pump 50 bpm X 1 Nos

5. Stimulation Control System

Stimulation Control Panel for remote operation of all the mixing, dozing, pumping and display monitoring system with auto mixing, pumping and dosing facilities. Chart Recorder or Suitable system for recording pressure, rate and density during the treatments to be available.

Integration of following stimulation operational parameters with online monitoring and recording will be made available:

(i) Data acquisition (Pressures-Tubing & Annulus) from the Rig should be integrated into stimulation data acquisition software. Sufficient length and properly insulated cables to be provided for Rig to monitor such data.

(ii) Data acquisition and recording will have the capability to integrate PDHG data with onboard data acquisition system.

Electronic Data Acquisition System will be:

- PC based.
- Capable of relaying real time data via Company communications network.
- With the capability to send ASCII treatment data to external computer.
- Monitor (ability to record pump injection rates and pressure at 1 second sampling), control the fracture operation.
- Flow meter (independent of blending equipment). Each Flow meters installed in the pumping system must have back-up.
- Capable of integrating PDHG data.

6. Laboratory and Tool container

- Stimulation Lab for QA/QC of all the various stimulation chemical / Acid. Stimulation Lab should be equipped with, weighing balance (offshore), Fume hood, Water Bath (Min. 5 Litres), water analysis kit which includes Total hardness, chloride, alkalinity, Iron and Sulphates, Hydrometers (0.8-1.2 SG), pH Meters, pH strips, Syringes,

Surgical gloves, Weigh boats, , Measuring cylinders, beakers, Thermometers 100°F – 300 °F etc.

- Lab ware should be in both glass and plastic for arrange of volumes, funnels, Spatulas, Sample holder box welded to place, furnishing for offshore, sample bottles, Lab PPE, sand sieve, pH calibration kit.

7. Wellhead tools:

I. Tools compatible to existing Flow head with following specs:

- Handling sub top - 6-1/2 " 4 -ACME OTIS
  or
- Compatible crossover 6-1/2" -4 ACME OTIS pin to 6-1/8" - 4 Acme Elmar box

II. Any other Wellhead adapter/flanges, as per bidder's design if required.

III. Coflex Hoses

- 2 each 4" or 3" 1502 Weco connection or size appropriate for pumping rate up to **25 bpm** out of which one coflex hose may be kept in shore base as contingency.
- Minimum 10000 psi working pressure
- Capable of handling upto 25 bpm
- Minimum 300 ft long
- All coflex hoses should be fitted with Fixer/Hook for holding & lifting by cranes for rig up & rig down
- Coflexip hanger (2 each) and associated beams for installing on Rig platform
- 2 no. of Hydraulic disconnect.
- Have compatible valve on the reeler to connect pumping equipment.

However, with known well fluid parameters (H2S, CO2), OIL, at its option may utilize either / both the 4" ID or 3" ID coflexip hoses & attached treating lines/ manifolds as pumping lines.

The location for the hose hanger will be on the Rig deck. 10 K hard-line should be installed from Hose-Hanger point to the rig-floor and same needs to be fastened by multiple Clamps. Fastening of clamp for hard line will be Bidder's responsibility.

IV. Miscellaneous

- Annulus and tubing /casing pressures gauges complete with back up transducers.

- High pressure wellhead memory gauges with minimum 1 psi resolution and 1-2 sec sampling for a duration of 48 hrs.
- Portable radios for two way communications.
- Complete set of hoses as required by the specified equipment.
- Inline pH meter.
- Equipment required for carrying out restricted flow at Max envisaged pumping rate for planned operation time.
- Any and all other equipment required to complete the scope of work described.

Note:

a. Transfer system from HSD tank to stimulation system (HP pumps) to be made available.

b. Proper safety tie-up system will be available for all treating lines rigged up during high pressure operations.

c. All the feed pumps, recirculation pumps and sea water pumps will be dedicated for the intended purpose and will not be used to handle any other fluid pumping system.

d. All the Radiators and heat generating sources will be installed away from the accommodation area.

e. All the pathways, escape routes, chemicals, tanks, pumps and other equipment will be clearly marked and displayed.

f. Broad stimulation systems should be capable of independent operations.

g. Instrument air can be made available from Rig/vessel. Diesel powered air compressors of suitable capacity with backup are to be arranged by contractor for the pneumatic applications if required. All the accessories like hoses etc. are to be arranged by contractor.

h. Filtration units of suitable capacity are to be arranged by contractor for filtering the water going to be used for preparation of fracturing fluid.

B. COIL TUBING EQUIPMENT SERVICES

1. General

Provision for onshore testing will be available at the Shore Base and the Offshore Drilling unit to conduct complete pre-start check before lowering the coil tubing down hole. Quality packaging of tools should be according to relevant standards and specifications. The Bidder should provide a list of service and test requirements on their tools and complying standards.

Tools/ equipment deployed will be of the latest version/ technology, so that, the project can be completed in the shortest possible time and execution of the job will be of state of art technology.

The bidder will submit the Safety Manual and Operating Procedure Manual, well in advance to OIL for approval. The Bidder will also submit an equipment / tool preventive maintenance system to exhibit a pro-active/ predictive system to avoid unforeseen down time. The Bidder will provide detailed catalogue, description, operational instruction and clarifications with sketch of each equipment / tool to enable proper utilization.

Bidder have to ensure that adequate quantity of equipment and tools (Means Primary and back up are available for the duration of the project and to take care of any contingency besides service turn-around time on the tools.

- In case of equipment failure, the Bidder should ensure immediate repair/replacement upon notification by Company.

- In case of tool loss or damage, the Bidder should arrange for its immediate replacement so that operations are not delayed / affected.

The Bidder must provide detailed specification of equipment/sensors along with the catalogue and also all the features available in their tools. The Bidder will indicate limitations of their tools/sensors such as temperature, pressure and discharge limitations.

Bidder will submit a detailed mobilization schedule within 7 days of issuance of mobilization notice against the services under awarded contract.

1.1 Well Data, Fluid and Reservoir and Rig Information

The main reservoir fluid of Andaman Offshore Block is Gas and the Maximum Depth of the wells can be around 4500m. The wells can be Vertical, Deviated or Horizontal depending on the well objectives.

1.1.1 String

The planned string is summarized below

DST / Completion String:	4 ½", 17 PPF, Gr. T95, LT 6 & 3 ½", 12.95 PPF, Gr. L80, LT6

1.1.2 Crane Lifting capacities

The limiting capacity of the Rig Crane will be **50 Tons**. The limiting capacity of the Crane at jetty will be **30 Tons with 29 m radius**. Bidder will verify that equipment in functional specification do not exceed the lift capacity and have sufficient protection to avoid damage during lifting, transport, mobilization and demobilization operations.

If, CT Reel with CT Pipe exceeds the lifting capacity of crane, bidder should provide alternate arrangement for CT Reel lifting at no extra cost to company.

1.2 Coil Tubing Operating Scenarios

Following are the scenarios, but limited to, where Coil Tubing may be used:

a. Nitrogen lifting of wells during testing or cleanout
b. Acidization & Acid spotting
c. Fishing
d. Milling/ Drilling Bridge Plug & Cement
e. Scale/ Wax/ Hydrate removal
f. Cutting tubular or cut to release packers
g. Well Killing
h. Change over the fluid
i. Cementing

OIL reserves the right to change the Well Plan / Well design and the selected Contractor will ensure that they are fully equipped to meet the operational requirements in consultation with OIL. No separate payment consideration will be made for operations due to the above change other than as in price schedule.

Bidder is requested to provide BHA tools list and price of tools for each scenario **if not mentioned in the price schedule.**

1.3 CODES AND STANDARDS

The following specifications will apply to Bidders equipment and maintenance practices where applicable. Bidders will comply with these standards, latest edition.

- API RP 16ST Coiled Tubing Well Control Equipment Systems
- API RP 5C7 Recommended Practice for Coiled Tubing Operations in Oil and Gas Well Services
- NACE MR-0175 Sulphide Stress Cracking Resistant Materials for Oilfield Equipment
- API Spec 6A Specifications for Valves and Wellhead Equipment
- API Spec 6H Specifications for End Closures, Connectors and Swivels
- API Spec 16C Specifications for Choke and Kill Systems
- ASME Boiler and Pressure Vessel Code

In addition to the above, Bidder will comply with all applicable ASTM codes for materials supplied for the duration of the contract.

2. EQUIPMENT

2.1Minimum Requirements

Bidder will provide all equipment necessary to carry out the jobs specified in the Scope of Work above and described elsewhere herein. The company has suggested an indicative equipment list in the Scope of Work. The company may decide to use a part of the equipment as dedicated package. In case of high mobilization time for Call out packages, such offers are likely to be rejected.

2.2Additional Equipment

The entire Bidder's proposed additional equipment and tools may be included

as Attachment.

2.3Maintenance

Bidder will perform all the maintenance operations immediately after the equipment and tools are de- mobbed and keep them in fit for purpose for subsequent mobilization. It will be the responsibility of the bidder to have sufficient no. of crew/personnel at their base/ yard/ware house for the said maintenance job. All costs pertaining to such maintenance will be borne by the bidder and will not be invoiced to the company.

Upon request by Company, Bidder will provide proof of maintenance and service history of all item and equipment supplied. All tools and equipment lowered down hole should be properly tested and should be capable of running down hole for its full duration. Bidder will submit spares list which is going to be brought for the OIL job in advance.

2.4Equipment to be operational

Bidder will maintain all equipment and tools in operating condition as per Global Standards or Regional Standards, whichever is greater and will supply all relevant QA/QC third party certification requested by Company. Any premature tripping to change faulty parts will be viewed seriously. Repeated failures and if the incident/ accident reporting system do not substantiate it, then the Company reserves the right to deduct such incidental spread cost from the invoice of the Bidder.

2.5Adequate stock – Equipment/consumables

The Bidder will maintain adequate stock of spares to actively operate the equipment through the committed work program. Bidder should provide information of spares and critical parts (standby) to the Company representative from time to time. Bidder will indicate the turnaround time to nearest service center and offer complimentary back up if such a time is too long. For O rings at least 8 to 10 times back up should be available with Bidder.

Bidder will maintain adequate stock of tools, spares and accessories to manage the operation of the Work in a remote location. The Bidder should have covered storage space for its tools and equipment in the vicinity of the OIL shore base at Kakinada. The number of tools will be based on the turnaround time between the rig / vessel and the shore based service center and back to the rig / vessel.

2.6Fuel for Equipment

For the offshore operations the diesel/fuel will be provided by OIL. However, any other lubricant, hydraulic oils, grease, etc., if any, is required for its usage is responsibility of the contractor.

Also if any fuel, oil, petrol, lubricants, if required for maintenance or any tests at contractors shore base is responsibility of contractor.

2.7Equipment Delivery

All the items of the Coil Tubing services need to be delivered will be inspected

and certified by TPI at bidder's cost. It would be bidder's responsibility to inform OIL as soon as the equipment / tools are received at their Kakinada yard / Base for inspection.

2.8 General Equipment Requirements

The general Coiled Tubing (CT) equipment are outlined in this section, specific functional specification are located in the Scope of Work of this document. The Bidder should follow API 5C7 and API RP 16ST, DNV Offshore Standard OS-E101 for all equipment supplied.

2.8.1 Well Control Equipment

All CT well control equipment should be manufactured in accordance with API 16A, API 16C, and API 6A, wherever it is applicable. The selection of well control equipment for a given application should be conformed to the manufacturers' recommendations. All well control equipment, inclusive of surface piping, manifolds, valves, and fittings exposed to hydrogen sulfide will be in accordance with NACE MR 0175 / ISO 15156.

Well control hoses and connections from BOP to safe area for secondary and tertiary well control purpose will be fire resistant, capable of withstanding 1100 deg C for minimum 3 minutes. Fire testing will be in accordance with API 6D.

2.8.2 Coiled Tubing Injector

The coiled tubing injector will be capable of generating sufficient force to pull (tension) and thrust (compression) force for the operations intended. CT Injector should have pull capacity of 80,000 lbs, Snubbing capacity of 40,000 lbs. All chains, sprockets and other moving parts will have safeguards to prevent injuries and accidents.

The injector support will be adequate to prevent bending that could cause potential damage to the wellhead, tree or well control equipment.

2.8.3 Tubing Guide Arch (Gooseneck)

The tubing guide arch will have the recommended radius for well intervention work. The end of the tubing guide arch will be constructed to accommodate changing fleet angles and prevent damage to the coiled tubing.

2.8.4 Reel and Coiled Tubing

The reel weight with coiled tubing will have a minimum radius for 1.75" coiled tubing. The reel skid with accessory equipment will not exceed the crane lifting capacity as outlined in Crane load chart may be provided on request by bidder. No separate payment on fatigue of the reel or back up reel will be paid to the Bidder. Bidder should be prepared to operate in the well environment given above irrespective of the brine used in the well and without any additional payment consideration for such operation except as stated in Price Schedule.

2.8.5 Power Supply

The power supply will be configured to provide all mechanical, hydraulic, pneumatic or electrical 'power to the coiled tubing equipment.

2.8.6 Monitoring Equipment

The control console will have gauges to monitor critical well control parameters on CT well including but not limited to pipe fatigue, pressure, fluid rate, depth, etc. In addition a Data Acquisition System (DAS) will be required to record critical operational and equipment parameters. Recorded electronic Job log will be provided by bidder after completion of each job. All the electronic monitoring devices will have back-up.

2.8.7 Elastomers

The planned services for well intervention may include hot live oil / gas wells. Bidder will ensure that the BOP elastomers and grippers (two required) will be suitable for 300 F and 10000 psi. Contractor should verify each component is compatible with any corrosive fluids that might be produced from the well or introduced as part of the CT operation. Contractor is not responsible for flow back operations. However, the return fluid (Corrosive Wellbore/ Well Fluids, gas), if any from the well may be flowed through CT & Tubing annuls (if required). Hence, every component of CT including CT pipe, Injector, etc. should be compatible to any corrosive fluids that might be produced from the well or introduced as part of the CT operation. Elastomers which will be used in down-hole equipment must have a capability to sustain to 300 deg F.

2.8.7.1 Elastomer Selection

Elastomer selection criteria will include the following performance parameters:

- Rapid gas decompression
- Chemical compatibility
- Temperature performance range
- Extrusion resistance
- Abrasion/erosion resistance and
- Pressure rating

Bidder should refer to API 6J for additional information on testing of oilfield elastomers.

2.8.7.2 Rapid Gas Decompression (RGD)

Ram seals are vulnerable to RGD in well interventions. The decompression rate below 1,000 psi is critical. The bleed down rate should follow manufacturer's recommendations to avoid RGD and resulting seal failure.

2.8.7.3 Temperature Performance Range

The elastomers must perform across the range of temperatures encountered during operations Bidder should be aware of critical operations where temperature range changes typically occur:

- Ambient temperature extremes before, during and after the operations
- Wellbore temperatures
- Bleed down operations causing cooling due to the Joule Thompson effect

- Heated treatment fluids
- Cryogenic fluids

2.8.7.4 Operational Procedures

Bidder should be aware of procedures to maintain temperatures within the OIL requirements. The following options should be considered where applicable and proposed to OIL during pre-job planning of well intervention activities:

- Continuous injection of cooling fluids (in hot environments) or heated fluids (in cold environments) across the well control stack rams and piping, and
- Controlling the external operating environment of the well control stack and piping.

2.8.7.5 Abrasion/Erosion Resistance

Bidder will provide recommendations to minimize the effects of abrasion and erosion of elastomers, Bidder will ensure the material selected for the well control stack and the stripper are appropriate for the operation, rams are retracted and out of the fluid flow path.

The strippers will be suitable for abrasion by pumped fluids, sand cleanouts and milling operations.

2.8.7.6 Pressure Rating

All elastomers will be suitable for the pressure rating of the equipment component in service.

3. EQUIPMENT SPECIFICATIONS

3.1 General

OIL's equipment requirements for Coiled Tubing Services will be suitable for safe and efficient operations. The following equipment specifications are designed to meet the planned mechanical and pumping applications anticipated mentioned in Scope of Work. Bidder will propose any equipment required and not specified in the tender, such proposed equipment will comply with applicable API/ISO standards. The surface and Down hole tools will be fit for purpose. Any omissions by OIL does not relieve the Bidder from following manufacturer's recommendations or/and sound industry practices. Any deviations from the equipment specifications or recommendations to improve efficiency and complies with OIL well control requirements, pressure requirements and material requirements should be submitted for OIL's consideration.

3.2 Coil tubing Units

3.2.1 High Pressure Nitrogen Unit (Will be made available through OIL's existing Well Testing Services)

3.2.2 High Pressure Coil Tubing Unit

I) Coil Tubing and Reel

a. The Coiled tubing Reel will have the following requirements

- 2" WECO 1502 Union connection.
- Reel swivel and stub shaft will be rated to 10,000 psi working pressure.
- Friction Wheel depth counter or encoder with mechanical backup
- Coiled tubing string and reel will be skid mounted with lift and crash frame to prevent damage during lifting, loading and unloading and transportation from shore base to offshore location and vice versa.
- The CT reel should be equipped with a hydraulic brake system and a mechanical backup system in the event of loss of hydraulic power.

b. Reel capacity will be sufficient height and width to accommodate 4500 meters of 1.750" coiled tubing and allow for two inches of freeboard.

c. Coil Tubing OD & length to be 1.75" x 4,500m.

d. Metallurgy of CT pipe should meet standards API 5 ST (5CT-5C7), NACE MR0175

e. Suitable for well condition stated before (Section: 1.1.1)

f. High pressure coiled tubing with grade 90,000 lbs yield strength (minimum). Wall thickness of coiled tubing must be computer simulated and selected to suit operational requirement.

g. Burst & Collapse should meet the API RP 5C7 standards and the Max anticipated wellbore condition calculated by CT vendor for well condition stated before (Section:1.1.1)

h. The method of welding the Coiled tubing will be bias welded. No butt weld is allowed.

i. The CT should be designed as per API 5C7 Standard.

j. Bidder need to provide the weight of the Reel with 4500m length of 1.75" Coil.

k. Bidder needs to maintain & provide Backup reel & CT String without any extra cost to the company so as to avoid interruption/delay in the Operations.

l. Bidder should have Yard Spooler, Capable of removable spools, ability to spool off working reel and swap to new spool to working reel.

II) Pressure Control Equipment

All of pressure control equipment must be connected by API flange rated to 10,000 psi. This also applies for tree adaptor flange and riser. BOPs, 10,000 psi WP (minimum), suitable for 300 F.

Coil Tubing BOP

a. The standard BOP configuration will be a quad described top to bottom, and their functions:

i. Blind ram – seals the wellbore when the CT is out of the BOP
ii. Shear ram – cuts the CT and seal the wellbore.
iii. Slip ram – supports the weight of CT hanging below it
iv. Pipe ram – seals around the hanging CT

Combi BOP system will also be acceptable.

b. The design, maintenance and certification should be as per API RP 16ST. Bidder should refer to API 16ST Paragraph 4.2.6.6 for the well control stack configuration and acceptable barrier requirements. The seals of BOP and Stripper should be rated for 300 deg F.

c. Dual combi BOP will be installed first on DP/flow-head and frac tree.

d. Kill ports will be available in the stack.

e. Kill port, each kill port on quad or combi BOP to be equipped with double isolating gate/plug valves. Those valves are flange connected and remote control.

f. Flow cross to be installed between BOPs. Each side of flow cross must have 1 flanged remote-operate hydraulic & 1 manual flanged gate valves.

Stripper (Packer or Stuffing Box)

a. OIL requires two single strippers to be available for most planned operations. For high pressure operations and jobs where abrasive fluids are circulated to surface two single strippers or a dual stripper will be required with a radial secondary stripper, (Optional). The hydraulic stripper pressure will be maintained regardless of prime mover operation. A backup system incorporating a hand pump or air pump system will be used

b. The Stripper will have the following attributes:

- Suitable for 10,000 psi working pressure (static) when coiled tubing is stationary
- Stripper elements suitable for 300 deg F surface temperature
- Flanges connections in accordance with API 6A
- Side Door access for ease of changing out rubber seals
- Injection port to enable injection of inhibitors and / or lubricants

Injector Head and Control Cabin

a. The injector head should be for the 1.75” coil tubing.
b. Injector size should have ability to fit with the available Track Stack (Jacking frame). Bidder shall arrange compatible adapter for NOV supplied Track Stack Jr (8x8) Tower Package, if required, with no extra cost to OIL. Bidder can get the details of jacking frame from OIL.
c. The injector head will have the following attributes:
    - Control Cabin Unit should be Zone-2 Compliance.
    - Injector Head unit should be Zone-1 Compliance.
    - Ability to apply sufficient dynamic axial force to the CT to control movement into or out of a well
    - Sufficient traction to avoid slipping on the CT

- Sufficient static force to hold the CT when stopped
- Depth Counter
- Injector Head c/w swivel strut-support-gooseneck & support frame, complete with suitable anti-bulking guide.
- Two independent depth measurement devices required

Coiled Tubing Power Pack

a. The power pack must be suitable to supply relatively high-volume, low-pressure hydraulic fluid to dynamic equipment (injector head and reel) and relatively low-volume, high- pressure hydraulic fluid to static devices (stripper and BOPs).
b. Power Pack should be Zone 2 Compliance.
c. All power packs must be equipped with accumulator with sufficient pre-charged pressure and hydraulic volume enough to activate a full close-open-close BOP's cycle. Bidder will supply a power pack with a diesel engine.

Coiled Tubing Lifting Frame (CTLF)

a. Should be modular design to meet required Tension capacity, structural integrity and heave compensation.
b. Should have specific connection points for attaching the coiled tubing injector head, top drive system, and other relevant equipment.
c. Should have the mechanisms for lifting and lowering the coiled tubing incorporated features like hydraulic cylinders, winches, or other lifting systems.
d. Designed and certified to meet industry standards and regulations, such as DNV 2.7-3 (for lifting), API 8C (PSL-1), and potentially ABS or DNV-GL certifications.

Other Requirements

a. Tubing Guide Arch (Gooseneck) will have the recommended radius for well intervention work with 1.75" CT. The end of the tubing guide arch will be constructed to accommodate changing fleet angles and prevent damage to the coiled tubing.

b. Bidder will provide Quick latch Connections to facilitate safe and efficient operations where possible. Bidder will provide technical information on any proposed connections recommended above the stripper, to makeup with wellhead or drill pipe or stabbing into the BOP stack.

c. Bidder Will provide Quick test sub, 2 nos. for easy connect and disconnect of stripper to BOP and will save time between the job by providing pressure integrity in CT stack by means of testing seal, with proper testing equipment only in instead of testing whole CT stack.

3.2.3 Crossovers

Bidder will deploy sufficient numbers of crossovers (minimum two) 3 ½", 12.95 PPF, Gr. L80, LT6 tubings and Well test Flow head to coil Tubing BOP API flange rated to 10,000 psi suitable for well condition mentioned in SOW. T connections of the flow head, Drill pipe 3 ½" and 4 ½" Tubing, Flow tree are as follows:

- 3½” Tubing: 12.95 ppf PH – 6 tubing.
- 4½” Tubing: 17 ppf PH-6
- Flow head top/handling sub top - 6-1/2" - 4 - ACME OTIS- Box, 10K
- Wing: 3” FIG 1502

Bidder will also provide following X-overs:

1. X-over from External Connector to TIW valve in case of CT Cutting
2. TIW to 1502 in case for Pumping Operation for CT Cutting
3. X/O: 3-1/16” x 4-1/16” Flange Connection 10 K API Flange- 3 nos.

a. Any other crossover that may require for successful execution of the intended operation.
b. The pressure rating of the crossover will be 10,000 psi
c. The temperature rating of the crossover will be 300 deg F for down hole usage & 250-F for surface usage
d. The crossover should be suitable for sour service and compliant with NACE MR 01 75
e. All applicable ASTM / API standards will have to be complied with.

3.2.4 Coil Tubing Down hole Tools

a) Down hole Tools compatible with 1.75” CT including but not limited to:

- High pressure CT connector.
- High pressure double check valve.
- Motor Head Assembly Knuckle joints
- Straight joint/ Sinker Bar
- Disconnect sub – shear & hydraulic release
- Jetting nozzle
- High pressure jetting service
- Rotating jet service

b) Coil Tubing Fishing Package

- Dual Acting Hydraulic Intensifier
- Dual Acting Hydraulic Jar (flow activated or reset by Pumping)
- 2.5” Hydraulic release JDC overshot for 1.375” external fish neck
- 2” Hydraulic release JDC overshot for 1.375” external fish neck
- 2.5” Hydraulic release GS pulling tool for 1.81 – 1.83” internal fish neck
- 2” Hydraulic release GS pulling tool for 1.38”-1.40” internal fish neck
- 1.5”, 2.25”, Hydraulic release JDC overshot for 1.375” external fish neck
- 1.5” Hydraulic release JDC overshot for 1.185” external fish neck
- Bowen Overshot
- Overshot Skirt/ Cut-lip housing
- CT to slick-line crossovers
- 2.5”, 2.25”, 2” Super Magnets
- 2.5”, 2.25”, 2” Pump Through Magnets

3.2.5 Coil Tubing Specialized

a) Down hole Tools

- CT Services for sand / debris / scale / organic deposit removal / Cleanout with suitable fluids and tools
- Abrasive jetting tools
- Bi-Directional Jar / Hammer

b) Coil Tubing Milling Package

- Suitable Milling Motor Package (300 Deg F and 10 K usable in OIL well condition & usable fluids (ZnBr2, CaBr2, CaCl2, KHCO3, Cs Formate, WARP)
- 2.5" Inserted Mill

Required Down hole tools should be rated to 300 Deg F, 10,000 psi Working Pressure, suitable for Sour Service.

c) CT Dart and Dart Catcher

- 1.75" Wiper darts – for cleaning the ID of the CT after pumping cement slurry
- Dart Catcher – to capture the dart at the end of the string
- Dart Launcher – to load the darts into the CT string
- Back Pressure Valve – allows the heavier cement slurry to be "laid" into the well instead of u- tubing.

Note: The equipment listed above is based on previous experiences and Company best understands of the requirements. However, the Bidder should highlight and propose any or all equipment which is missed out in the list above, but which would be required for the CT Jobs listed in 2.3. Each of above tool mentioned in each category will have one primary and one B/U tool with sufficient inventory of spare to cover tool failure or damage situation during the Operation.

3.2.6 Acid Pickling, Bull heading, Jetting and Spotting services

It is responsibility of the contractor to suggest for the acid recipes (including raw acid, corrosion inhibitor, iron control agent, universal solvent, scale inhibitor etc.) based on the field and well details for pickling and spotting operations. Contractor is required to include any addition chemicals required i.e. neutralizer for safe operations. MSDS for all the chemicals suggested must be submitted to OIL. The contractor should make sure that the crew is equipped with suitable PPE (Personal Protective Equipment) while handling acid.

The contractor should provide bull nose, pulsating, jetting tool and any other jetting tool capable of pumping acid through it.

The contractor should provide facility to transfer acid and other chemicals from the supply boat. Any additional iron/ hose/ x-overs/ transfer pump required for the transfer of the acid is contractor's responsibility.

3.2.7 Pumping Services Positive displacement pump

- Pumping capability: 0.7-3 BPM at 10,000 psi pumping pressure
- Minimum 500 HHP on callout basis.

- Capability to pump acid, scale inhibitors, brines, corrosive fluids and any other chemicals required for all the jobs mentioned in SOW.
- Pressure recording, Rate measurement option at the DAS panel with the capacity of chart recorder.
- In-line flow meter for fluid rate measurement downstream of pump

Attachment III

A. The Acid / Frac Stimulation Crew

1.1 Base Manager:

Category	Function	Experience
Base Manager	Complete Co-ordination & follow up of Offshore Stimulation & Marine Operations, maintenance of equipment, deployment of required crew, reporting & liaison with OIL and Lead Manager for operating the safety management system (SMS) as per ISM guidelines. Should be capable of analyzing the stimulation treatments carried out on daily basis and submit a report on weekly basis. Also, should suggest remedial measures for further improvement if any.	Engineering degree with 5 years of experience in management of stimulation vessel/ Rig with experience in co-ordination of stimulation /fracturing/Acidization operations under Offshore well along with documentary proof.

1.2The Acid / Frac Stimulation Crew Composition

In addition to Base Manager, the regular minimum crew composition of the stimulation personnel to be deployed on the Vessel / Rig shall include:

SN	Category of Personnel	Nos.
1	Stimulation Engineer	1
2	Stimulation Supervisor	1
3	Equipment Operator	2
4	Laboratory Technician	1
5	Mechanic Technician	1
6	Electronic Technician	1
7	Helpers	2
8	Data Acquisition Specialist	1
	TOTAL	10

Note:

The deployment of personnel for Stimulation operations with vessel / Rig shall be as per job requirement, job location as decided by OIL.

Age of Stimulation Crew should not exceed 60 years during the contractual period.

1.3 The Crew Personnel – Functions & Experience

The stimulation personnel to be deployed by the Contractor under various categories, their broad functions & duties including minimum experience is indicated below against each of the categories. English being the official language of the Contract the personnel engaged should be able to communicate in English:

Category	Function	Experience
Stimulation Engineer	Complete Co-ordination & follow up of Offshore Stimulation & Marine Operations, maintenance of equipment, deployment of required crew, reporting & liaison with OIL and Lead Manager for operating the safety management system (SMS) as per ISM guidelines.	Engineering degree with minimum 5 years of experience in co-ordination of stimulation / fracturing / Acidization operations under Offshore well along with documentary proof.
Stimulation Supervisor	Overall control & responsibility of operations & maintenance, inventory management, Safety officer for SMS	3 years of experience as Stimulation Supervisor on Stimulation Vessel/ Rig under Offshore well along with documentary proof.
Equipment Operator	Overall control & responsibility of operation of Acid treatment / fracturing equipment on the vessel during period of vessel deployment. And, Rig up and Rig down of line connections loading and mixing of chemicals, Assistance in repairs and maintenance of equipment.	3 years of experience as stimulation operator on Stimulation Vessel/ Rig under Offshore well along with documentary proof.
Data Acquisition Specialist	Operation and maintenance of the electronic data acquisition systems.	2 years of experience as Data Acquisition Specialist under Offshore well conditions along with documentary proof.
Laboratory Technician	Operation and maintenance of stimulation lab equipment	2 years of experience as Laboratory Technician under Offshore well conditions along with documentary proof
Stimulation Mechanic	Maintenance of stimulation / marine equipment, forecasting requirement of spares	2 years of experience as Mechanic cum stimulation operator under Offshore well conditions along with documentary proof.
Electronic Technician	Responsible for maintenance of electrical & electronic instruments	2 years of experience as Electronic cum stimulation

Category	Function	Experience
	on the vessel	operator under Offshore well conditions along with documentary proof.
Helper	General Assistance	01year experience as helper in offshore with documentary proof

B. The CTU Crew

1.1 The Crew Composition

The regular crew composition of the CTU personnel to be deployed on the Rig / vessel shall typically include:

SN	Category of Personnel	Nos.
1.	Coil Tubing Engineer	1
2.	Coil Tubing Services Supervisor	1
3.	Coil Tubing Operator	1
4.	Coil Tubing Operator Assistant	2
	TOTAL	5

Note:

The deployment of personnel for CTU shall be as per job requirement, job location & priority of jobs to be decided by OIL.

Age of CTU Crew should not exceed 60 years during the contractual period.

1.2 The Crew Personnel – Functions & Experience

The CTU personnel to be deployed by the Contractor under various categories, their broad functions & duties including minimum experience is indicated below against each of the categories. English being the official language of the Contract the personnel engaged should be able to communicate in English:

Category	Function	Experience
Coil Tubing Services Supervisor	Overall responsibility of CTU operation, maintenance & inventory management.	2 years of experience as Coiled Tubing Supervisor under Offshore well conditions along with documentary proof.
Coiled Tubing Engineer	Engineering Support during Operation from base office.	2 years of experience as Coiled Tubing Engineer under Offshore well conditions along with documentary proof.
Coil Tubing Operator	Operation & maintenance of CTU unit and job execution.	Experience (min 3 years) in operation of CTU for Offshore wells along with documentary proof
Coil Tubing Operator Assistant	Rig up/ rig down, general assistance in maintenance etc.	Experience (min 2 years) in operation of CTU for Offshore wells along with documentary proof

a) Personnel will be on a callout basis. Personnel should meet the global standard for each title. Personnel deputed on rig should have capability for maintenance of all CT equipment available on Rig The crew shall be responsible for the

following:

- Perform all pre-job checks on the equipment at the base.
- Prepare load out lists to include all parts, tools and spares of the equipment.
- Ensure the equipment is safely packaged.
- Ensure equipment is safely kept in Bidder's base in proper and orderly manner with proper tagging.
- Maintain adequate stock and inventory of tools and spares at the Shore Base to perform uninterrupted work program.

b) Conceptualize needs of Company's Testing and Completion program and pro-actively suggest alternative means to achieve the objective.

c) Personnel should have capability to operate Jack up/ Track Stack frame

d) The crew supervisor should have experience of Coil Tubing Milling, Jetting, Fishing, Acid jobs, Frac Cleanout etc. Crew Supervisor should also have experience to run all tool provided by bidder.

e) The crew should have experience of rig up, performing the Coil Tubing, Nitrogen job and Acid on Floater Rigs / Vessel as applicable.

f) The Bidder will be responsible for any MOHA or other clearance for sending the crew offshore.

g) The Crew should have an Electronic technician & Mechanical technician during CT Rig up to avoid major downtimes at no cost to company. Bidder to provide the CVs of each crew member proposed for the project and gets approved by the COMPANY before sending offshore.

APPENDIX – 1

The contractor's and OIL's responsibilities will be as per the Matrix of Responsibilities provided in the bid document / Contract at Appendix 2.

RESPONSIBILITY MATRIX

Responsibility Matrix –Acid Treatment / Fracturing of 02 Nos of Oil/Gas Wells			
NO	**DESCRIPTION**	**RESPONSIBILITY**	
		COMPANY	**CONTRACTOR**
1.00	**Project General**		
1.01	Provision of Vessel and Licenses, clearances & permits for operating vessel and necessary Port yard at Kakinada	**X**	
1.02	Mounting, Sea fastening, Dismantling of Acid treatment / fracturing equipment on Vessel including obtaining clearances from Vessel / Rig class certification agency / Warranty Surveyor		**X**
1.03	Rig-floor for placing CT & FPU equipment	**X**	
1.04	Mounting & Sea fastening of CTU – FPU equipment on Rig including obtaining clearances from Rig class certification agency		**X**
1.05	Provision of Offshore Drilling rig services including drilling / Well Testing manpower	**X**	
1.06	Provision of Packer, Frac-string (Tubing/DST), Sub-sea BOP, Sub-sea Test Tree, Wellhead / Control Head and Surface Flow-head.	**X**	
1.07	Provision for Well Testing including manpower	**X**	
1.08	Provision of surface facilities for flow back	**X**	
1.09	Acid treating/Frac job Design & execution, Supervision and evaluation of Flow back program		**X**
1.10	Well Preparation/Completion Plan	**X**	**X**
1.11	Well Preparation & Completion	**X**	
1.12	Providing the Acid treating/Fracturing equipment consumables and services for Acid treating/Fracturing, neutralization, solvent treatment, scale removal jobs (as required).		**X**
1.13	Provision for Wire line Services for logging and Perforation.	**X**	
1.14	Provision of Drill / operational Water for fracturing.	**X**	
1.15	All stimulation equipment (Acid treating/ fracturing, FPU & CTU), execution and supervision of jobs including manpower		**X**
1.16	Flow back & unloading using CT, including well cleanout.		**X**
1.17	Provision of N2 with NPU services for flow-back operations.	**X**	
1.18	Flowback plan		**X**

Responsibility Matrix –Acid Treatment / Fracturing of 02 Nos of Oil/Gas Wells			
NO	**DESCRIPTION**	**RESPONSIBILITY**	
		COMPANY	**CONTRACTOR**
1.19	Provision for CTU & FPU equipment with all tools & accessories including operating manpower. (CTU & FPU may be placed at Rig floor & FPU may be placed at Rig / Vessel).		**X**
1.20	Provision for down-hole equipment (if any), Fracturing Chemicals, Clean-up fluids related with fracturing and clean-up operation/activation		**X**
1.21	Provision of acid formulation along with acid pumper, neutralizer and tanks on the Rig		**X**
1.22	Preparation of Acid, Fracturing, clearing of sand plugs, and activation program		**X**
1.23	Approval of Acid program, Fracturing Program, Pre-Frac & Post-Frac Operations	**X**	
1.24	Well Control Liability	**X**	**X**
1.25	Clean Up Liability within the vessel & rig including safe disposal		**X**
2	**Preparation of Stimulation / Acid / Fracturing Program**		
2.1	**Review of Existing Data (as available)**		**X**
2.1.1	Providing the available Drilling/ Geological/ other Data	**X**	
2.1.2	Providing Existing Open Hole and Cased Hole Log Data	**X**	
2.1.3	Providing Core and fluid samples for lab test as per availability	**X**	
2.1.4	Well Test Data	**X**	
2.1.5	Interpretation of the data		**X**
2.1.6	Laboratory tests as required		**X**
3	**Operations**		
3.1	Medivac, if any, up to shore base	**X**	
3.2	Firefighting facilities	**X**	**X**
3.3	Disposal Equipment	**X**	**X**
3.4	Crane with manpower at Jetty	**X**	
3.5	Adequate Lighting for Operation	**X**	
3.6	Provision for Diesel Supply at the site (Vessel / Rig) for frac jobs and contractor's equipment / units	**X**	
3.7	Provision for storage of chemicals in the Rig floor in rig / vessel i) Space for storage (sufficient for 2 jobs as per job requirements) Storage of chemicals and proppant at OIL provided Vessel / Rig	**X**	**X**
	ii) Stacking and proper coverage of chemicals, hardware etc.	**X**	**X**
3.8	Accommodation and Catering for all Contractor personnel on Rig / Vessel	**X**	
3.9	Transportation of the Contractor Personnel to the Offshore Rig from helibase	**X**	

Responsibility Matrix –Acid Treatment / Fracturing of 02 Nos of Oil/Gas Wells			
NO	**DESCRIPTION**	**RESPONSIBILITY**	
		COMPANY	**CONTRACTOR**
3.10	On land Boarding, Lodging, and Transportation of Contractor Personnel		**X**
3.11	On land Transportation – Contractor's equipment and material		**X**
3.12	Inter location Transportation of Vessel containing Contractor's Equipment and materials	**X**	

SECTION-III (PART – II)

(REVISED)

SPECIAL CONDITIONS OF CONTRACT (SCC)

Following terms and expression shall have the meaning hereby assigned to them unless the context requires otherwise. The expressions not defined here shall have the meaning ascribed to them in Section-I: "General Conditions of Contract". Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

1.0 DEFINITIONS

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

i. "**Services**" means the associated services to be provided by the contractor for supporting and carrying out drilling operations, well testing and well abandonment in accordance with the "Scope of Work" mentioned at Section-II in this Contract but not limited to
   a) All equipment, consumables from Contractor required for OIL's operation and
   b) All equipment, spares required for servicing / maintenance of Contractor's Equipment, as stipulated in the "Scope of Work" at Section-II in this Contract.

ii. **"Drilling Unit"** means Anchor Moored Semi-Submersible Drilling Unit complete with pumps, power packs, drilling equipment and other accessories.

iii. **"Vessel"** means Offshore supporting vessel designed for logistical support of offshore oil and gas platforms with deck area for performing offshore operations like loading, transport, execution of intended services.

iv. Company means hereafter as "Oil India Limited".

v. "**Operating Area**" means those areas in Andaman Basin offshore in the East Coast offshore Indian waters in which the company or its affiliated company may from time to time be entitled to conduct drilling operations.

vi. "**Location**" means the surface coordinates as specified in the Contract and other places, on/under/in or through which the services are to be executed by the Contractor provided by the company for working space or any other purpose as designated hereinafter as forming part of the location.

vii. **"Shore Base"** means the logistics support base where the Contractor's, Company's and Company third party personnel and equipment will be shipped, stored, maintained and delivered to support the offshore Drilling Unit as per the Contract. Shore base services will be at Port Blair and Kakinada, Andhra Pradesh for the Andaman and Nicobar Islands wells.

viii. **"Operation Base"** means the place or places, onshore, designated as such by Company from time to time.

ix. "**Company's items**" – if any means the equipment, materials and services – if

any, which are to be provided by company at the expense of company and as listed in the Contract.

x. "**Contractor's items**" means the equipment; materials and services, which are to be provided by Contractor or company at the expense of the Contractor which, are listed in section under terms of reference and technical specifications.

xi. "**Contractor's personnel**" means the personnel as mentioned under section terms of reference and technical specification, to be provided by Contractor from time to time to conduct operations hereunder.

xii. **"Contractor's representatives**" mean such persons duly appointed by the contractor thereof at location / Base to act on Contractor's behalf and duly notified in writing to the Company.

xiii. **"Day**" means a calendar day of twenty-four "24 consecutive hours beginning at 00:00 hrs. and ending at 24:00 hrs.

xiv. "**Approval**" as it relates to Company, means written approval.

xv. "**Commencement Date**" means the date on which the contractor completes the mobilization successfully under this Contract.

xvi. **"Spudding in of the well**" means the initiation of drilling of the well at the location after alignment and after the Drilling Unit preparation is complete in all respects subsequent to clearance from naval, safety, audit and the Company Representative.

xvii. "**Drilling Operation**": Means all operations as generally understood for drilling Company/Gas wells, more particularly all the operations required to be carried out pursuant to this Contract.

xviii. "**Inter-location movement**" means the last anchor racked by the Drilling Unit from the present well location after issuance of Rig release notice by the Company Representative till the first anchor dropped by the Drilling Unit at the next designated location.

xix. "**Facility**" means and includes all property of Company owned or hired, to be made available for services under this Contract and as described in this agreement which is or will be a part of the Company.

xx. "**Certificate of Completion**" means certificate issued by the Company to the Contractor stating that he has successfully completed the jobs/works assigned to him and submitted all necessary reports as required by the Company.

xxi. **"Equipment"** means equipment required for Acid treating/fracturing operation with associated services (Acid handling, CTU & FPU) as listed in the Contract.

xxii. **"Contractor's Base"** means where the Contractor will establish camp for their equipment and personnel at Kakinada. The Contractor has to carry out maintenance for the equipment in the base camp.

xxiii. **"Acid treatment/fracturing & CTU – FPU Operation"** means all operations required to be carried out pursuant to this contract.

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

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

the contract. The date of issue of Letter of Award (LOA) by Company to the Contractor shall be the Effective Date of the Contract.

2.2 DATE OF COMMENCEMENT OF THE CONTRACT:

The Contract shall commence after successful completion of Mobilization at Contractor's Shore base, Kakinada as per the mobilization schedule, mentioned in SCC clause 2.3, and are in readiness from all respects to commence operations as per the respective Scope of work and duly certified by the Company Representative. The next day of mobilization completion herein referred to as "Commencement Date".

2.3 MOBILISATION TIME AND DEMOBILIZATION:

The Contractor shall mobilize the Services along with the crew, to commence operations as per Scope of work of individual phases and as per the mobilization schedule to the designated locations detailed below.

Phase / Service	Location	Timeline
Kickoff Meeting & Data Collection	KGB Project Office, OIL, Kakinada	Within 10 days from the date of Mobilization Notice.
Acid Treating/fracturing Fleet including bare minimum consumables for 2 jobs	Kakinada, Contractor's shore base	Within 60 days from date of issuance of Mob Notice
CTU-FPU services.		Within 75 days from date of issuance of Mob Notice
Removal of equipment	Company's Shore Base	Within 7 days from the date of issuance of De-Mob Notice

2.3.1 MOBILIZATION FOR EXECUTION OF ACID TREATMENT/FRACTURING JOB IN 02 NOS. WELLS

Post award of the contract, OIL shall issue mobilization notice for the contract service and following milestones activities shall be completed within the stipulated timeline:

i) Submission of documents for equipment including residual life certification & maintenance records etc., consumables and manpower CV as per terms and condition under ToR / SoW of the tender / contract.

ii) For acid treating/frac services package, the contractor shall bring and place all equipment within 60 days, from date of mobilization notice, at Contractor's Base for on-hire survey by OIL. The Contractor shall intimate the Company in writing about their readiness to on-hire survey at

Contractor's Base. The Company representative will carry out the on-hire survey / inspection of the equipment jointly with Contractor's personnel within 05 (five) working days of intimation received from the contractor.

Post completion of the on-hire survey of the acid treating/fracturing equipment, Company will provide a Vessel at Kakinada Port for sea-fastening of the equipment. The contractor shall complete the sea-fastening of the equipment within 15 days from the date of OIL's handover of Vessel at Port.

iii) For CTU-FPU services package, the contractor shall bring and place all equipment within 75 days, from the date of mobilization notice, at Contractor's Base for on-hire survey by OIL. The Contractor shall intimate the Company in writing about their readiness to on-hire survey at Contractor's Base. The Company representative will carry out the on-hire survey / inspection of the equipment jointly with Contractor's personnel within 05 (five) working days of intimation received from the contractor. Post completion of on-hire survey, the contractor's equipment shall be sent to Rig through OIL's provided vessel for set-up and commencing of operation.

NOTE for (ii) & (iii) : Mobilization of individual service packages will be considered as completed on the date of successful on-hire inspection of equipment, for respective service packages (Acid/frac, FPU & CTU, as applicable) and acids including all other chemicals for minimum 02 jobs, along with necessary documents carried out by Company representative and/or by Third Party Inspection agency.

iv) On-hire inspection of the services shall be done only at the Contractor's shore base. In case, the on-hired equipment are not sent to vessel / rig for sea-fastening due to any reason not attributable to Contractor, then Individual Service Day Rate charges as applicable shall be payable after 7 days onwards from on-hire survey date, e.g., in case on-hire survey is completed on Day 1, then Individual Service Day Rate shall start from Day 8.

v) Company will certify completion of mobilization after inspection, witnessing hydrotest & compliance to the terms & condition of tender/contract. The date certified by the company shall be treated as the date of completion of mobilization.

vi) The succeeding day of issue of mobilization notice shall be counted as day 01 for the purposes of Mobilization period.

vii) Mobilization charges are inclusive of transportation, sea/airfreight, loading/unloading, shipping, wharfage/ demurrage and harbour fees, port or airport fees, packing and handling charges, permit, import clearance charges and all insurance adequate to cover the shipment from the place of origin until arrival at Company's Shore Base at Kakinada.

viii) Company shall have the option to ask for delayed mobilization of the services as per Contract. A minimum notice period of 30 days before the schedule date of mobilization shall be applicable at the time of asking for such delay in mobilization. Mobilization can be delayed for a maximum of 45 days, limited to twice in the duration of the Contract.

ix) De-mobilization charges shall become payable on clearance & re-export of all equipment from Indian Port / Custom authorities for re-export of equipment to Contractor's base or Block Transfer or re-export to SEZ as permissible under applicable customs rules / regulations and provided Company is out of charge after Block Transfer or re-export to SEZ. However, Company shall not pay de-mobilization charges of services/tools/units/sets etc. which are not re-exported on completion of Contract/termination and also if the Contractor deploys such services/tools/ units/sets etc. against any other contract(s) for Company in India.

The demobilization charge will include all expenses for inland transport, sea-freight/airfreight, loading and unloading, shipping, wharfage and harbour fees, port or airport fees, packing and handling charges, permit or octroi charges (if any), export clearance charges and all insurance adequate to cover the shipment until arrival at Contractor's base in the country of origin / port of origin.

2.3.2 De-hiring of Services: De-hiring of services/tools/sets/items etc. shall be as follows unless specified otherwise in the scope of work of any service:

a. Regular services/tools/sets/items – On receipt of notice / offloaded at Company's Shore Base.
b. Call out/optional services/tools/sets/items – After completion of job and upon offloading at Company's Shore Base.

Note: A kick-off meeting for mobilization shall be held within 10 (Ten) days from the date of issue of the mobilization notice which the Contractor should attend and submit the schedules along with various dates. After the kick-off meeting Contractor shall submit fortnightly report or any other report as desired by The Company showing progress in each activity of mobilization.

2.4 Duration of contract: This CONTRACT shall remain valid for a period of 06 (six) months from the date and time of commencement, extendable by another 03 months at the same rates and terms & conditions or for 02 wells in Andaman offshore blocks with a provision to extend the services for additional one well at the same rates and terms & conditions, whichever is earlier. However, for any ongoing job, the contract duration will get automatically extended till its completion.

3.0 LIQUIDATED DAMAGES FOR DEFAULT IN TIMELY MOBILISATION:

3.1 Time is the essence of this Contract. In the event of the Contractor's default in

timely mobilization & completion within the stipulated period as per SCC clause for commencement of operations, the Contractor shall be liable to pay liquidated damages @ 0.5% of the total Contract cost, per week or part thereof of delay subject to maximum of 7.5% of total contract cost.

3.2 Company shall have at any time but after the stipulated period for mobilization, the right to terminate the Contract in the event Contractor fails to deploy all services at the designated locations within aforesaid period, without prejudice to any other clauses including LD Clause. The parties agree that this is a genuine pre-estimate of the loss/damage which will be suffered on account of delay/breach on the part of the contractor and the said amount will be payable on demand, without there being any proof of the actual loss or damages caused by such delay/breach.

3.3 In case the Contractor fails to mobilize and deploy the services along with crew and/or are not ready to commence operations, Company shall have, without prejudice to any other provision in the contract including sub clause below, the right to invoke the performance security, forfeit the amount of performance security and terminate the contract. Apart from termination, Contractor will be put up on holiday of two years (CONSEQUENCES OF TERMINATION).

3.4 If the Contractor is unable to mobilize / deploy the Services within the mobilization period specified in clauses above, it may request the Company for extension of the time with unconditionally agreeing for levy/payment of Liquidated Damages. Upon receipt of such a request, Company, at its discretion, may extend the period of mobilization and Company as its sole remedy can recover from the Contractor as ascertained and agreed Liquidated Damages as under of the Contract conditions.

4.0 TERMS OF PAYMENT: As per the SOR clauses, subject to submission of End of Job Report on completion of each job. Company agrees to pay the Contractor for work performed/services rendered and material/equipment supplied and personnel deployed by the contractor as per the Scope of Work, a sum computed at the rates specified in the price schedule of Contract. The rates payable shall be firm during the entire contract period, including extension period, if any.
Submission of Invoice: All invoices are to be uploaded through Vendor Invoice Management (VIM) portal only.

5.0 INDIVIDUAL SERVICE DAY RATE (ISDR)

5.1 Contractor shall be paid Individual Service Day Rate (ISDR) for the services for acid treatment/frac from the time they are mobilized at the respective designated locations as per the Mobilization clause 2.3 of SCC and made ready in all respects to start operations, during entire period of the Contract, except when specifically, otherwise provided for in this Contract as per the rates given at rate schedule.

In case, the equipment (Acid/frac, FPU & CTU) which require sea-fastening at vessel /rig are not sent to vessel/rig after on-hire survey due to any reason not attributable to Contractor, then ISDR Charges as applicable shall be payable after 7 days onwards from on-hire survey date, e.g., in case on-hire survey is done on Day 1, then ISDR Charges shall start from Day 8. However, if any of the Equipment / Tools of the above service(s) are found to be defective or not in operating condition as per its intended operations during hookup or pressure testing or startup / commissioning operations at Offshore Drilling Rig / Vessel, the ISDR charges shall be revoked from the date of consideration till the Equipment / Tools / Services are brought into operation.

ISDR for acid treatment/frac equipment will not be paid for the duration when Charges for sea-fastening & dismantling of sea-fastened equipment are payable. ISDR Charges shall not be paid when the equipment(s) are offloaded from Vessel as per interim demobilization / demobilization notice.

5.2 Contractor shall be paid Individual Service Day Rate (ISDR) for CTU-FPU Services from the date & time of mobilization completion and made ready in all respects to start operations as per instruction of the Company and as per the Mobilization / remobilization clause 2.3 of SCC, except when specifically, otherwise provided for in this Contract as per the rates given at rate schedule.

5.3 ISDR charges shall not be payable for the duration when the OCDR charges are payable during operation in well for individual services.

6.0 OPERATING COMPONENT DAY RATE (OCDR)

Contractor shall be paid Operating component day rate (OCDR) whenever applicable for Acid Treatment/fracturing services and CTU-FPU Services as guided in SOR clause. The period shall be pro-rated to the nearest hour.

6.1 ISDR shall not be payable for the duration when the OCDR Charges are payable for that particular service.

6.2 For payment towards any ISDR/OCDR charges, the tool/equipment should always be available in working condition during that period.

6.3 ISDR charges shall not be more than 75% of the quoted OCDR charges.

7.0 SERVICE BREAK DOWN & PENALTIES:

7.1 The Individual Service Day Rate (ISDR) and Operating Component Day Rate (OCDR) charges quoted for that particular service covered in the Acid Treatment/Fracturing Services or /and CTU-FPU Services shall not be paid for such period, that service either:

i) Breaks down,

Or

ii) is not operating or not available as per its intended operations due to which the Drilling unit / other services cannot perform its intended operations,

Or

iii) is not operating or not available as per its intended operations due to which the operation quality is compromised.

7.2 A pro-rata penalty @ 25% of OCDR Charge of the respective services of shut down shall be imposed & deducted from monthly invoices of the contractor in case of non-availability of the services, manpower, tools, equipment resulting into shut down of Well operations and/or rig and or other services. This deduction shall be in addition to the zero rate for the duration of that particular service for which the rig has faced shut down of the operations.

8.0 INSPECTION CLAUSE Company shall get the equipment of hired services inspected on its own or through any of the following internationally reputed third-party inspection agency as per the tender specifications. Company at its option, can nominate any one of the following third-party inspection agencies for inspection of various Acid Treating/Fracturing services and the cost of the third-party inspection will be borne by Company: a) OES, UAE b) LRDISI c) ABS d) Oil field Audit Services Inc., e) DNVGL NDA f) OMCI g) Any other agency nominated by COMPANY.

i) Company will accept the services only after Company/nominated third party inspection agency confirms that the services are as per tender specifications.

ii) Subject to timely mobilisation of TPI Inspector by the Company, the Contractor has to ensure completion of all inspection before the services are allowed to be positioned at the rig/designated locations.

iii) Contractor shall confirm Completion of inspection and complete readiness of stipulated services in all respects, to the satisfaction of Company including conformity to Company tender conditions and specification certified by Company /third party inspection agency prior to commencement of contract.

iv) Notice for inspection as per (ii) above is required to be given by the Contractor 7 days in advance.

9.0 CONTRACTOR'S OBLIGATIONS:

9.1 PERSONNEL:

9.1.1 Contractor shall ensure that its personnel will be competent as required under the service to be provided. However, the Contractor shall provide details of experience, qualification and other relevant data of the personnel to be deployed for scrutiny and clearance by the Company before the actual deployment, i.e., within the mobilization period. The Contractor shall not deploy its personnel unless cleared by the Company. The contractor shall not

replace the key personnel initially mobilised during the contract period, except in the case of leave, illness, and resignation.

9.1.2 The Contractor shall appoint a Base Manager as the Contractor's representative who must be in charge of the project and must be primarily based in Kakinada. However, he will be required to visit Port Blair as and when required. The Base Manager must have the entire power requisite for performance of the work. He must liaise with other service providers like Drilling rig, bundle service, logistics, shore base services etc., and report to the OIL's Production Engineer, based in Kakinada for the proper co-ordination and timely execution of the job.

9.1.3 The Contractor will provide on regular basis, all category of their employee competent, suitably qualified, and adequately experienced personnel for necessary supervision and execution in carrying out the requisite operations correctly and efficiently throughout the Contract period in a professional manner. Personnel provided by the Contractor must observe all safety and statutory norms applicable to the Company and of the Contractor. Their performance must be to the satisfaction of the Company and the Contractor must be willing and ready to replace, at their own expenses, any of their personnel who are not found suitable by the Company.

9.1.4 The detailed biodata of all the personnel likely to be deployed under the service and the number of additional personnel planned to be deployed must be submitted to the Company with necessary documents before engaging them for Company's approval. List of Expatriates and Indian personnel with their biodata and experience in respective areas of work shall be furnished within 10 days of issue of letter of award and got approved by Company before commencement of the work.

Note: Replacement – if any during the currency of the Contract with equivalent qualification / experience needs Company's prior written approval.

9.1.5 All the personnel must have requisite experience in respective fields and should be fluent in English language.

9.1.6 The Contractor shall be solely responsible for and shall provide for all requirements of his personnel, and of their Sub-Contractor(s), if any. These provisions will include but not be limited to their insurance, medical services, messing, transportation (both air and land transportation), vacation, salaries and all amenities, termination payments, all immigration requirements and taxes, if any, payable in India or outside at no extra charges to the Company. Boarding and local transportation of Contractor's personnel during the entire duration of the Contract shall be arranged by Contractor at their cost.

9.1.7 Contractor will immediately remove the personnel upon receiving notice from

the Company without hampering the operations and replace the personnel at the earliest, who in the opinion of Company, is incompetent, or negligent or of unacceptable behaviour or whose employment is otherwise considered by Company to be undesirable.

9.1.8 All Contractors' personnel shall be conversant with Oil Field Safety and Fire Fighting Practices and shall comply with Company HSE norms and standards.

9.1.9 Contractor shall provide all personal safety gears for Contractor's personnel for safe working.

9.1.10 Contractors deploying foreign nationals required for execution of all work under the Service are required to have all necessary clearances as per the Govt. of India regulations.

9.1.11 Foreign Nationals deployed under the service should have proper work Visa as per the Govt. of India regulations and MOHA clearances as required under law.

9.1.12 Fitness Certificate: All offshore going personnel should have valid Fitness Certificate issued by any Registered Medical Practitioner with minimum qualification of MBBS. The validity of the certificate should be 2 years from the date of issue. Contractor shall ensure to maintain valid certificates for everyone on board and should present the same for verification by Company when demanded anytime during the tenure of the contract. Contractor to submit the Fitness certificates issued post NIT date, at the time of submission of CV for approval by Company during mobilization period. Offshore personnel who have completed 60 years of age will need to submit medical fitness certificate every year.

9.1.13 The quoted day rate of national and expatriate service personnel shall be all-inclusive of their mobilization, local travel, boarding, lodging, and demobilization, including any remobilization. The Company shall provide transportation from Company designated Heli-base to the Drilling Unit /OSV, the Company will also provide accommodation and food while the personnel is on the Drilling Unit/OSV. Any day rates for personnel will be paid only when on the drilling unit/OSV. If any person/personnel are mobilized/remobilized to the Company's Shore Base or offloaded from the Drilling Unit / Vessel by the Company due to any other reason or contingencies at the Company's request, the Company shall pay only the quoted day rate which will be inclusive of local travel, boarding, lodging, etc.

9.1.14 Data Integration: Contractor must have the facility to transmit their data with Rig's communication system for Real-Time transmission.

9.2 FOOD, ACCOMMODATION, TRANSPORT AND MEDICAL FACILITY AT

DRILLING UNIT:

9.2.1 Food & services as per industry practice and first-aid medical service for all personnel on board the Drilling Unit/OSV will be provided by the Drilling Contractor.

9.2.2 Air Logistic transportation of Contractor's and their third-party personnel to the offshore Drilling Unit/OSV shall be arranged by the Company. Contractor will have to arrange their own transportation arrangement up to Port-Blair airport (Company designated Heli base).

9.3 CONTRACTOR'S ITEMS:

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

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

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

9.3.4 The Company shall provide fuel to the Contractor’s Equipment at the Drilling Unit/Vessel only.

9.3.5 Contractor will be responsible for lubricants for operation of Contractors equipment at Contractors cost.

9.3.6 Contractor will be responsible for fuel, lubricant and water consumed at its shore base. There will be no escalation in day rates throughout the duration of the Contract including extension, on account of any price increase in fuel/lubricants, other consumables, etc.

10.0 CONTRACTOR'S SPECIAL OBLIGATIONS:

10.1 It is expressly understood that Contractor is an independent Contractor and that neither it nor its employees and its subcontractors are employees or agents of Company. however, Company is authorized to designate its representative, who shall at all times have access to the existing Drilling Unit, Bundle Services, Logistics, Shore Base & Fracturing Services related equipment and materials and all records, for the purposes of observing, inspecting and designating the work to be performed hereunder by the Contractor. The Contractor may treat Company's representative at location as being in charge of all Company's and Company designated personnel at location. The Company's representative may, amongst other duties, observe, test, check, examine records kept at well site by Contractor and control implementation of all the services provided under Fracturing Service works performed by Contractor.

10.2 Compliance with Company's Instructions: Contractor shall comply with all

instructions of Company consistent with the provision of this Contract. Such instructions shall, if Contractor request, be confirmed in writing by Company's representative.

10.3 Contractor shall arrange for transportation of all equipment, materials, consumables etc. from the port of importation/point of origin to the Company's shore base at Kakinada and back at the end of the work at their own expense. Arrangement of Permits and payment of Entry Tax, if any, for bringing Contractor's equipment / materials / consumables to Company's shore base at Kakinada shall be Contractor's responsibility and at their cost.

10.4 All the equipment, materials, consumables etc. supplied by the Contractor to the Company under the contract, shall be stored in Contractor's facilities at Kakinada and shall be delivered at Company's Shore Base at Kakinada as per operational requirement and when instructed by the Company.

10.5 Contractor should provide the list of items to be imported in the format specified in Proforma-A for issuance of Essentiality Certificate to Custom office for clearance of goods from customs at concessional (nil) rate of customs duty. Similarly, Contractor shall furnish list of all remaining and balance items imported under the Essentiality Certificate for re-export at the end of the Contract and prior to de-mobilization.

10.6 In case the Contractor imports the equipment/materials/consumables etc. on re-export basis, the Contractor shall ensure for re-export of the equipment and all consumables and spares (except those consumed during the contract period) and complete all documentation required. Company will issue necessary certificates etc. as required. The Contractor should arrange for re-export of equipment / materials / consumables within 10 days of notice of de-mobilization issued by the Company. If the re-export is not completed within the specified period, customs duty, penalty etc. levied by customs authorities for such delay shall be to Contractor's account and same will be deducted by the Company from Contractor's bills and security deposit. Note: 'Re-export' used herein or elsewhere in the Contract shall also mean and include Block Transfer or re-export to SEZ as permissible under applicable customs rules / regulations and provided Company is out of charge after Block Transfer or re-export to SEZ.

11.0 CONFIDENTIALITY OF INFORMATION: All information obtained by contractor in the conduct of operations hereunder, shall be considered confidential and shall not be divulged by Contractor or its employees to anyone other than company's representative. This obligation of contractor shall be in force even after the termination of the Contract.

12.0 ASSOCIATION OF COMPANY'S PERSONNEL:

12.1 Company may depute one or more than one representative (s) / engineer (s) to act on its behalf for overall co-ordination and operational management at

location. Company's representative will be vested with the authority to order any changes in the scope of work to the extent so authorized and notified by the Company in writing. He shall liaise with the Contractor and monitor progress to ensure timely completion of the jobs. He shall also have the authority to oversee the execution of jobs by the Contractor and to ensure compliance of provisions of the Contract.

12.2 Company's representatives shall have free access to all the units of the Acid Treating / Fracturing services of the Contractor during operations as well as idle time for the purpose of observing / inspecting the operations performed by the Contractor in order to judge whether, in Company's opinion, the Contractor is complying with the provisions of the Contract.

12.3 The monitoring and overseeing of the jobs under the Contract by the Company's personnel / representative shall not absolve or reduce the obligations of the Contractor under the Contract in any manner.

13.0 RIGHTS AND PRIVILEGES OF COMPANY:

13.1 Company shall be entitled to check Contractor's items before the Commencement Date. If they are not found in good order or do not meet specifications as per Section II or in case of non-availability of some of the Contractor's items listed therein, the Contractor may not be allowed for commencement until the Contractor has remedied such default.

13.2 To change the Acid treatment / frac program to complete or abandon any well at any time.

13.3 To approve the choice of sub-contractors for any essential third-party contract, concerning materials, equipment, personnel and services to be rendered by Contractor. Sub-contract may be entered into by Contractor only after Company's approval.

13.4 To check, at all times, Contractor's stock level, to inspect Contractor's equipment and request for renovation or replacement thereof, if found in unsatisfactory condition or not conforming to regulations or specifications.

13.5 To order suspension of operations while and whenever:

a) Contractor's personnel are deemed by Company to be not satisfactory,
b) Contractor's equipment does not conform to regulations or to the specifications laid down in the Contract.
c) Contractor's equipment turns into a danger to personnel on or around the rig or to the well.
d) Contractor's insurance in connection with the operations hereunder is found by Company not to conform with the requirements set forth in the Contract.

e) Contractor fails to meet any of the provisions in the Contract.
f) Any shortage in key/additional (compulsory) personnel and inadequacy of other personnel.
g) Contractor is found non-compliant to HSE requirement as per Safe Operating Practices or applicable law.

14.0 INGRESS AND EGRESS AT LOCATION:

Company hereby agrees that it shall provide Contractor with all necessary rights to the location where the well is to be located including any permission / licenses as required for the performance by Contractor of all works contemplated by this Agreement. In the event of any restrictions, conditions, or limitations in Company's permit, which would affect the free right of ingress, egress and possession to be exercised by Contractor hereunder, its employees or its subcontractors, Company agrees promptly to advise Contractor in writing with respect to such restrictions, conditions or limitations and Contractor agrees to observe the same. Should any permits / licenses / Certificates - as applicable be delayed because of objections of statutory authorities in respect of Contractor's issue, the Contractor should make good and take corrective actions immediately and in that case no rate will be payable to the Contractor. Should Contractor be denied access to the location of intended operations at Rig / Vessel due to lack of compliance of any permits or licenses required by the Company, time lost as a result thereof shall be compensated at the ISDR for any particular service (s).

15.0 DAMAGE TO PIPELINE, PLATFORMS, DRILLING RIGS OR VESSELS

Contractor shall be responsible and hold Company harmless for any damages to pipeline, platforms, drilling rigs, vessels and damage or loss of materials or equipment of Company and/or other third-party materials or equipment in the area of operation for reasons attributed to the gross negligence of the Contractor, provided that Contractor’s liability shall not exceed US Dollars Five Hundred Thousand per occurrence. The Company shall be responsible for and shall indemnify and hold Contractor harmless for all amounts in excess thereof.

16.0 SUBSEQUENTLY ENACTED LAWS:

Subsequent to the date of issue of letter of award if there is a change in or enactment of any law or interpretation of existing law, which results in additional cost / reduction in cost to Contractor on account of the operation under the Contract the Company / Contractor shall reimburse / pay Contractor / Company for such additional / reduced costs actually incurred subject to the submission of documentary evidence by Contractor / Company.

17.0 RESPONSIBILITY FOR LOSS OF OR DAMAGE TO THE EQUIPMENT:

17.1 Except as otherwise specifically provided in this Contract, any damage to or

loss of the Contractor's Equipment (which, for the purpose of this Article 18.1 shall be deemed to include all Contractor's and its sub-contractors equipment) and regardless of the cause or reason for said loss, shall be the loss of the Contractor its underwriters or insurers and Contractor agrees to protect, defend, indemnify and hold the Company, its co-licensees and its and their affiliate companies, agents, employees, invitees, servants, their underwriters or insurers (other than Contractor's) and their employees harmless against any claim whatsoever or responsibility for any damage to or loss of the equipment or property of Contractor or Contractor's sub-contractors furnished or intended for use in the operations herein undertaken.

18.0 INDEMNITY AGREEMENTS:

18.1 Contractor agrees to protect, defend, indemnify and hold Company its co-leases, its agents, if any, its other Contractor's and/or their employees harmless from and against all claims, suits, demands and causes of action, liabilities, expenses, costs, liens, rights in rem, and judgments of every kind and character, without limit, which may arise in favor of Contractor, Contractor's employees, agents, sub-contractor's or their employees, on account of bodily injury or death of Contractor's employees, agent, sub-contractor or sub- contractor's employee or damage to said employee's property as a result of the operations, contemplated hereby, regardless of whether said claims, demands, or causes of action arise out of negligence or otherwise, in whole or in part, unseaworthiness or other fault, including pre-existing conditions of Company, its contractor's other than the Contractor, sub-contractors, partners, Joint Ventures, their employees or Agents.

18.2 Company agrees to protect, defend indemnify and hold Contractor and its sub-contractors, its agent and its affiliates, its other contractors and / or their employees harmless from and against all claims, suits, demands and causes of action, liabilities, expenses, costs, liens, rights in rem and judgments of every kind and character, without limit, which may arise in favour of or against the Company, Company's employees, Agents, invitees, contractors (other than Contractor) and sub-contractors or their employees, on account of bodily injury or death of Company's employees, agents, invitees, contractors (other than Contractor) and sub-contractors or damage to said employees or its property (including any property of Company) as a result of the operations contemplated hereby, regardless of whether or not said claims, demands or causes of action arise out of the negligence or otherwise in whole or in part, unseaworthiness or other faults, including pre-existing conditions of Contractor, its sub-contractors, partners, Joint Ventures, employees or agents.

19.0 POLLUTION AND CONTAMINATION:

Notwithstanding anything to the contrary contained herein, it is understood and agreed by and between the Contractor and Company that the responsibility

for pollution or contamination shall be as follows:

(a) The Contractor shall assume all responsibility for cleaning up and controlling pollution or contamination which originates above the surface of the water from spills or fuels, lubricants, motor oils, normal water base drilling / completion fluid and attendant cuttings, pipe dope, paints solvents, ballast, bilge and garbage wholly in Contractor's possession and control and directly associated with Contractor's equipment and facilities, provided, however, Contractor's liability shall be limited to US Dollars One Million (US$ 1 Million) where after the Company shall indemnify and hold harmless Contractor for amounts in excess.

(b) Except as otherwise provided in article 19.(a), Company shall assume all responsibility for (including control and removal of the pollutant involved) and shall protect, defend and save the Contractor harmless from and against all claims, demands, and causes of action of every kind and character arising from all pollution or contamination, other than that described in sub-clause (a) above, which may occur from gross negligence of Contractor but not limited to, that which may result from fire, blowout, cratering, seepage of any other uncontrolled flow of oils, gas, water or other substances, as well as the use or disposition of oil emulsion, oil base or chemically treated drilling / completion fluids, contaminated cuttings or caving, lost circulation and fish recovery materials and fluids provided however, Contractor's sole liability under this sub-clause is to reimburse Company US Dollars One Million (US$ 1 Million) of cost paid/incurred by Company in control of the pollutant, clean-up costs, or damage to a third party, provided said pollution results from contractor's gross negligence, where after the Company shall indemnify and hold harmless Contractor for amounts in excess.

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

(d) All the packing materials/empty drums of Contractor's supplied consumable materials like cement, chemicals, additives, liquids, etc. is the property of Contractor. The storage and disposal of these items as per prevailing pollution control laws is the responsibility of the Contractor.

20.0 WAIVERS AND AMENDMENTS:

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

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

21.0 DEMOBILISATION & RE-EXPORT:

21.1 The Contractor shall arrange for and execute demobilization of the entire Tools / Equipment / Spare / Accessories / Manpower etc. upon receipt of notice for demobilization from Company. Demobilisation shall mean completion / termination of the contract and shall include dismantling of the complete Acid Treating / Fracturing Service package, its accessories/equipment, including the manpower and re-export of the complete Acid Treating / Fracturing package (if re-exportable), its accessories/equipment, unutilized spares and consumables at the cost of the contractor. Demobilization shall be completed by Contractor within 60 days of issue of demobilization notice by Company. Immediately after re-exporting the Acid Treating /Fracturing package, its accessories, equipment and the unused spares and consumables, Contractor shall submit the detail re-export documents to Company as documentary proof of re-exporting the complete Acid Treating /Fracturing package, its accessories, equipment and the unused spares and consumables. In case of failure to re-export any of the items as above within the allotted time period of 60 days except under circumstances relating to Force Majeure, Company reserves the right to withhold the estimated amount equivalent to the Customs Duty and/or penalty leviable by customs on such default in re-export from Contractor's final settlement of bills and Performance Security.

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

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

21.4 In the event all / part of the equipment etc. are transferred by Contractor after expiry/termination of the contract within the country to another Company for providing services, and/or sold to a third party, Contractor shall obtain all

necessary Govt. of India clearances including the Customs formalities for transferring to another Company and/or sale of the Acid Treating /Fracturing package, its accessories, equipment and the unused spares and consumables to a third party. Company will not be responsible for any non-compliance of these formalities by Contractor. Payment of Customs Duty and penalties (if any) imposed by Govt. of India or Customs authorities for transferring the items in part or in full to an area where Nil Customs Duty is not applicable, or sale of the items shall be borne by the Contractor and Contractor indemnifies Company from all such liabilities.

21.5 'Re-export' used herein or elsewhere in the Contract shall also mean and include Block Transfer or re-export to SEZ as permissible under applicable customs rules / regulations and provided Company is out of charge after Block Transfer or re-export to SEZ.

22.0 CONFIDENTIALITY:

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

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

1. Is, at the time of disclosure, known to the public.
2. Lawfully becomes at a later date known to the public through no fault of Company.
3. Is lawfully possessed by Company before receipt thereof from Contractor.
4. Is disclosed to Company in good faith by a third party who has an independent right to such information.
5. Is developed by Company independently of the information disclosed by Contractor; or Company is required to produce before competent authorities or by court order.
6. Is required to be disclosed on the direction of Court or any statutory authority.

22.1 Also, the Contractor agrees to be bound by professional secrecy and undertake to keep confidential any information obtained during the conduct of drilling rig / Vessel operations, including, but not limited to, formations penetrated, results of testing, and surveying of the well. And to take all-reasonable steps to ensure the Contractor's personnel likewise keep such information confidential.

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

22.3 Contractor shall handover to Company all Company's documents or drafts concerning operations carried out and which are still in its possession before the end of the contract period.

23.0 SAFETY:

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

24.0 DISCIPLINE:

Contractor shall carry out operations hereunder with due diligence and in a safe and workman like manner according to good international oil field practice. The Contractor shall maintain strict discipline and good order among their respective employees and their respective Sub-contractors, if any, and shall abide by and conform to all rules and regulations promulgated by the Company and Contractor governing the operations at the assigned worksites. Should the Company feel with just cause that the conduct of any of the Contractor's personnel is detrimental to Company's interests; the Company shall notify Contractor in writing the reasons for requesting removal of such personnel. The Contractor shall remove and replace such employees at their expense within 15 days if replaced by National Crew and 30 days if replaced by Expatriate from the time of such instruction given by the Company. If no replacement has been provided within this time the Company shall reduce the daily rate by the amount specified for this category under Clause No: 7.0 above until such replacement has been provided. The person so removed shall not be employed again without the prior written consent of the Company. Contractor shall not permit any of its employees, representatives, agents or sub-contractors to engage in any activity which might reasonably be considered to be contrary or detrimental to the interest of the Company. Deficiency: In the event of the Contractor failure to strictly adhere in providing the minimum requirements of key personnel as set out in the Technical Specification and Scope of Work, the penalty shall be levied.

25.0 DEFICIENCY PENALTY:

25.1 If operation is suspended for non-availability of key personnel, Contractor will be penalized as defined under Clause Nos 6.1 and 6.2 above.

25.2 In case of short deployment / deficiency on account of sickness / accident, fifteen (15) days will be allowed for replacement without any reduction in Day

Rates subject to normal progress of the performance of Work. Beyond this, the Clause No: 7.0 above will be applicable.

26.0 DEFICIENCIES: CONTRACTOR's all equipment shall be always maintained by CONTRACTOR in sound and efficient operating condition. Should the performance of CONTRACTOR's equipment and services becomes unsatisfactory or performance of work hereunder be reduced because of defective CONTRACTOR's furnished equipment or by reason of CONTRACTOR's incompetence or negligence, OIL shall give CONTRACTOR written notice specifying the causes of its dissatisfaction to correct the specified deficiency within 10 days failing which OIL shall have the right to terminate this Contract by giving thirty (30) days advance written notice to the CONTRACTOR, unless the specified deficiency is corrected within such ten (10) days period. In this event no demobilization fees will be payable by the Company notwithstanding the provision contained in the Contract. OIL shall recover the mobilization charges, if any, paid as defined in "Section-IV: Schedule of Rate" in case the deficiency occurs during pendency of the Contract, on pro-rata basis for the period of performance, in addition to invoking of performance bond due to failure of the CONTRACTOR in not executing the Contract faithfully.

27.0 LOSS OR DAMAGE OF SUB-SURFACE EQUIPMENT:

Notwithstanding any provision under this Contract to the contrary, Company shall assume liability except in the event of Willful Misconduct on the part of the Contractor for loss or damage to the Contractor's equipment/tool in hole below rotary table. Company shall at its option either reimburse the Contractor for the value of lost/damaged equipment/tool as declared in the import invoices at the time of mobilization or subsequent replacement/addition of the same equipment/tool or CIF value whichever is lower for any such loss or damage, less depreciation @ 3% per month from the date of start of the Contract up to a maximum depreciation equivalent to 50% of CIF value as indicated by the Contractor or at its option to replace similar equipment/tools and any transportation expenses incurred in connection herewith. All such cost shall be payable by Company, provided the equipment/tool is not covered under Insurance and provided such equipment/tool are included in the exclusion list of the Insurance Policies submitted by the Contractor in terms of GCC Clause of the Contract or all such cost shall be payable only after Contractor furnishes notarized undertaking in the prescribed format to the extent that the particular equipment/tool in question is not covered by Contractor's insurance. For claims of lost/damaged equipment/tools, Contractor must intimate the Company of their intention to lodge claim in writing within one month of the declaration of lost/damaged tool by Company and final claim thereof must be made within six months of the date of the lost/damaged tool or before expiry of the Contract, whichever is earlier. The inspection of recovered from downhole need to be made by Company Representative before submission of the invoice by Contractor.

NOTES:

(i) The claim on account of Loss /damage should be claimed within six months of the incident or before expiry of the Contract, whichever is earlier.
(ii) Company shall certify the Loss/Damage in Hole immediately upon receiving the intimation from the Contractor, so that replacement and claiming of Loss/Damage can be done within the stipulated time.
(iii) No mobilization cost would be payable towards the replacement of LIH tools.

27.1 DOCUMENTATION OF LOSS:

Whenever any loss, damage or destruction to any of the Contractor's Equipment occurs, as stated in Clause above, the Contractor shall immediately notify the same to Company describing the loss/damage. Whenever the Contractor makes any claim pursuant to the provisions under the above Clause, the Contractor shall furnish in support thereof as noted below:
a) List of the Equipment lost or damaged.
b) Extent of the damage.
c) Particulars of import, Customs assessed Bill of entry & invoices.
d) Vouchers, invoices or any other documents indicating the date of first use of the Equipment in India.
e) Costs of repairs, if any, supported by evidence of the same.
f) Documentary evidence or self-declaration as per Format provided that the particular tool(s)/equipment in question is/are not covered by Contractor's insurance.

28.0 CERTIFICATE OF INSURANCE:

Before commencing performance of the Contract, Contractor shall upon request, furnish the Company with certificates of insurance including (1) kinds and amounts of insurance as required herein, (2) Insurance Company or Companies carrying the aforesaid coverages, (3) effective and expiration dates of policies, (4) that the Company will be given thirty (30) days written advance notice for any material change in the policy, (5) waiver of subrogation endorsement has been attached to all policies, (6) the territorial limits of all policies. If any of the above policies expire or are cancelled during the term of this Contract and Contractor fails for any reason to renew such policies, then the Company may replace same and charge the cost thereof to Contractor.

Should there be a lapse in any insurance required to be carried by Contractor as prescribe in this Contract, for any reason whatsoever, losses resulting therefrom shall be for the sole account of Contractor.

29.0 FORCE MAJEURE:

29.1 CONDITIONS FOR FORCE MAJEURE:
In the event of either party being rendered unable by Force Majeure to perform

any obligation required to be performed by them under this Contract, the relative obligation of the party affected by such Force Majeure shall, upon notification to the other party be suspended for the period during which such cause lasts.

The term “Force Majeure” as employed herein shall mean floods, pandemic, endemic, tempest, war, civil riot, fire and Acts, Cyclone and Cyclones Consequences, Rules and Regulations of respective government of the two parties namely Company and the Contractor, directly affecting the performance of the Contract.

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

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

Such Force Majeure situations shall be paid at Force Majeure Rate for a period of first thirty days, for each occasion, after which zero rate shall be payable to the Contractor after which either party shall have the right to terminate the Contract if such `force majeure' conditions continue beyond successive 60 (Sixty) days, for each occasion, with prior written notice of 15 days, provided termination of the Contract does not result into safety hazard to the life and property on account of withdrawal of operations or the operation is at critical stage. The Company shall have the absolute right to decide whether any safety hazard exists, or operation is in a critical position and the decision of the Company shall be binding upon the Contractor.

29.2 WEATHER AND WAITING ON DAY LIGHT:

The parties hereto agree that waiting on weather/ waiting on day light shall not be considered as Force Majeure. Weather in this case means temporary conditions of wind, waves or tides, which make it unsafe or hazardous to conduct operations hereunder. The Individual Service Day Rates (ISDR) shall be applicable during these conditions.

30.0 HSE POLICY:

The contractor has provided HSE policy to the Company along with the bid. The Contractor should have a valid HSE Management System (HSEMS) for each quoted Services certified as per ISO: 9001, ISO: 14001 & OSHAS: 18001 / ISO: 45001/ISRS and should keep the certificate(s) valid during execution of contract period. In case certification is not there at the time of commencement of operations, the Contractor to submit details of their HSE management

system approved by its highest authority not lesser than a director.

31.0 FISHING OF EQUIPMENT:

31.1 In the event any of the Contractor's OR Company OR Company's other Contractors Tools / Equipment is lost / stuck in the well or at site, then the Company shall, at its expense, attempt to recover or retrieve the same. All necessary fishing tools and services, as laid down in the Contract or available with the Drilling Unit, shall be provided by the Contractor as and when the Company decides to fish for any of the Contractor's OR Company OR Company's other Contractors Tools / Equipment. The Company shall have full responsibility and liability for such Operations and the Contractor shall render support in an advisory capacity at all times in connection with such fishing operations.

31.2 If such fishing activity occurs due to Contractors' gross negligence, then "Zero Rates" will be applicable for the entire Services during the period of fishing operations.

32.0 DIESEL: The Company shall supply HSD for the Acid Treatment/ Fracturing Services and CTU-FPU Units on the Vessel / Drilling Unit.

33.0 Consumables: For all consumable materials, the reimbursement shall be as per actual consumption as per the "Schedule of Rates".

34.0 PERMITS, CLEARANCES AND LICENSES

Contractor agrees that it shall secure permits, clearances and licenses for operations of the Acid Treatment/Fracturing services in Indian waters, if required and Contractor shall pay any expenses in this regard. Contractor shall take required License(s) from the appropriate regulatory agencies of Govt. of India at Contractor's cost. However, the Company shall assist the Contractor in obtaining the requisite permit, clearances and licenses.

35.0 LOADING OF EQUIPMENT:

Contractor shall make available all of Contractor's and its Sub-Contractor's equipment, material at Company's shore base at Kakinada as per the operational requirement. Company agrees to transport Contractor's and its Sub-Contractor's material to the drilling location nominated by Company for loading and unloading on board the Drilling Unit/OSV at Company's cost.

36.0 HAZARDOUS WASTE:

The Contractor shall be liable for the storage, handling, transportation (on land), manifest and disposal through authorised agency of any spent or used chemicals or other hazardous waste generated at its storing facilities in

Kakinada.

37.0 LIMITATION OF LIABILITY:

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.

38.0 CUSTOMS DUTY:

38.1 The Company will issue Essentiality Certificate for import of Goods in terms of Custom Notification No. 50/2017-Customs dated 30th June-2017, further amended vide custom Notification No. 02/2022-Customs dated 1st February, 2022, S. No. 404 of Table, List 33 and Condition No. 48 and notification no. 08/2022 dated 13.07.2022 on submission of clear, legible and valid documents (including detailed invoice, technical justification, undertaking and affidavit, EC statement etc.) by the contractor to OIL at least three (03) weeks before the shipment date. OIL shall not be liable in whatsoever manner for the rejection of their claims for zero customs duty by any of the authorities due to any discrepancy in the documents submitted by the contractor. Similarly, Company / Append will issue requisite undertaking for transfer of EC, in respect of the goods already imported under Essentiality Certificate and to be transferred to this contract, on submission of clear, legible and valid documents by the Contractor to OIL.

Similarly, the domestic supply of such goods would attract 12% GST (i.e. IGST or CGST & SGST/UTGST) on submission of EC in terms of GST Notification no. 08/2022 dated 13.07.2022.

Contractor shall take note of the prevailing customs notifications including the latest amendment vide gazette Notification No. 02/2022-Customs dated 01.02.2022 while quoting their prices. Contractor 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. OIL shall issue the requisite undertaking/certificate on request from Contractor for availing concessional rate of customs duty only against the items explicitly covered under List-33 of Customs Notification No. 02/2022-Customs dated 01.02.2022 or against any other item(s) subsequently declared by the competent authority during the tenure of the contract to be duty exempted/concessional. However, in the event of refusal/denial by Customs Authority to accord exemption/concession of Customs Duty against import of items which are explicitly covered under List-33 of Notification No. 02/2022-

Customs dated 01.02.2022, such applicable customs duty shall be reimbursed at actual by OIL to the Contractor on submission of documentary evidence.

Similarly, the items other than those appearing in List-33 of the said gazette notification, if to be imported by the Contractor for the purpose of execution of contract against this tender, the same shall be considered as duty payable on merit basis and the applicable customs duty thereof is deemed to be included by the contractor 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 contractor 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. Contractor has submitted the list of items which are to be imported for execution of the contract against this tender as per Proforma-A. 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 contractor.

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

38.2 Contractor has provided the list of the items to be imported by the Service Provider them under the Contract will be as per the items to be imported as submitted in the format specified in Proforma-A along with their bid for issuance of Essentiality Certificate. Contractor shall made written request to Company immediately after shipment of the goods indicated by them in Proforma-A, along with the Invoices and all shipping documents (with clear 15 working days' notice) requesting Company for issuance of the Essentiality Certificate. Company shall issue the Essentiality Certificate 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 Customs and clear the goods through customs. Company shall not be liable in whatsoever manner for the rejection of their claims for zero customs duty by any of the authorities. Contractor shall indemnify Company from all liabilities of Customs Duty.

38.3 All imports and import clearances under the contract shall be done by the contractor and Company shall not provide any assistance in this regard.

38.4 However, in the event customs duty becomes leviable during the course of contract arising out of a change in the policy of the Government, Company shall be liable for payment of the customs duties leviable in India on Contractor's items as provided in Proforma-A or the actuals whichever is less, provided Contractor furnishes all necessary documents indicating the estimated customs duty at least 10 days in advance. Such payment of Customs Duty shall be arranged by Company and made available to the representatives of Contractor within 3 working days after Contractor submits the undisputed and clear necessary documents / duty assessment papers. Contractor would be responsible for passing such payment to customs authorities at the port of entry. Company's obligation for Customs Duty payment shall be limited / restricted to the tariff rates as assessed by the Customs on the day of clearance, or as on the last day of the stipulated mobilisation period. In case of clearance thereafter, on the CIF value of items in Proforma-A will be frozen and any increase in Customs Duty on account of increase in value on these will be to the Contractor's account. Furthermore, in case the above CIF value is not acceptable to assessing Customs Officer and as a result if any excess Customs Duty becomes payable, it shall be to Contractor's account. Before filing Bill of lading, Bill of entry, the Contractor must consult the Company to avoid payment of excess Customs Duty.

38.5 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.

38.6 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 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 Essentiality Certificate.

38.7 In the event of refusal / denial by Customs Authority to accord exemption / concession of Customs Duty against import of items which are explicitly covered under List-33 of Notification No. 02/2022-Customs dated 01.02.2022 or non-issuance of Essentiality certificate in terms of GST Notification no.

08/2022 dated 13.07.2022 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.

39.0 SUSPENSION AT COMPANY'S REQUEST:

The Company shall have the right, without cause, at any time to require the Contractor to suspend the work under this Contract on giving notice to the Contractor specifying the estimated duration of the suspension period. The work shall resume at the end of suspension period or such other date as the Company may specify to the Contractor by notice in writing. During the suspension period, Contractor shall be paid 'Suspension Rate (SR) for Acid Treating /Fracturing Services @ 75 % of ISDR and Personnel Day rate, as applicable, as per Schedule of Rates. The Company shall notify the Contractor, whether it requires the Contractor to store the Equipment at the Drilling Unit/OSV or at Shore. The total suspension period during the Contract duration shall not exceed a maximum 2 (two) months. The Company, at its discretion, may add back such suspension period to the original Contract duration at the same rates, terms and conditions by giving 30 (thirty) days' notice to the Contractor before the expiry of the Contract. However, beyond the said period of 2 (two) months, the suspension period may be extended by the parties at mutually agreed rates, terms and conditions.

40.0 RE-EXPORT:

The Contractor shall complete re-export formalities upon completion/ termination of this Contract against all such items which were brought into India on re-exportable basis and provide the list of the items, equipment, consumables etc. to Company along with all relevant export documents. It will also be the sole responsibility of the Contractor to ensure cancellation & discharge of all undertakings/bonds from Customs authorities within 10 days which were provided by Company at the time of import against this contract. De-mobilization will not be considered completed, till re-export of all equipment and documentation with customs and other regulatory authorities are completed fully and submitted to Company.

41.0 MATERIALS, SUPPLIES, EQUIPMENT & SERVICES:

For all services rendered or materials supplied to Company by Contractor at Company's request, which services or materials are the obligations of the Company, the Contractor shall charge the Company for actual costs as supported by vendor's invoice plus 7.5% fee on FOB value for each procurement costing up to US$ 60,000 and 5% for each procurement costing more than US$ 60,000, thereon to cover costs on account of such procurement and actual cost for services. In addition, transportation costs paid and / or incurred would be reimbursed at actuals against documentary evidence. Company will provide Essentiality Certificate for availing Customs duty exemption. Any equipment,

materials, or supplies purchased by Contractor on account of Company shall thereafter become the property of Company upon payment by Company.

42.0 TRAINING REQUIREMENT OF PERSONNEL:

42.1 All the crew members should have undergone Personal Survival Training (PST), Fire Prevention & Fire Fighting (FPFF) Training/Basic Fire Fighting Training (BFF), Personnel Safety and Social responsibility (PSSR) and Elementary First Aid (EFA) from DGS approved agencies, and OPITO approved Helicopter Underwater Escape Training (HUET).

Or

All the crew members should have undergone OPITO approved BOSIET – Basic Offshore Safety Induction and Emergency Training (with EBS), which should cover at least PST, FPFF/BFF, PSSR, EFA, HUET.

No personnel shall be allowed to go on offshore rigs / marine vessels without undergoing the above training.

42.2 Additionally, they should have undergone training related to their work profile and for safety while working in areas with hazard of H2S presence.

43.0 NOTICES:

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

For Company

a) For contractual matters: Chief General Manager (C&P), OIL INDIA LIMITED, Kakinada - 533004, Andhra Pradesh, India Email: kgbasin@oilindia.in

b) For technical matters
Dy. General Manager (Production), OIL INDIA LIMITED, Kakinada - 533004, Andhra Pradesh, India Email: kgbasin@oilindia.in

For Contractor: To finalized later

43.2 A notice shall be effective when sent by email (email sent date) or on the notice's effective date whichever is later. Either party may change its address by giving Written Notice to the other party.

44.0 The following insurance provisions under General Conditions of Contract stand amended as mentioned hereunder for the particular services under this tender/contract:

GCC Clause No.	Amended Clause
14.9	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 @0.5% of the Total Contract value shall be charged towards not fulfilling of the contractual obligations. Notwithstanding above, should there be a lapse in any insurance required to be taken by the Contractor for any reason whatsoever, loss / damage claims resulting therefrom shall be to the sole account of Contractor.
14.5	Waiver of subrogation: Except for the workmen'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, all insurance policies of the CONTRACTOR with respect to the operations conducted hereunder as set forth in clauses hereof, shall be endorsed by the underwriter in accordance with the following policy wording: "The insurers hereby waive their rights of subrogation against Oil India Limited or any of their employees or their affiliates and assignees to the extent of the indemnities undertaken by the Contractor under this contract".
14.6	Not Applicable against this tender/contract

45.0 Risk Purchase:

In the event, CONTRACTOR's failure to provide the services as per the Contractual scope, terms and conditions, COMPANY (OIL) reserves the right to hire the services from any other source at the CONTRACTOR's risk & cost and the difference in cost shall be borne by the CONTRACTOR. Further, OIL shall retain the right of forfeiture of Performance Bank Guarantee and any other action as deemed fit.

46.0 LIABILITY FOR THE WELL OR RESERVOIR:

Notwithstanding anything else contained herein to the contrary, the Company shall indemnify, and hold the Contractor and its Sub-contractors harmless 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) Any injury or death whatsoever, direct or consequential, arising from or in any way connected with such sub-surface Operations or in performing or attempting to perform any such Operations.
(iv) Provided that such injury, death, loss, damage etc. as stated in (i) to (iii) above is not caused on account of willful misconduct or gross negligence of the Contractor or its personnel or any of its Sub-Contractor or its personnel.

SECTION -III (PART-III)
(REVISED)

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

VITAL CRITERIA FOR ACCEPTANCE OF BIDS:

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

1.0 ELIGIBILITY CRITERIA:

The bidder must be incorporated/registered in India and must maintain more than or equal to 20% local content (LC) for the offered services to be eligible to bid against this tender.

Regarding calculation of local content and submission of documents during bidding & execution of contracts, provision of 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 (BEII) dated 16th September 2020 (and as amended time to time) with modifications as notified vide MoPNG Order No. FP20013/2/2017-FP-PNG-Part (4) (E-41432) dated 26th April 2022 (including subsequent amendments thereof, if any) shall be applicable.

If such local content is not maintained during execution of contract, OIL reserves the right to invoke the Performance Securities and additional Bank Guarantee submitted by the bidding and supporting companies, in addition to resorting to other options as may be deemed appropriate.

Whether or not the bidders want to avail PP-LC benefit against this tender, it is mandatory for them to meet the following at the bidding stage:

(a) The bidder must provide the specific percentage (%) of local content in their bid, without which the bid is liable for rejection being non-compliant.

(b) The Bidder shall submit an undertaking from the authorised signatory of bidder having the Power of Attorney along with the bid, stating that the bidder meets the minimum LC requirement (equal to or above 20%) and such undertaking shall become a part of the contract, if awarded [Format enclosed as **Proforma-S**].

(c) The aforesaid undertaking of the bidder shall also be supported by a certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of other than companies) giving the percentage of local content. [Format enclosed as **Proforma-S-1**]

(d) Bidder to submit a copy of their Certificate of Incorporation / Registration in India.

2.0 TECHNICAL EVALUATION CRITERIA:

2.1 EXPERIENCE:

a) The bidder shall have experience of successfully completing minimum 02 (two) nos. of Acid Treatment or Acid Fracturing or Hydraulic Fracturing (HF) jobs for Offshore oil/gas wells through Offshore Rig / Vessel during the last 10 (Ten) years reckoned from the original bid closing date and 01 (one) of which shall qualify minimum **02 (two)** of the following criteria:

- Offshore oil / gas well(s) with minimum Water Depth of 300 m.
- Offshore oil / gas well(s) with Measured Well depth of 2000 m or deeper (6561.68 ft or deeper); Depth to be measured from MSL (Mean Sea Level) for offshore wells.
- Offshore oil / gas well(s) with Surface Treatment / Fracture pressure of 4000 psi or more.

AND

b) The bidder shall have experience of successfully completing minimum 02 (two) nos. of Well Clean Out / Flow Back jobs in offshore oil/gas wells using CTU during the last 07 (seven) years reckoned from the original bid closing date.

2.2 In support of the experience criteria under Clause No. 2.1 (a) & (b) above, the bidder shall furnish the following documentary evidences (self-attested/attested):

(A) Contract document/Work Order/Service Order showing detailed scope of work,

AND

(B) Job Completion Certificate (JCC) or Service Entry Sheet (SES) or Certificate of Payment (COP) issued by the Client and supported by Client's certified Job Report showing the following:

(i) Work Order No./Contract No.,
(ii) Nature/Number/Description of jobs done, and
(iii) Contract period and date of completion.

Notes to BEC Clauses 2.1 & 2.2 above:

(i) Only Letter of Intent (LOI)/Letter of Award (LOA) or Work Order(s) without SOW or Client's Feedback Form shall not be acceptable as evidence of experience.
(ii) 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 (B) will only be treated as acceptable experience.
(iii) Work executed through 'sub-contracting' shall not be considered for evaluation.
(iv) 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.
(v) Bid will be rejected if not accompanied with adequate documentary proof in support of Work experience as mentioned in Clause 2.2 (A) & (B) above.

(vi) If the prospective bidder is executing a contract as per Clause No. 2.1 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 2.1 of BEC, such experience shall qualify for evaluation.

(vii) The Contract(s) date need not be within the period specified in the tender, preceding the original bid closing date of the tender, however, the execution of work should be within the specified period preceding original bid closing date of the tender.

(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.

(ix) Original Bid Closing Date shall be considered for evaluation of BRC Criteria in case of any extension of the bid closing date.

(x) A job executed by a bidder for its own organization/subsidiary cannot be considered as experience for the purpose of meeting BEC.

3.0 BIDDERS QUOTING UNDER THE FOLLOWING CATEGORIES:

Bidders who themselves do not meet the experience criteria as stipulated in Clause No. 2.1 (a) & (b) above, can also bid under the categories as listed below:

3.1 BIDS FROM INDIAN JOINT VENTURE (JV) COMPANY:

a) In case the bidder is Joint Venture Company, they must be registered in India and incorporated under the Companies Act 2013 and any amendment thereunder. JV agreement along with the share holding pattern should be submitted failing which bid shall be outrightly rejected. They should meet the technical qualification requirements as under:

(i) The JV on its own shall meet the experience criteria as per Clause No. 2.1 (a) & (b).

OR

(ii) 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. 2.1 (a) & (b).

Note:

A. In case of (ii) 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 failing which bid shall be outrightly rejected. Similarly, under such a situation the contract shall be liable for termination, if already awarded.

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.

b) 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. Similarly, under such a situation the contract shall be liable for termination, if already awarded.

c) Members of the JV are not allowed to quote separately/independently / or through any other arrangement like part of any other JV/Consortium or Subsidiary/ Parent company/ co subsidiary 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.

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

(a) Offers of those bidders who themselves do not meet the experience criteria as stipulated in clause no. 2.1 (a) & (b) 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.

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

3.3 BIDS FROM SISTER SUBSIDIARY/CO-SUBSIDIARY COMPANY:

Offers of those bidders who themselves do not meet the technical experience criteria stipulated in 2.1 (a) & (b) above can also be considered based on the experience of their Sister Subsidiary/Co-Subsidiary company within the ultimate parent/holding company subject to meeting the following conditions:

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

subsidiary company within the ultimate parent/holding company. Documentary evidence to this effect to be submitted by the ultimate parent/holding company along with the technical bid.

(b) Provided that the sister subsidiary/co-subsidiary company on its own meets the technical experience criteria laid down in Clause 2.1 (a) & (b) above and not through any other arrangement like technical collaboration etc.

(c) 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 **Proforma-Y**, between them, their ultimate parent/holding company, along with the technical bid.

In the situations mentioned in Clause No. 3.2 and 3.3 above, following conditions are required to be fulfilled/documents to be submitted:

(i) Undertaking by the supporting company to provide an additional Performance Security (as per format and instructions enclosed as **PROFORMA-V)**, equivalent to 50% of the value of the Performance Security which is to be submitted by the bidding company, in case the supported bidding company is the successful bidder. In cases where foreign based supporting company does not have permanent establishment in India, the bidding company can furnish performance security for an amount which is sum of performance security amount to be submitted by the bidder and performance security amount required to be submitted by the supporting company. In such case bidding company shall furnish an undertaking that their foreign based supporting company is not having any permanent establishment in India in terms of Income Tax Act of India.

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

3.4 BIDS FROM CONSORTIUM:

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

(i) The leader and its consortium member(s) together must satisfy the minimum experience criteria as per clause 2.1 (a) & (b) 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. 2.1 (a) & (b) 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 GeM 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 & other members 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 severely.

(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, should be notarized and endorsed by Indian Embassy.

4.0 MOBILISATION TIME:

a) From the date of issuance of mobilization notice, the contractor shall make available all the equipment & accessories for Acid Treatment / Fracturing services etc. within 60 days and CTU-FPU services within 75 days respectively for on-hire survey by OIL at Contractor's Shore Base.

b) The fitment of Acid Treatment / Fracturing equipment, and accessories should be completed by Contractor within 15 (Fifteen) days from the date of providing vessel by OIL at Kakinada Port.

NOTE: The bidder must confirm their compliance in their "Technical" bid to complete the mobilization within the stipulated time as mentioned above. Offers without confirmation of stipulated mobilization time or with mobilization time more than stipulated time will be summarily rejected. The bidder shall confirm compliance of this in their technical bid.

5.0 EQUIPMENT RESIDUAL LIFE REQUIREMENT:

The Residual Life of all major equipment offered for Services of Acid Treatment / Fracturing, FPU, CTU shall be more than 05 (Five) years to be reckoned from the original bid closing date. To this effect, the bidder shall submit undertaking for the following along with the technical bid:

(a) In support of Residual Life of offered equipment(s), the bidder shall submit an undertaking confirming that the offered equipment for Services of Acid Treatment / Fracturing, FPU, CTU are having residual life of minimum 05 (Five) years to be reckoned from the original bid closing date. Documentary evidence of Residual Life for Acid Treatment / Fracturing, FPU, CTU must be submitted to OIL at the time of on-hire survey failing which mobilization shall not be treated as complete.

(b) Before on-hire survey, the bidder shall get all equipment inspected/ verified and certified by any of the OIL's authorized/recognized third party inspecting agencies, viz., viz., LRDISI, ABS, Oilfield Audit Services Inc., DNV GL, Bureau Veritas India Pvt Ltd (BV) and OMCI confirming the Residual Life of such equipment is at least 05 (Five) years from the date of mobilization at site. To this effect, the successful bidder must submit the relevant documents (i.e., duly signed & sealed TPI certificate, Commissioning Report & Registration Certificate of the equipment etc.) to OIL during "on hire survey" without which the mobilization of Equipment & services for Acid Treatment / Fracturing, FPU, CTU shall not considered to be complete.

6.0 FINANCIAL REJECTION CRITERIA:

6.1 Annual Financial Turnover from operation of the bidder during any of preceding 03 (Three) financial/accounting years from the original bid closing date should be at least **INR 28.92 Cr. or USD 3.35 Million.**

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

Note:

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

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

6.3 If the Bidder is an Incorporated Joint Venture (JV) Company and does not meet financial criteria (BEC Clause Nos. 6.1 & 6.2 above) by itself, it can submit the bid based on the financial strength of its JV member having more than 26% stake in the JV Company and the following need to be complied/submitted:

i. Annual Financial Turnover from operation of the member having more than 26% stake in the JV during any of preceding 03 (Three) financial / accounting years from the original bid closing date shall be as per Clause 6.1 above.

ii. Net worth of the member having more than 26% stake in the JV (supporting company) should be positive for the financial /accounting year preceding the original bid closing date as per Clause 6.2 above.

iii. Corporate Guarantee (**PROFORMA-AB**) on the letter head of the member having more than 26% stake in the JV 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.

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 minimum 26% shareholding in the JV till execution of the contract is accomplished.

v. A certificate from the statutory Auditor of the JV company on the shareholding pattern of the JV.

6.4 In case the Bidder is a Consortium, then any one of the Consortium members individually shall have to meet the financial turn-over criteria as per BEC Clause **6.1** above during any of the preceding 03 (Three) financial/accounting years reckoned from the original bid closing date. Similarly, other Consortium members individually shall have minimum Annual financial turn-over of **INR 14.46 Cr. or USD 1.6 Million** in any of preceding 03 (Three) financial / accounting years from the original bid closing date. Net worth of all Consortium members must be Positive for the preceding financial / accounting year from the original bid closing date. Borrowing support from parent/supporting company is not allowed to meet the financial criteria.

6.5 In case the bidder is a subsidiary company (should be a 100% subsidiary of the parent/ultimate parent/holding company), who does not meet financial criteria by itself and submits bid based on the financial strength of its parent / ultimate parent / holding company, then documents need to be submitted along with the technical bid in support of the following:

i. Annual Turnover from operation of last three accounting years of the parent / ultimate parent / holding company (supporting company) shall be as per Clause 6.1 above.

ii. Net worth of the parent / ultimate parent / holding company (supporting company) shall be positive for the financial / accounting year preceding the original bid closing date as per Clause 6.2 above.

iii. Corporate Guarantee (**PROFORMA-AC**) 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.

iv. A certificate from the statutory Auditor of the bidding company as well as of the parent / ultimate / holding parent company (supporting company) to establish the relationship and equity percentage holding between bidding company and the supporting company. The certificates should be duly certified by the Company Secretary or one of the Directors of the company concerned.

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

6.6 Notes to BEC Clause B., 6.1 & 6.2 above:

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

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

OR

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

Note:

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

ii. In case the Audited Balance sheet and Profit Loss Account submitted along with the bid are in currencies other than INR, the bidder shall have to convert the figures in equivalent INR considering the prevailing conversion rate on the date on which the Audited Balance Sheet and Profit & Loss Account is signed. A CA Certificate is to be submitted by the bidder regarding converted figures in equivalent INR. 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.

6.7 Considering the time required for preparation of Financial Statements, if the last date of preceding financial/accounting year falls within the preceding six months/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) reckoned from the original bid closing date and the Financial Statements of the preceding financial/accounting year are not available with the bidder, then the financial turnover of the previous three financial /accounting years excluding the preceding financial/accounting year will be considered. In such cases, the Net worth of the previous financial/accounting year excluding the preceding financial/accounting year will be considered. However, the bidder has to submit an undertaking in support of the same along with their technical bid as per **PROFORMA-L.**

6.8 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.

6.9 Bid will be liable for rejection if not accompanied with adequate documentary proof in support of Annual turnover & Net worth as mentioned above.

7.0 COMMERCIAL EVALUATION CRITERIA:

7.1 Bids shall be submitted under **Single-Stage Two-Bid System** i.e. Technical Bid and Priced Bid separately in designated area/ tab in GeM portal respectively. The Un-priced techno commercial bid (or Technical bid) must comprise of all the technical documents substantiating the previous experience, financial & technical credentials of the bidder and any other document as asked for in the bid document. There should not be any indication of price in the Technical bid; otherwise, the bid shall be rejected straightway.

7.2 The prices / rates offered quoted by the successful bidder must remain firm during the execution of the Contract and not subject to variation on any account. A bid submitted with an adjustable price condition shall be treated as non-responsive and rejected. No discount whatsoever should be quoted separately. Rates / prices quoted must be net of all discount.

7.3 Bids with shorter validity (i.e., less than 120 days from the scheduled bid closing date) will be rejected as being non-responsive.

7.4 Bid Security in Original shall be furnished as a part of the Technical Bid and shall reach OIL's office at Kakinada (KG Project Office) before bid closing date & time. The original bid security should necessarily be submitted in physical form, in a sealed envelope, prominently super-scribing tender reference and details of bidder. A scanned copy of the bid security shall however be uploaded in GeM portal along with the Technical Bid. The amount of Bid Security shall be as specified in the Forwarding Letter of the Bid Document/NIT of GeM Tender. Bid without proper & valid Bid Security shall be rejected.

7.5 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-J** of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be returned by the bidder (along with the Un-priced Techno-Commercial Bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid. If any bidder refuses to sign Integrity Pact or declines to submit the Integrity Pact, their bid will be rejected. In case of a Joint venture, all the partners of the joint venture should sign the Integrity Pact.

7.6 Bids submitted after the Bid Closing Date and Time will be rejected.

7.7 Bids received through the GeM portal shall only be accepted. Bids received in any other form shall not be accepted.

7.8 Bid documents are non-transferable. Unsolicited bids will not be considered and will be straightway rejected.

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

7.10 Any Bid containing false statement will be rejected.

7.11 Bidders shall quote directly and not through their Agent / Representative / Retainer / Associate in India.

7.12 Bidders must quote clearly and strictly in accordance with the price schedule outlined in "Price Bid Format" of Bid Document; otherwise, the Bid will be summarily rejected.

7.13 Bidder must accept and comply with the following clauses as given in the Bid Document in toto failing which bid will be rejected.

(i) Firm Price
(ii) Bid Security Clause
(iii) Scope of Work
(iv) Specifications
(v) Price Schedule
(vi) Period of validity of bid
(vii) Liquidated damage and penalty clause
(viii) Performance Guarantee clause
(ix) Arbitration / resolution of Dispute
(x) Force Majeure
(xi) Acceptance of jurisdiction and Applicable Law
(xii) Tax Liabilities Clause
(xiii) Safety & Labour Law
(xiv) Termination Clause
(xv) Integrity Pact
(xvi) Insurance
(xvii) Any other condition specifically mentioned in the tender document elsewhere that non-compliance of the clause lead to rejection of the bid.

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

7.15 The originals of the documents submitted by the bidder shall have to be produced by the bidder(s) to OIL as and when asked for.

8.0 PRICE EVALUATION CRITERIA:

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

8.1 The bidders must quote their charges / rates in the manner as called for vide "**Schedule of Rates**" under **Section-III** and the summarized Price Bid Format vide enclosed **PROFORMA-B**.

8.2 In the event of computational error between unit price and total price, the quoted unit price shall prevail. Similarly, in the event of discrepancy between rates quoted in words and figures, the unit rates quoted in words will prevail.

8.3 Priced Bids shall be evaluated taking into account the Price quoted as per **Proforma-B** including quoted GST.

8.4 Quoted price must include all liabilities and taxes including statutory liabilities but excluding GST, which shall be quoted separately in the Price Bid format.

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

8.6 **Priced Bid Evaluation**

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

ii) The inter-se-ranking of the techno-commercially qualified bidders will be determined on overall lowest cost basis (L-1 offer) i.e. considering the Total quoted price **[Srl. No. AA of PROFORMA-B]** inclusive of all liabilities and GST.

8.7 **Customs Duty:**

In terms of Sl. No. 404 of the Customs Notification No. 50/2017-Cus dated 30.06.2017 amended vide Customs Notification No. 02/2022-Customs dated 01.02.2022 and amended further vide Customs Notification No. 30/2024 dated 23.07.2024, imports of the items specified in List 33 of the Notification are subject to levy of concessional rate of customs duty @12% (BCD Nil & IGST @12%) subject to conditions specified therein (Condition No. 48). Similarly, the domestic supply of such goods would attract 12% GST (i.e. IGST or CGST & SGST/UTSGT) on submission of EC in terms of GST Notification No. 3/2017-Integrated Tax (Rates) Dated 28.06.2017 and amended vide Notification No. 16/2019 Dated 30.09.2019 and 08/2022-Integrated Tax (Rate) dated 13.07.2022.

Bidders shall take note of the prevailing customs notifications including the latest amendment vide gazette Notification No. 30/2024 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 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 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 as per **Proforma-A** prudently along with their bid.

Undertaking/Certificate for availing concessional rate of Customs Duty shall be issued by OIL only for the eligible items, provided the same are included in the Proforma-A submitted by the bidder.

Note:

a) The customs notifications are subject to change as per Government guidelines and the provisions ruling at the time of Bid Closing will be applicable.

b) The Bidder has to re-export or block transfer or re-export to SEZ (as permissible under applicable customs rules / regulations and provided Company is out of charge after Block Transfer or re-export to SEZ) the items after completion of the contract in case of imported items. The bidder will be fully responsible to pay the customs duty in case the items are taken by the Contractor to area where customs duty benefit is not applicable. This is applicable in case OIL issues the certificate for availing concessional customs duty for import of goods.

8.8 **Purchase Preference Clause:**

A) MSE Policy:

Purchase Preference to Micro and Small Enterprises is applicable for this tender.

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

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

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

I) In case participating MSEs quote price within price band of L1+15%, such MSE shall be considered for award of contract by bringing down their price to L1 price in a situation where L1 price is from someone other than an MSE.

II) In case of more than one such MSE qualifying for 15% purchase preference, the contract shall be awarded to lowest eligible MSE amongst the MSEs qualifying for 15% purchase preference.

III) Provisions such as seeking support from another company by way of Parent / Subsidiary / Sister Subsidiary / Co Subsidiary company's experience / consortium bid, 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 (whichever applicable) will be eligible for the benefits reserved for MSEs provided the supporting company for technical and financial strength is / are also a MSE's. However, in case of submission of Consortium bids by MSEs, in order to avail the benefits reserved for MSEs, the MSE bidder shall have to rely on their own strength or on the strength of another MSE only to meet the various tender requirements including technical and financial evaluation criteria. In that case, all the members of the Consortium including the leader of the Consortium should be eligible MSEs. Further, in case of bid from JVC (incorporated), in order to avail the above MSE benefits, the bidder i.e., JVC shall have to be MSE unit.

B) MII Policy:

Purchase preference to MII - notified 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-FPPNG-Part (4) (E-41432) dated 26th April 2022, shall be applicable in this tender. Bidders to check the provisions of the Notification and their eligibility to bid and any claim on Purchase preference. Purchase preference will be applicable as per the Notification(s) and any amendment thereof.

8.9 **Award of Contract:**

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.

9.0 GENERAL NOTES:

i) 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.

ii) 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 evaluated based on the submission. However, mere submission of such clarification shall not make the offer responsive, unless company is satisfied with the substantial responsiveness of the offer.

iii) If any of the clauses in the BEC contradict with other clauses of the Bid Document elsewhere, then the clauses in the BEC shall prevail.

iv) 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.

v) 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.

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

vii) **Submission of forged documents**: 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-K**.

viii) **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. Formats for submission of undertaking is enclosed as **Exhibit -I, II & III.**

ix) **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.

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PART-IV

(REVISED)

SCHEDULE OF RATES

The Contractor shall quote their rates in the price bids as per the format given in Proforma-B. The quantities mentioned against each item in Price Bid Format/Price Schedule is for evaluation purposes only. However, payment shall be made for the actual work done. Bidder must also fill up the price break up as mentioned in the Proforma B1. However, offers will be evaluated based on the Proforma-B only.

1.0 Mobilization Charge for Acid Treatment / Fracturing & CTU-FPU Equipment:

Mobilization charges as lump sum amount against Acid Treatment / Fracturing and CTU-FPU equipment, as detailed in the SCOPE OF WORK / TERMS OF REFERENCE, SECTION-II, will be payable under following conditions:

(i) Mobilization charges shall become payable after the equipment, ready in all respects as per scope of work, including obtaining all statutory clearances (as applicable) are arrived at Contractor's Shore base at Kakinada and after on-hire survey by the Company Representative, which shall be no later than 05 (five) working days from the date of arrival/intimation by the contractor & provided it is certified by the Contractor and accepted by Company Representative and/or by Third Party Inspection agency that all equipment / items are in good working condition. Mobilization will be considered as completed on the date of successful inspection of all equipment (Acid/frac, FPU &CTU) and acids including all other chemicals for minimum 02 jobs along with necessary documents carried out by Company representative and/or by Third Party Inspection agency.

Mobilization will be considered as completed only when all equipment/tools are in good condition and are in readiness from all respect for sea-fastening in OIL's provided vessel at Kakinada / Rig at site as follows:

a. All operating Tools/equipment are tested/calibrated to its rated specifications to the satisfaction of Company.
b. Where appropriate all equipment and materials must be delivered on/in suitable skids, tool racks, baskets, containers, pallets, etc. as the case may be.
c. Dangerous goods and explosives must be suitably packaged, labelled, and otherwise marked according to all regulations and MSDS sheets should accompany the package.

d. Appropriate packaging must be utilized for all deliveries.
e. If appropriate, material must be suitably coated with a corrosion prevention material and be packed with a dehumidifier, both of which must be suitable for storage at ambient temperatures of 45ºC.
f. Bidder shall supply appropriate lifting gear for all equipment; current load test certificates for all slings, rigging and lifting gear will be required.

(ii) In case, the equipment (Acid Treatment / Fracturing, FPU &CTU) which require sea-fastening at vessel /rig are not sent to vessel/rig after on-hire survey due to any reason not attributable to Contractor, then ISDR Charges as applicable shall be payable **after 7 days onwards from on-hire survey date**, e.g., in case on-hire survey is done on Day 1, then ISDR Charges shall start from Day 8. However, if any of the Equipment / Tools of the above service(s) are found to be defective or not in operating condition as per its intended operations during hookup or pressure testing or startup / commissioning operations at Offshore Drilling Rig / Vessel, the ISDR charges shall be revoked from the date of consideration till the Equipment / Tools / Services are brought into operation.

(iii) Mobilization charges are inclusive of transportation, sea/airfreight, loading/unloading, shipping, wharfage/demurrage and harbour fees, port or airport fees, packing and handling charges, permit, import clearance charges and all insurance adequate to cover the shipment from the place of origin until arrival at Company's Shore Base at Kakinada where equipment is ordered to be mobilized.

(iv) The total mobilisation cost shall be capped to 7.5 % of the total contract cost. In the event of quoting more than 7.5% of total contract cost, the differential amount above 7.5% will be payable at the end of contract.

(v) The Company will issue EC as required for custom clearance as the service will be used in PEL/ML area, only on receipt of request from the Contractor and all such requests must be made by the Contractor well in advance, so that the Company can make necessary arrangements for providing the documents in time without causing any delay for the customs/port clearance.

(vi) Contractor to ensure sufficient backup tools/spares/consumables /personnel/equipment over and above the minimum quantity specified in the SOW for ensuring uninterrupted operation.

2.0 <u>Charges for sea fastening and Marine Warranty Surveyor (MWS) Approval for the hired equipment:</u>

Company shall provide Vessel and Drilling Rig, as applicable, for sea-fastening of the Acid treatment /fracturing, CTU-FPU equipment. This charge shall be payable as Lump sum for obtaining necessary approval from Marine Warranty Surveyor as applicable, completion of spotting, sea-fastening and sea de-fastening works etc., for the contractor's equipment in OIL's provided vessel / Rig within the stipulated timeline as mentioned in the SOW/TOR of the contract. Except the charges for sea-fastening of stimulation/frac and Marine Warranty Surveyor Approval for the contractor's equipment, no other charges shall be payable during the period of sea fastening / Sea de-fastening works for Acid treating/ fracturing, CTU & FPU equipment at Vessel / Rig as the case may be.

The Acid treating/ fracturing equipment shall be placed at the Vessel and CTU-FPU equipment shall be placed at the Rig.

Further, 80% of the charges shall be paid after completion of sea fastening works for acid treating/frac equipment in vessel and CTU-FPU at Rig along with obtaining necessary MWS approvals and the remaining 20% will be paid after completion of de-fastening works at OIL's provided Vessel / Rig.

3.0 <u>Charges for Interim De-Mobilization and Re-mobilization of equipment for Acid Treatment / Fracturing and CTU-FPU:</u>

The charges are payable to the contractor after completion (if advised) of interim demobilization and subsequent interim re-mobilization of Acid Treatment / Fracturing Equipment and / or CTU – FPU equipment stipulated in the SOW/TOR of the contract and as per advice issued from the company. Post completion of Acid Treatment / Fracturing job and / or CTU – FPU job in any well, the company may advise the contractor for interim demobilization and subsequent remobilization, separately against each set of service packages, depending on ongoing activity in the next well.

The contractor will ensure that interim demobilization is completed, and the Company's Shore Base is cleared-off Contractor's property within 07 days from the date of offloading at the Company's shore base.

The contractor will ensure that interim remobilization at Company's shore base is completed within 15 days from the date of notice.

No other charges shall be payable during period between Interim De-Mobilization and Re-mobilization of equipment.

In case the interim demobilized equipment is not called for interim remobilization, then the interim demobilization notice shall become the final demobilization for respective equipment.

4.0 <u>Demobilization charges for Acid treatment/fracturing and CTU-FPU equipment</u>:

The demobilization charges (Lump sum) for the complete set of equipment for both the Acid treatment/fracturing and the CTU - FPU shall be payable separately, after issuance of the demobilization advised from the company under following conditions:

(i) The Contractor shall arrange for and execute demobilization of the Acid treatment/Frac Services & CTU-FPU Services upon receipt of notice from the Company. The above services shall be demobilized after issuance of Demobilization notice and offloaded at the OIL's shore base where it was initially mobilized as per the Contract.

(ii) Demobilization charges shall be quoted separately on lump sum basis against each for (a) Acid treatment/Frac Services & (b) CTU-FPU Services and shall include all expenses for demobilization of the Services from the Company's Shore Base at Kakinada to Contractor's base in India or abroad.

(iii) All charges on Tools / Equipment / Spare / Accessories etc. shall cease to exist with effect from the day the Contractor is issued de-mobilization notice by the Company and Tools / Equipment / Spare / Accessories etc. are offloaded at the Company's / Contractor's shore base where it was initially mobilized as per the Contract. The contractor will ensure that demobilization is completed, and the Company's Shore Base is cleared-off Contractor's property within 07 days from the date of offloading at the Company's shore base.

(iv) The demobilization charge will include all expenses for inland transport, sea freight/airfreight, loading and unloading, shipping, wharfage and harbour fees, port or airport fees, packing and handling charges, permit or octroi charges (if any), export clearance charges and all insurance adequate to cover the shipment until arrival at Contractor's base in India or abroad.

5.0 Individual Service Day Rate (ISDR) charges of acid treatment/frac equipment and CTU-FPU equipment

(i) Contractor shall be paid ISDR charges individually for the acid treatment/frac equipment & CTU – PFU equipment as per conditions stipulated in the scope of work, SCC and respective price schedules. ISDR charges will be payable for full day or part thereof on pro-rata basis up to the nearest hour and shall commence after completion of the mobilization and made ready in all respects to start operations as described in clause 1.0 of SoR above.

(ii) ISDR charges of CTU-FPU equipment placed on Rig will continue till offloaded at the Company's Shore base at Kakinada as per the Demobilization notice. For acid treating/frac equipment placed on Vessel, the ISDR charges will continue till arrival of vessel at Company's Shore base for dismantling & offloading of sea-fastened equipment as per the Demobilization notice.

(iii) In case, the equipment (Acid Treatment / Fracturing, FPU &CTU) which require sea-fastening at vessel /rig are not sent to vessel/rig after on-hire survey due to any reason not attributable to Contractor, then ISDR Charges as applicable shall be payable **after 7 days onwards from on-hire survey date**, e.g., in case on-hire survey is done on Day 1, then ISDR Charges shall start from Day 8. However, if any of the Equipment / Tools of the above service(s) are found to be defective or not in operating condition as per its intended operations during hookup or pressure testing or startup / commissioning operations at Offshore Drilling Rig / Vessel, the ISDR charges shall be revoked from the date of consideration till the Equipment / Tools / Services are brought into operation.

(iv) ISDR charges shall not exceed 75 % of the respective OCDR charges. In the event of quoting more than 75% of the OCDR, only 75% of the OCDR will be paid.

(v) Break Down clause as per SCC will be applicable if contractor's tool/equipment fails to perform its intended operations until the tool/equipment is back in operating condition.

(vi) From the date of OIL's hand-over of vessel for spotting & sea-fastening of HF equipment till completion of sea-fastening jobs, no ISDR charges shall be paid for the HF equipment. Similarly, ISDR charges shall cease to exist from the date of arrival of the vessel at OIL's shore-base for dismantling of the sea-fastened HF equipment after issuance of demobilization notice.

(vii) At any point of time, either ISDR Charges or OCDR Charges will be payable.

6.0 Charges for formulated Acids and all Other Chemicals

The charges for the formulated Acids and all other chemicals as per job requirement of formulated acid per bbl and shall include the cost of all necessary chemicals for preparation of the fracturing fluid. The charges are payable against the actual volume of formulated acid pumped into the well.

Price Break up of each acid and chemical shall be provided as per Proforma B1 for OIL's reference.

7.0 Operating Component Day Rate (OCDR) for acid treating/fracturing and CTU-FPU Equipment:

Under the contract, the Contractor shall be entitled to Operating Component Day rate (OCDR) charges as detailed below. The OCDR will be payable for full day or part thereof on pro-rata basis up to the nearest hour and these rates are inclusive of spares etc., if required for the successful execution of the work.

(i) The OCDR for acid treating/Fracturing services shall be payable for the period when the equipment are setup and pressure tested at site, ready for operation, hooked up with the flow head and the fluid is pumping into well.

(ii) The OCDR for CTU-FPU services shall be payable for the period when the surface equipment are setup, CT rigged-up, head & all lines pressure tested, ready for operation and the CT-tool (BHA) is below the rotary table (BRT) till the CT-tool (BHA) is pulled out of the hole.

(iii) If the Bidder's tool/equipment fails to perform, for any reason in the duration of operation, then zero rate shall become payable for the entire services until the equipment/tool is put back into operating condition or evidence by demonstration of operation in actual tests or use to the satisfaction of Company. If the equipment couldn't be brought into operation within 2 hours, then Break Down clause as per SCC will be applicable.

(iv) At any point of time, either OCDR or ISDR Charges will be payable.

8.0 CHARGES FOR PERSONNEL DAY RATE

Company shall pay the Contractor the quoted DAY RATE CHARGES to following minimum service personnel.

A. Acid treating/fracturing Crew:

Stimulation Engineer	1
Stimulation Supervisor	1
Equipment Operator	2
Laboratory Technician	1
Mechanic Technician	1
Electronic Technician	1
Helpers	2
Data Acquisition Specialist	1

B. CTU Crew:

Coil Tubing Engineer	1
Coil Tubing Services Supervisor	1
Coil Tubing Operator	1
Coil Tubing Operator Assistant	2

Notes:

i) The above manpower is for 24 hours operation on shift basis.

ii) The quoted day rate of the service personnel shall be all inclusive of their local travel, boarding, lodging at contractor's facility and travel expenses for change of manpower against their due rest only.

iii) In addition to the above manpower, the Base Manager shall be engaged from start of the kickoff meeting till completion of contract.

iv) The charges for the initial mobilization, interim de-mob / re-mob (if issued by the Company) and the final demobilization shall not be excluded.

v) The Company shall provide transportation from Company designated Heli-base to the DP Vessel/Drilling Rig. The Company will also provide accommodation and food while the personnel is on the DP Vessel/Drilling Rig.

vi) Any day rate charges for personnel will be paid only when on the DP Vessel/Drilling Rig. If any person/personnel are mobilized/ remobilized to the Company's Shore Base or offloaded from the DP Vessel/Drilling Rig by the Company due to any other reason or contingencies at the Company's request, the Company shall pay only the quoted day rate which will be inclusive of local travel, boarding, lodging, etc.

vii) Personnel charge of Service Personnel shall be 24 hours a day (pro rata basis for part thereof up to the completed full hours only) basis.

viii) Personnel will be required on a call out basis. Company shall give a

maximum of 07 days' notice.

ix) Only key personnel are mentioned in the Contract. Optimum utilization of the supporting personnel is the responsibility of the Contractor.

9.0 Zero rates, Force Majeure Rates and Penalty

In an event wherein contractor fails to execute the acid treating/fracturing operation or CT operations due to any reason attributable to the contractor, Zero rates shall be applicable for delay for those period. In addition to the Zero rates, penalty shall be imposed and recovered from contractor as per Clause no. 7.0 of SCC.

Force Majeure Day rate shall be 50% of the ISDR Charge.

PROFORMA-B

Price Bid Format

(REVISED)

Name of the bidder:	
Tender No.	**GEM/2025/B/6372256**
Quoted Currency:	**Indian Rupees (INR)**

HIRING THE SERVICES FOR ACID TRAETMENT / FRACTURING OF 02 NOS. OF EXPLORATORY WELLS IN ANDAMAN BLOCK

Sl. No.	Description	Unit	Qty (A)	Quoted Unit Rate excluding GST (B)	Quoted Amount (excl TAX) (C) = (A) x (B)	SAC/HSN Code	Quoted GST Rate (D) (in % percentage)	Quoted Amount (incl TAX) (E) = (C) + [(C) x (D)/100]
1	Mobilization Charges (for Acid treatment / frac-equipment)	Lump sum	1		₹ -			₹ -
2	Mobilization Charges (for CTU-FPU equipment)	Lump sum	1		₹ -			₹ -
3	Charges for Seafastening & MWS approval for all equipment	Lump sum	1		₹ -			₹ -
4	ISDR charge for Acid treatment / frac-equipment	Days	70		₹ -			₹ -
5	ISDR charge for CTU-FPU equipment	Days	70		₹ -			₹ -
6	Personnel Charges for Acid treatment / frac Services	Days	45		₹ -			₹ -
7	Personnel Charges for CTU-FPU Services	Days	45		₹ -			₹ -
8	OCDR for Acid treatment / frac Services	Days	12		₹ -			₹ -
9	OCDR for CTU-FPU Services	Days	18		₹ -			₹ -

10	Interim De-mobilization & Remobilization Charges for Acid treatment / frac equipment	Lump sum	1		₹ -			₹ -
11	Interim De-mobilization & Remobilization Charges for CTU-FPU Equipment	Lump sum	1		₹ -			₹ -
12	Demobilization charge for Acid treatment / frac Equipment	Lump sum	1		₹ -			₹ -
13	Demobilization charge for CTU-FPU Equipment	Lump sum	1		₹ -			₹ -
14	Charges of formulated Acids and all other chemicals	Per BBL	3600		₹ -			₹ -
Total Estimate Cost of Services in 02 Wells (excl CST) :					₹ -			
(AA) Total Estimate Cost of Services in 02 Wells (incl of GST) :								**₹ -**

Notes:

1. **For Sl. No. 1& 2 together, the mobilisation cost shall be capped to 7.5 % of the total quoted cost**
2. **For Sl. No. 3: No other charges shall be applicable during seafastening & MWS approval for all equipment.**
3. **Sl. No. 4&5: ISDR charges shall not exceed 75 % of the respective OCDR charges (sl. No. 8 & 9).**
4. **Sl. No. 14: Charges will be paid against actual volume consumed for formulated acids & other chemicals. This charge include cost of all acid, nuetraliser & other chemicals consumed for acid fracturing job.**
5. **ISDR charges shall not be more than 75% of OCDR charges.**
6. **The price to be quoted is for evaluation purpose only. However, the payment shall be made for the quantities consumed at actual.**

Meeting / Project Name:	Pre-Bid Meeting for Tender No. **GEM/2025/B/6372256** for "Hiring of services for Hydraulic fracturing and associated services for 02 wells in Andaman offshore blocks with a provision to extend the services for additional one well at the same rates and terms & conditions".		
Date of Meeting:	15th July 2025	**Time:**	11:00 AM
Meeting Facilitator:	DGM (Production)	**Location / Mode:**	OIL KG Basin Project Office, Kakinada / Online & On site

1. Meeting Objective

Objective:

The pre-bid meeting was organized to address the queries raised by the bidders for the said tender within the pre-bid query submission deadline.

On receiving technical, financial and commercial queries from 03 (three) prospective bidders regarding the tender, pre-bid meeting was held to deliberate on bidders' queries, contemplate if any suggested modifications / additions / deletions are appropriate and if found suitable, incorporate the same in the bidding document.

Participants (Oil India Limited)	**Participants (Vendors)**
Mr. S S Dash, CGM (F&A)	M/s. Halliburton
Mr. G C Sarma, CGM (C&P)	M/s. Schlumberger
Mr. A Suresh, DGM (Production)	M/s. Baker Hughes
Mr. D Tamuli, DGM (Production)	
Mr. A L Bora, CM (C&P)	
Mrs. T Agrawal, SM (C&P)	
***Pre-bid Attendance sheet enclosed.**	

2. Opening Remarks

The Pre-Bid conference was held in the Conference room of KG Basin Project office which was attended by members from OIL and representatives of three parties physically as well as through Video conference from their locations.

CGM (C&P) opened the meeting by introducing the attendees from OIL and then greeted all the vendor representative who attended physically and via videocall. The attendees from the vendors' side were also given a chance to introduce themselves.

DGM-Production then, briefed about the projects, project timelines & salient features of the tender and put forward the meeting's agenda. Subsequently, CM (C&P) explained the bidders various non-negotiable commercial points of the tender like EMD, Bid Validity, Integrity Pact etc. requesting for strict compliance of the same.

3. Issues, Decisions, Notes

Subsequently, queries received in advance were discussed amongst the vendor's representative present in the conference. The queries related to technical terms and specs. were clarified / resolved. In regard to the queries related to General Conditions of Contract, it was stressed by OIL that any exceptions / modifications to the GCC shall not be accepted, unless otherwise necessitated in which case a counter clause shall be included in SCC of NIT. Additional queries asked during the conference were also clarified. The consolidated list of pre-bid queries and OIL's clarifications is enclosed herewith.

Finally after taking up all the queries, the vendors were assured that after compilation of the queries, MOM, consolidated OIL's reply / clarifications along with requisite tender amendment will be notified on GeM portal with sufficient time for bid submission.

5. Closing Remarks

DGM-Production thanked the vendors for taking time to attend the Pre-Bid conference and making it a success. He also mentioned that the observations have been taken positively and the changes which are feasible and plausible will be amended in the tender document suitably to elicit wider response.

PRE-BID QUERIES

Name of Bidder: XXXXX

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
GENERAL CONDITIONS OF CONTRACT				
1.	Clause 27.11	a) Audited account up to completion of the Contract. b) Tax audit report for the above period as required under the Indian Tax Laws. c) Documentary evidence regarding the submission of returns and payment to taxes for the expatriate personnel engaged by the CONTRACTOR or by its subCONTRACTOR. d) Proof of re-export of all items including the unutilized spares and consumables (excepting consumables consumed during the contract period) and also cancellation of re-export bond if any. e) Any other documents as required by applicable Indian Laws.	Bidder requests the Company to clarify following: • Whether all the listed documents (points a–e) are mandatory in all cases or only applicable on a case-by-case basis. • For point (c), would declarations on expat tax compliance suffice, or are income tax filings also required. • Clarification on what is meant by "Audited account up to completion of the contract."	• All documents are mandatory. • Declaration is also acceptable. • Audited accounts of relevant FY is acceptable.
Attachment - II				
2.	13. Wellhead tools: II	Pls delete following requirement: ~~**Wellhead isolation tools**~~	As the equipment required are 10k psi rated and wellhead is also rated for 10k psi, Wellhead isolation tool is not required	Deleted. Please refer amended SoW.

Name of Bidder: XXXXXXX

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
BID DOCUMENT				
1.		This Bid is governed by the General Terms and Conditions, conditions stipulated in Bid and Service Level Agreement specific to this Service as provided in the Marketplace. However in case if any condition specified in General Terms and Conditions is contradicted by the conditions stipulated in Service Level Agreement, then it will over ride the conditions in the General Terms and Conditions.	Bidder notes that though the tender documents include General Terms and Conditions on GeM 4.0 (Version 1.24), the same is not referred in the precedence of documents. OIL to please confirm the order of precedence is as follows for the services contract: 1. SECTION-III (PART-II): SPECIAL CONDITIONS OF CONTRACT (SCC); 2. SECTION-I PART II: GENERAL CONDITIONS OF CONTRACT (GCC) 3. ANNEXURE-III (PART-I): SCOPE OF WORK AND TECHNICAL SPECIFICATIONS 4. GENERAL TERMS AND CONDITIONS ON GEM 4.0 (VERSION 1.24) DT 5TH MAY 2025	The order of precedence will be as under: 1. ANNEXURE-III (PART-I): SCOPE OF WORK AND TECHNICAL SPECIFICATIONS 2. SECTION-III (PART-II): SPECIAL CONDITIONS OF CONTRACT (SCC); 3. SECTION-I PART II: GENERAL CONDITIONS OF CONTRACT (GCC) 4. GENERAL TERMS AND CONDITIONS ON GEM 4.0 (VERSION 1.24) DT 5TH MAY 2025
2.	NOTICE INVITING TENDERS p)	**Please amend as follows:** Tender document NOTICE INVITING TENDERS	Based on a detailed assessment of project requirements and external factors, we kindly request Company to accept our proposed extension which are realistic to	Phase I is deleted. Please refer amended SoW. As the job requirement is of immediate nature, bidder to

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
		p) Mobilization Time : • Phase-I, Kickoff Meeting : Within 10 days from the date of LOA • Phase-I, Data Collection, Study, Design & report submission with Presentation: Within ~~30~~ **40** days from the date of LOA. • Phase-II, HF Fleet including bare minimum consumables for 3 jobs: Within ~~60~~ **150** days from date of issuance of Mob Notice • Phase-II, CTU-FPU services: Within ~~80~~ **90** days from date of issuance of Mob Notice For further details, respective clauses of SoW and SCC to be referred.	ensure a successful and risk-mitigated mobilisation phase.	mobilise within the timeframe mentioned in the amended scope of work for all equipment, Tools & Tackles.
3.	EMD	As mentioned in clause no.4.xiii.m(v) of GeM GTC, Sellers/ Service Provider having annual turnover of INR 500 Crore or more, at least in one of the past three completed financial year(s) are exempted from submitting bid security.	The XXXXX entity which will be bidding for this tender has been registered in GEM with the turnover of >500 Cr every year. In view of this could you please confirm on the exemption applicability entity? Furthermore, upon input of our bid in GeM, both technical as well as commercial bid, we get a clear green mark as "EXEMPTED" while submitting our bid.	Clarified. As per GeM.
SECTION-I PART II - GENERAL CONDITIONS OF CONTRACT (GCC)				

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
4.	14.1 a)	Please amend as below: The Contractor shall, at his own expense, **if required by Contractor,** arrange appropriate comprehensive insurance (All-risks insurance cover with suitable limit as per International Standard) to cover all risks assumed by the Contractor under this Contract in respect of its equipment, tools including but not limited to well equipment & tools, any other belongings and personnel during the entire period of this Contract including extensions thereof.	Since OIL, except while in the well, does not have liability for contractor's tools, we request OIL to allow Contractor to decide whether to take insurance or not.	No change
5.	14.1 b)	Please amend as below: The Contractor shall also carry adequate insurance cover against damage/loss to third party/person/property **to cover its liabilities under Contract**.	We request this addition for clarity as contractor shall have insurance to cover its liabilities only.	No change
6.	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
7.	14.7 Additional Assured	Please amend the clause below: "Oil India Limited" is to be ~~included as Additional Assured~~ **named as Additional Insured** in the Insurance Policies (except in case of Workmen	Proposed change to align with 14.12 i)	No change

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
		Compensation/Employer's Liability **extent of the indemnities undertaken by Contractor under this Contract**.	Additional Assured status shall be to the extent of liabilities of Contractor under the Contract only.	
8.	14.12 i) Employees Compensation (EC) Policy or Employer's Liability Policy insurance	Please amend as below: ~~Employees Compensation (EC) Policy~~ **Workmen Compensation** or Employer's Liability Policy insurance as required by the **applicable** laws of the **Contract** ~~country of origin of the employee~~.	We request this insurance to be applicable as per the applicable laws of the contract. 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.	No change
9.	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 in transit.~~	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
10.	14.12 v) Public Liability Act Policy	Please delete the clause below: ~~Public Liability Act Policy, if applicable, covering the statutory liability arising out of accidents occurring during the currency of the substances as provided in the Public Liability Insurance Act 1991 and the Rules framed there under. In case there is no usage~~	Bidder request deletion of this clause considering this is not relevant to the scope of this tender as there is no handling of hazardous substances.	No change

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
		~~of hazardous substance, the Contractor should provide an undertaking regarding non inclusion of hazardous substances within the ambit of the contract~~		
11.	14.12 vi) PRADHAN MANTRI SURAKSHA BIMA YOJNA (PMSBY)AND PRADHAN MANTRI JEEVAN JYOTI BIMA TOJANA (PMJJBY)	Please delete the obligation to maintain this insurance.	We request this change for additional clarity on the applicability of the PMSBY and PMJJBY insurances. This change was agreed in the following recent tenders: ▪ Tender CDG4876P24 for Hiring of Directional Drilling Services. ▪ Tender GEM/2024/B/4609668 for Hiring of Bundled Services (comprising of Cementing and Mud Engineering Services).	No change
12.	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 including the service equipment at the risk and cost of the CONTRACTOR.~~	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 Reply
13.	27. GOODS AND SERVICES TAX	Reimbursement to Contractor The Contractor would charge GST on recovery of reimbursement	Reimbursements are subject to GST in terms of the provisions of GST law. Hence, GST is applicable on reimbursements.	Reimbursements will on pure agent concept and hence, GST will not be applicable.
14.	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)~~ **after giving 7 days prior written notice to Contractor**.	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
15.	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 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	Existing clause doesn't factor any liability which arises 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 Reply
		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"		
16.	44.0 TERMINATION	**Please amend as follows:** 44.9 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 payment of services as per the Contract upto the date of termination.	Bidder is kindly asking to increase the notification period in case of termination for any reason not listed within clauses 44.1-44.8, given the time necessary for equipment mobilisation and vessel building, which encompass a high amount of resources. Therefore, a longer notice would help better plan and ensure smoothness of operations.	No change
17.	45.0 TO DETERMINE THE CONTRACT	Please amend the clause below: 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	Since 44.9 is for termination for OIL's convenience, Bidder requests removal from this provision. 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.	No change

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
		other means, at the ~~risk and~~ cost of the CONTRACTOR, and any of its sureties if any, shall be liable to the COMPANY for any excess cost occasioned by such work having to be so taken over and completed by the COMPANY **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~~.		
18.	46.0 WITHOUT DETERMINING THE CONTRACT	Please amend the clause below: 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~~.	Since 44.9 is for termination for OIL's convenience, Bidder requests removal from this provision. Hiring of any other party cannot be at the "risk" of the Contractor. Contractor's liability to be capped	No change
ANNEXURE-III (PART-I): SCOPE OF WORK AND TECHNICAL SPECIFICATIONS				
19.	Attachment-I 2.11.1	Please amend as below: However, bidder can add/**remove** any other chemicals in their quote if the same is necessary for successful operation of fracturing the wells.	For clarity	The clause is self-explanatory (List is generic)

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
20.	Attachment-II 1. High Pressure Pumping System:	Please revise as follows: a) Minimum required quantity of High pressure Triplex / Quintuplex intermittent service pumps rated at minimum 10000 psi working pressure capable of delivering at least ~~12000~~ **8000** HHP (total) and capable of pumping sand slurry and acids at a minimum total rate of 12-32 bpm. To accommodate the equipment on the limited space of vessel / Rig, higher HHP pumping unit will be preferred. Proper fluid ends rated to minimum 10000 psi capable of pumping at total rate of minimum 32 bpm. ~~b) In addition to the above, One High pressure Triplex/ Quintuplex intermittent service pump capable of all types of stimulation chemicals & blends, acid slurries, Diesel, Water etc. The pump should be rated at 10000 psi (Minimum) cold working pressure. The pumps should be complete with suitable fluid ends for pumping stimulation fluids / cleanout fluids at low rates / during CTU jobs (@ 0.4-2 bpm) etc.~~	Bidder proposes these changes considering the available space on vessel/rig. Considering 10k psi as maximum allowed surface pressure 8000 HHP will meet the requirement for these jobs.	Please refer to amended SoW.
21.	Attachment II 1. High Pressure Pumping System:	Please delete following requirement: ~~In addition to the above, One High pressure Triplex/ Quintuplex intermittent service pump capable of all types of stimulation chemicals & blends, acid slurries, Diesel, Water etc. The pump should be rated at 10000 psi (Minimum) cold working pressure. The pumps should be complete with suitable fluid ends for pumping stimulation fluids / cleanout fluids at low rates / during CTU jobs (@ 0.4-2 bpm) etc.~~	Considering the space requirement and planned treatment types, this pump is not required.	Please refer to amended SoW.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
22.	Attachment II 8. Gel Hydration blending System	**Please delete this requirement**	Bidder's proposed fluid system does not require Gel Hydration blending System. This will also save deck/rig space	Please refer to amended SoW.
23.	Attachment II Coflex Hoses	**Please amend as follows:** • ~~2~~ **1** each ~~either~~ 4" ~~or~~ 3" 1502 Weco connection or size appropriate for pumping rate up to ~~32~~ **20** bpm… • ~~2~~ **1** no. of Hydraulic disconnect • **1 ea winch for Coflex hose**	This will meet the desired pumping rate and also save rig/deck space. Bidder requests the Company to add the requirement for winch.	Please refer to amended SoW.
24.	Scope of Work (Page 57)	Please amend as below: OIL may, however, utilize this contract for any of the wells of the same block ~~or any other blocks based on its sole discretion.~~	Reasonable request.	Tender conditions prevail. Separate line item in price bid format will be incorporated for Interim mob & demob.
25.	Scope of Work (Page 61)	All handling equipment and logistic support like crane, trailer/truck, fork lifter etc. required till company's shore base will have to be arranged by the contractor.	Please clarify the location of shore base so that proper assumptions can be done while assessing the mobilization time. Kakinada/ Port Blair/ Cochin is mentioned in the tender document.	Shore Base will be Kakinada. Please refer amended SoW.
26.	Scope of Work Services to be provided by contractor (Page 62)	The responsibility includes customs clearance & payment of customs duty on the stores & spares imported for the operations and maintenance of the vessel (if applicable).	Bidder request OIL to take the responsibility of all documents while movement of spares from shore base to offshore.	Please refer amended SoW. Clause is applicable to Bidder's stores & spares for intended operations as per SoW and not for the Vessel.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
27.	Scope of Work 1.8 Tools/Equipment/Spares/ Consumables (page 64)	Equipment must be Maritime Standard, i.e. Class society design compliant.	Please clarify the maritime standard needed.	Applicable for Bidder's Equipment on Vessel / Rig.
28.	1.27 Services to be provided by OIL 6.2Material, Supplies, Equipment, Services and personnel to be furnished by Company	Bidder would like to clarify what POL stands for in clause 1.27 Services to be provided by OIL of Annexure-III (PART-I) SCHEDULE 1 SCOPE OF WORK AND TECHNICAL SPECIFICATIONS and 6.2Material, Supplies, Equipment, Services and personnel to be furnished by Company of SCHEDULE-6 6.1MATERIAL, SUPPLIES, EQUIPMENTS, SERVICES AND PERSONNEL TO BE FURNISHED BY CONTRACTOR	Bidder would like clarity on the POL meaning.	Self explanatory. Clarified in Pre-bid meeting.
29.	1.6 RESIDUAL LIFE OF HF EQUIPMENT AND TOOLS:	**Please amend as follows:** Annexure-III (PART-I) SCHEDULE 1 SCOPE OF WORK AND TECHNICAL SPECIFICATIONS 1.6 RESIDUAL LIFE OF HF EQUIPMENT AND TOOLS: The residual life of all the Hydrofracking Equipment's, Acid, FPU and CTU equipment shall not be less than ~~5 (Five) years~~ 1(one) year as on the original bid closing date of the tender. The equipment's should have been re-certified by the third-party certifying agencies viz: LRDISI, ABS, Oilfield Audit Services Inc., DNV GL, Bureau Veritas India Pvt Ltd (BV) and OMCI in the last one year from the	Bidder is kindly requesting to lower the residual life of equipment to one year, aligning this way with the contract duration.	Tender Conditions prevail. Please refer amended SoW.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
		original bid closing date and the certificate shall be kept valid for the contract period. All credentials such as manufacturing documents, linking serial nos. embossed on the equipment's offered with detailed specifications, must be submitted before mobilizing the equipment and also at the time of on-hire survey.		
30.	1.8 TOOLS/EQUIPMENT/SPARES/CONSUMABLES	**Please amend as follows:** Annexure-III (PART-I) SCHEDULE 1 SCOPE OF WORK AND TECHNICAL SPECIFICATIONS 1.8 TOOLS/EQUIPMENT/SPARES/CONSUMABLES: The Bidder shall keep sufficient back up tools and equipment, spares, elastomers, redress kits, etc. in order to ensure uninterrupted services. An indicative list of tools and equipment are given as under. Any additional tools/equipment required to fulfil the scope of work ~~but not~~ should be limited to the ones covered in the list are also to be supplied by Bidder ~~at no extra charge.~~	Reasonable request	Tender Conditions prevail.
31.	1.9	The Bidder shall be responsible for ensuring that all the equipment provided satisfies Warranty Surveyors requirements/acceptance.	Bidder requests the Company to specify the requirements for Rig's Warranty Surveyor	Bidder's equipment to be placed on Vessel / Rig shall be acceptable by Warranty Surveyors w.r.to HSE.
32.	1.9	**Please amend as follows:** 1.9 [..] Any certification required by the Rig / Vessel	Zone II is only required when the equipment is on drill floor.	Please refer to amended SoW.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
		Service provider for onboarding the equipment on Rig / Vessel, the service provider shall comply the requirement without any additional cost implication to company. Bidder's ~~all~~ Equipment present on the rig floor shall be Zone II compliant.		
33.	1.10	**Please amend as follows:** Sea fastening Study by 3rd party to design adequate securing for all hydrofrac equipment, using 17deg list condition with an additional 10deg static angle applied to reflect inertial forces due to rig / vessel motions in the damage **will be under vessel provider scope.** **condition.**	Bidder requests the Company to keep this under the vessel provider scope as vessel provider will best understand the requirement for 3rd party study	Tender conditions prevail.
34.	1.14	**Please amend as follows:** All these equipment to be functional tested individually and wet test has to be carried out. Bidder has to ensure to obtain satisfactory report of successful wet test from OIL before taking up ~~each well for stimulation job~~.**the first job**	As the equipment will either sea fastened or spotted on the rig, there is no need for additional wet test prior to every job.	Tender conditions prevail.
35.	2.3 **Other Equipment:**	**Please remove following requirement:** ~~Minimum 50 Meters length Flexible Rubber hoses (2"/4"/3" – 10000 Psi working Pressure) capable of handling stimulation chemicals for pumping purposes~~	For pumping stimulation chemicals from vessel, Coflexip hose will be used.	Please refer to amended SoW.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
36.	Annexure-II (part - I) Scope of work and technical specification Phase 2	*Packer failure implies failure to hold test/differential pressures post setting **after confirming that the Tubing is not leaking**, Failure during Load test such as push pull test and/or any other such test, and any other confirmatory test to ensure successful functioning of the packer which are not mentioned and any failure of job hydro-fracture job attributable to the packer.	Bidder requests company to make the changes as highlighted in Bold	Please refer to amended SoW.
37.	Schedule 7 7.1.7	Following valid certificates should be made available for the equipment at the time of on-hire survey. All these certificates should remain valid during the course of contract. …. V. Zone-II compliance of ~~each~~ **equipment which is required to be placed in Zone-II classified area**	Only equipment which will spotted in Zone-II area should be certified for Zone-II.	Tender condition prevail. Clarified in Pre-bid meeting.
38.	Schedule 7 7.2.2	Please amend as follows: Day rate for the Stimulation equipment package, Coil Tubing Unit, Fluid Pumper Unit and Crew shall be applicable from the date and time of successful completion of on-hire offshore survey (mobilization complete) and shall cease ~~on the expiry of the contract or the date and time of demobilization advise whichever is earlier~~ **upon returning of stimulation equipment to the contractor's onshore base**.	Bidder requests this amendment as the equipment will be under Company's service until returning to the bidder's base.	No change & Bidder's Understanding is Correct.
39.	Schedule 7 7.2.4	Please amend as follows: In case of non-acceptability of the stimulation package /equipment / material / consumables on account of above	Payment should be applicable once successful wet test is completed. 2.	Tender conditions prevail.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
		at para 7.2.3, the equipment / material / consumables will be accepted after making up the deficiency as per the tender requirement. No payment will be due, till such time the deficiencies are corrected and duly accepted by ~~Class Authority (if any)~~ **OIL**and ~~First Successful Offshore Stimulation job / CTU Operation as per clause 7.2.2.~~ **successful wet test**		
40.	Schedule 7.4 (Page 82)	Please delete the below clause: ~~If any of the equipment is withdrawn by the contractor during the period of contract due to breakdown or any other reason, then it will not be liability of Company to clear the Company's material from vessel/Rig/platform deck. However, if the decks are required to be cleared, the contractor may be asked to go to the nearest possible location depending on the availability of the space for offloading the material at the contractor's cost.~~	Reasonable request. Bidder will not have facilities offshore to offload and demobilize equipment from the platform.	Tender conditions prevail.
41.	Attachment II 3.3.2. High Pressure Coil Tubing Unit (Page 112)	Please amend as below: f. High pressure coiled tubing with grade ~~95,000~~ **90,000** lbs yield strength (minimum). Wall thickness of coiled tubing must be computer simulated and selected to suit operational requirement.	90k psi is a common parameter for yield strength.	Please refer to amended SoW.
42.	Coil Tubing BOP (page 113)	Please amend as below: The standard BOP configuration will be a quad/ **combi** described top to bottom, and their functions:	Reasonable request	COMBI BOP is acceptable. Please refer amended SoW.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
		1. Blind ram – seals the wellbore when the CT is out of the BOP 2. Shear ram – cuts the CT and seal the wellbore 3. Slip ram – supports the weight of CT hanging below it 4. Pipe ram – seals around the hanging CT OR **1. Blind/Shear Ram** **2. Pipe/Slip Ram**		
43.	Data Acquisition System (Page 115)	Please amend as below: The DAS should have capability to record (memory mode) ~~**and display the**~~ Permanent Downhole Gauge (PDG) data. Bidder should provide suitable connector to connect PDG to DAS system. Details of the down hole gauge will be provided to the contractor when required. (…..) ~~Ovality, OD of CT Sting should be required to be monitored after every Job~~	Downhole gauges are in memory mode for CT operations.	Please refer amended SoW.
44.	Other Requirements (Page 115)	Please amend as below: …. -Profiled with 120"V/ **C type blocks** Bidder will provide Quick latch Connections/**Pin Type** to facilitate safe and efficient operations where possible. Bidder will provide technical information on any proposed	Request as per the bidder's specifications	Please refer amended SoW.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
		connections recommended above the stripper, to makeup with wellhead or drill pipe or stabbing into the BOP stack.		
45.	Other Requirements (Page 116)	Please amend as below: c. Bidder Will provide Quick test sub, ~~4~~ **1** nos. for easy connect and disconnect of stripper to BOP and will save time between the job by providing pressure integrity in CT stack by means of testing seal, with proper testing equipment only in instead of testing whole CT stack	Reasonable request	Please refer amended SoW.
46.	Crossovers (Page 116)	Bidder will also provide following X-overs: … 2. X-over from External Connector to TIW valve in case of CT Cutting … 4. TIW to 1502 in case for Pumping Operation for CT Cutting 5. X/O: 3-1/16" x 4-1/16" Flange Connection 10 K API Flange- 3 nos.	Bidder request company to provide the exact specifications of the crossover needed.	Please refer amended SoW.
47.	3.2.4. 4 1/16" 10k riser	Please amend as below: a. 2ft, 4 ft, 5 ft, 6 ft, 8 ft, 10ft and 15 ft-Total ~~100ft~~ **50 ft** b. 4 1/16", 10 K API Flanged/ **Bowen**	Reasonable request, depends on the space between the rig floor and top drive.	Please refer amended SoW.
48.	3.2.8 Pumping Services Positive Displacement	Please amend as below:	Reasonable request as per general equipment specifications	Please refer to amended SoW.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
	pump (with one back up) (Page 119)	• 750 HHP on callout basis **(500 HHP primary pump + 250/500 HHP back up pump)**		
49.	Batch Mixer (Page 119)	Please amend as below: Compact skid of 50/**100** bbls capacity tank with agitator	Reasonable request as per general equipment specifications	Please refer to amended SoW.
50.	The CTU Crew (Page 123)	Please amend as below: Experienced (min 3 years) and competent to carry out the assigned jobs safely and successfully. Should have experience with documentary proof of CTU operations in offshore/**onshore** wells above ~~10000~~ **8500** psi.	Reasonable request as there are differences in mode of operations as per pressure in offshore or onshore operations.	Please refer to amended SoW.
51.	Annexure-III (Part I) Scope of Work Page no-60	Retrievable packers of 10000 psi differential pressure rating with required tools/accessories (Seal bore extension, LTSA, Redress Kit etc.,) for its installation and retrieval has to be supplied by the contractor. **Please mention size of Casing and PPF in which Packer to be set and connection of the 3-1/2"Tubing with PPF . Also we need Material for Packer and LTSA .** **Please mention H2S and CO2 % in the well for selection of elastomers of Packer and LTSA**	Casing size and PPF and material grade is must for Packer selection.CO2 and H2S % required for elastomer selection.	Please refer to amended SoW.
SECTION-III (PART-II): SPECIAL CONDITIONS OF CONTRACT (SCC)				
52.	15.0 DAMAGE TO PIPELINE,	Please delete the entire clause: ~~Contractor~~ Company shall be responsible and hold ~~Company~~ Contractor harmless for any damages to	We request these changes in line with following recent tenders:	Tender Conditions Prevail.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
	PLATFORMS, DRILLING RIGS OR VESSELS	pipeline, platforms, drilling rigs, vessels and damage or loss of materials or equipment of Company and/or other third-party materials or equipment in the area of operation for reasons ~~attributed to the gross negligence of the Contractor, provided that Contractor's liability shall not exceed US Dollars Five Hundred Thousand per occurrence. The Company shall be responsible for and shall indemnify and hold Contractor harmless for all amounts in excess thereof~~.	▪ IFB 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. ▪ IFB No. CEG7546P25 for Hiring of Bundle Services inclusive of Marine Vessels to support drilling operations in Offshore DSF Block KG/OSDSF/GSKW/2018.	
53.	19.0 Pollution and Contamination	Please amend the clause below: Notwithstanding anything to the contrary contained herein, it is understood and agreed by and between the Contractor and Company that the responsibility for pollution or contamination shall be as follows: (a) The Contractor shall assume all responsibility for cleaning up and controlling pollution or contamination which originates **from Contractor's equipment and facilities** above the surface ~~of the water from spills or fuels, lubricants, motor oils, normal water base drilling / completion fluid and attendant cuttings, pipe dope, paints solvents, ballast, bilge and garbage wholly in Contractor's possession and control and directly associated with Contractor's equipment and facilities, provided, however, Contractor's liability shall be limited to US Dollars One Million (US$ 1 Million) where after the Company.~~ **Contractor** shall **protect, defend,** indemnify and hold	Bidder request the pollution and contamination clause to be amended in accordance with the clause agreed with OIL which forms a part of all wellsite tenders and contracts including: ▪ 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 ▪ Tender No. CDG7411L22 for Hiring of 03 (Three) Nos. Wireline Logging Units with Services	Tender Conditions Prevail.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
		harmless ~~Contractor for amounts in excess~~ **from and against all claims, demands and causes of action of every kind and character arising from all pollution, contamination, which may occur from any cause, save and except pollution or contamination for which the Company assumes liability in terms of Sub-clause (b) below.** (b) ~~Except as otherwise provided in article 19.(a),~~ Company shall assume all responsibility for **all other pollution and contamination** (including **cleaning,** control and removal of the pollutant involved) and shall protect, defend and save the Contractor harmless from and against all claims, demands, and causes of action of every kind and character arising from all pollution or contamination, **which may occur from any cause, save and except pollution or contamination for which the Contractor assumes liability in terms of Sub-clause (a) above** ~~other than that described in sub-clause (a) above, which may occur from gross negligence of Contractor but not limited to, that which may result from fire, blowout, cratering, seepage of any other uncontrolled flow of oils, gas, water or other substances, as well as the use or disposition of oil emulsion, oil base or chemically treated drilling / completion fluids, contaminated cuttings or caving, lost circulation and fish recovery materials and fluids provided however, Contractor's sole liability under this sub-clause is to reimburse Company US Dollars One Million (US$ 1 Million) of cost paid/incurred by Company in control of the pollutant, clean-up costs, or damage to a third party, provided said pollution results from contractor's gross~~		

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
		~~negligence, where after the Company shall indemnify and hold harmless Contractor for amounts in excess~~. (c) In the event a third party commits an act or omission which results in pollution or contamination for which either the Contractor or Company, for whom such party is performing work, is held to be legally liable**,** the responsibility therefore shall be considered as between the Contractor and Company, to be the same as if the party for whom the work was performed and all of the obligations respecting defence indemnity, holding harmless and limitation of responsibility and liability ~~as set forth in (a) and (b) above,~~ shall be specifically applied.~~"~~ ~~(d) All the packing materials/empty drums of Contractor's supplied consumable materials like cement, chemicals, additives, liquids, etc. is the property of Contractor. The storage and disposal of these items as per prevailing pollution control laws is the responsibility of the Contractor.~~		
54.	27.	The Contractor would charge GST on LIH. Such GST would be over and above the LIH value.	LIH would be construed as charges recovered during the provision service and hence would be subject to GST in the same manner as is applicable on services rendered by the contractor under the contract.	Tender Conditions Prevail.
55.	36.0	Please delete this clause: ~~The Contractor shall be liable for the storage, handling, transportation (on land), manifest and disposal through authorised agency of any spent or used chemicals or other~~	This is not relevant to the scope of work, there is no generation of hazardous waste at Bidder's Kakinada facilities. Hence, we request deletion of this clause.	Tender Conditions Prevail.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
		~~hazardous waste generated at its storing facilities in Kakinada.~~		
56.	37.0	Please amend as below: 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. **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 as mentioned above**.	In-line with the clause on limitation of liability under OIL's General Conditions of Contract, we request for the addition at the end which provides for a counter-indemnity.	Tender Conditions Prevail.
57.	38.	In case of import of goods by Service Contractor for the purpose of provision of services, the following clause needs to be added: The Company shall arrange a certificate issued by Senior official authorised by their Board of Directors for concessional imports under notification no. 50/2017-Customs and notification 02/2022 – Customs. In the event of denial of benefit to the contractor provided under notification no. 50/2017-Customs and notification 02/2022 – Customs for reason not attributable to the contractor, contractor shall charge applicable customs duty on import.	The Contractor should be entitled to recover differential duty paid on account of denial of concessions by authorities wherein the fault is not attributable to the Contractor.	Refer Clause 38.1 of SPECIAL CONDITIONS OF CONTRACT (SCC)

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
58.	46.0	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.	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.	Tender Conditions Prevail.
59.	47.0 LIABILITY FOR THE WELL OR RESERVOIR	Please amend as below: Notwithstanding anything else contained herein to the contrary, **in accepting an order to perform any services and/or to furnish any Goods, the Contractor does so with the understanding that they do not guarantee results. Further notwithstanding anything else contained herein to the contrary,** the ~~Company shall indemnify, and hold~~ the Contractor and its Sub-contractors ~~harmless~~ **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	Bidder request the liability for the well or reservoir clause to be amended in accordance with the clause agreed with OIL which forms a part of all wellsite tenders and contracts including: ▪ Tender CDG4876P24 for Hiring of Directional Drilling Services. ▪ Tender GEM/2024/B/4609668 for Hiring of Bundled Services (comprising of Cementing and Mud Engineering Services). ▪ Contract No. 6118193 for hiring of cementing services ▪ Contract No. 6118087 for hiring of wireline services in OALP Block	Tender Conditions Prevail.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
		(iii) damage to, or loss of oil or gas from any pipelines, vessels or storage or production facilities; and/or ~~(iii)~~ **(iv)** Any **loss or damage or** injury or death whatsoever, direct or consequential, **including liability arising from any pollution / contamination and clean-up costs (including control, removal and disposal)** ~~arising from or in any way connected with such sub-surface Operations or in performing or attempting to perform any such Operations.~~ ~~(iv) Provided that such injury, death, loss, damage etc. as stated in (i) to (iii) above is not caused on account of willful misconduct or gross negligence of the Contractor or its personnel or any of its Sub-Contractor or its personnel.~~ **whether caused by their personnel or Goods 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, except only to the**	▪ Tender No. DCG3015S23 for Hiring of Pulsar Services	

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
		extent of any Gross Negligence on the part of Contractor, its sub-Contractor, their employees or equipment and tools, including costs incurred by Company in this respect.		
60.	Data Liability (New Clause)	Please add the following new clause: **Company shall at all times be responsible for the product(s) provided by Company and for providing back up for all and data files. It is clearly understood that Contractor has no liability for loss, damage, or destruction to any Company data, except in the case of intentional misconduct, in which case Contractor's sole liability is limited to reloading the data from the most recent database back-up. In no event shall Contractor ever be liable for reacquiring Company's data.**	We request OIL to please add this clause on Data Liability considering the scope of work. This has been agreed by OIL in several POs/tenders including: ▪ GEM/2024/B/5560778 for Hiring of Consultants, ▪ GEM/2023/B/4362014 for Hiring of Consultancy Services for Basin Modelling Study ▪ GEM/2023/B/4200591 for Hiring of Consultancy Services to carry out G&G Studies pertaining to Offshore Andaman and Nicobar Basin	Tender Conditions Prevail.
61.	Interpretation Liability (New Clause)	Please add the following new clause: **All interpretations using the services, and all recommendations or reservoir descriptions based upon such interpretations, are opinions based on inferences from measurements and empirical relationships and on assumptions, which inferences and assumptions are not infallible, and with respect to which competent specialists may differ. In addition, such interpretations, recommendations and reservoir descriptions may involve Company opinion and judgment. Company has**	We request OIL to please add this clause on Interpretation Liability considering the scope of work. This has been agreed by OIL in several POs/tenders including: ▪ GEM/2024/B/5560778 for Hiring of Consultants,	Tender Conditions Prevail.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
		full responsibility for all interpretations, recommendations and reservoir descriptions. Contractor cannot and does not warrant the accuracy, correctness or completeness of any interpretation, recommendation or reservoir description. Under no circumstances should any interpretation, recommendation or reservoir description be relied upon as the sole basis for any drilling, completion, well treatment, production or other financial decision, or any procedure involving any risk to the safety of any drilling venture, drilling rig or its crew or any other individual. Company has full responsibility for all such decisions and for all decisions concerning other procedures relating to the drilling or production operation.	▪ GEM/2023/B/4362014 for Hiring of Consultancy Services for Basin Modelling Study ▪ GEM/2023/B/4200591 for Hiring of Consultancy Services to carry out G&G Studies pertaining to Offshore Andaman and Nicobar Basin	
62.	IP Infringement (New Clause)	Please add the following new clause: **Contractor shall indemnify and hold the Company harmless from any third party claims arising on account of intellectual property infringement with respect to its services or products except where such infringement is caused due to:** **1. Specific modification or design of Contractor equipment or Services to meet Company's specifications;** **2. Combination of Contractor's equipment or Services in combination of other equipment and/ or services not recommended by Contractor,** **3. Out of unauthorized additions or modifications of Contractor's equipment or services by Company, or**	We propose to include the standard exclusions wherein the Bidder shall not be liable for intellectual property infringement. This standard OIL clause was a part of the contract for multiple tenders and contracts including: ▪ Contract No. 6118193 for hiring of cementing services ▪ Contract No. 6118087 for hiring of wireline services in OALP Block ▪ Tender CDG4876P24 for Hiring of Directional Drilling Services. ▪ Tender GEM/2024/B/4609668 for Hiring of Bundled Services (comprising	Tender Conditions Prevail.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
		4. Company's use of Contractor's equipment or Services that does not correspond to Contractor's published standards or specifications; **in which case, the Company shall indemnify and hold the Contractor harmless.**	of Cementing and Mud Engineering Services). ▪ Tender No. CDG1979P23 for Hiring of Integrated Drilling Services (IDS-1)	
63.	Intellectual Property Ownership (New Clause)	Please add this new clause below: **While providing the goods/services to Company, Contractor may utilize expertise, know-how and other intellectual capital (including intellectual property) and develop additional expertise, know-how and other intellectual capital (including intellectual property) which are the Contractor's exclusive property and which Contractor may freely utilize in providing goods/services for its customers. Except where expressly and specifically indicated in writing and in exchange for appropriate agreed payment, Contractor does not develop any intellectual property for ownership by OIL. Contractor retains sole ownership of any such intellectual capital (including intellectual property) created by Contractor during the course of providing the goods/Services. Contractor grants no title, license or right to OIL to use Contractor Group's intellectual capital (including intellectual property).**	We request OIL to please add the standard clause on Intellectual Property Ownership. This clause was agreed in multiple contracts including: ▪ 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. 6116940 dated 10 May 2022 ▪ Contract No. 6116167 dated 2 May 2022 ▪ Contract No. 6118193 for hiring of cementing services ▪ Contract No. 6118087 for hiring of wireline services in OALP Block	Tender Conditions Prevail.
64.	Import and Export Control (New Clause)	Please add the new clause below: **Both Parties shall strictly comply with, and adhere to, all applicable U.S. and non-U.S. laws and regulations**	We request addition of this clause to ensure compliance to the respective trade control and sanction and to avoid both criminal and civil liability.	Tender Conditions Prevail.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
		pertaining to economic sanctions laws, trade, import and export control. **In the event that at the time when this Contract comes to existence or any moment thereafter, any trade 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.**		
SECTION-III (PART – II) SPECIAL CONDITIONS OF CONTRACT (SCC)				
65.	36.0 HAZARDOUS WASTE	**Please amend as follows:** The ~~Contractor~~ Company shall be liable for the storage, handling, transportation (on land), manifest and disposal through authorised agency of any spent or used chemicals or other hazardous waste generated at its storing facilities in Kakinada.	Reasonable request, as Contractor should not dispose waste generated from operations.	Tender Conditions Prevail.
SECTION-III (PART-III): BID REJECTION CRITERIA (BRC) / BID EVALUATION CRITERIA (BEC)				
66.	2.1 EXPERIENCE	Please revise as follows: The bidder shall have experience of successfully completing minimum 02 (two) nos. of Hydro-Fracturing	Bidder requests this change to allow the bidder to participate in this tender. This change will increase the number of	Please refer amended BEC.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
		(HF) jobs for Offshore oil/gas wells through Offshore Rig / Vessel during the last ~~**07 (Seven)**~~ **15 (Fifteen)** years reckoned from the original bid closing date and 01 (one) of which shall qualify minimum ~~**02 (two)**~~ **01 (one)** of the following criteria: • HF completed in Offshore oil / gas well(s) with minimum Water Depth of 300 m. • HF completed in Offshore oil / gas well(s) with Measured Well depth of 4500 m or deeper (14,763 ft or deeper); Depth to be measured from MSL (Mean Sea Level) for offshore wells. • Job completed in Offshore oil / gas well(s) with Surface Fracturing pressure of 9000 psi or more."	participants for the tender and ensure that Company receives commercially competitive bids.	
PART-IV: SCHEDULE OF RATES (SOR)				
67.		COMPANY shall within **5** ~~30~~ days of receipt of the invoice notify the CONTRACTOR of any item under dispute, specifying the reasons thereof, in which event, payment of the disputed amount may be withheld until settlement of the dispute, but payment shall be made of any undisputed portion on or before the due date. This will not prejudice the COMPANY's right to question the validity of the payment at a later date as envisaged in clause no. 27.4 above.		Tender Conditions Prevail.
68.	2.6 Charges for Frac competent	(c) Post HF job completion, the packer is unset and retrieved from the hole. However, in the event of failure to retrieve the installed packer, only 50% of the quoted	Bidder requests company to make changes as suggested in Bold. Also Add below point.	Packer will be provided by OIL through DST Service provider. Please refer amended SoW.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
	well completion services	charge per job is payable. **100% quoted charges will be paid in the event non related to Bidder.**	In the event of failure retrieving the installed packer which is non-related to bidder, LIH will be paid as per the clause.	
GENERAL TERMS AND CONDITIONS ON GEM 4.0 (VERSION 1.24) DT 5TH MAY 2025				
69.	GTC, 3.A xi	Sellers shall offer minimum discount of 10% on the Maximum Retail Price (MRP) mandatorily (unless otherwise specified for offering their products on GeM). Sellers are free to offer higher discounts. The Seller must offer its best possible lowest price on GeM and undertake that it would not sell or offer to sell the same product outside GeM in comparable quantity on similar terms and conditions at a price equal to or lower than Offer Price on GeM. In case any such infringement by Seller is noticed, the Seller shall be liable to be removed / debarred from the GeM.	We request OIL to kindly clarify the applicability of this provision.	Clarified.
70.	GTC, 3.A xii	By offering their product on GeM, the Seller agrees for sharing price details of the offered Goods / Service by GeM authorities with other Government agencies including Department of Excise & Customs, Income tax, GST etc.	We request OIL to kindly clarify the applicability of this provision.	Clarified.
71.	GTC, 3.A xiii	Sellers shall ensure uploading of their product / service in the correct category in all respects. Any offering of wrong and misleading product(s) or service(s) in any of the category will be removed by GeM from the portal when noticed without making any reference to the seller(s). The seller(s) will also be liable for any other Administrative action as deemed fit by GeM for uploading wrong product(s) or service(s) in any category.	We request OIL to kindly clarify the applicability of this provision.	Clarified.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
		If any such infringement made by Seller leads to placement of a contract by any Buyer for such inappropriately offered product(s) / service(s) by the Seller, such contract shall be treated as null and void. No claim whatsoever against such contract shall be admissible and entertained.		
72.	Clause 12. Payment Authority and Payment Terms of GTC on GeM	Bidder would kindly like to clarify that there is a discrepancy between the payment terms mentioned in clause 27.0 REMUNERATION AND TERMS OF PAYMENT of GENERAL CONDITIONS OF CONTRACT (GCC), and clause 12. Payment Authority and Payment Terms of General Terms and Conditions on GeM, and kindly requests Company to align to the GeM payment terms of 10 days. This comes in line with the recent trend in other national oil companies of India like ONGC, that has agreed to follow the GeM terms and conditions whenever discrepancies were highlighted.	We request OIL to kindly clarify the applicability of this provision.	Clarified.
73.	Clause 13. Terms of Delivery	Bidder would like to clarify in light of clause 13. Terms of Delivery of General Terms and Conditions on GeM 4.0 (Version 1.24) that Title and Risk for Goods should pass to Company once transferred to Company supply vessel.	For clarity	Clarified.
74.	Clause 15. Extension of Delivery Period and Liquidated Damages	Bidder is kindly requesting to align the Liquidated Damages for default in timely mobilisation to the amounts mentioned in General Terms and Conditions on GeM 4.0 (Version 1.24), respectively 0.5% of Contract Value per week of delay, with an overall maximum of 5% of Contract Value.	We request OIL to kindly align to the GeM provisions.	Clarified.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
LIST OF PROFORMAS, EXHIBITS, APPENDICES, ETC FOR THE TENDER				
75.	SCHEDULE 2 Installation of Modular Stimulation Package on Vessel	Please amend as follows: SCHEDULE 2 Installation of Modular Stimulation Package on Vessel 2.1 (a) Installation and Dismantling of Contractor's Modular Stimulation Package on OIL's Vessel: [..] Bidder needs to complete the mobilization of equipment <u>within 90 days</u>, wet test at onshore <u>within 60 days</u>, installation and wet test at offshore within ~~80~~ <u>an overall 150</u> days from the date of mobilization notice. Bidder shall complete the dismantling of equipment from the vessel within ~~03~~ <u>60</u> days from the date of de-mobilization notice.	Based on a detailed assessment of project requirements and external factors, we kindy request Company to accept our proposed extension to ensure a successful and risk-mitigated mobilisation phase.	Please refer to the amended SoW.
76.	SCHEDULE-6 6.1MATERIAL, SUPPLIES, EQUIPMENTS, SERVICES AND PERSONNEL TO BE FURNISHED BY CONTRACTOR	**Please amend as follows:** 6.1.1 Material, Supplies and Equipment 6.1.1.4 Transportation of material between OIL base and offshore will be provided by the Company at ~~7~~ <u>60</u> days' written notice by the Contractor for such transportation.	Based on a detailed assessment of project requirements and external factors, we kindy request Company to accept our proposed extension to ensure a successful and risk-mitigated mobilisation phase.	Please refer to the amended SoW. As the job requirement is of immediate nature, bidder to mobilise within the timeframe mentioned in amended SoW / SCC for all equipment, Tools & Tackles.
77.	SCHEDULE-6 6.1MATERIAL, SUPPLIES, EQUIPMENTS,	**Please amend as follows:** 6.1.1 Material, Supplies and Equipment	Bidder is kindly requesting Company to remove the 100% redundancy of critical equipment requirement. This is justified mainly by the nature of offshore operations	Please refer to the amendment.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
	SERVICES AND PERSONNEL TO BE FURNISHED BY CONTRACTOR	6.1.1.5 Contractor will keep ~~100% redundancy of~~ critical equipment as per Scope of Work requirements. The material, consumables and equipment to be supplied by the Contractor will be in good working condition and the Contractor will be solely responsible for such material, consumables and equipment. The Company reserves the right to accept or reject any material, removal from the work site of any material & consumables found defective at the Contractor's cost. Any downtime on this account will be at the Contractor's cost	and work space constraints on Vessels. Therefore, we are requesting to limit the requirement to the technical specifications mentioned in the Scope of Work.	
78.	SCHEDULE-7 7.3.3.2	**Please amend as follows:** ~~7.3.3.2 A pro-rata penalty @ 25% of OCDR Charge of the respective services of shut down shall be imposed & deducted from monthly invoices of the contractor in case of non-availability of the services, manpower, tools, equipment resulting into shut down of Well operations and/or rig and or other services. This deduction shall be in addition to the zero rate for the duration of that particular service for which the rig has faced shut down of the operations.~~	Bidder is kindly requesting to remove the penalty of cause 7.3.3.2 in its entirety, as bidder would already be on zero rate in case of breakdown, since neither day rate nor operating rate are paid in this scenario. Therefore, we find it reasonable to remove the 25% of OCDR Charge penalty, to avoid double dipping.	Tender Conditions prevail.
79.	SCHEDULE-7 7.3.3.3	7.3.3.3 In respect of any shortfall in regular personnel and base support personnel as specified in contract, day rate shall be reduced @1.5% of day rate of ongoing operation per person for the period such short fall exists. In case due to above shortfall operational performance is affected, cost calculated as above or as per breakdown clause 7.3.3.3 whichever is higher would apply.	Bidder would like to clarify whether the @1.5% of day rate of ongoing operations per period reduction of clause 7.3.3.3. of SCHEDULE-7 // SECTION-III (PART – II) SPECIAL CONDITIONS OF CONTRACT (SCC) refers to reducing solely the corresponding line item 9. Personnel Charges for Stimulation/frac Services and 10. Personnel	Bidder's understanding is correct.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
			Charges for CTU-FPU Services of Proforma Price Bid Forma.	
80.	S CHEDULE-7 7.2.2. (c) Individual Standby Day Rate (ISDR)	**Please amend as follows:** OIL will pay the contractor a standby rate i.e. non-operating rate payable from the time of first mobilization till completion of the job at location, but not during breakdown period or when operating day rates apply. Standby rate is not applicable on the fitment / dismantling days when equipment start mounting / dismantling on the vessel for vessel based fracturing as lump sum fitment charges are being paid. ~~In case standby day rates apply for part of a day, payment will be on pro-rata basis rounded off to the nearest hour.~~	Bidder is kindly asking Company to remove proration of Individual Standby Day Rate (ISDR) to the nearest hour.	Tender Conditions prevail.
81.	Attachment III A. The Stimulation Crew / B. The CTU Crew	**Please amend as follows:** Attachment III A. The Stimulation Crew Base Manager Engineering degree with 5 years of experience in management of stimulation ~~vessel/ barge~~ with documentary proof of Hydrofracturing and Acidization operations ~~under Offshore well conditions~~. Stimulation Engineer Engineering degree with minimum ~~5~~ 2 years of experience in co-ordination of stimulation operations and competent to carry out the assigned jobs safely and successfully.	Bidder is kindly requesting to adjust the experience requirement as per proposed wordings.	Please refer to amended SoW.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
		Should have minimum 2 years experience with documentary proof of Hydro-fracturing and Acidization operations ~~under Offshore well conditions~~. Stimulation Supervisor 3 years of experience as Stimulation Supervisor in last 5 years ~~on Stimulation vessel/ barge.~~ Should have minimum 2 years of experience with documentary proof of Hydro-fracturing and Acidization operations ~~under Offshore well conditions~~. Equipment Operator ~~3~~ 2 years of experience as stimulation operator in last 5 years ~~on Stimulation vessel/ barge~~. Should have experience with documentary proof of Hydro-fracturing and Acidization operations ~~under Offshore well conditions~~. Blender Operator ~~3~~ 2 years of experience as stimulation operator in last 5 years ~~on Stimulation vessel/ barge~~ Data Acquisition Specialist 2 years of experience as Data Acquisition Specialist in last 4 years. Should have experience with documentary proof of Hydro-fracturing operations ~~under Offshore well conditions~~. Laboratory Technician		

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
		2 years of experience as Laboratory Technician in last 4 years. Should have experience with documentary proof of Hydro-fracturing operations ~~under Offshore well conditions~~. Stim Mechanic 2 years of experience as Mechanic cum stimulation operator in last 4 years with documentary proof of Hydro-fracturing operations ~~under Offshore well conditions~~. Electronic Technician Responsible for maintenance of electrical & electronic instruments on the vessel 2 years of experience as Electronic cum stimulation operator in last 4 years with documentary proof of Hydrofracturing operations ~~under Offshore well conditions~~. Helper General Assistance 01 year experience as helper in offshore with documentary proof of Hydro-fracturing operations ~~under Offshore well conditions~~. B. The CTU Crew 1.2 The Crew Personnel – Functions & Experience Coil Tubing Services Supervisor		

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	OIL's Reply
		Experienced (min 3 years) and competent to carry out the assigned jobs safely and successfully. Should have experience with documentary proof of CTU operations in offshore wells above 10000 psi. Very good knowledge of all aspects of operation Coiled Tubing Engineer Engineering Support during Operation CT Engineer should have at least ~~5~~ 2 years as a Coil Tubing Engineer with ~~at least 2 Years of Offshore Field Experience and~~ at least have attended 1~~0~~ successful offshore job~~s~~ Coil Tubing Operator Experience (min 3 years) in operation of CTU ~~for Offshore wells~~ Coil Tubing Operator Assistant Experience (min 2 years) in operation of CTU ~~for Offshore wells~~		

Name of the bidder: XXXXXXXXXX

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

Item No.	Article	Tender Clause	Exception	OIL Response
			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. ***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 XXXXX 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 XXXXX, as well as a cap in time. c) To align with the deleted text.*	
2.	**Art. 18**	**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.	**18.0 CONSEQUENTIAL DAMAGE** Please amend as follows ~~Except as otherwise expressly provided~~*Notwithstanding anything to the contrary contained in the Contract or elsewhere*, neither party shall be liable to the other for *and the Contractor shall indemnify the Company from 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* indirect or consequential damages resulting from or arising out of the contract, including but without limitation, to loss or profit or *loss of production loss of revenue, loss of business and/or* business interruptions*, Company standby time; rig time; vessel, facility, or equipment downtime, whether any of the foregoing are*	No change

Item No.	Article	Tender Clause	Exception	OIL Response
			direct or indirect, 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. **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 XXXXX. 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 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**	**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.	**19.0 RISK PURCHASE** Please amend as follows In the event, CONTRACTOR's failure to provide the services *for reasons solely attributable to the CONTRACTOR,* 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~~*; 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*	No change

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			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. 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~~. **Comment:** XXXXX 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 XXXXX 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.	
4.	**Art. 30**	**30.0 TIMELY MOBILISATION AND LIQUIDATED DAMAGES:** a) Time is the essence of this Contract. If the CONTRACTOR fails to mobilize and deploy the required manpower/equipment and/or fails to commence the operation within the period specified as specified under mobilization clause under SCC, OIL shall have, without prejudice to any other right or remedy in law or contract including sub clause (b) below, the right to terminate the contract. b) If the contractor is unable to mobilize/deploy and commence the operation within the period specified in sub clause (a) above, it may request OIL for extension of the time with unconditionally agreeing for levy and recovery of LD.	**30.0 LIQUIDATED DAMAGE FOR DEFAULT IN TIMELY MOBILISATION** Please amend as follows a) ~~Time is the essence of this Contract.~~ ~~—~~b) If the contractor is unable to mobilize/deploy and commence the operation within the period specified in sub clause (a) above, *due to reasons solely attributable to the Contractor,* , 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	No change

Item No.	Article	Tender Clause	Exception	OIL Response
		Upon receipt of such a request, OIL may at its discretion, extend the period of mobilization and shall recover from the CONTRACTOR, as an ascertained and agreed Liquidated Damages, a sum equivalent to @ 0.5% of contract value including mobilization cost, per week or part thereof of delay subject to maximum of 7.5% of the Contract Price.	~~contract~~ value including mobilization cost, per week or part thereof of delay subject to maximum of 7.5% of the Contract Price. Please add the following :- *Company agrees that payment of liquidated damages by Contractor shall constitute Contractor's sole liability and Company's sole remedy for such delay/default.* *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.* ***Comment:*** *XXXXX 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.*	
5.	**Art. 32**	**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).	**32.0 SET-OFF :** Please amend as follows:- 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	No change

Item No.	Article	Tender Clause	Exception	OIL Response
			contract ~~or under any other contract~~ made by the CONTRACTOR with OIL (or such other person or persons contracting through OIL). ***Comment:*** *XXXXX takes the position that OIL should not be able to set-off any and all monies which may be owed by XXXXX to OIL, particularly those which are outside the scope of the Contract. They could be disputed by XXXXX 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.*	
6.	**GCC-38**	**POLLUTION AND CONTAMINATION:** The CONTRACTOR shall be liable for all surface and sub-surface pollution to the extent caused by CONTRACTOR and resulting from CONTRACTOR's operation/service or spillage or dumping of solvents/additive substances or pollutants, which the CONTRACTOR brings to the Site for use in connection with Work to be performed under this Contract. Notwithstanding anything to the contrary contained herein, it is agreed that except on the ground of willful misconduct or criminal misconduct, COMPANY shall release, indemnify and hold CONTRACTOR and its sub-CONTRACTORs harmless from any and all claims, judgments, losses, expenses and any costs related thereto (including but not limited to Court costs and "Attorney's fees") for: a) Damage to or loss of any reservoir or producing formation; and/ or b) Damage to or loss of any well; and/or	**Contractor proposes Company standard clause on Liability for Well which covers pollution.** **Please amend as follows:-** ~~**38.0 POLLUTION AND CONTAMINATION:**~~ ~~The Contractor shall be liable for all surface and sub-surface pollution to the extent caused by Contractor and resulting from Contractor's operation/service or spillage or dumping of solvents/additive substances or pollutants, which the Contractor brings to the Site for use in connection with Work to be performed under this Contract.~~ ~~Notwithstanding anything to the contrary contained herein, it is agreed that except on the ground of willful misconduct or criminal misconduct, Company shall release, indemnify and hold Contractor and its Sub-contractors harmless from any and all claims, judgments, losses, expenses and~~	No change

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		c) Any other subsurface damage or loss; and/ or d) Any property damage or loss or personal injury or death arising out of or in connection with a blowout, fire explosion and loss of well control regardless of cause.	~~any costs related thereto (including but not limited to Court costs and "Attorney's fees") for:~~ ~~a) Damage to or loss of any reservoir or producing formation; and/ or~~ ~~b) Damage to or loss of any well; and/ or~~ ~~c) Any other subsurface damage or loss; and/ or~~ ~~d) Any property damage or loss or personal injury or death arising out of or in connection with a blowout, fire explosion and loss of well control regardless of cause.~~ **LIABILITY FOR THE WELL**: 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: (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 (iii) 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;	

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			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,	
7.	**44.5**	**Termination for Unsatisfactory Performance**: If the COMPANY considers that, the performance of the CONTRACTOR is unsatisfactory, or not as per the provision of the Contract, the COMPANY shall notify the CONTRACTOR in writing and specify in details the cause of dissatisfaction. The COMPANY shall have the option to terminate the Contract by giving 15 days notice in writing to the CONTRACTOR, if CONTRACTOR fails to comply with the requisitions contained in the said written notice issued by the COMPANY. In the event CONTRACTOR rectifies its non-performance to the satisfaction of the COMPANY, the option of termination may not be exercised by the COMPANY. If however CONTRACTOR repeats non-performance subsequently, COMPANY shall exercise the option to terminate contract by giving 07 days notice. Such CONTRACTOR shall be put on holiday as per the Banning Policy of OIL [available at www.oil-india.com].	**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~~ *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*, the COMPANY shall notify the CONTRACTOR in writing and specify in details the *nature of the material failure* ~~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 commence ~~comply~~ with the requisitions contained in the said written notice issued by the COMPANY. In the event CONTRACTOR commences rectification of ~~rectifies~~ its non-performance to the satisfaction of the COMPANY, the option of	No change

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			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]. *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.* ***Comment:*** *XXXXX 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. XXXXX will perform the work as provided for in the Contract. Furthermore, XXXXX should be given a chance to remedy its failure. In the event of a termination, XXXXX will suffer substantial losses and therefore, termination should be OIL's sole remedy.*	
8.	**44.9**	Notwithstanding any provisions herein to the contrary, the Contract may be terminated at any time by the COMPANY on giving 30 (thirty) days written notice to the CONTRACTOR due to any other reason not covered under the above Article from 44.1 to 44.8 and in the event of such termination the COMPANY shall not be liable to pay any cost or damage to the CONTRACTOR except for payment of services as per the Contract upto the date of termination.	**Termination (for convenience):** Please amend the existing Article as follows: 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*, 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*	No change

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			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. ***Comment:*** *XXXXX should be paid for work already performed. In addition, XXXXX may have incurred non-recoverable costs prior to termination and it is reasonable that such costs should be borne by OIL.*	
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 shall continue to be bound by the provisions of this Contract that reasonably require some action or forbearance after such termination. Upon termination of this Contract, CONTRACTOR shall return to COMPANY all of COMPANY's properties, which are at the time in CONTRACTOR's possession. In the event of termination of contract, COMPANY will issue Notice of termination of the contract with date or event after which the contract will be terminated. The contract shall then stand terminated and the CONTRACTOR shall demobilize their personnel & materials. Demobilization charges shall not be payable by COMPANY in case of Article from 44.4 to 44.7.	**Consequences of Termination:** Please amend para 1 of the existing Article as follows: "In all cases of termination herein set forth, *except for termination as provided under clauses 44.3 and 44.9,* 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." ***Comment:*** *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*	No change
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-18**	18.0 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	18.0 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	Tender conditions prevail.

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		any oil or gas there from), or any surface loss or damage or injury or death arising out of a sub-surface damage; and/or ii) Blowout, fire, explosion or any other uncontrolled well condition; and/or iii) Damage to, or loss of oil or gas from any pipelines, vessels or storage or production facilities; and/or iv) Any loss or damage or injury or death whatsoever, direct or consequential, including liability arising from pollution originating below the surface and any clean up costs, whether caused by their personnel or Equipment or otherwise arising from or in any way connected with such sub-surface Operations or in performing or attempting to perform any such Operations; v) Third party liabilities arising out of the above irrespective of the cause and the Company agrees that it shall absolve the Contractor and protect, defend, indemnify and hold the Contractor and its sub- contractors, its agents and its parents, subsidiaries and affiliates, its other contractors and/or its and their directors, officers, employees, consultants and invitees harmless from and against all claims, suits, demands and causes of actions, liabilities, expenses, costs and judgments of every kind and character (including without limitation for the loss or damage of any property, or the injury or death of any person), without limit, in favour of any person, party or entity, resulting from any of the above, including costs incurred by Company in this respect. – Provided that such loss, damage etc. as stated in (i) to (iv) above is not caused on account of wilful misconduct or gross negligence of the Contractor or its personnel/ subcontractors of any tier/agents/invitees/ consultants or parties associated with the contractor.	surface loss or damage or injury or death arising out of a sub-surface damage; and/or ii) Blowout, fire, explosion or any other uncontrolled well condition; and/or iii) Damage to, or loss of oil or gas from any pipelines, vessels or storage or production facilities; and/or iv) Any loss or damage or injury or death whatsoever, direct or consequential, including liability arising from pollution originating below the surface and any clean up costs, whether caused by their personnel or Equipment or otherwise arising from or in any way connected with such sub-surface Operations or in performing or attempting to perform any such Operations; v) Third party liabilities arising out of the above irrespective of the cause and the Company agrees that it shall absolve the Contractor and protect, defend, indemnify and hold the Contractor and its sub- contractors, its agents and its parents, subsidiaries and affiliates, its other contractors and/or its and their directors, officers, employees, consultants and invitees harmless from and against all claims, suits, demands and causes of actions, liabilities, expenses, costs and judgments of every kind and character (including without limitation for the loss or damage of any property, or the injury or death of any person), without limit, in favour of any person, party or entity, resulting from any of the above, including costs incurred by Company in this respect. ~~-Provided that such loss, damage etc. as stated in (i) to (iv) above is not caused on account of wilful misconduct or gross negligence of the Contractor or its personnel/subcontractors of any tier/agents/invitees/consultants or parties associated with the contractor.~~ ***Comment: ONGC 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*	

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			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.***	

Name of Bidder: XXXXXXXXXX

Sr.#	Section	Clause	Query	Response
SCOPE OF WORK;				
Attachment-II BROAD SPECIFICATIONS OF MODULAR STIMULATION PACKAGE (HF/ACID) AND CTU - FPU EQUIPMENT AND SERVICES A. HYDRAULIC FRACTRING SPREAD LIST FOR STIMULATION				
1.	2.6 Charges for frac competent well completion services	Post HF job completion, the packer is unset and retrieved from the hole. However, in the event of failure to retrieve the installed packer, only 50% of the quoted charge per job is payable.	Please delete 'However, in the event of failure to retrieve the installed packer, only 50% of the quoted charge per job is payable.' Retrieval issues can be due to various reasons including downhole conditions; hence 50% payment not accepted until and unless it is proven that retrieval issues are due to XXXXX tool failure or personnel competency.	Packer will be provided by OIL from DST service provider. Please refer to the amended SoW.
2.	Hydraulic Fracturing (HF) Services; Page 60	Retrievable packers of 10000 psi differential pressure rating with required tools/accessories (Seal bore extension, LTSA, Redress Kit etc.,) for its installation and retrieval has to be supplied by the contractor.	1. Please accept Permanent Retrievable packers. These packers are permanent seal bore packer (Signature Packer); however same can be milled and retrieved in one trip. These types of packers have been requested by OIL India against CONTRACT NO. 6118742/CDG3605P24/PSS/23 For HIRING THE SERVICES OF HYDRO-FRACTURING IN THE EXISTING WELLS OF GROUP-A OF OIL INDIA LIMITED LOCATED IN OIL FIELDS OF ASSAM INCLUDING SUPPLY OF CHEMICALS AND CONSUMABLES	Packer will be provided by OIL from DST service provider. Please refer to the amended SoW.
3.	Hydraulic Fracturing (HF) Services; Page 60	Retrievable packers of 10000 psi differential pressure rating with required tools/accessories (Seal bore extension, LTSA, Redress Kit etc.,) for its installation and retrieval has to be supplied by the contractor.	What should be the Length of Seal Bore Extension and Locator Tubing Seal Assembly?	Packer will be provided by OIL from DST service provider. Please refer to the amended SoW.
4.	Hydraulic Fracturing (HF) Services; Page 60	Retrievable packers of 10000 psi differential pressure rating with required tools/accessories (Seal bore extension, LTSA, Redress Kit etc.,) for its installation and retrieval has to be supplied by the contractor.	How many seals are needed in LTSA?	Packer will be provided by OIL from DST service provider.

				Please refer to the amended SoW.
5. 6.	Hydraulic Fracturing (HF) Services; Page 60	Retrievable packers of 10000 psi differential pressure rating with required tools/accessories (Seal bore extension, LTSA, Redress Kit etc.,) for its installation and retrieval has to be supplied by the contractor.	How many sets of Packer and accessories to be provided?	Packer will be provided by OIL from DST service provider. Please refer to the amended SoW.
7.	Hydraulic Fracturing (HF) Services; Page 60	Retrievable packers of 10000 psi differential pressure rating with required tools/accessories (Seal bore extension, LTSA, Redress Kit etc.,) for its installation and retrieval has to be supplied by the contractor.	We request OIL India to purchase packer and accessories on direct sale basis	Packer will be provided by OIL from DST service provider. Please refer to the amended SoW.
8.	Hydraulic Fracturing (HF) Services; Page 60	Retrievable packers of 10000 psi differential pressure rating with required tools/accessories (Seal bore extension, LTSA, Redress Kit etc.,) for its installation and retrieval has to be supplied by the contractor.	Lead time for manufacturing of Packer and accessories will be 7 months from award of PO. Please accept.	Packer will be provided by OIL from DST service provider. Please refer to the amended SoW.
9.	2.2.1 Typical Frac String Diagram:, Page 92	For Frac string, Bidder may use the existing 4 ½", PH 6, 17 lb/ ft tubings (used) and 3 ½", PH6, 12.95 lb/ft tubings (used) that are available through OIL's Bundle service provider.	What is the Grade of the tubing string?	4 ½", LT6, 17 PPF, C90 3 ½", LT6, 12.95 PPF, L80
10. Sr. #	**Section**	**Clause**	**Query**	**Response**
11.	Section - I Part II Section - I Part II GENERAL CONDITIONS OF CONTRACT (GCC)	**27.0 REMUNERATION AND TERMS OF PAYMENT:** 27.5 INVOICES: Mobilization charges will be invoiced only upon completion of mobilization as certified by COMPANY representative and CONTRACTOR is ready at site for starting the services/ operation. Payment of mobilization charges shall be made within 45 days following the date of receipt of undisputed invoices by COMPANY.	Bidder request company to revise the clause as below: Payment of mobilization charges shall be made within ~~45~~ 30 days following the date of receipt of undisputed invoices by COMPANY.	Tender conditions prevail.

12.		**27.0 REMUNERATION AND TERMS OF PAYMENT:** 27.11 Payment of Final demobilization charges shall be made if applicable within 45 days on receipt of invoice by COMPANY accompanied by the following documents from the CONTRACTOR	Bidder request company to revise the clause as below: 27.11 Payment of Final demobilization charges shall be made if applicable within ~~45~~ 30 days on receipt of invoice by COMPANY accompanied by the following documents from the CONTRACTOR	Tender conditions prevail.
13.	SECTION-III (PART – II) SPECIAL CONDITIONS OF CONTRACT (SCC)	**2.0 EFFECTIVE DATE, DATE OF COMMENCEMENT OF THE CONTRACT, MOBILISATION TIME AND DURATION OF CONTRACT:** 2.3 MOBILISATION TIME AND DEMOBILIZATION Phase-II, HF Fleet including bare minimum consumables for 3 jobs Kakinada, Company's shore base- Within 60 days from date of issuance of Mob Notice Phase-II, CTU-FPU services. Within 80 days from date of issuance of Mob Notice 2.3.2 PHASE II: MOBILIZATION FOR EXECUTION OF HF JOB IN 02 NOS. WELLS The contractor shall complete the sea-fastening of HF equipment within 15 days from the date of OIL's handover of Vessel at Port	Bidder request company to revise the mobilization days as below: 2.3 MOBILISATION TIME AND DEMOBILIZATION Phase-II, HF Fleet including bare minimum consumables for 3 jobs Kakinada, Company's shore base- Within ~~60~~ 120 days from date of issuance of Mob Notice Phase-II, CTU-FPU services. Within ~~80~~ 90 days from date of issuance of Mob Notice 2.3.2 PHASE II: MOBILIZATION FOR EXECUTION OF HF JOB IN 02 NOS. WELLS The contractor shall complete the sea-fastening of HF equipment within ~~15~~ 30 days from the date of OIL's handover of Vessel at Port	Phase I is deleted. Please refer to the amended SoW & SCC. As the job requirement is of immediate nature, bidder to mobilise within the timeframe mentioned in amended Scope of work for all equipment, Tools & Tackles.
14.		**7.0 SERVICE BREAK DOWN & PENALTIES:** 7.1 In case the Contractor during the Main Fracturing operation falls short of at least 75% of the planned quantity of the proppant agreed to be pumped as per job design, Company will deduct an amount equal to 01 (one) day Stimulation/frac Services OCDR for not meeting technical parameters for the job. This shall be Company's only remedy and the Contractor's sole liability for falling short of such agreed job parameters.	Bidder requests below amendment: **7.0 SERVICE BREAK DOWN & PENALTIES:** 7.1 In case the Contractor during the Main Fracturing operation falls short of at least ~~75%~~ 50% of the planned quantity of the proppant agreed to be pumped as per job design, due to any issues related to contractor (equipment, or personnel issues) Company will deduct an amount equal to 01 (one) day Stimulation/frac Services OCDR for not meeting technical parameters for the job. This shall be Company's only remedy and the Contractor's sole liability for falling short of such agreed job parameters.	Please refer to the amended SoW & SCC.

15.		7.3 A pro-rata penalty @ 25% of OCDR Charge of the respective services of shut down shall be imposed & deducted from monthly invoices of the contractor in case of non-availability of the services, manpower, tools, equipment resulting into shut down of Well operations and/or rig and or other services	Bidder requests to delete this clause.	Tender conditions prevail.
16.		**36.0 HAZARDOUS WASTE:** The Contractor shall be liable for the storage, handling, transportation (on land), manifest and disposal through authorised agency of any spent or used chemicals or other hazardous waste generated at its storing facilities in Kakinada	Bidder request company to include storage, handling, transportation (on land), manifest and disposal under company's scope.	Tender conditions prevail.
17.		**39.0 SUSPENSION AT COMPANY'S REQUEST:** The Company shall have the right, without cause, at any time to require the Contractor to suspend the work under this Contract on giving notice to the Contractor specifying the estimated duration of the suspension period. The work shall resume at the end of suspension period or such other date as the Company may specify to the Contractor by notice in writing. During the suspension period, Contractor shall be paid 'Suspension Rate (SR) for Hydraulic Fracturing Services @ 75 % of ISDR and Personnel Day rate, as applicable, as per Schedule of Rates. The Company shall notify the Contractor, whether it requires the Contractor to store the Equipment at the Drilling Unit/OSV or at Shore. The total suspension period during the Contract duration shall not exceed a maximum 2 (two) months. The Company, at its discretion, may add back such suspension period to the original Contract duration at the same rates, terms and conditions by giving 30 (thirty) days' notice to the Contractor before the expiry of the Contract. However, beyond the said period of 2 (two) months, the suspension period may be extended by the parties at mutually agreed rates, terms and conditions.	Bidder request company to pay 100% ISDR and 100% personnel day rate for the suspension period.	Tender conditions prevail.

18.		**44.0 REAL TIME DATA TRANSMISSION:** SRT, MF, Data Frac & Main Frac data to be transmitted in Real-Time from Drilling Unit/OSV to Operator's onshore base, via latest version of industry standard WITS / WITSML data exchange format using contractor provided VSAT at Drilling Unit.	Bidder requests company to provide a good & stable internet connection in offshore to transmit data real time to onshore base.	Company will provide internet service.
19.	Annexure-A 2.0 TECHNICAL EVALUATION CRITERIA:	**2.1 EXPERIENCE** **a**) The bidder shall have experience of successfully completing minimum 02 (two) nos. of Hydro-Fracturing (HF) jobs for Offshore oil/gas wells through Offshore Rig / Vessel during the last 07 (Seven) years reckoned from the original bid closing date and 01 (one) of which shall qualify minimum 02 (two) of the following criteria: • HF completed in Offshore oil / gas well(s) with minimum Water Depth of 300 m. • HF completed in Offshore oil / gas well(s) with Measured Well depth of 4500 m or deeper (14,763 ft or deeper); Depth to be measured from MSL (Mean Sea Level) for offshore wells. • Job completed in Offshore oil / gas well(s) with Surface Fracturing pressure of 9000 psi or more. AND b) The bidder shall have experience of successfully completing minimum 02 (two) nos. of Well Clean Out / Flow Back jobs in offshore oil/gas wells using CTU during the last 07 (Seven) years reckoned from the original bid closing date.	**Bidder requests amendment as below:** **2.1 EXPERIENCE** **a**) The bidder shall have experience of successfully completing minimum 02 (two) nos. of Hydro-Fracturing (HF) jobs for Offshore oil/gas wells through Offshore Rig / Vessel during the last 07 (Seven) years reckoned from the original bid closing date and 01 (one) of which shall qualify minimum 02 (two) of the following criteria: ~~• HF completed in Offshore oil / gas well(s) with minimum Water Depth of 300 m.~~ ~~• HF completed in Offshore oil / gas well(s) with Measured Well depth of 4500 m or deeper (14,763 ft or deeper); Depth to be measured from MSL (Mean Sea Level) for offshore wells.~~ ~~• Job completed in Offshore oil / gas well(s) with Surface Fracturing pressure of 9000 psi or more.~~ AND b) The bidder shall have experience of successfully completing minimum 02 (two) nos. of Well Clean Out / Flow Back jobs in offshore oil/gas wells using CTU during the last 07 (Seven) years reckoned from the original bid closing date.	Please refer to the amended BEC.
20.	PART-IV SCHEDULE OF RATES	**2.7 Individual Service Day Rate (ISDR) charges of Stimulation/frac and CTU-FPU equipment** From the date of OIL's hand-over of vessel for spotting & sea-fastening of HF equipment till completion of sea-fastening jobs, no ISDR charges shall be paid for the HF equipment. Similarly, ISDR charges shall cease to exist from the date of arrival of the vessel at OIL's shore-	Bidder request company to confirm that "**Sno. 3 & Sno. 16 of Proforma-B Price Bid Format**" will be charged for this clause.	Please refer to the amended SOR & Price bid format.

		base for dismantling of the sea-fastened HF equipment after issuance of demobilization notice.		
21.		**2.10Cost of Other Fracturing Chemicals** The charges for Other Fracturing Chemical shall be quoted as per bbl of fracturing fluid and shall include the cost of all necessary chemicals for preparation of the fracturing fluid. The charges are payable against actual consumption of fracturing fluid.	Bidder request company to include below clause: All excess chemicals shall be charged on consumption basis, If the packing is opened for bag or bbl it will be considered as consumed.	Please refer to the amended SOR & Price bid format.
22.		**2.12Charges for dismantling of the sea fastened stimulation/frac equipment from vessel:** The "Charges for dismantling of the sea fastened stimulation/frac equipment from vessel" shall include all expenses for offloading of the equipment within 03 days from the date of arrival of the vessel at port.	Bidder request company to revise the clause as below: The "Charges for dismantling of the sea fastened stimulation/frac equipment from vessel" shall include all expenses for offloading of the equipment within ~~03~~ 10 days from the date of arrival of the vessel at port.	Please refer to the amended SOR & Price bid format.
23.		**2.14Zero rates, Force Majeure Rates and Penalty** In an event wherein contractor fails to execute the hydro-fracturing operation or CT operations due to any reason attributable to the contractor, Zero rates shall be applicable for delay for those period. In addition to the Zero rates, Breakdown period x Pro rata rate per hour of equivalent ISDR of all equipment related to that particular operation and charges of mobilized personnel shall be recovered/deducted. Force Majeure Day rate shall be 50% of the ISDR Charge	Bidder request company to consider only zero rate & remove the additional penalty. In an event wherein contractor fails to execute the hydro-fracturing operation or CT operations due to any reason attributable to the contractor, Zero rates shall be applicable for delay for those period.~~In addition to the Zero rates, Breakdown period x Pro rata rate per hour of equivalent ISDR of all equipment related to that particular operation and charges of mobilized personnel shall be recovered/deducted.~~ Force Majeure Day rate shall be 50% of the ISDR Charge	Tender conditions prevail.
24.	SOW	Placement of HF equipment	Bidder requests clarification that frac equipment shall be placed on rig or supply vessel during job execution.	HF Equipment to be placed on Supply Vessel.
25.	SOW	Placement of HF-CT equipment	Bidder shall require sufficient space on offshore rig to spot & place the entire HF-CT fleet.	Only the CT-FPU Fleet will be placed on Rig.

26.	SOW	Generic	Bidder requests company to share maximum crane capacity at rig that shall be deployed to load/backload equipment from supply vessel to rig. This shall shall be critical for heavy loads, eg, CT Reel & Frac pumps.	To refer amended SoW.
27.	SOW	Generic	Bidder requests company to share maximum deck loading (MT/ft2) on the rig.	Will be provided to successful bidder.
28.	SOW	**2.2 Charges for sea fastening of stimulation/frac equipment on vessel / Rig:**	Bidder requests company to provide the required fabricator & welders along with required materials through the vessel/rig provider. Bidder can provide supervision for the sea fastening. It may not be possible for bidder to get third party welders/fabricators which are approved by vessel/rig & moreover rig has the required setup generally onboarded as standard practice.	Bidder shall arrange for fabricator & welders along with required materials for Vessel and get approval. Incase of Rig, only welder be provided by Rig. However, bidder shall arrange for required materials.
29.	SOW 2.3	Model - 50 Test Data for all proposed Frac Fluid at 200 deg F, 250 deg F, and 300 Deg F at 100 s-1 shear rate with ramps.	Bidder request clarification on frac fluid stability (how many hours fluid stability is required)	Please refer amended SOW.
30.	SOW 2.3	Standard re-gain permeability test data.	Bidder requires clarification on re-gain permeability test to be done on core, which is to be provided, and test to be done outside India. Price implication will be there, also add a line item in pricing matrix.	Please refer amended SOW.
31.	SOW 2.3	Standard Prop-pant Pack retained permeability test	Bidder requires clarification on re-gain permeability test to be done on core, which is to be provided, and test to be done outside India. Price implication will be there, also add a line item in pricing matrix.	Please refer amended SOW.
32.	Attachment 2 V Miscellaneous	Camera on prop-pant blender hopper and gel hydration mixing unit to be monitored from central control room.	Bidder would like to highlight that existing equipment doesn't have a camera provision, if required it can be installed. Bidder request company to confirm.	Please refer amended SOW.
33.	2.11.2	The contractor should provide a complete list of chemicals required for offshore Wells i.e. for temperature up to 300°F, which, in the opinion of the contractor, may be required for efficient work/service. They should also provide a realistic list of quantity of	Bidder Request company to add line item in pricing matrix for data frac fluid requirement per bbl to conduct data frac job. Bidder will charge on actual consumption basis. Bidder request company to accept this.	Please refer amended SOW.

		material requirement for 3 zones in each of the 2 wells plus optional 1 wells considering 2000 bbls of fracturing fluid as basis for placement of 100 MT of Prop-pant for each object in a well. Payment will be made according to the actual consumption of chemicals and materials as per Price Schedule; consumption will imply the quantity of material pumped into the well. If two zones are fractured together, then it shall be treated as one job		
34.	Table-1	Within 30 days weeks from Issuance of LOA (including additional wells supplied to contractor in case of wells found not suitable)	Bidder request to change 30 days to 45 days in case of extra wells to be studied or well found not suitable.	Please refer amended SOW.
35.	2.1 Schedule 2	After completion of wet test onshore, within 3 days OIL will provide the DP vessel as mentioned above. However, if it fails, standby charges will be paid for the days till the DP vessel arrives at jetty and ready to take equipment for fitment purpose. Once the loading of equipment starts for fitment / installation then only lumpsum fitment charges will be applicable for the entire duration of fitment and successful wet test after fitment. Bidder needs to complete the mobilization of equipment, wet test at onshore, installation and wet test at offshore within 80 days from the date of mobilization notice	Bidder request to company to change the clause as below:- After completion of wet test onshore, within 3 days OIL will provide the DP vessel as mentioned above. However, if it fails, standby charges will be paid for the days till the DP vessel arrives at jetty and ready to take equipment for fitment purpose. Once the loading of equipment starts for fitment / installation then only lumpsum fitment charges will be applicable for the entire duration of fitment and successful wet test after fitment. Bidder needs to complete the mobilization of equipment, wet test at onshore, installation and wet test at offshore within ~~80 days~~ 120 Days from the date of mobilization notice	Please refer to the amended SOW. As the job requirement is of immediate nature, bidder to mobilise within the timeframe mentioned in amended Scope of work for all equipment, Tools & Tackles.
36.	2.1 schedule 2	Bidder shall complete the dismantling of equipment from the vessel within 03 days from the date of de-mobilization notice.	Bidder request to change to complete the dismantling of equipment from the vessel within 10 days from the date of de-mobilization notice.	5 days is acceptable. Please refer to the amendment.
37.	2.3	Minimum 50 Meters length Flexible Rubber hoses (2”/4”/3”-10000 Psi working Pressure) capable of handling stimulation chemicals for pumping purposes (other than coflexip hoses).	Bidder request to elaborate the requirements for flexible rubber hoses other than coflexip hoses.	Please refer to the amendment.
38.	7.1.3	The equipment package should have sufficient Hydraulic Horsepower (not less than 12000 HHP) at a given time for continuous operation of HF jobs.	Bidder request company to clarify requirement of 12000 HHP for pumping under 10000 psi pressure limitation.	Please refer to the amendment.

39.	2.10.3	Provide a comprehensive report of all related treatment data and fracture operations within 3 days from the completion of Operations.	Bidder request to change 3 days to 7 days.	within 3 days from the completion of Operations incase fracking job is in next higher up zone and within 5 days incase next fracturing job is in next well. Please refer to the amendment.
40.	13	Wellhead isolation tools	Bidder request clarification on well head isolation tool requirement.	Not required. Please refer to the amendment.
41.	5.0 Annexure A	The Residual Life of all major equipment offered for Services of Hydrofrac, Acid, FPU, CTU shall be more than 05 (Five) years to be reckoned from the original bid closing date. To this effect, the bidder shall submit undertaking for the following along with the technical bid:	Bidder request to company to change the clause as below: - The Residual Life of all major equipment offered for Services of Hydrofrac, Acid, FPU, CTU shall be more than ~~05 (Five) years~~ 03 (Three) Years to be reckoned from the original bid closing date. To this effect, the bidder shall submit undertaking for the following along with the technical bid:	Tender conditions prevail.
42.	1.2 Attachment III	Stimulation Engineer :- Engineering degree with minimum 5 years of experience in co-ordination of stimulation operations and competent to carry out the assigned jobs safely and successfully. Should have minimum 2 year's experience with documentary proof of Hydro-fracturing and Acidization operations under Offshore well conditions.	Bidder request to company to remove the relevant 2-year experience with documentary proof of Hydro-fracturing and Acidization operations under Offshore well conditions.	Please refer to the amendment.
43.	1.2 Attachment III	Stimulation Supervisor :- 3 years of experience as Stimulation Supervisor in last 5 years on Stimulation Vessel/ barge. Should have minimum 2 years of experience with documentary proof of Hydro-fracturing and Acidization operations under Offshore well conditions	Bidder request to company to remove the relevant 2-year experience with documentary proof of Hydro-fracturing and Acidization operations under Offshore well conditions	Tender conditions prevail.

44.	1.2 Attachment III	Equipment Operator :- 3 years of experience as stimulation operator in last 5 years on Stimulation vessel / barge. Should have experience with documentary proof of Hydro-fracturing and Acidization operations under Offshore well conditions	Bidder request to company to remove the relevant 5-year experience with documentary proof of Hydro-fracturing and Acidization operations under Offshore well conditions	Tender conditions prevail.
45.	1.2 Attachment III	Blender Operator:- 3 years of experience as stimulation operator in last 5 years on Stimulation vessel / barge	Bidder request to company to remove the relevant 5-year experience with documentary proof of Hydro-fracturing and Acidization operations under Offshore well conditions	Tender conditions prevail.
46.	1.2 Attachment III	Data Acquisition Specialist:- 2 years of experience as Data Acquisition Specialist in last 4 years. Should have experience with documentary proof of Hydro-fracturing operations under Offshore well conditions	Bidder request to company to remove the relevant 4-year experience with documentary proof of Hydro-fracturing and Acidization operations under Offshore well conditions	Tender conditions prevail.
47.	1.2 Attachment III	Laboratory Technician:- 2 years of experience as Laboratory Technician in last 4 years. Should have experience with documentary proof of Hydro-fracturing operations under Offshore well conditions	Bidder request to company to remove the relevant 4-year Should have experience with documentary proof of Hydro-fracturing operations under Offshore well conditions	Tender conditions prevail.
48.	1.2 Attachment III	Stim Mechanic:- 2 years of experience as Mechanic cum stimulation operator in last 4 years with documentary proof of Hydrofracturing operations under Offshore well conditions.	Bidder request to company to remove the relevant 4-year Should have experience with documentary proof of Hydro-fracturing operations under Offshore well conditions	Tender conditions prevail.
49.	1.2 Attachment III	Electronic Technician:- 2 years of experience as Electronic cum stimulation operator in last 4 years with documentary proof of Hydrofracturing operations under Offshore well conditions.	Bidder request to company to remove the relevant 4-year Should have experience with documentary proof of Hydro-fracturing operations under Offshore well conditions	Tender conditions prevail.
50.	1.2 Attachment III	Helper:- 01 year experience as helper in offshore with documentary proof of Hydro-fracturing operations under Offshore well conditions	Bidder request to company to remove the relevant experience with documentary proof of Hydro-fracturing operations under Offshore well conditions	Tender conditions prevail.
51.	Annexure III (Part -I) Scope of Work and Technical specifications	Page 1 of scope of work To provide CTU assisted services like cleanout, milling of cement plugs and bridge plugs, activation, Nitrogen activation services (only NPU Services will be provided by company from well testing services) and stimulation through acid job / multi-stage hydro-fracturing jobs in exploratory offshore wells in AN-OSHP-2018/1 & AN-OSHP-2018/2 blocks in Andaman-Nicobar Offshore	Bidder request company to revise the clause as below: To provide CTU assisted services like cleanout, milling of cement plugs and bridge plugs, activation, Nitrogen activation services (only NPU Services will be provided by company from well testing services) and stimulation through acid job / multi-stage hydro-fracturing jobs in exploratory offshore wells in AN-OSHP-2018/1 & AN-OSHP-2018/2 blocks in	Please refer to the amendment.

		area, India. The Bottom clean out & Activation shall be done with Coiled Tubing and Nitrogen unit placed on the Rig platform. Acid jobs prior to fracturing treatments if required shall also be done through coiled tubing. Both acid job and hydro-fracturing shall be done employing Modular stimulation equipment package either on Semisubmersible / jack up rig or by mounting on the vessel provided by OIL. OIL may, however, utilize this contract for any of the wells of the same block or any other blocks based on its sole discretion.	Andaman-Nicobar Offshore area, India. The Bottom clean out & Activation shall be done with Coiled Tubing and Nitrogen unit placed on the Rig platform. Acid jobs prior to fracturing treatments if required shall also be done through coiled tubing. Both acid job and hydro-fracturing shall be done employing Modular stimulation equipment package either on Semisubmersible / jack up rig or by mounting on the vessel provided by OIL. OIL may, however, utilize this contract for any of the wells of the same block ~~or any other blocks based on its sole discretion~~.	
52.		1.1.3 Crane Lifting capacities The limiting capacity of the Rig/Platform Crane will be 50 Tons. The limiting capacity of the Crane at jetty will be 30 Tons. Bidder will verify that equipment in functional specification do not exceed the lift capacity and have sufficient protection to avoid damage during lifting, transport, mobilization and demobilization operations. If, CT Reel with CT Pipe exceeds the lifting capacity of crane, bidder should provide alternate arrangement for CT Reel lifting at no extra cost to company.	bidder request company to provide 50tonnes crane both on Rig /platforms and jetty	Please refer to the amendment. The limiting capacity of the Crane at Rig will be 50 Tons and at Jetty will be 29 ton (at 29 m radius).
53.		Scope of WORK Table -2 ROW-G Arrival of Contractor's CTU-FPU Equipment at Shore Base for on hire survey: Within 80 days of Issuance of Mobilisation Notice	Bidder requests company to provide 120 days for arrival of CTU-FPU equipment at shore base for on hire survey	Tender conditions prevail. Please refer to the amendment.
54.		1.6 RESIDUAL LIFE OF HF EQUIPMENT AND TOOLS: The residual life of all the Hydrofracking Equipment's, Acid, FPU and CTU equipment shall not be less than 5 (Five) years as on the original bid closing date of the tender. The equipment's should have been re-certified by the third-party certifying agencies viz: LRDISI, ABS, Oilfield Audit Services Inc., DNV GL, Bureau Veritas India Pvt Ltd (BV) and OMCI in the last one year from the original bid closing date and the certificate shall be kept valid for the contract period. All credentials such as manufacturing documents, linking serial nos.	The residual life of all the Hydrofracking Equipment's, Acid, FPU and CTU equipment shall not be less than 5 (Five) 3 years as on the original bid closing date of the tender. The equipment's should have been re-certified by the third-party certifying agencies viz: LRDISI, ABS, Oilfield Audit Services Inc., DNV GL, Bureau Veritas India Pvt Ltd (BV) and OMCI in the last one year from the original bid closing date and the certificate shall be kept valid for the contract period. All credentials such as manufacturing documents, linking serial nos. embossed on the equipment's	Tender conditions prevail. Please refer to the amendment.

		embossed on the equipment's offered with detailed specifications, must be submitted before mobilizing the equipment and also at the time of on-hire survey.	offered with detailed specifications, must be submitted before mobilizing the equipment and also at the time of on-hire survey.	
55.		1.8 TOOLS/EQUIPMENT/SPARES/CONSUMABLES: The Bidder shall provide tools/equipment for the complete services. Such equipment & tools shall be safe for operation meeting HSE / Statutory requirements, effective and accurate to measure well test parameters and productivity. The Bidder shall keep sufficient back up tools and equipment, spares, elastomers, redress kits, etc. in order to ensure uninterrupted services. An indicative list of tools and equipment are given as under. Any additional tools/equipment required to fulfil the scope of work but not covered in the list are also to be supplied by Bidder at no extra charge.	bidder request company to pre intimation for tools requirement and tools those are not in the list and are fit for speciality jobs, separate mob demob and rental shall be applicable.	Tender conditions prevail. Deliberated in pre-bid meeting.
56.		1.13 The area of operations is normally the Andaman Offshore area. However, depending upon job requirement, these equipment may be deployed anywhere in Indian waters.	bidder request company to delete this clause, bidder will provide equipment to perform jobs in assigned area and block only.	Tender conditions prevail. Deliberated in pre-bid meeting.
57.	2.3 Other Equipment:	Should have at adequate quantity of required Iron, fitments, changeovers & connections for offshore stimulation job rig up / well head connection. All changeovers are to be integral and working pressure of 10000 psi with Test Certificates indicating the API Grade. Length of each changeover should be at least 2 ft.	Should have at adequate quantity of required Iron, fitments, changeovers & connections for offshore stimulation job rig up / well head connection. All changeovers are to be integral and working pressure of 10000 psi with test Certificates indicating the API Grade. Length of each changeover should be ~~at least 2 ft~~ fit for purpose.	Acceptable. Please refer to the amendment.
58.	Annexure III (Schedule 7)	**7.2.2 (B)Operating Component Day Rate (OCDR):** For CTU, operating rate starts once the CT tools are in hole i.e. Running-In-Hole (RIH) commences.	Bidder request company to amend this clause and the operating rate starts once the CT equipment rigged up on well and pressure tested.	Tender conditions prevail as the ISDR is being paid.

59.	Scope of Work	**7.3.3.2** A pro-rata penalty @ 25% of OCDR Charge of the respective services of shut down shall be imposed & deducted from monthly invoices of the contractor in case of non-availability of the services, manpower, tools, equipment resulting into shut down of Well operations and/or rig and or other services. This deduction shall be in addition to the zero rate for the duration of that particular service for which the rig has faced shut down of the operations.	Bidder request company to delete this clause	Tender conditions prevail.
60.		**7.3.3.3** In respect of any shortfall in regular personnel and base support personnel as specified in contract, day rate shall be reduced @1.5% of day rate of ongoing operation per person for the period such short fall exists. In case due to above shortfall operational performance is affected, cost calculated as above or as per breakdown clause 7.3.3.3 whichever is higher would apply.	Bidder request company to delete this clause	Tender conditions prevail.
61.	Annexure III CTU equipment Scope of Work	Other requirements Tubing Guide Arch (Gooseneck) will have the recommended radius for well intervention work with 1.75" CT. The end of the tubing guide arch will be constructed to accommodate changing fleet angles and prevent damage to the coiled tubing. c. Bidder Will provide Quick test sub, 4 nos. for easy connect and disconnect of stripper to BOP and will save time between the job by providing pressure integrity in CT stack by means of testing seal, with proper testing equipment only in instead of testing whole CT stack.	Tubing Guide Arch (Gooseneck) will have the recommended radius for well intervention work with 1.75" CT. The end of the tubing guide arch ~~will be constructed to accommodate changing fleet angles~~ fixed fit for purpose and prevent damage to the coiled tubing. c. Bidder Will provide Quick test sub, ~~4~~ 2nos. (1 for operation and 1 as back up) for easy connect and disconnect of stripper to BOP and will save time between the job by providing pressure integrity in CT stack by means of testing seal, with proper testing equipment only in instead of testing whole CT stack.	Please refer amended SoW.
62.		3.2.4 4 1/16" 10K psi Riser a. 2ft, 4 ft, 5 ft, 6 ft, 8 ft, 10ft and 15 ft-Total 100ft b. 4 1/16", 10 K API Flanged c. Constructed of material in accordance with NACE MR-0175 d. All applicable ASTM/ API standards will have to be complied with.	a. 2ft, 4 ft, 5 ft, 6 ft, 8 ft, 10ft and 15 ft-~~Total 100ft~~ bidder will provide riser length fit for purpose as per the job requirement b. 4 1/16", 10 K API Flanged c. Constructed of material in accordance with NACE MR-0175 d. All applicable ASTM/ API standards will have to be	Riser may be omitted as the LUBRICATOR Valve will be used. Please refer amended SoW.

		e. Riser will be capable to sustain the flow of brines & wellbore / formation fluid as mentioned in specification 1.1.1. f. Contractor to keep sufficient ring gaskets for the operations	complied with. e. Riser will be capable to sustain the flow of brines & wellbore / formation fluid as mentioned in specification 1.1.1. f. Contractor to keep sufficient ring gaskets for the operations	
63.	Annexure III Attachment 3 B. the CTU crew	1.2 The Crew Personnel – Functions & Experience : Coil Tubing Services Supervisor Experienced (min 3 years) and competent to carry out the assigned jobs safely and successfully. Should have experience with documentary proof of CTU operations in offshore wells above 10000 psi.	Experienced (min 3 years) and competent to carry out the assigned jobs safely and successfully. Should have experience with documentary proof of CTU operations in **onshore/offshore** ~~above 10000 psi.~~	Tender conditions prevail.
64.		**1.2 The Crew Personnel – Functions & Experience :** **Coil Tubing Engineer** 1.2 The Crew Personnel – Functions & Experience : Coil Tubing Engineer CT Engineer should have at least 5 years as a Coil Tubing Engineer with at least 2 Years of Offshore Field Experience and at least have attended 10 successful offshore jobs.	CT Engineer should have at least 5 years as a Coil Tubing Engineer with at least 2 Years of onshore/Offshore Field Experience and at least have attended 10 successful onshore/ offshore jobs.	Clause partially modified. Please refer amended SoW.
65.		**1.2 The Crew Personnel – Functions & Experience :** **Coil Tubing Operator** Experience (min 3 years) in operation of CTU for Offshore wells	Experience (min 3 years) in operation of CTU for **onshore**/ Offshore wells	Tender conditions prevail.
66.		**1.2 The Crew Personnel – Functions & Experience :** **Coil Tubing Operator Assistant** Experience (min 2 years) in operation of CTU for Offshore wells	Experience (min 2 years) in operation of CTU for **Onshore**/ Offshore wells	Tender conditions prevail.
67.	Annexure III Attachment 3 Equipment Specifications	**Injector Head and Control Cabin** a. The injector head should be for the 1.75" coil tubing. b. Injector size should have ability to fit with the available Track Stack (Jacking frame). Bidder shall arrange compatible adapter for NOV supplied Track Stack Jr (8x8) Tower Package, if required, with no extra cost to OIL. Bidder can get the details of jacking frame from OIL. c. The injector head will have the following attributes: •Control Cabin Unit should be Zone-2 Compliance.	a. The injector head should be for the 1.75" coil tubing. b. Injector size should have ability to fit with the available Track Stack (Jacking frame). Bidder shall arrange compatible adapter for NOV supplied Track Stack Jr (8x8) Tower Package, if required, with no extra cost to OIL. Bidder can get the details of jacking frame from OIL.: Bidder request company to provide details of jacking frame installations on floater rigs , and CT operation procedure to rig up injector on	Tender conditions prevail.

		•Injector Head unit should be Zone-1 Compliance. •Ability to apply sufficient dynamic axial force to the CT to control movement into or out of a well •Sufficient traction to avoid slipping on the CT •Sufficient static force to hold the CT when stopped •Depth Counter •Injector Head c/w swivel strut-support-gooseneck & support frame, complete with suitable anti-bulking guide. •Two independent depth measurement devices required	jacking frame c. The injector head will have the following attributes: •Control Cabin Unit should be Zone-2 Compliance. •Injector Head unit should be Zone-1 Compliance. •Ability to apply sufficient dynamic axial force to the CT to control movement into or out of a well •Sufficient traction to avoid slipping on the CT •Sufficient static force to hold the CT when stopped •Depth Counter •Injector Head ~~c/w swivel strut-support-~~ fit for purpose gooseneck & support frame, complete with suitable anti-bulking guide. •Two independent depth measurement devices required	
68.		**3.2.8 Pumping Services Positive displacement pump (with one backup)** Pumping capability: 0.7-3 BPM at 10,000 psi pumping pressure •750 HHP on callout basis. •Capability to pump acid, linear gel, xylene, scale inhibitors, brines, corrosive fluids and any other chemicals required for all the jobs mentioned in SOW. •Pressure recording, Rate measurement option at the DAS panel with the capacity of chart recorder. In-line flow meter •For fluid rate measurement downstream of pump	Pumping capability: 0.7-3 BPM at 10,000 psi pumping pressure •750 HHP on callout basis. •Capability to pump acid, linear gel, xylene, scale inhibitors, brines, corrosive fluids and any other chemicals required for all the jobs mentioned in SOW. •Pressure recording, Rate measurement option at the DAS panel with the capacity of chart recorder. ~~In-line flow meter~~ in built flowmeter in pumping unit •For fluid rate measurement downstream of pump	Not Accepted. Digital flowmeter may not always be correct. For Pump HHP, please refer amended SoW.
69.		**3.2.3 Crossovers** 1. Cross over from CT tool to Slick line tools. 2. X-over from External Connector to TIW valve in case of CT Cutting 3. Spool able internal splice connector 4. TIW to 1502 in case for Pumping Operation for CT Cutting 5. X/O: 3-1/16” x 4-1/16” Flange Connection 10 K API Flange- 3 nos.	1. Cross over from CT tool to Slick line tools. 2. X-over from External Connector to TIW valve in case of CT Cutting 3. ~~Spool able internal splice connector~~ as this is used in e coil 4. TIW to 1502 in case for Pumping Operation for CT Cutting 5. X/O: 3-1/16” x 4-1/16” Flange Connection 10 K API Flange- 3 nos.	Please refer amended SoW
70.	3.2.5 Coil Tubing Down	• Dual Acting Hydraulic Intensifier • Dual Acting Hydraulic Jar (flow activated or reset by Pumping)	• Dual Acting Hydraulic Intensifier • Dual Acting Hydraulic Jar (flow activated or reset by Pumping)	Tender conditions prevail.

	hole Tools	• 2.5” Hydraulic release JDC overshot for 1.375” external fish neck • 2” Hydraulic release JDC overshot for 1.375” external fish neck • 2.5” Hydraulic release GS pulling tool for 1.81 – 1.83” internal fish neck • 2” Hydraulic release GS pulling tool for 1.38”-1.40” internal fish neck • 1.5”, 2.25”, Hydraulic release JDC overshot for 1.375” external fish neck • 1.5” Hydraulic release JDC overshot for 1.185” external fish neck •Bowen Overshot •Overshot Skirt/ Cut-lip housing •CT to slick-line crossovers •2.5”, 2.25”, 2” Super Magnets • 2.5”, 2.25”, 2” Pump Through Magnets	• 2.5” Hydraulic release JDC overshot for 1.375” external fish neck • 2” Hydraulic release JDC overshot for 1.375” external fish neck • 2.5” Hydraulic release GS pulling tool for 1.81 – 1.83” internal fish neck • 2” Hydraulic release GS pulling tool for 1.38”-1.40” internal fish neck • 1.5”, 2.25”, Hydraulic release JDC overshot for 1.375” external fish neck • 1.5” Hydraulic release JDC overshot for 1.185” external fish neck • ~~Bowen Overshot~~ • ~~Overshot Skirt/ Cut-lip housing~~ • CT to slick-line crossovers • 2.5”, 2.25”, 2” Super Magnets • 2.5”, 2.25”, 2” Pump Through Magnets	
71.		3.0 LIQUIDATED DAMAGES FOR DEFAULT IN TIMELY MOBILISATION: Time is the essence of this Contract. In the event of the Contractor's default in timely mobilization & completion of Phase I and mobilization of Phase II within the stipulated period as per SCC clause 2.3 for commencement of operations, the Contractor shall be liable to pay liquidated damages @ 0.5% of the estimated total Contract value including mobilization cost, per week or part thereof of delay subject to maximum of 7.5%.	Bidder request company to delete this clause	Tender conditions prevail.
72.	Other requirement	Coiled tubing injector rig up on Rig /Platform Details for coiled tubing and injector rig up and installation procedure	Bidder request company to share operation, CT operation stack for NOV 8*8 stack. Bidder request to have Coil tubing lifting frame for all kind of Coil tubing operations	Please refer to the amendment. CTLF to be used.
73.	Bid Security	We request OIL India to share bank details to process the bid security through NEFT/ RTGS mode.		Okay.

Name of Bidder: XXXXXXXXXXX

Sno	Clause No.	Clause	Query	Oil's Response
1.	Annexure-III SOW & Technical Specifications Pg57	SCOPE OF WORK Acid and hydraulic fracturing jobs shall be done either by positioning the modular stimulation package on Semisubmersible rig or jack up rig or by mounting the equipment on the DP II vessel / stimulation vessel provided by OIL and connecting pumping lines to the Semisubmersible Rig or jack up Rig or Platform Rig available at that time.	Bidder requests OIL to confirm one scope for deploying modular equipment on rigs or vessel. There is significant difference in terms of additional equipment requirement and scope of contract to cater in single scope.	Stimulation (Acid/frac) Equipment to be placed on Supply Vessel. CT & FPU Equipment to be placed on Rig.
2.	Annexure-III SOW & Technical Specifications Pg57	It is not the intent of the Scope of Work and accompanying Technical Specifications to cover every component, sub-system, or minor detail of the equipment and outfitting on the vessel provided by OIL. Therefore, any material or parts, the omission of which would be detrimental to the serviceability of the equipment and the inclusion of which is generally accepted Good Shipbuilding / offshore operation Practice, shall be provided by the Contractor.	Bidder understands the intent of Scope of Work, however bidder's scope on any material or parts shall be limited to serviceability of the equipment and relevant operation expressly mentioned in the SOW	Tender conditions prevail. Clause is self explanatory.
3.	Annexure-III SOW & Technical Specifications Pg58	<u>Phase-I: Study and Submission of Report</u> The Contractor shall carry out detailed study of minimum 02 nos. of Offshore Oil/Gas exploratory wells short listed by Company for finding out feasibility, recommendations and designing of Hydro fracturing job. That Contractor shall send a team of experts to Company offices at Kakinada, Andhra Pradesh to review/collect the following geo-scientific data and reports but not limited to, to wells under study during Phase-I. a) 2D and 3D seismic data, hard and soft copies. b) All Available open hole and cased hole logs recorded in the wells. c) Side-wall core analysis reports on lithology, porosity and fluid content of the wells under the	Bidder requests to modify the clause as: <u>Phase-I: Study and Submission of Report</u> The Contractor shall carry out detailed study of ~~minimum~~ 02 nos. of Offshore Oil/Gas exploratory wells short listed by Company for finding out ~~feasibility~~, recommendations and designing of Hydro fracturing job. That Contractor shall send a team of experts to Company offices at Kakinada, Andhra Pradesh to review/collect the following geo-scientific data and reports but not limited to, to wells under study during Phase-I. ~~a) 2D and 3D seismic data, hard and soft copies.~~ b) All Available open hole and cased hole logs recorded in the wells.	Please refer amended SoW.

Sno	Clause No.	Clause	Query	Oil's Response
		study phase. However, in the event of non-availability of the said data conventional core analysis data of offset wells may be reviewed. d) Core Lab Test Data (Geo-mechanical studies), if available. e) Well Data Notes: Well history of all the wells in soft/hard copies. f) Available structural/Isopay maps. g) Reserves/remaining producible volumes data h) Drilling history, Pressure and production data i) Reservoir fluid and PVT data j) Existing well completion data and Surface production facilities data k) Well Test data	c) Side-wall core analysis reports on lithology, porosity and fluid content of the wells under the study phase. However, in the event of non-availability of the said data conventional core analysis data of offset wells may be reviewed. d) Core Lab Test Data (Geo-mechanical studies), if available. e) Well Data Notes: Well history of all the wells in soft/hard copies. f) ~~Available structural/Isopay maps.~~ g) ~~Reserves/remaining producible volumes data~~ h) Drilling history, Pressure and production data i) Reservoir fluid and PVT data j) Existing well completion data ~~and Surface production facilities data~~ k) Well Test data	
4.	Annexure-III SOW & Technical Scpedifications Pg59	The Contractor shall identify & select all prospective zones for each well based on G&G, Production and Completion data. The Zone identification shall be based on the following but not limited to: a) Review of Geological depositional environment, structure and stratigraphy, and geological model provided by Company. b) Petro physical interpretation model. c) Reservoir properties like porosity, permeability, saturation layer thickness, shale barriers, distance to gas cap & aquifer, etc. based on borehole log data provided. d) Completion data analysis to identify mechanical feasibility.	Bidder requests to delete the clause as Identification & Selection of Prospective Zone should be under OIL scope. The bidder shall review the well data as below to design & recommend HF design. ~~The Contractor shall identify & select all prospective zones for each well based on G&G, Production and Completion data. The Zone identification shall be based on the following but not limited to:~~ ~~a) Review of Geological depositional environment, structure and stratigraphy, and geological model provided by Company.~~ ~~b) Petro physical interpretation model.~~ ~~c) Reservoir properties like porosity, permeability, saturation layer thickness, shale barriers, distance to gas cap & aquifer, etc. based on borehole log data provided.~~ ~~d) Completion data analysis to identify mechanical feasibility.~~	Please refer amended SoW.

Sno	Clause No.	Clause	Query	Oil's Response
5.	Annexure-III SOW & Technical Specification Pg59	The Contractor shall associate Company team during the feasibility study, selection of zones / wells and in preparing the design of hydraulic fracturing. Based on the study, the Contractor will recommend the frackable zones showing design basis.	Bidder requests to modify the clause as: The Contractor shall associate Company team during the feasibility study, selection of zones / wells and in preparing the design of hydraulic fracturing~~. Based on the study, the Contractor will recommend the frackable zones showing design basis.~~	Please refer amended SoW.
6.	Annexure-III SOW & Technical Specification Pg59	The recommendations will be submitted in the form of a Report on successful completion of the entire phase I study cum design. The Report (1 hard copy and 1 soft copy) shall provide the following but not limited to: a) Details of Data Review b) Methodology adopted for the study c) Screening criteria d) Ranking/prioritizing and designing. e) Recommendations for well preparation prior to mobilizing the equipment f) Fracturing design including number of fracture stages, fracture half length and width g) Prediction of pre-fracturing and post-fracturing production profiles after calibration h) nodal analysis for suitable mechanism post Hydro-fracturing jobs i) Projection of incremental profit/loss post Hydro-fracturing job.	Bidder requests to modify the clause as: The recommendations will be submitted in the form of a Report on successful completion of the entire phase I study cum design. The Report (1 hard copy and 1 soft copy) shall provide the following but not limited to: a) Details of Data Review b) Methodology adopted for the study c) Screening criteria d) Ranking/prioritizing and designing. e) Recommendations for well preparation prior to mobilizing the equipment f) Fracturing design including number of fracture stages, fracture half length and width ~~g) Prediction of pre-fracturing and post-fracturing production profiles after calibration~~ ~~h) nodal analysis for suitable mechanism post Hydro-fracturing jobs~~ ~~i) Projection of incremental profit/loss post Hydro-fracturing job.~~	Please refer amended SoW.
7.	Annexure-III SOW & Technical Specification Pg59	The Contractor shall Transfer skills to associated Company team during all phases of the study & Design including access of Software's & Hardware's.	Bidder requests to delete the clause. Bidder shall associate with Company team during all phases of study & design.	Please refer amended SoW.
8.	Annexure-III SOW & Technical Specification	C) Detailed study, selection of zones of each wells, prioritizing/ranking, design the Hydrofrac jobs and selection of suitable mechanism including Report preparation and presentation at Kakinada followed by OIL's approval. | Within 30 days weeks from Issuance of LOA (including additional wells supplied to contractor in case of wells found not suitable)	Bidder requests to revise the timeline as	Please refer amended SoW.

<table>
<tr><th>Sno</th><th>Clause No.</th><th>Clause</th><th>Query</th><th>Oil's Response</th></tr>
<tr><td></td><td>Pg59</td><td></td><td>Within ~~30~~ <u>45</u> days ~~weeks~~ from Issuance of LOA ~~(including additional wells supplied to contractor in case of wells found not suitable)~~</td><td></td></tr>
<tr><td>9.</td><td>Annexure-III SOW & Technical Specification

Pg60</td><td>
<table>
<tr><td>Completion milestone</td><td>Elapsed time frame from the date of start of the job</td></tr>
<tr><td>D) Arrival of Contractor's HF Equipment atShore Base for on hire survey</td><td>Within 60 days of Issuance of Mobilisation Notice</td></tr>
<tr><td>E) Onhire survey of Contractor's HF Equipment</td><td>Within 65 days of Issuance of Mobilisation Notice</td></tr>
<tr><td>F) Spotting & Sea fastening of Contractor's HFEquipment on OIL's Vessel</td><td>Within 80 days of Issuance of Mobilisation Notice</td></tr>
<tr><td>G) Arrival of Contractor's CTU-FPU Equipmentat Shore Base for on hire survey</td><td>Within 80 days of Issuance of Mobilisation Notice</td></tr>
<tr><td>H) Onhire survey of Contractor's CTU-FPUEquipment</td><td>Within 85 days of Issuance of Mobilisation Notice</td></tr>
<tr><td>I) HF Execution:</td><td>Within 235 days of Issuance of</td></tr>
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<table>
<tr><td>Completion milestone</td><td>Elapsed time frame from the date of start of the job</td></tr>
<tr><td>D) Arrival of Contractor's HF Equipment at Shore Base for on hire survey</td><td>Within <u>180</u> ~~60~~ days of Issuance of Mobilisation Notice</td></tr>
<tr><td>E) Onhire survey of Contractor's HF Equipment</td><td>Within <u>185</u> ~~65~~ days of Issuance of Mobilisation Notice</td></tr>
<tr><td>F) Spotting & Sea fastening of Contractor's HF Equipment on OIL's Vessel</td><td>~~Within 80 days of Issuance of Mobilisation Notice~~

<u>Within 270 days of satisfactory completion of Onhire survey</u>

<u>(if Applicable)</u></td></tr>
<tr><td>G) Arrival of Contractor's CTU-FPU Equipment at Shore Base for on hire survey</td><td>Within <u>180</u> ~~80~~ days of Issuance of Mobilisation Notice</td></tr>
</table>
</td><td>Please refer amended SoW.</td></tr>
</table>

Sno	Clause No.	Clause	Query	Oil's Response
		Mobilisation Notice	H) Onhire survey of Contractor's CTU-FPUEquipment: Within **185** ~~85~~ days of Issuance of Mobilisation Notice ~~I) HF Execution:~~ ~~Within 235 days of Issuance of Mobilisation Notice~~	
10.	Annexure-III SOW & Technical Specification Pg63	1.7 **SUPPLY BASE:** The transportation of their equipment / tools from and to their supply base to OIL's Shore Base at Kakinada / Port Blair / Cochin is Service Provider's responsibility at their own cost.	1.7 **SUPPLY BASE:** The transportation of their equipment / tools from and to their supply base to OIL's Shore Base at Kakinada ~~/ Port Blair / Cochin~~ is Service Provider's responsibility at their own cost.	Kakinada will be OIL's Shore base.
11.	Annexure-III SOW & Technical Specification Pg63	1.8 **TOOLS/EQUIPMENT/SPARES/CONSUMABLES:** The Bidder shall provide tools/equipment for the complete services. Such equipment & tools shall be safe for operation meeting HSE / Statutory requirements, effective and accurate to measure well test parameters and productivity. The Bidder shall keep sufficient back up tools and equipment, spares, elastomers, redress kits, etc. in order to ensure uninterrupted services. An indicative list of tools and equipment are given as under. Any additional tools/equipment required to fulfil the scope of work but not covered in the list are also to be supplied by Bidder at no extra charge.	1.8 **TOOLS/EQUIPMENT/SPARES/CONSUMABLES:** The Bidder shall provide tools/equipment for the complete services. Such equipment & tools shall be safe for operation meeting HSE / Statutory requirements, effective and ~~accurate to measure well test parameters and productivity.~~ The Bidder shall keep sufficient back up tools and equipment, spares, elastomers, redress kits, etc. in order to ensure uninterrupted services. An indicative list of tools and equipment are given as under. Any additional tools/equipment required to fulfil the scope of work but not covered in the list are also to be supplied by Bidder at no extra charge.	May be acceptable. Please refer amended SoW.
12.	Annexure-III SOW & Technical Specification Pg63	1.9 The Bidder shall provide complete Hydrofracking, Acid, FPU & CTU equipment (along with tools & accessories) and compatible X-overs suitable for well conditions along with operating crew to carry out hydrofracking of the offshore wells. The Bidder shall provide the necessary documentation and equipment details as required by the Rig's Warranty Surveyor to get the same	Bidder requests to modify the clause as below: 1.9 The Bidder shall provide complete Hydrofracking, Acid, FPU & CTU equipment (along with tools & accessories) and compatible X-overs suitable for well conditions along with operating crew to carry out hydrofracking of the offshore wells. The Bidder shall provide the necessary	Tender Conditions Prevail. Please refer amended SoW.

Sno	Clause No.	Clause	Query	Oil's Response
		vetted and for the acceptance of equipment and their placement on deck, cooling requirements etc. The Bidder shall be responsible for ensuring that all the equipment provided satisfies Warranty Surveyors requirements/acceptance. If required, the bidder will be responsible for replacing the equipment to satisfy Warranty surveyor's requirements at no additional costs. Any certification required by the Rig / Vessel Service provider for onboarding the equipment on Rig / Vessel, the service provider shall comply the requirement without any additional cost implication to company. Bidder's all Equipment shall be Zone II compliant.	documentation and equipment details as ~~required by the Rig's Warranty Surveyor and~~ **detailed in SOW** ~~to get the same vetted and for the acceptance of equipment and their placement on deck, cooling requirements etc. The Bidder shall be responsible for ensuring that all the equipment provided satisfies Warranty Surveyors requirements/acceptance. If required, the bidder will be responsible for replacing the equipment to satisfy Warranty surveyor's requirements at no additional costs. Any certification required by the Rig / Vessel Service provider for onboarding the equipment on Rig / Vessel, the service provider shall comply the requirement without any additional cost implication to company. Bidder's all Equipment shall be Zone II compliant.~~ Bidder cannot undertake responsibility of 3rd party HSE, Warranty surveys or other requirements. Bidder will provide the available documentation which is submitted as a industry practice globally in all other offshore operations. Any specific requirement from Vessel/Rig provider to be highlighted by COMPANY in the tender for bidder's review. Any additional requirement/ certification for onboarding the equipment shall be provided on the cost of COMPANY. HF equipment is not placed on rig-floor & will not be Zone II compliant.	
13.	Annexure-III SOW & Technical Specification Pg64	1.10 (a) Submission of all documents stated in Warranty Surveyor's Memo on Hydrofracking by the Hydrofrac service provider. i. Hydrofrac Design Report including Process P&ID & Layouts ii. Any other Equipment details	Bidder requests to provide comprehensive list of documents required for bidder to clarify.	1. Valid Residual life certificates with supporting documents. 2. Hydrotest documents 3. Certificate of Conformity (COC)

Sno	Clause No.	Clause	Query	Oil's Response
				4. All maintenance documents for last 5 years 5. Job Design including Process P&ID & Layouts 6. GAD mentioning Dimensions 7. Shutdown systems etc.,
14.	Annexure-III SOW & Technical S4ecification Pg64	b) Layout review to check the loading on the rig / vessel to ensure sufficient structural strength (Rig / Vessel service provider's responsibility).	Bidder shall provide equipment details with dimensions & weight & suggested layout. Any changes or structural review/modification/ certifications to be under COMPANY scope.	Tender Conditions Prevail
15.	Annexure-III SOW & Technical S4ecification Pg64	c) Sea fastening Study by 3rd party to design adequate securing for all hydrofrack equipment, using 17deg list condition with an additional 10deg static angle applied to reflect inertial forces due to rig / vessel motions in the damage condition.	Bidder requests COMPANY to undertake all conversion activities under COMPANY scope.	Tender Conditions Prevail
16.	Annexure-III SOW & Technical S4ecification Pg64	d) Sourcing of AR-AFFF Foam Monitors for firefighting.	Bidder requests COMPANY to undertake all conversion activities under COMPANY scope.	Tender Conditions Prevail
17.	Annexure-III SOW & Technical S4ecification Pg64	e) Staging of all equipment at an onshore location for warranty Surveyor inspection prior to shipping, including certificates.	Bidder requests list of certificates required to be provided for bidder's review & confirmation.	To refer Sl. No. 13 above
18.	Annexure-III SOW & Technical Specification Pg65	1.14 In case of vessel based stimulation operations, OIL shall provide the DP II vessel. Bidder has to carry the fitment of modular stimulation equipment on the vessel within the stipulated time by practicing the highest safety standards and the standard operating procedures. All these equipment to be functional tested individually and wet test has to be carried out. Bidder has to ensure to obtain satisfactory report	In case of vessel based stimulation operations, OIL shall provide the DP II vessel. **COMPANY** ~~Bidder~~ has to carry the fitment of modular stimulation equipment on the vessel within the stipulated time by practicing the highest safety standards and the standard operating procedures. All these equipment to be functional tested individually and wet test has to be carried out. Bidder has to ensure to obtain satisfactory report of successful	Tender Conditions Prevail

Sno	Clause No.	Clause	Query	Oil's Response
		of successful wet test from OIL before taking up each well for stimulation job. All applicable cost towards necessary marine warranty surveyor inspection and or statutory clearances for bidder's equipment shall be borne by the contractor without any additional cost to company	wet test from OIL before taking up each well for stimulation job. All applicable cost towards necessary marine warranty surveyor inspection and or statutory clearances for bidder's equipment shall be borne by the **COMPANY** ~~contractor~~ without any additional cost to ~~company~~ **CONTRACTOR** Bidder requests vessel conversion/fitment activities with indicated scope to be undertaken by COMPANY/VESSEL OWNER. Conversion requires collaboration of COMPANY & VESSEL OWNERS and could be more efficiently undertaken by the COMPANY due to required certifications, conversion activities and document requirement. Further, Vessel availability & Jetty are prerogative of COMPANY. This restricts bidder's control on shipyard for conversion within the stipulated timelines. Bidder shall provide the equipment at COMPANY's onshore base for on-hire. Prior to conversion, feasibility studies would be required from NAVAL ARCHITECTs for which all details of Vessel such as but not limited to: • Vessel General Arrangement drawing • Profile and Deck Plan drawing. • Safety Plan • Capacity Plan • Stability Booklet • Sea Water Cooling Piping System drawing. • FIFI piping system • Machinery Arrangement Drawing. • Mud tanks / Brine tanks / Methanol system P&ID drawing. • Mud pump Capacity, rate and Head pressure rating.	

Sno	Clause No.	Clause	Query	Oil's Response
			Bidder will provide following documents to assist COMPANY for compliance / conversion activities: 1. General arrangement layout plan 2. Dimension drawing of All equipment 3. Dimension drawing / Capacity of all tanks. 4. Equipment List with Weight details	
19.	Annexure-III SOW & Technical S4ecification Pg64	A few key notes for Hydrofracking service provider related to the above requirement: a) Equipment must be Maritime Standard, i.e. Class society design compliant. b) Equipment Certification by Classification Society must be up to date, i.e. inspection & testing records. c) Ex Inspection compliance. d) Well Test F&G Detection and ESD shall be tied into the rig & vessel RCS for notification and shut down. ESD valves must be fire rated. e) Layout must consider adequate escape ways. f) For use of planned chemicals, special storing and handling from the arrival onboard and throughout operations is required. g) All connections to rig / vessel equipment (i.e. choke manifold) must have minimum double block & bleed isolations installed	A) Bidder's equipment engines do not have marine Compliance & they are Industrial compliant. Offshore Skid frame is Marine Compliant. b) Stimulation equipment for not class/society certified. C) Bidder requests clarity on this. D) Bidder requests this to be under COMPANY scope E) noted for bidder's scope if feasible based on the vessel provided by the COMPANY. f) Noted. Bidder will try to include subject to availability of space & layout constraints on the vessel. G) Bidder requests clarity on double block.	Please refer amended SoW. Bidder shall obtain necessary marine class certification as per SoW.
20.	Annexure-III SOW & Technical S4ecification Pg66	1.27.1 Transportation of crew to & fro from Offshore through OIL's helibase /offshore designated base.	Bidder request to modify the clause as : 1.27.1 Transportation of crew to & fro from Offshore through OIL's helibase /offshore designated base **in Kakinada.**	Tender conditions prevail as OIL's Helibase is in Port Bliar for Andaman Offshore Wells.
21.	Annexure-III SOW & Technical S4ecification Pg66	1.27.2 In case of vessel based stimulation services, DP II vessel shall be provided by OIL equivalent to vessel "Prachi / Executive Valour / any suitable Vessel".	Bidder requests COMPANY to finalize the vessel and provide all vessel details to the bidder to plan & provision modular equipment services. Any cost incurred by bidder due to change in vessel by COMPANY shall be compensated by COMPANY to bidder at COMPANY's cost.	Please refer amended SoW.

Sno	Clause No.	Clause	Query	Oil's Response
22.	Annexure-III SOW & Technical S4ecification Pg67	1.27.8 Transportation of chemicals for Hydraulic Fracturing and acid job to & fro from Offshore through OIL's offshore supply base.	Bidder requests to modify the clause as: 1.27.8 Transportation of chemicals for Hydraulic Fracturing and acid job to & fro from Offshore through OIL's ~~offshore~~ **onshore** supply base.	Acceptable. Please refer amended SoW.
23.	Annexure-III SOW & Technical S4ecification Pg67	1.27.10 To provide jetty & Crane assistance while modular stimulation package is installed / fitted on the vessel.	Bidder requests to modify the clause as: 1.27.10 To provide jetty & Crane assistance while modular stimulation package is installed / fitted / **removed / uninstalled** on the vessel **/ rig**.	Acceptable. Please refer amended SoW.
24.	Annexure-III SOW & Technical S4ecification Pg 68	**2.1 (a) Installation and Dismantling of Contractor's Modular Stimulation Package on OIL's Vessel:** OIL shall provide a support vessel with minimum DP2 capability having deck area approx. 650 – 700 m2 (equivalent to Prachi / Executive Valour / any suitable Vessel). Bidder shall propose a modular HF package spread to be installed on such a vessel & specify the number of days required for fitment to take up the job and dismantling from the support vessel after completion of well.	Bidder's requests COMPANY to provide a single vessel with required vessel details listed above to plan & provision modular services on the vessel. Any cost incurred by bidder due to change in vessel by COMPANY shall be compensated by COMPANY to bidder at COMPANY's cost. Bidder requests COMPANY to undertake the conversion/installation/dismantling scope to expedite and efficiently execute the work considering the Vessel & Jetty are under COMPANY scope.	Single Vessel will be provided depending on the availability of Vessels without hampering Drilling or other ongoing activities at the time of LOA Tender conditions prevail.
25.	Annexure-III SOW & Technical S4ecification Pg 68	After completion of wet test onshore, within 3 days OIL will provide the DP vessel as mentioned above. However, if it fails, standby charges will be paid for the days till the DP vessel arrives at jetty and ready to take equipment for fitment purpose. Once the loading of equipment starts for fitment / installation then only lumpsum fitment charges will be applicable for the entire duration of fitment and successful wet test after fitment. Bidder needs to complete the mobilization of equipment, wet test at onshore, installation and wet test at offshore within 80 days from the date of mobilization notice**.**	Bidder requests to modify the clause as: After completion of wet test onshore,~~ within 3 days OIL will provide the DP vessel as mentioned above. However, if it fails, standby charges will be paid for the days till the DP vessel arrives at jetty and ready to take equipment for fitment purpose. Once the loading of equipment starts for fitment / installation then only lumpsum fitment charges will be applicable for the entire duration of fitment and successful wet test after fitment. Bidder needs to complete the mobilization of equipment, wet test at onshore, installation and wet test at offshore within 80 days from the date of~~	Tender condition shall prevail

Sno	Clause No.	Clause	Query	Oil's Response
			~~mobilization notice.~~ Operating rate shall be payable till equipment is removed from rig/vessel and provided to bidder at COMPANY's supply base.	
26.	Annexure-III SOW & Technical S4ecification Pg 68	Bidder has to make suitable arrangements for storing Dry / Liquid chemicals to keep them in good & usable condition in all weather conditions.	Bidder shall provide Dry / Liquid chemicals in a weather-resistant packaging to COMPANY for storage on vessel/rig. Other arrangements to be under COMPANY SCOPE.	Please refer amended SoW.
27.	Annexure-III SOW & Technical S4ecification Pg 68	General arrangement plan indicating main deck area with dimensions should be submitted by bidder. For drafting the layout plan specifications of vessel Prachi / Executive Valour / any suitable Vessel can be taken as basis.	Bidder requests OIL to provide specifications of a single Vessel for bidder to share general arrangement plan of stimulation equipment.	Will be shared to the successful bidder.
28.	Annexure-III SOW & Technical S4ecification Pg 68	Bidder shall complete the dismantling of equipment from the vessel within 03 days from the date of de-mobilization notice.	Bidder requests COMPANY to undertake the dismantling of equipment from the vessel. 03 days prognosticated for dismantling is not possible and practical. Estimated time required for dismantling could be up to 90days subject to prior notification.	Please refer amended SoW.
29.	Annexure-III SOW & Technical Specification Pg 69 **2.1 (b)**	Bidder needs to complete equipment installation & wet test on the rig within 03 days from the date of company's advise to commence operation after boarded to Rig.	Bidder needs to complete equipment installation & wet test on the rig within **05** ~~03~~ days from the date of company's advise to commence operation after boarded to Rig.	Tender condition prevail.
30.	Annexure-III SOW & Technical Specification Pg 69	**2.3** All connections, required manifolds and transfer hoses for loading Acid, Water & HSD at Shore Base. Transfer pumps with transfer hoses and air hose connections for handling / transferring liquid chemicals at Shore Base.	Acid shall be loaded in Acid Carboys/drums/tote tanks for offshore transportation. HSD & Water transfer accountability and equipment shall be under Vessel Scope	HSD & Water to be provided by Company. Necessary storage & treatment (if any) for Bidder's equipment is in bidder's scope.
31.	Annexure-III SOW & Technical Specification	2.3 Open venting of Acid fumes and fumes of all chemicals & blends is strictly prohibited at all the	Bidder requests to delete the clause as: Acid would be mixed & pumped through CT-FPU unit installed on the rig.	Tender conditions prevail.

Sno	Clause No.	Clause	Query	Oil's Response
	Pg 69	times. Proper venting system will be provided to vent these fumes to water level.		
32.	Annexure-III SOW & Technical Specification Pg 69	2.3 Minimum 50 Meters length Flexible Rubber hoses (2"/4"/3"-10000 Psi working Pressure) capable of handling stimulation chemicals for pumping purposes (other than coflexip hoses).	Bidder requests to remove this requirement. Rubber hoses are only required to transfer chemicals, pumping will be done through treating iron.	Tender conditions prevail.
33.	Annexure-III SOW & Technical Specification Pg 70	3.1 Personnel to be mobilized under regular category For each Hydraulic fracturing / Acidization / CTU-FPU, the contractor will mobilize the operating personnel within 7 (seven) days from the date of intimation. Personnel charges will be applicable from time the personnel arrive at location (OIL Base / Rig / Vessel/ Platform / well site) and will cease the time the personnel leave location (OIL Base / Rig / Vessel / Platform / well site) after completion of job. Transportation of personnel to and from offshore rig / Vessel/ platform and OIL base (Kakinada / Portblair / Cochin) will be done by OIL. All local transport, base accommodation, agency fee etc. during the entire period of the Contract for both expatriate and Indian national personnel will be borne by the Contractor.	3.1 Personnel to be mobilized under regular category For each Hydraulic fracturing / Acidization / CTU-FPU, the contractor will mobilize the operating personnel within 7 (seven) days from the date of intimation. Personnel charges will be applicable from time the personnel arrive at location (OIL Base ~~/ Rig / Vessel/ Platform / well site~~) and will cease the time the personnel leave location (OIL Base ~~/ Rig / Vessel / Platform / well site) after completion of job~~ **post demobilization**. Transportation of personnel to and from offshore rig / Vessel/ platform and OIL base (Kakinada / Portblair / Cochin) will be done by OIL. All local transport, base accommodation, agency fee etc. during the entire period of the Contract for both expatriate and Indian national personnel will be borne by the Contractor.	Clause is self explanatory. Please refer amended SoW.
34.	SOW, Page 61 Coiled tubing services	Coiled tubing with associated equipment, tools and accessories shall be placed on the semisubmersible rig or jack up rig or platform rig for carrying out milling / cleanout / activation / stimulation / cement clearing jobs etc. required as per well program. Technical specifications of the equipment and tools are given at Attachment II.	Bidder requests the company to finalize the plan for spotting the CT equipment. This is critical for bidder to understand operational requirement and provision resources accordingly.	CT & FPU will be spotted in Rig.
35.	SOW, Page 61 Fluid Pumper services	Fluid Pumper Unit (min 10 K) with associated treating irons shall be placed on the semisubmersible rig or jack up rig or platform rig in conjunction to work with CTU Services for	Bidder requests the company to finalize the plan for spotting the FPU equipment. This is critical for bidder to understand operational requirement and provision resources accordingly.	Please refer sl. No. 35 above.

Sno	Clause No.	Clause	Query	Oil's Response
		milling / clean out / stimulation / cement clearing jobs etc. required asper well program.		
36.	SOW, Page 65	1.16 The equipment should have Safety Management System in compliance with prevailing environments as a statutory requirement since all wells are tentatively gas wells (presence of CO2 and H2S were not encountered in last the well).	Bidder requests company to clarify the maximum concentrations of H2S and CO2 anticipated in the wells.	Please refer amended SoW.
37.	SOW, Page 66	1.23 The Bidder will provide interface management to ensure resolution of all technical issues encountered at any interface between itself and the Company's other Bidders / contractors such as that for Flow Head, DST equipment supplier or completion equipment supplier, well testing equipment, Nitrogen pumping unit, Completion/ Drilling Fluids supplier and any other Testing related services, and will prepare, organize, monitor, and participate in Interface Meetings, wherever necessary.	1.23 The ~~**Bidder**~~ **Company** will provide interface management to ensure resolution of all technical issues encountered at any interface between itself and the Company's other Bidders / contractors such as that for Flow Head, DST equipment supplier or completion equipment supplier, well testing equipment, Nitrogen pumping unit, Completion/ Drilling Fluids supplier and any other Testing related services, and will prepare, organize, monitor, and participate in Interface Meetings, wherever necessary. **Bidder will participate in such interface meetings.**	Tender conditions Prevail. During Hydraulic Fracturing & Cleanup, bidder is responsible for interface management.
38.	SOW, Page 67 Services to be provided by OIL	1.27.7 To provide Fuel and Drill Water for stimulation operations. However, the POL other than fuel will be supplied by the contractor.	1.27.7 To provide Fuel**, electricity, internet, compressed Air** and Drill Water for ~~**stimulation**~~ **all Bidder's** operations **in the scope of work**. However, the POL other than fuel will be supplied by the contractor.	Bidder's understanding is correct.
39.	SOW, Page 74 SCHEDULE-6	6.1.1.3 Consumables required by the Company & which are to be provided by OIL as per the terms of the contract under this agreement will be provided by the Contractor for which the Contractor will be paid service charges of 7.5% of FOB price in case of imported consumables and at the rate of 7.5 % of ex-works price in case of indigenous consumables, in addition to reimbursement of actual price against documentary proof. Insurance, freight, duties/taxes, if applicable, will be paid as per	~~6.1.1.3 Consumables required by the Company & which are to be provided by OIL as per the terms of the contract under this agreement will be provided by the Contractor for which the Contractor will be paid service charges of 7.5% of FOB price in case of imported consumables and at the rate of 7.5 % of ex-works price in case of indigenous consumables, in addition to reimbursement of actual price against documentary proof. Insurance, freight, duties/taxes, if applicable, will be paid as per~~	Please refer amended SoW. (Refer sl. No. 43 below)

Sno	Clause No.	Clause	Query	Oil's Response
		actuals against relevant documents. Insurance will be arranged by the Contractor. Above purchase should be initiated with the prior approval from OIL after ascertaining the rate reasonability.	~~actuals against relevant documents. Insurance will be arranged by the Contractor. Above purchase should be initiated with the prior approval from OIL after ascertaining the rate reasonability.~~ *Company to supply Company required consumables.*	
40.	SOW, Page 74 SCHEDULE-6	6.1.1.5 Contractor will keep 100% redundancy of critical equipment.	6.1.1.5 Contractor ~~will keep 100% redundancy of critical equipment.~~ **shall maintain critical spares for the equipment.**	Maybe Accepted
41.	SOW, Page 75 SCHEDULE-6	6.1.2.4 The to-and-fro transportation cost of the regular crew will be borne by the contractor. Transportation of HF /Acid/CT-FPU crew, if between the Company's OIL bases (Kakinada Port) / Helibase (Port Blair / Cochin) to the offshore rig/Vessel/platform and back will be provided by the Company at no cost to the Contractor. No other cost during transit will be borne by the Company. The operational crew change will be normally being carried out after completion of the job at rig/platform.	6.1.2.4 The to-and-fro transportation cost of the regular crew will be borne by the contractor. Transportation of HF /Acid/CT-FPU crew, if between the Company's OIL bases (Kakinada Port) / Helibase (Port Blair / Cochin) to the offshore rig/Vessel/platform and back will be provided by the Company at no cost to the Contractor. No other cost during transit will be borne by the Company. The operational crew change will be ~~**normally being**~~ carried out after completion of the job at rig/platform **or completion of scheduled days for personnel.**	Tender Conditions Prevail.
42.	SOW, Page 75 SCHEDULE-6	6.2.3.1 The Company will supply the following items: 1. Diesel for stimulation: Quantity of diesel used in the chemical mix for stimulation jobs will be considered as the diesel for stimulation consumption which will be provided by OIL free of cost. All other diesel consumed by contractor for Stimulation equipment is defined as Marine diesel.	6.2.3.1 The Company will supply the following items: 1. Diesel for stimulation: Quantity of diesel used in the chemical mix for stimulation jobs will be considered as the diesel for stimulation consumption which will be provided by OIL free of cost. All other diesel consumed by contractor for Stimulation equipment is defined as Marine diesel, **which will be provided by OIL free of cost.**	Clause is self explanatory.
43.	SOW, Page 76 SCHEDULE-6	6.2.3.2 For the above supplies, the Contractor will give minimum one week notice to the Company. In the event, the Company authorizes the contractor to make arrangements for all consumables/items as documented at Clause	~~6.2.3.2 For the above supplies, the Contractor will give minimum one week notice to the Company. In the event, the Company authorizes the contractor to make arrangements for all consumables/items as documented at Clause~~	Please refer amended SoW.

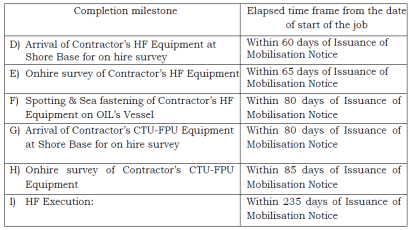
Sno	Clause No.	Clause	Query	Oil's Response
		6.2.3.1, then the quality of the consumables /items will be ensured by the contractor. The cost of sub-standard items noticed before/during use will not be reimbursed by the Company. Any downtime on this account will be at the Contractor's cost. OIL will give two weeks' notice for mobilization of consumables / items listed at Clause 6.2.3.1.	~~6.2.3.1, then the quality of the consumables /items will be ensured by the contractor. The cost of sub-standard items noticed before/during use will not be reimbursed by the Company. Any downtime on this account will be at the Contractor's cost. OIL will give two weeks' notice for mobilization of consumables / items listed at Clause 6.2.3.1.~~ Contractor requests company to keep supply of consumables/items (as documented at Clause 6.2.3.1) in company's scope.	
44.	SOW, Page 76 SCHEDULE-6	6.2.8 Crane facility for loading and unloading of Contractor's material at Rig /Vessel/ platform will be provided by the Company at no cost to Contractor. Proper loading, spotting and re-arranging of all the chemicals & cargo on vessel will be made by contractor with the jetty crane provided by OIL within the stipulated time available at loading jetty.	6.2.8 Crane facility for loading and unloading of Contractor's material at Rig /Vessel/ platform will be provided by the Company at no cost to Contractor. Proper loading, spotting and re-arranging of all the chemicals & cargo on vessel will be made by contractor **(in supervisory role only)** with the jetty crane provided by OIL within the stipulated time available at loading jetty.	Tender conditions prevail.
45.	SOW, Page 78 SCHEDULE-7	7.1.3 The equipment package should have sufficient Hydraulic Horsepower (not less than 12000 HHP) at a given time for continuous operation of HF jobs.	7.1.3 The equipment package should have sufficient Hydraulic Horsepower (not less than ~~12000~~ **8000** HHP) at a given time for continuous operation of HF jobs.	Please refer amended SoW.
46.	SOW, Page 78 SCHEDULE-7	7.1.3 Contractor will keep 100% redundancy of critical systems.	7.1.3 Contractor ~~will keep 100% redundancy of critical systems.~~ **shall maintain critical spares for the equipment.**	Please refer amended SoW.
47.	SOW, Page 78 SCHEDULE-7	7.1.7 Following valid certificates should be made available for the equipment at the time of on-hire survey. All these certificates should remain valid during the course of contract. I. Hydrostatic pressure tests as per API guidelines II. Insurance Certificate III. Certificate of TPI Survey for lifting slings as per API guidelines IV. International Tonnage Certificate for each equipment	7.1.7 Following valid certificates should be made available for the equipment at the time of on-hire survey. All these certificates should remain valid during the course of contract. ~~I. Hydrostatic pressure tests as per API guidelines~~ ~~II. Insurance Certificate~~ III. Certificate of TPI Survey for lifting slings as per API guidelines ~~IV. International Tonnage Certificate for each equipment~~	Tender conditions prevail. Please refer amended SoW.

Sno	Clause No.	Clause	Query	Oil's Response
		V. Zone-II compliance for each equipment VI. Any other relevant certificate/ license for operating onboard Stimulation equipment VII. HHP test certificate at anticipated max. flow rate for the envisaged pumping time VIII. PV curve match report for all pumps IX. Pressure test /Function Test of CTU PCE and associated equipment	~~V. Zone-II compliance for each equipment~~ VI. Any other relevant certificate/ license for operating onboard Stimulation equipment VII. HHP test certificate at anticipated max. flow rate for the envisaged pumping time ~~VIII. PV curve match report for all pumps~~ IX. Pressure test /Function Test of CTU PCE and associated equipment	
48.	SOW, Page 78 SCHEDULE-7	7.1.10 Contractor should ensure any leftover / excess frac fluid/ acid mix is properly neutralized before discharging into sea. While cleaning used tanks in between the jobs they have to follow marine environmental guidelines.	7.1.10 Contractor should ensure any leftover / excess frac fluid/ acid mix is properly neutralized before discharging into sea. While cleaning used tanks in between the jobs ~~they have to follow marine environmental guidelines~~ **any leftover waste shall be transferred to the rig for disposal.**	Clause is self explanatory. Please refer amended SoW.
49.	SOW, Page 79 SCHEDULE-7	Operating day rates for stimulation / CTU equipment package shall be applicable from the time the equipment on vessel / rig / platform location is rigged up to the well for acid or frac job and successfully pressure tested to the time of commencement of "rig down" operations. "Rig down" starts when the treating line is disconnected from the well head / control head. Operating day rate of complete Stimulation package shall be applicable for the DAY when pressure integrity is maintained and pumping corrosive/ non-corrosive fluid into wellbore. For CTU, operating rate starts once the CT tools are in hole i.e. Running-In-Hole (RIH) commences. In case operating day rates apply for part of a day, payment will be on pro-rata basis rounded off to the nearest hour.	Operating day rates for stimulation / CTU equipment package shall be applicable from the time the equipment on vessel / rig / platform location is rigged up to the well for acid or frac job and successfully pressure tested to the time of commencement of "rig down" operations. "Rig down" starts when the treating line is disconnected from the well head / control head. ~~Operating day rate of complete Stimulation package shall be applicable for the DAY when pressure integrity is maintained and pumping corrosive/ non-corrosive fluid into wellbore.~~ For CTU, operating rate starts once the CT tools **(BHA)** are in hole i.e. ~~Running-In-Hole (RIH) commences.~~ **below the rotary table and stops when the CT tools (BHA) are out of hole, i.e. above the rotary table**. In case operating day rates apply for part of a day, payment will be on pro-rata basis rounded off to the nearest hour.	Tender conditions prevail.
50.	SOW, Page 81 SCHEDULE-7	7.3.2.1 For the work equipment forming part of the day rate of the Fracturing equipment or CTU	~~7.3.2.1 For the work equipment forming part of the day rate of the Fracturing equipment or CTU~~	Deliberated in pre-bid meeting, no change.

Sno	Clause No.	Clause	Query	Oil's Response
		Equipment, no down time will be allowed at Company's cost.	~~Equipment, no down time will be allowed at Company's cost.~~ The clause is redundant.	
51.	SOW, Page 82 SCHEDULE-7	7.5 Consumables on mobilization / demobilization The cost of diesel which is available on board at the time of on-hire survey will be recorded and adjusted against the cost of diesel available on board at the time of off-hire survey. The price of diesel for delivery at Kakinada base as on first day of the month of on-hire / off-hire survey will be considered for calculating the cost.	~~The cost of diesel which is available on board at the time of on-hire survey will be recorded and adjusted against the cost of diesel available on board at the time of off-hire survey. The price of diesel for delivery at Kakinada base as on first day of the month of on-hire / off-hire survey will be considered for calculating the cost.~~ Diesel will be provided by OIL for all operations. Therefore, this clause is redundant.	Tender conditions prevail.
52.	SOW, Page 109 Attachment-II	2.8.1 Well Control Equipment Well control hoses and connections from BOP to safe area for secondary and tertiary well control purpose will be fire resistant, capable of withstanding 1100 deg C for minimum 3 minutes. Fire testing will be in accordance with API 16D.	2.8.1 Well Control Equipment Well control hoses and connections from BOP to safe area for secondary and tertiary well control purpose will be fire resistant~~, capable of withstanding 1100 deg C for minimum 3 minutes. Fire testing will be in accordance with API 16D.~~	Please refer amended SoW.
53.	SOW, Page 109 Attachment-II	2.8.2 Coiled Tubing Injector The coiled tubing injector will be capable of generating sufficient force to pull (tension) and thrust (compression) force for the operations intended. CT Injector should have also pull capacity 140% of maximum expected work string weight, Snubbing capacity 120% of maximum anticipated snubbing force as per DNV Offshore Standard OS-E101. All chains, sprockets and other moving parts will have safe guards to prevent injuries and accidents.	2.8.2 Coiled Tubing Injector The coiled tubing injector will be capable of generating sufficient force to pull (tension) and thrust (compression) force for the operations intended. CT Injector should have ~~also~~ pull capacity ~~140% of maximum expected work string weight~~ **of 80,000 lbs**, Snubbing capacity ~~120% of maximum anticipated snubbing force as per DNV Offshore Standard OS-E101~~ **of 40,000 lbs**. All chains, sprockets and other moving parts will have safe guards to prevent injuries and accidents.	Accepted. Please refer amended SoW.
54.	SOW, Page 112 Attachment-II	3.2.2 High Pressure Coil Tubing Unit I) Coil Tubing and Reel f. High pressure coiled tubing with grade 95,000 lbs yield strength (minimum). Wall thickness of	3.2.2 High Pressure Coil Tubing Unit I) Coil Tubing and Reel f. High pressure coiled tubing with grade ~~95,000~~ **90,000** lbs yield strength (minimum). Wall thickness of coiled tubing must be computer	Please refer amended SoW. "Minimum CT grade QT900 or equivalent. Wall thickness of coiled tubing must be

Sno	Clause No.	Clause	Query	Oil's Response
		coiled tubing must be computer simulated and selected to suit operational requirement.	simulated and selected to suit operational requirement.	computer simulated and selected to suit operational requirement."
55.	SOW, Page 112 Attachment-II	l. Bidder should have Yard Spooler, Capable of removable spools, ability to spool off working reel and swap to new spool to working reel.	Bidder requests company to clarify on the requirement.	Clarified during pre-bid meeting.
56.	SOW, Page 112 Attachment-II	f. Gate valve 10,000 psi must be installed so that pressure test of stack could be carried out against it. Contractor should keep 3 quantities of 10,000 psi gate valves for the operations. The total number of gate valves to be mobilized will be finalized during the planning based on operational requirement.	Bidder requests company to delete the requirement of Gate valves as generally in deepwater operations, pressure test of CT stack is done against the testing Flow head.	Deleted. Please refer amended SoW.
57.	SOW, Page 114 Attachment-II	Injector Head and Control Cabin b. Injector size should have ability to fit with the available Track Stack (Jacking frame). Bidder shall arrange compatible adapter for NOV supplied Track Stack Jr (8x8) Tower Package, if required, with no extra cost to OIL. Bidder can get the details of jacking frame from OIL.	Bidder requests company to confirm if Coil tubing lifting frame (CTLF) will be provided by the company.	Please refer amended SoW. CTLF, as required, shall be provided by the bidder.
58.	SOW, Page 114 Attachment-II	c. The injector head will have the following attributes: • Control Cabin Unit should be Zone-2 Compliance. • Injector Head unit should be Zone-1 Compliance.	c. The injector head will have the following attributes: ~~• Control Cabin Unit should be Zone-2 Compliance.~~ ~~• Injector Head unit should be Zone-1 Compliance.~~	Tender conditions prevail.
59.	SOW, Page 115 Attachment-II	• The DAS should have capability to record and display the Permanent Down hole Gauge (PDG) data. Bidder should provide suitable connector to connect PDG to DAS system. Details of the down hole gauge will be provided to the contractor when required.	~~• The DAS should have capability to record and display the Permanent Down hole Gauge (PDG) data. Bidder should provide suitable connector to connect PDG to DAS system. Details of the down hole gauge will be provided to the contractor when required.~~	Deleted. Please refer amended SoW.
60.	SOW, Page 116 Attachment-II	Other Requirements The following Technical Specifications will apply: • Profiled with 120 "V"	Bidder requests company to provide clarity on the requirement.	Please refer amended SoW.

Sno	Clause No.	Clause	Query	Oil's Response
61.	SOW, Page 116 Attachment-II	b. Bidder will provide Quick latch Connections to facilitate safe and efficient operations where possible. Bidder will provide technical information on any proposed connections recommended above the stripper, to makeup with wellhead or drill pipe or stabbing into the BOP stack.	Bidder requests company to clarify on below line: "Bidder will provide technical information on any proposed connections recommended above the stripper, to makeup with wellhead or drill pipe or stabbing into the BOP stack." For PC-4 category, as per API guidelines, all connections must be "Flanged".	Deliberated in pre-bid and clarified.
62.	SOW, Page 116 Attachment-II	c. Bidder Will provide Quick test sub, 4 nos. for easy connect and disconnect of stripper to BOP and will save time between the job by providing pressure integrity in CT stack by means of testing seal, with proper testing equipment only in instead of testing whole CT stack.	c. Bidder Will provide **one** Quick test sub, ~~4 nos.~~ for easy connect and disconnect of ~~stripper~~ **lubricator** to BOP and will save time between the job by providing pressure integrity in CT stack by means of testing seal, with proper testing equipment only in instead of testing whole CT stack.	Please refer amended SoW. "2 Quick Test Sub with repair kit is acceptable."
63.	SOW, Page 118 Attachment-II	c) Coil Tubing Cutter Package for Production Tubing Cut Bidder to propose suitable Coil Tubing Cutter package for cutting the 3 ½" 12.7ppf T-95, 3-1/2" 12.7#, CRA, 125ksi or equivalent grade tubing, Incolloy 925, 110 ksi packer mandrel (ID / OD will be provided later) The Bidder to specify the method of cutting and depth control as very precise control of depth is required for Packer mandrel cutting, 10-12inch) Bidder may propose memory CCL for accurate depth control.	~~c) Coil Tubing Cutter Package for Production Tubing Cut~~ ~~Bidder to propose suitable Coil Tubing Cutter package for cutting the 3 ½" 12.7ppf T-95, 3-1/2" 12.7#, CRA, 125ksi or equivalent grade tubing, Incolloy 925, 110 ksi packer mandrel (ID / OD will be provided later) The Bidder to specify the method of cutting and depth control as very precise control of depth is required for Packer mandrel cutting, 10-12inch)~~ ~~Bidder may propose memory CCL for accurate depth control.~~	No change. Deliberated in pre-bid. The service is required to cut tubing string or packer mandrel, if required.
64.	SOW, Page 119 Attachment-II	3.2.9 Slim Hole tools All the CT tools mentioned in the above tender should be available in slim-hole option (1-11/16) on callout basis.	~~3.2.9 Slim Hole tools~~ ~~All the CT tools mentioned in the above tender should be available in slim-hole option (1-11/16) on callout basis.~~	Deleted. Please refer amended SoW.
65.	SOW, Page 123 Attachment-III	1.2 The Crew Personnel – Functions & Experience Coil Tubing Services Supervisor Experienced (min 3 years) and competent to carry out the assigned jobs safely and successfully.	Experienced (min 3 years) and competent to carry out the assigned jobs safely and successfully. Should have experience with documentary proof	Please refer amended SoW.

Sno	Clause No.	Clause	Query	Oil's Response
		Should have experience with documentary proof of CTU operations in offshore wells above 10000 psi.	of CTU operations in offshore wells ~~above 10000 psi.~~	
66.	SOW, Page 123 Attachment-III	1.2 The Crew Personnel – Functions & Experience Coil Tubing Engineer CT Engineer should have at least 5 years as a Coil Tubing Engineer with at least 2 Years of Offshore Field Experience and at least have attended 10 successful offshore jobs.	CT Engineer should have at least 5 years as a Coil Tubing Engineer with at least 2 Years of Offshore Field Experience ~~and at least have attended 10 successful offshore jobs.~~	Please refer amended SoW.
67.	Page 60 , Phase-II Pre fracturing well preparation	 Completion milestone / Elapsed time frame from the date of start of the job D) Arrival of Contractor's HF Equipment at Shore Base for on hire survey — Within 60 days of Issuance of Mobilisation Notice E) Onhire survey of Contractor's HF Equipment — Within 65 days of Issuance of Mobilisation Notice F) Spotting & Sea fastening of Contractor's HF Equipment on OIL's Vessel — Within 80 days of Issuance of Mobilisation Notice G) Arrival of Contractor's CTU-FPU Equipment at Shore Base for on hire survey — Within 80 days of Issuance of Mobilisation Notice H) Onhire survey of Contractor's CTU-FPU Equipment — Within 85 days of Issuance of Mobilisation Notice I) HF Execution: — Within 235 days of Issuance of Mobilisation Notice	Please note that Mobilization time for the Retrievable seal bore packer is 220 days	Tender conditions prevail. Please refer amended SoW.
68.	Annexure-III SOW & Technical Specification Pg60	The contractor shall suggest & carryout the required workover / completion program including well completion with packer for preparing the wells for hydraulic fracturing. Any specific requirement for perforation, stimulation jobs like acid, solvent, scale removal etc. if required shall be mentioned in the proposal plan for execution by the contractor. The final work over plan shall be approved by COMPANY.	The contractor shall suggest ~~& carryout~~ the required workover / completion program including well completion with packer for preparing the wells for hydraulic fracturing. Any specific requirement for perforation, stimulation jobs like acid, solvent, scale removal etc. if required shall be mentioned in the proposal plan for execution by the contractor. The final work over plan shall be approved by COMPANY. Workover will be carried out by OIL provided rig.	Please refer amended SoW.
69.	Page 150, 31.0 Fishing of equipment, Sub Clause 31.1	In the event any of the Contractor's OR Company OR Company's other Contractors Tools / Equipment is lost / stuck in the well or at site, then the Company shall, at its expense, attempt to recover or retrieve the same. All necessary fishing tools and services, as laid down in the Contract or available with the Drilling Unit, shall be provided by the Contractor as and when the Company decides to fish for any of the	Please amend the clause as Please note that Fishing is not in the scope of Bidder's portfolio. Bidder can only provide the Packer retrieving tool to retrieve the packer. All the standard fishing tools and associated services shall be provided by company	Bidder shall have Fishing Tools for tools / equipment lost / stuck in the well for the purpose of Acid fracture & acid CTU- FPU related jobs.

Sno	Clause No.	Clause	Query	Oil's Response
		Contractor's OR Company OR Company's other Contractors Tools / Equipment. The Company shall have full responsibility and liability for such Operations and the Contractor shall render support in an advisory capacity at all times in connection with such fishing operations.		
70.	Page 178 , 2.6 Charges for Frac competent well completion services	Supply of minimum 10000 psi DP rated packer along with service tool(s) and experienced completion personnel are made available at well site/shore base	Please clarify on the temperature rating of packer, casing size (with ppf) and reservoir fluid properties (specifically H_2S and CO_2 content) inside which packer must set and retrieved.	Packer will be provided by OIL through DST service provider. Please refer amended SoW. Casings: 7" X N80 Casing & 9.5/8" X P110. H_2S and CO_2 are unlikely to be present
71.	Page 180 , 2.13 Service personnel Day rate	A. Stimulation Crew: Stimulation Engineer 1 Stimulation Supervisor 1 Equipment Operator 4 Blender Operator 2 Laboratory Technician 1 Mechanic Technician 1 Electronic Technician 1 Helpers 2 Data Acquisition Specialist 1	Please include the Separate day rate Line item for the Tool engineer for Packer RIH scope	Not acceptable. Please refer amended SoW.
CAG				
72.	SOW, Pg. 63 Cl. 1.7	The transportation of their equipment / tools from and to their supply base to OIL's Shore Base at Kakinada / Port Blair / Cochin is Service Provider's responsibility at their own cost.	The transportation of their equipment / tools from and to their supply base to OIL's Shore Base at Kakinada ~~**/ Port Blair / Cochin**~~ is Service Provider's responsibility at their own cost.	OIL's Shore Base is Kakinada.
73.	SOW, Pg 65 Cl. 1.13	The area of operations is normally the Andaman Offshore area. However, depending upon job requirement, these equipment may be deployed anywhere in Indian waters.	As mob cost for difference location is not same, bidder request to modify as below: The area of operations is ~~**normally**~~ the Andaman Offshore area. ~~**However, depending upon job requirement, these equipment may be deployed anywhere in Indian waters**~~.	Tender conditions prevail.

Sno	Clause No.	Clause	Query	Oil's Response
74.	SOW, Pg 70 Cl. 3.1	For each Hydraulic fracturing / Acidization / CTU-FPU, the contractor will mobilize the operating personnel within 7 (seven) days from the date of intimation. Personnel charges will be applicable from time the personnel arrive at location (OIL Base / Rig / Vessel/ Platform / well site) and will cease the time the personnel leave location (OIL Base / Rig / Vessel / Platform / well site) after completion of job. Transportation of personnel to and from offshore rig / Vessel/ platform and OIL base (Kakinada / Portblair / Cochin) will be done by OIL. All local transport, base accommodation, agency fee etc. during the entire period of the Contract for both expatriate and Indian national personnel will be borne by the Contractor.	Bidder request to modify as under: For each Hydraulic fracturing / Acidization / CTU-FPU, the contractor will mobilize the operating personnel within 7 (seven) days from the date of intimation. Personnel charges will be applicable from time the personnel arrive at location (OIL Base **~~/ Rig / Vessel/ Platform / well site~~**) and will cease the time the personnel leave location (OIL Base**~~/ Rig / Vessel / Platform / well site~~**) after completion of job. Transportation of personnel to and from offshore rig / Vessel/ platform and OIL base (Kakinada**~~/ Portblair / Cochin~~**) will be done by OIL. All local transport, base accommodation, agency fee etc. during the entire period of the Contract for both expatriate and Indian national personnel will be borne by the Contractor.	Tender Conditions Prevail.
75.	SOW, Pg 74 Cl. 6.1.1.1	The material, consumables and equipment which the Contractor supplies shall be in good working condition and the Contractor shall be solely responsible for such material, consumables and equipment. The Company reserves the right to accept or reject any material, removal from the work site of any material, consumables found defective. Any downtime on this account will be at the Contractor's cost.	Since deductions & penalties are applicable, bidder request to modify as under: The material, consumables and equipment which the Contractor supplies shall be in good working condition and the Contractor shall be solely responsible for such material, consumables and equipment. The Company reserves the right to accept or reject any material, removal from the work site of any material, consumables found defective. **~~Any downtime on this account will be at the Contractor's cost.~~**	Tender Conditions Prevail.
76.	SOW, Pg 74 Cl. 6.1.1.4	Transportation of material between OIL base and offshore will be provided by the Company at 7 days' written notice by the Contractor for such transportation.	In line with Cl. 2.1 (a) pg. 68, bidder request to modify as under: Transportation of material between OIL base and offshore will be provided by the Company at **3 ~~7~~** days' written notice by the Contractor for such transportation.	Tender Conditions Prevail.

Sno	Clause No.	Clause	Query	Oil's Response
77.	SOW, Pg 77 Cl 6.2.9	The Contractor will keep the equipment in good and ready condition in between the Hydraulic fracturing operations in different wells / objects. However, for different fracturing job stages in single well, equipment are to be in place on stimulation vessel / rig / platform. Replenishment of onboard materials and chemicals for next job will be done at Kakinada / Port Blair / Cochin jetty. Proppant tanks and acid chemicals will be loaded at a time with chemical supplies for at least two jobs and at least one Hydro-fracturing job of, say, 100 MT size. If required, in case of any additional /specialty chemicals/materials, the Company will provide transport for equipment, material and consumables by sea between the Company base and rig / platform by normal schedule of OSV sailing at no cost to the Contractor. For vessel based operations, vessel having stimulation equipment mounted will sail to jetty for loading of chemicals and other materials required for next job / operational activities.	Bidder request to modify as under: The Contractor will keep the equipment in good and ready condition in between the Hydraulic fracturing operations in different wells / objects. However, for different fracturing job stages in single well, equipment are to be in place on stimulation vessel / rig / platform. Replenishment of onboard materials and chemicals for next job will be done at Kakinada **~~/ Port Blair / Cochin~~** jetty. Proppant tanks and acid chemicals will be loaded at a time with chemical supplies for at least two jobs and at least one Hydro-fracturing job of, say, 100 MT size. If required, in case of any additional /specialty chemicals/materials, the Company will provide transport for equipment, material and consumables by sea between the Company base and rig / platform by normal schedule of OSV sailing at no cost to the Contractor. For vessel based operations, vessel having stimulation equipment mounted will sail to jetty for loading of chemicals and other materials required for next job / operational activities.	Please refer amended SoW.
78.	SOW, Pg. 79 Cl 7.2.2 (a)	Day rate for the Stimulation equipment package, Coil Tubing Unit, Fluid Pumper Unit and Crew shall be applicable from the date and time of successful completion of on-hire offshore survey (mobilization complete) and shall cease on the expiry of the contract or the date and time of demobilization advise whichever is earlier.	Day rate for the Stimulation equipment package, Coil Tubing Unit, Fluid Pumper Unit and Crew shall be applicable from the date and time of successful completion of on-hire **onshore ~~offshore~~** survey (mobilization complete) and shall cease on the expiry of the contract or the date and time of demobilization advise whichever is earlier.	Please refer amended SoW. Clause is deleted.
79.	SOW, Pg. 79 Cl 7.2.2 (b)	Operating Component Day Rate (OCDR): OIL will pay Contractor an operating day rate for the actual number of days the concerned equipment is in operation during execution of HF/Acid/CTU Services. Operating day rates of crew will be paid	Since personnel charges are covered under Cl 3.1 (Pg. 70), bidder request to modify as under: Operating Component Day Rate (OCDR): OIL will pay Contractor an operating day rate for the actual number of days the concerned equipment is in	Please refer amended SoW. Clause is deleted.

Sno	Clause No.	Clause	Query	Oil's Response
		when the operating day rates of equipment of concerned services are applicable.	operation during execution of HF/Acid/CTU Services. ~~**Operating day rates of crew will be paid when the operating day rates of equipment of concerned services are applicable.**~~	
80.	SOW, Pg. 80 Cl 7.2.2 (c)	OIL will pay the contractor a standby rate i.e. non-operating rate payable from the time of first mobilization till completion of the job at location, but not during breakdown period or when operating day rates apply. Standby rate is not applicable on the fitment / dismantling days when equipment start mounting / dismantling on the vessel for vessel based fracturing as lump sum fitment charges are being paid.	Bidder request to modify in line with SCC, Cl. 5.1: OIL will pay the contractor a standby rate i.e. non-operating rate payable from the time of first mobilization **and during entire period of the Contract** ~~**till completion of the job at location**~~, but not during breakdown period or when operating day rates apply. ~~**Standby rate is not applicable on the fitment / dismantling days when equipment start mounting / dismantling on the vessel for vessel based fracturing as lump sum fitment charges are being paid.**~~	Please refer amended SoW. Clause is deleted.
81.	SOW, Pg. 80 Cl 7.2.4	In case of non-acceptability of the stimulation package /equipment / material / consumables on account of above at para 7.2.3, the equipment / material / consumables will be accepted after making up the deficiency as per the tender requirement. No payment will be due, till such time the deficiencies are corrected and duly accepted by Class Authority (if any) and First Successful Offshore Stimulation job / CTU Operation as per clause 7.2.2.	Since ISDR is payable from completion of mobilization, bidder request to modify as under: In case of non-acceptability of the stimulation package /equipment / material / consumables on account of above at para 7.2.3, the equipment / material / consumables will be accepted after making up the deficiency as per the tender requirement. No payment will be due, till such time the deficiencies are corrected and duly accepted by Class Authority (if any) ~~**and First Successful Offshore Stimulation job / CTU Operation as per clause 7.2.2**~~.	Please refer amended SoW. Clause is deleted.
82.	SOW, Pg. 81 Cl 7.3.3.2	A pro-rata penalty @ 25% of OCDR Charge of the respective services of shut down shall be imposed & deducted from monthly invoices of the contractor in case of non-availability of the services, manpower, tools, equipment resulting into shut down of Well operations and/or rig and or other services. This deduction shall be in	In addition to zero rate, Contractor incurs costs during breakdown. Bidder request to delete this clause.	Tender Conditions Prevail.

Sno	Clause No.	Clause	Query	Oil's Response
		addition to the zero rate for the duration of that particular service for which the rig has faced shut down of the operations.		
83.	SOW, Pg. 82 Cl 7.3.3.3	In respect of any shortfall in regular personnel and base support personnel as specified in contract, day rate shall be reduced @1.5% of day rate of ongoing operation per person for the period such short fall exists.	Bidder request to delete this clause as zero rate is already applicable for absent personnel.	Tender Conditions Prevail.
84.	SOW, Pg. 95 Cl. 2.8.9	OIL will arrange boarding and lodging arrangements on the offshore platform/rig location and on the vessel for contractor personnel. Mobilization/demobilization of its personnel / equipment on the platform/rig / vessel location will be done by OIL. Only in special circumstances supply boat / chopper etc. be provided by OIL for urgent supplies pertaining to modular 10 k psi rating stimulation equipment package.	Since offshore logistics is provided by Company, bidder request below change: OIL will arrange boarding and lodging arrangements on the offshore platform/rig location and on the vessel for contractor personnel. Mobilization/demobilization of **Contractor's** it**em**s **and** personnel ~~**/ equipment**~~ on the platform/rig / vessel location will be done by OIL. Only in special circumstances supply boat / chopper etc. be provided by OIL for urgent supplies pertaining to modular 10 k psi rating stimulation equipment package.	Tender Conditions Prevail. Note: Platform will not be applicable. Please refer amended SoW.
85.	SOW, Pg. 98 Cl. 2.11.2	The contractor should provide a complete list of chemicals required for offshore Wells i.e. for temperature up to 300°F, which, in the opinion of the contractor, may be required for efficient work/service. They should also provide a realistic list of quantity of material requirement for 3 zones in each of the 2 wells plus optional 1 wells considering 2000 bbls of fracturing fluid as basis for placement of 100 MT of Prop-pant for each object in a well. Payment will be made according to the actual consumption of chemicals and materials as per Price Schedule; consumption will imply the quantity of material pumped into the well. If two zones are fractured together, then it shall be treated as one job.	The contractor should provide a complete list of chemicals required for offshore Wells i.e. for temperature up to 300°F, which, in the opinion of the contractor, may be required for efficient work/service. They should also provide a realistic list of quantity of material requirement for 3 zones in each of the 2 wells plus optional 1 wells considering 2000 bbls of fracturing fluid as basis for placement of 100 MT of Prop-pant for each object in a well. Payment will be made according to the actual consumption of chemicals and materials as per Price Schedule; consumption will imply the quantity of **chemicals mixed in the tank** ~~**material pumped into the well**~~. If two zones are	Please refer amended SoW.

Sno	Clause No.	Clause	Query	Oil's Response
			fractured together, then it shall be treated as **two** ~~**one**~~ job.	
86.	SOW, Pg. 107 Cl. 1.2	OIL reserves the right to change the Well Plan / Well design and the selected Contractor will ensure that they are fully equipped to meet the operational requirements in consultation with OIL. No separate payment consideration will be made for operations due to the above change other than as in price schedule.	Bidder request to modify as under as any change shall be within SOW: OIL reserves the right to change the Well Plan / Well design **within Scope of Work** and the selected Contractor will ensure that they are fully equipped to meet the operational requirements in consultation with OIL. No separate payment consideration will be made for operations due to the above change other than as in price schedule.	Please refer amended SoW. "… OIL reserves the right to change the Well Plan / Well design within Scope of Work …"
87.	SOW, Pg. 108 Cl. 2.4	Bidder will maintain all equipment and tools in operating condition as per Global Standards or Regional Standards, whichever is greater and will supply all relevant QA/QC third party certification requested by Company. Any premature tripping to change faulty parts will be viewed seriously. Repeated failures and if the incident/ accident reporting system do not substantiate it, then the Company reserves the right to deduct such incidental spread cost from the invoice of the Bidder.	Since performance & penalties are address in GCC & SCC, bidder request to modify as under: Bidder will maintain all equipment and tools in operating condition as per Global Standards or Regional Standards, whichever is greater and will supply all relevant QA/QC third party certification requested by Company. Any premature tripping to change faulty parts will be viewed seriously. ~~**Repeated failures and if the incident/ accident reporting system do not substantiate it, then the Company reserves the right to deduct such incidental spread cost from the invoice of the Bidder.**~~	Tender conditions prevail. Please refer amended SoW.
88.	SOW, Pg. 108 Cl. 2.5	Bidder will maintain adequate stock of tools, spares and accessories to manage the operation of the Work in a remote location. The Bidder should have covered storage space for its tools and equipment in the vicinity of the OIL shore base at Kakinada / Port Blair. The number of tools will be based on the turnaround time between the rig/platform and the shore based service center and back to the rig/platform.	Bidder will maintain storage space at Kakinada only. during entire period of the Contract	Acceptable. Please refer amended SoW.

Sno	Clause No.	Clause	Query	Oil's Response
89.	SOW, Pg. 110 Cl. 2.8.5	The power supply will be configured to provide all mechanical, hydraulic, pneumatic or electrical 'power to the coiled tubing equipment.	Please confirm that power supply will be provided by OIL at no cost to Contractor.	Clause is self explanatory. Tender conditions prevail.
90.	SCC, Pg. 130 Cl. 2.2	DATE OF COMMENCEMENT OF THE CONTRACT:	Commencement is from kick-off meeting. However, as per definitions commencement is from 1st job. Please clarify	Please refer amended SoW.
91.	SCC, Pg. 132 Cl. 2.3.3	a. Regular services/tools/sets/items – On receipt of notice / offloaded at Company's Shore Base.	a. Regular services/tools/sets/items – On receipt of notice **and /** offloaded at Company's Shore Base.	Clause is self explanatory.
92.	SOW, Pg. 135 Cl 7.1	Company and the Contractor would jointly agree on the fracturing program after the completion of mini-fracture on the well and agree on the size of the fracturing job to be performed and the quantity of proppant that is required to be pumped. In case the Contractor during the Main Fracturing operation falls short of at least 75% of the planned quantity of the proppant agreed to be pumped as per job design, Company will deduct an amount equal to 01 (one) day Stimulation/frac Services OCDR for not meeting technical parameters for the job. This shall be Company's only remedy and the Contractor's sole liability for falling short of such agreed job parameters.	Since quantity pumped depends upon the various factors beyond Contractor's control, bidder request to delete this clause.	Please refer amended SoW.
93.	SOW, Pg. 135 Cl 7.3	A pro-rata penalty @ 25% of OCDR Charge of the respective services of shut down shall be imposed & deducted from monthly invoices of the contractor in case of non-availability of the services, manpower, tools, equipment resulting into shut down of Well operations and/or rig and or other services. This deduction shall be in addition to the zero rate for the duration of that particular service for which the rig has faced shut down of the operations.	In addition to zero rate, Contractor incurs costs during breakdown. Bidder request to delete this clause.	Tender Conditions Prevail.

Sno	Clause No.	Clause	Query	Oil's Response
94.	SOW, Pg. 142 Cl 16	Subsequent to the date of issue of letter of award if there is a change in or enactment of any law or interpretation of existing law, which results in additional cost / reduction in cost to Contractor on account of the operation under the Contract the Company / Contractor shall reimburse / pay Contractor / Company for such additional / reduced costs actually incurred subject to the submission of documentary evidence by Contractor / Company.	Since the bidder prices are based on the law prevailing at the time of bid submission, bidder requests to modify as under: Subsequent to the **Bid End Date** ~~**date of issue of letter of award**~~ if there is a change in or enactment of any law or interpretation of existing law, which results in additional cost / reduction in cost to Contractor on account of the operation under the Contract the Company / Contractor shall reimburse / pay Contractor / Company for such additional / reduced costs actually incurred subject to the submission of documentary evidence by Contractor / Company.	Tender Conditions Prevail.
95.	SOR, Pg 177 Cl 2.5 (iii)	All charges on Tools / Equipment / Spare / Accessories etc. shall cease to exist with effect from the day the Contractor is issued demobilization notice by the Company and Tools / Equipment / Spare / Accessories etc. are offloaded at the Company's / Contractor's shore base where it was initially mobilized as per the Contract. The contractor will ensure that demobilization is completed, and the Company's Shore Base is cleared-off Contractor's property within 07 days from the date of offloading at the Company's shore base.	Bidder request to modify in line with SCC, Cl 21.1. Re-export will require time: All charges on Tools / Equipment / Spare / Accessories etc. shall cease to exist with effect from the day the Contractor is issued demobilization notice by the Company and Tools / Equipment / Spare / Accessories etc. are offloaded at the Company's / Contractor's shore base where it was initially mobilized as per the Contract. The contractor will ensure that demobilization is completed, and the Company's Shore Base is cleared-off Contractor's property within **60** ~~**07**~~ days from the date of offloading at the Company's shore base.	Tender Conditions Prevail.
96.	SOR, Pg 179 Cl 2.9 & Cl. 2.10	Charges for the Proppant/ other Fracturing Chemicals shall be paid as per actual consumption	Proppant & other fracturing chemicals mixed as per job plan shall be considered as actual consumption.	Please refer amended SoW.
97.	SOR, Pg 181 Cl 2.14	In an event wherein contractor fails to execute the hydro-fracturing operation or CT operations due to any reason attributable to the contractor, Zero rates shall be applicable for delay for those period.	Since penalties are covered in SCC, Cl 7.0, bidder request to modify as under: In an event wherein contractor fails to execute the hydro-fracturing operation or CT operations due	Tender Conditions Prevail.

Sno	Clause No.	Clause	Query	Oil's Response
		In addition to the Zero rates, Breakdown period x Pro rata rate per hour of equivalent ISDR of all equipment related to that particular operation and charges of mobilized personnel shall be recovered/deducted.	to any reason attributable to the contractor, Zero rates shall be applicable for delay for those period. ~~**In addition to the Zero rates, Breakdown period x Pro rata rate per hour of equivalent ISDR of all equipment related to that particular operation and charges of mobilized personnel shall be recovered/deducted.**~~	
98.	PROFORMA-E CONTRACT FORM, Pg 187 Cl 2	In addition to documents herein above, the following Sections and Annexures attached herewith shall be deemed to form and be read and construed as part of this Contract viz.:	Please confirm the order of precedence for interpretation.	Clarified in Pre-bid meeting.
99.	SCC	New Insertion	Please insert below new clauses as: **1) Drilling waste management** **All waste generated is the property of the Company and Company has full title to the same. Contractor shall not in any way or at any time be the owner of the drilling waste.** **The Contractor shall not be liable for the storage, transportation, manifest or any spent or used chemicals or other hazardous waste resulting from or incident to a job, title of which has passed to the Company or which is/was owned by the Company. Company shall indemnify, release and hold harmless Contractor from and against any and all losses, damages, claims, liabilities arising out of or in relation to such hazardous waste or hazardous material which belongs to the Company."** **2) INTERPRETATION:** **Since all interpretations are based on inference from electrical or other measurements, Contractor cannot and does not guarantee the accuracy or correctness of any interpretation and**	Not acceptable.

Sno	Clause No.	Clause	Query	Oil's Response
			Company agrees that Contractor shall not be liable or responsible except for the case of wilful misconduct on Contractor or his sub-contractors part, for any loss, cost, damage or expense incurred or sustained by Company resulting directly or indirectly from any interpretation made by Contractor or any of its agents, servants, officers or employees. Should any such interpretation or recommendation be relied upon as the sole basis for any drilling, completion, well treatment or production **decision or any procedure involving any risk to the safety of any drilling ventures, drilling rig, or its crew or any other individual, Company agrees that under no circumstances shall Contractor be liable for any loss or damages on this account except in case of wilful misconduct or gross negligence.** **3) Notwithstanding any provision herein to the contrary, the scope of this Contract does not include well control services, which shall be performed under different but mutually acceptable terms and conditions and prices**	

Sno	Clause No.	Clause	Query	Oil's Response
100.	Attachment-I Pg 87	Pumping of higher Sp. Gr. Kill fluids for well control operations, if required	~~Pumping of higher Sp. Gr. Kill fluids for well control operations, if required~~ No well-control operations shall be carried out by bidder.	Clause is self explanatory
101.	Attachment-I Pg 87	Bidder shall comply with the certification of Hydrofrac, Acid, FPU & CTU packages as required by Drilling Rig / Vessel Warranty Surveyor without any additional cost implication to the Company. All supporting documents as required by Warranty Surveyor shall be provided at the time of inspection.	In line with previous query. Bidder cannot undertake responsibility of 3rd party HSE, Warranty surveys or other requirements. Bidder will provide the available documentation which is submitted as a industry practice globally in all other offshore operations. Any specific requirement from Vessel/Rig provider to be highlighted by COMPANY in the tender for bidder's review. Any additional requirement/certification for onboarding the equipment shall be provided on the cost of COMPANY.	Tender Conditions Prevail. Please refer amended SoW.
102.	Attachment-I Pg 87	The Hydrofrac, Acid, FPU & CTU packages shall be strategically covered with F&G system. Necessary interfacing shall be made between ESD panel / tripping device of Hydrofrac package with Rig & Vessel ESD system. Any compliance required in this regard, as advised by Rig / Vessel Warranty	To be under Company scope, bidder is unaware of Rig or Vessel safety systems and design requirements and cannot undertake responsibility for the same.	Tender Conditions Prevail. Please refer amended SoW.

Sno	Clause No.	Clause	Query	Oil's Response
		Surveyor, shall be complied without any additional cost to the company		
103.	Attachment-I Pg 87	It is planned to use 10.6 to 11.6 ppg of CaCl2 / KSO4 brine solution as well fluid during Frac Operation. Bidder's proposed Frac Fluid must be compatible with the CaCl2.	Bidder requests clarity on requirement of Brine as base-fluid.	Bidder query clarified. Tender conditions prevail.
104.	Attachment-I Pg 92	**2.2.1 Typical Frac String Diagram:** Bidder shall Design the actual Frac String required for the job.	Frac string to be designed and provided by OIL. Bidder can assist Company with simulations / suggestions to execute HF jobs	Please refer amended SoW.
105.	Attachment-I Pg 92	(i) For Frac string, Bidder may use the existing 4 ½", PH 6, 17 lb/ ft tubings (used) and 3 ½", PH6, 12.95 lb/ft tubings (used) that are available through OIL's Bundle service provider. In such cases, there shall not be any damage to these tubings as result of hydrofracturing / acid job. All necessary crossovers to connect 3 ½", 4 ½" Tubings and their Pup joints with frac assembly / BHA shall be in bidder's scope.	Bidder cannot take responsibility of 3rd party equipment and requests to remove liability of damage from pumping. The same depends on many factors which are not under bidder's control.	Please refer amended SoW.
106.	Attachment-I Pg 92-93	Bidder must submit the following documents/reports for all the proposed FracFluid with the	Bidder must submit the following documents/reports for all the proposed FracFluid with the technical bid to evaluate stability of Frac-Fluid.	Please refer amended SoW.

Sno	Clause No.	Clause	Query	Oil's Response
		technical bid to evaluate stability of Frac-Fluid. • Model - 50 Test Data for all proposed Frac Fluid at 200 deg F, 250 deg F, and 300 Deg F at 100 s-1 shear rate with ramps. • Standard re-gain permeability test data • Standard Prop-pant Pack retained permeability test. • VCT and Lip test reports • Case histories for successful utilization of proposed Frac-Fluid. • Any other document/report to support the technical qualification of FracFluid	• Model - 50 Test Data for all proposed Frac Fluid at 200 deg F, 250 deg F, and 300 Deg F at 100 s-1 shear rate with ramps. ~~• Standard re-gain permeability test data~~ ~~• Standard Prop-pant Pack retained permeability test.~~ • VCT and Lip test reports • Case histories for successful utilization of proposed Frac-Fluid. • Any other document/report to support the technical qualification of FracFluid	
107.	Attachment-I Pg 93	2.4.1 Well treatment design required for HF, Post Frac production profile/gain analysis and any other requirement for execution of actual fracturing	2.4.1 Well treatment design required for HF, ~~Post Frac production profile/gain analysis and any other requirement for execution of actual fracturing~~	Please refer amended SoW.
108.	Attachment-I Pg 94	2.7.2 Design optimization should include treatment size vs. fracture half length, Productivity vs. time for different treatment sizes, Cumulative production vs. time for	2.7.2 Design optimization should include treatment size vs. fracture half length, ~~Productivity vs. time for different treatment sizes, Cumulative production vs. time for different~~	Please refer amended SoW.

Sno	Clause No.	Clause	Query	Oil's Response
		different treatment sizes, Net Present Value vs. treatment size.	~~treatment sizes, Net Present Value vs. treatment size.~~	
109.	Attachment-I Pg 96	Hose support/hanger, if required, and associated equipment (e.g. I-beams, ISO locks and sockets for installation on the Rig/Platform / Vessel.	associated equipment (e.g. I-beams, ISO locks and sockets for installation on the Rig/Platform /Vessel.) to be under Company scope.	Tender Conditions Prevail. Please refer amended SoW.
110.	Attachment-I Pg 96	Contractor will also provide loading analysis, during pumping and idle condition to confirm the suitability of hose support /hanger. • for any services and equipment required for any modification/welding required on the vessel / rig.	Loading /Stability analysis /modifications on vessel on rig to be under Company/Company provided vessel/rig scope.	Tender Conditions Prevail. Please refer amended SoW.
111.	Attachment-I Pg 97	2.9.5 Provide on-site document on critical parameters (rates, pressures, additives injection), submit field execution report upon job completion. Online real time monitoring system should be implemented along with the 3-D Frac Simulator. 2.9.6 Perform real-time net pressure matching, providing the ability to make necessary adjustments as dictated by the treatment.	2.9.5 Provide on-site document on critical parameters (rates, pressures, additives injection), submit field execution report upon job completion. Online real time monitoring system should be implemented ~~along with the 3-D Frac Simulator.~~ 2.9.6 Perform real-time ~~net pressure matching, providing~~ the ability to make necessary adjustments as dictated by the treatment.	Please refer amended SoW.

Sno	Clause No.	Clause	Query	Oil's Response
112.	Attachment-I Pg 97	The contractor has to 2.10.1Analyze post fracture treatment data (net pressure matching etc.), advise and monitor post-Frac well test, design and analyze post fracture pressure buildup tests to evaluate the fracture performance. Contractor will do Pressure transient analysis based on the data obtained from the tests recommended and submit the report.	The contractor has to 2.10.1Analyze post fracture treatment data (net pressure matching etc.), advise ~~and monitor post-Frac well test, design and analyze post fracture pressure buildup tests to evaluate~~ the fracture performance. Contractor will do Pressure transient analysis based on the data obtained from the tests recommended and submit the report.	Please refer amended SoW.
113.	Attachment-I Pg 97	2.10.3Provide a comprehensive report of all related treatment data and fracture operations within 3 days from the completion of Operations.	2.10.3Provide a comprehensive report of all related treatment data and fracture operations within ~~3~~ **15** days from the completion of Operations.	Please refer amended SoW.
114.	Attachment-II A. HYDRAULIC FRACTRING SPREAD LIST FOR STIMULATION Pg 100	h) Marine / Air coolers	h) Marine / Air / **Seawater / Oil** coolers	Bidder may include necessary equipment for optimum utilization within the available space.
115.	Attachment-II A. HYDRAULIC FRACTRING SPREAD	2. Blending System (with anti-corrosive coating and re-circulation jets) Capable of blending slurries of acid, solvent, prop-pant, Polymer gels.	2. Blending System (with anti-corrosive coating and re-circulation jets) Capable of blending slurries of ~~acid,~~ solvent, prop-pant, Polymer gels.	Please refer amended SoW.

Sno	Clause No.	Clause	Query	Oil's Response
	LIST FOR STIMULATION Pg 101	• Capable of pumping and blending all kinds of acid slurries, Solvent, Proppant slurries, Polymer gels with minimum 32 bpm.	• Capable of pumping and blending all kinds of ~~acid slurries~~, Solvent, Proppant slurries, Polymer gels with minimum 32 bpm.	
116.	Attachment-II A. HYDRAULIC FRACTRING SPREAD LIST FOR STIMULATION Pg 101	4. Liquid Additive System (with anti-corrosive coating): • LA Tanks having individual capacity of minimum quantity required for 2 jobs	4. Liquid Additive System (with anti-corrosive coating): • ~~LA Tanks having individual capacity of minimum quantity required for 2 jobs~~ Bidder requests to remove the clause.	Please refer amended SoW.
117.	Attachment-II A. HYDRAULIC FRACTRING SPREAD LIST FOR STIMULATION Pg 101	5. Dry Additive System • Dry Additive Tanks: Capacity should be sufficient for 2 frac jobs/ trip.	5. Dry Additive System ~~• Dry Additive Tanks: Capacity should be sufficient for 2 frac jobs/ trip.~~ Bidder requests to remove the clause	Please refer amended SoW.
118.	Attachment-II A. HYDRAULIC FRACTRING SPREAD LIST FOR STIMULATION Pg 101	**. Gel Hydration blending System** • Capable to mix linear gel and additive on the fly for mixing and dispersing dry/ slurried polymer	Bidder requests COMPANY to allow batch mixing of linear gel.	Please refer amended SoW.
119.	Attachment-II	11. Stimulation Control Room	11. Stimulation Control Room	Please refer amended SoW.

Sno	Clause No.	Clause	Query	Oil's Response
	A. HYDRAULIC FRACTRING SPREAD LIST FOR STIMULATION Pg 102	Stimulation Control Panel for remote operation of all the mixing, blending, pumping and display monitoring system with auto mixing, pumping and dosing facilities. Chart recorder for recording pressure, rate and density during the treatments to be available. Integration of following stimulation operational parameters with online monitoring and recording will be made available: (i) Data acquisition (Pressures-Tubing & Annulus) from the Rig / platform should be integrated into stimulation data acquisition software. Sufficient length and properly insulated cables to be provided for platform/ Rig to monitor such data. (ii) Data acquisition and recording of flow back parameters (upstream/downstream) and integration with Stimulation data acquisition software. (iii) Data acquisition and recording of LA / blending / hydration / proppant system parameters and integration with	Stimulation Control Panel for remote operation of all the mixing, blending, pumping and display monitoring system with auto mixing, pumping and dosing facilities. **Digital** ~~Chart~~ recorder for recording pressure, rate and density during the treatments to be available. Integration of following stimulation operational parameters with online monitoring and recording will be made available: (i) Data acquisition (Pressures-Tubing & Annulus) from the Rig / platform should be integrated into stimulation data acquisition software. Sufficient length and properly insulated cables to be provided for platform/ Rig to monitor such data. ~~(ii) Data acquisition and recording of flow back parameters (upstream/downstream) and integration with Stimulation data acquisition software.~~ (iii) Data acquisition and recording of LA / blending / hydration / proppant system parameters and integration with Stimulation data acquisition software.	Digital recorder may be acceptable with necessary calibration & data validation certificates.

Sno	Clause No.	Clause	Query	Oil's Response
		Stimulation data acquisition software. (iv) Data acquisition and recording will have the capability to integrate PDHG data with onboard data acquisition system.	(iv) Data acquisition and recording will have the capability to integrate PDHG data with onboard data acquisition system.	
120.	Attachment-II A. HYDRAULIC FRACTRING SPREAD LIST FOR STIMULATION Pg 103	13. Wellhead tools: I. Fracturing head • Suitable for pumping operation • End Connections: 3 1/16" 10 K BX154 Bottom (Frac Tree Connection) x 4 1/16" 10 K BX 155 (CT PCE Bottom Connection) • Appropriate Frac head Blind flange with lifting sling • Gate Valve above Frac Head: 4 1/16" 10 K BX 155 II. Wellhead isolation tools III. Wellhead adapter/flanges	13. Wellhead tools: I. Fracturing head • Suitable for pumping operation • End Connections: 3 1/16" 10 K BX154 Bottom (Frac Tree Connection) x 4 1/16" 10 K BX 155 (CT PCE Bottom Connection) • Appropriate Frac head Blind flange with lifting sling • Gate Valve above Frac Head: 4 1/16" 10 K BX 155 ~~II. Wellhead isolation tools~~ ~~III. Wellhead adapter/flanges~~	Well head isolation tool is deleted. Please refer amended SoW.
121.	Attachment-II A. HYDRAULIC FRACTRING SPREAD LIST FOR STIMULATION Pg 104	IV. Coflex Hoses • 2 each 4" / 3" 1502 Weco connection or size appropriate for pumping rate up to 32 bpm	IV. Coflex Hoses ~~• 2 each~~ 4" / 3" 1502 Weco connection or size appropriate for pumping rate up to 32 bpm • Minimum 10000 psi working pressure	Pumping rate 25 bpm max (1 coflex hose should be on the vessel. Other spare coflex hose may be at shore base at Kakinada ready to

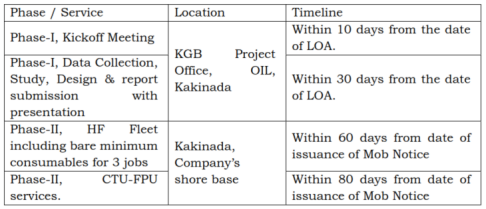
Sno	Clause No.	Clause	Query	Oil's Response
		• Minimum 10000 psi working pressure • Capable of handling 30-40 bpm • Minimum 300 ft long • All coflex hoses should be fitted with Fixer/Hook for holding & lifting by cranes for rig up & rig down • Coflexip hanger (2 each) and associated beams for installing on platform • 2 no. of Hydraulic disconnect. • Have compatible valve on the reeler to connect pumping equipment. However, with known well fluid parameters (H2S, CO2), OIL, at its option may utilize either / both the 4" ID & 3" ID coflexip hoses & attached treating lines/ manifolds as pumping lines.	• Capable of handling ~~30-40~~ **32** bpm • Minimum 300 ft long • All coflex hoses should be fitted with Fixer/Hook for holding & lifting by cranes for rig up & rig down • Coflexip hanger (2 each) and associated beams for installing on platform • 2 no. of Hydraulic disconnect. • Have compatible valve on the reeler to connect pumping equipment. However, with known well fluid parameters (H2S, CO2), OIL, at its option may utilize either / both the 4" ID & 3" ID coflexip hoses & attached treating lines/ manifolds as pumping lines.	be loaded if there is any issue with the first one) Please refer amended SoW.
122.	Attachment-II A. HYDRAULIC FRACTRING SPREAD LIST FOR STIMULATION Pg 104	V. Miscellaneous • Annulus and tubing /casing pressures gauges complete with back up transducers. • High pressure wellhead memory gauges with minimum 1 psi	V. Miscellaneous • Annulus and tubing /casing pressures gauges complete with back up transducers. • High pressure wellhead memory gauges with minimum 1 psi resolution	Please refer amended SoW.

Sno	Clause No.	Clause	Query	Oil's Response
		resolution and 1-2 sec sampling for a duration of 48 hrs. • Low pressure Densitometer (at blender) and High-pressure densitometer at high-pressure line.	and 1-2 sec sampling for a duration of 48 hrs. • ~~Low pressure Densitometer (at blender) and High-pressure~~ **Digital ppa measurement system in blender** densitometer at high-pressure line.	
123.	Attachment-II A. HYDRAULIC FRACTRING SPREAD LIST FOR STIMULATION Pg 105	**Note:** a. Transfer system from HSD tank to stimulation system (blenders and HP pumps) to be made available. Diesel consumption for stimulation (diesel used in the chemical mix for stimulation job) purpose could be monitored & recorded with the installed Coriolis flow meter in the blender line. This will act as backup to sounding / level sensors installed on the HSD Tank.	**Note:** a. Transfer system from HSD tank to stimulation system (blenders and HP pumps) to be made available. Diesel consumption for stimulation (diesel used in the chemical mix for stimulation job) purpose could be monitored ~~& recorded with the installed Coriolis flow meter in the blender line. This will act as backup to sounding / level sensors installed on the HSD Tank.~~	Please refer amended SoW.
124.	Attachment-II A. HYDRAULIC FRACTRING SPREAD LIST FOR STIMULATION Pg 105	c. Proper safety tie-up system will be available for all treating lines rigged up during high pressure operations.	~~c. Proper safety tie-up system will be available for all treating lines rigged up during high pressure operations.~~	Tender Conditions Prevail.

Sno	Clause No.	Clause	Query	Oil's Response
125.	Attachment-II A. HYDRAULIC FRACTRING SPREAD LIST FOR STIMULATION Pg 105	h. Diesel powered air compressors of suitable capacity with backup are to be arranged by contractor for the pneumatic applications. All the accessories like hoses etc. are to be arranged by contractor. 100% backup for compressor system to be arranged.	h. Diesel powered air compressors of suitable capacity with backup are to be arranged by contractor for the pneumatic applications, **if equipment is installed on Vessel**. All the accessories like hoses etc. are to be arranged by contractor. ~~100% backup for compressor system to be arranged.~~	Please refer amended SoW.
126.	Attachment-II A. HYDRAULIC FRACTRING SPREAD LIST FOR STIMULATION Pg 105	i. Filtration units of suitable capacity are to be arranged by contractor for filtering the water going to be used for preparation of fracturing fluid	~~i. Filtration units of suitable capacity are to be arranged by contractor for filtering the water going to be used for preparation of fracturing fluid~~	Tender Conditions Prevail.
127.	APPENDIX – 1 RESPONSIBILITY MATRIX Page 125	1.02 Mounting, Sea fastening, Dismantling of HF equipment on Vessel / Rig including obtaining clearances from Vessel / Rig class certification agency / Warranty Surveyor	Bidder requests company to keep this under company's scope and responsibility.	Tender Conditions Prevail.
128.	APPENDIX – 1 RESPONSIBILITY MATRIX Page 125	1.04 Mounting & Sea fastening of CTU – FPU equipment on Rig including obtaining clearances from Rig class certification agency	Bidder requests company to keep this under company's scope and responsibility.	Tender Conditions Prevail.

Sno	Clause No.	Clause	Query	Oil's Response
129.	APPENDIX – 1 RESPONSIBILITY MATRIX Page 125	1.12 Supply of Packer and associated services for its Installation/Retrieval along with services including but not limited to necessary tools/crossovers, assembling, R/I instructions, settings, fishing tool, redressing, retrieval instructions, milling (if required), including experienced manpower.	Bidder requests change as below: 1.12 Supply of Packer and associated services for its Installation/Retrieval along with services including but not limited to necessary tools/crossovers, assembling, R/I instructions, settings, ~~fishing tool,~~ redressing, retrieval instructions, ~~milling (if required), including experienced manpower.~~	Please refer amended SoW.
130.	APPENDIX – 1 RESPONSIBILITY MATRIX Page 126	1.19 Flowback plan	Bidder requests company to keep this under company's scope and responsibility	Please refer amended SoW.
131.	APPENDIX – 1 RESPONSIBILITY MATRIX Page 126	1.20 Provision for CTU & FPU equipment with all tools & accessories including operating manpower. (CTU & FPU may be placed at Rig floor & FPU may be placed at Rig / Vessel).	1.20 Provision for CTU & FPU equipment with all tools & accessories including operating manpower. (CTU ~~& FPU~~ may be placed at Rig floor & FPU may be placed at Rig / Vessel). For clarity.	Both CTU & FPU should be placed at Rig. However, bidder may place the FPU at Vessel with proper connection to CTU as per convenience.
132.	APPENDIX – 1 RESPONSIBILITY MATRIX	1.26 Mobilization & installation of Tree Saver including experienced manpower	Bidder requests company to keep this under company's scope and responsibility	Requirement deleted. Please refer amended SoW.

Sno	Clause No.	Clause	Query	Oil's Response
	Page 126			
133.	APPENDIX – 1 RESPONSIBILITY MATRIX Page 126	1.27 Well Control Liability	Bidder requests company to keep this under company's scope and responsibility	Please refer amended SoW.
134.	APPENDIX – 1 RESPONSIBILITY MATRIX Page 126	1.28 Clean Up Liability within the vessel including safe disposal	Bidder requests company to restrict the cleanup liability of bidder's consumables onboard vessel to bidder. Any fluid once pumped into well shall be under company's scope for cleanup requirement.	Tender Conditions Prevail. Clause is self-explanatory & applicable for bidder's scope.
135.	APPENDIX – 1 RESPONSIBILITY MATRIX Page 126	3.2 Firefighting facilities 3.3 Disposal Equipment	Bidder requests company to keep this under company's scope and responsibility.	Tender Conditions Prevail as the clause is applicable for bidder's scope.
136.	APPENDIX – 1 RESPONSIBILITY MATRIX Page 126	3.7 Provision for storage of chemicals in the Rig floor in rig / vessel i) Space for storage (sufficient for 3 jobs as per job requirements) Storage of chemicals and proppant at OIL provided Vessel / Rig	Bidder requests company to keep this under company's scope and responsibility.	Please refer amended SoW.
137.	SECTION-III SCC Page 128	vii. "Shore Base" means the logistics support base where the Contractor's, Company's and Company third party personnel and	vii. "Shore Base" means the logistics support base where the Contractor's, Company's and Company third party personnel and equipment will be	Shore base shall be at Kakinada.

Sno	Clause No.	Clause	Query	Oil's Response
		equipment will be shipped, stored, maintained and delivered to support the offshore Drilling Unit as per the Contract. Shore base services will be at Port Blair and Kakinada, Andhra Pradesh for the Andaman and Nicobar Islands wells.	shipped, stored, maintained and delivered to support the offshore Drilling Unit as per the Contract. Shore base services will be at ~~Port Blair and~~ Kakinada, Andhra Pradesh for the Andaman and Nicobar Islands wells.	
138.	SECTION-III SCC Page 129	xiv. "Approval" as it relates to Company, means written approval.	xiv. "Approval" as it relates to Company, means written **/ Email** approval.	Acceptable.
139.	SECTION-III SCC Page 130	 Phase / Service / Location / Timeline Phase-I, Kickoff Meeting / KGB Project Office, OIL, Kakinada / Within 10 days from the date of LOA. Phase-I, Data Collection, Study, Design & report submission with presentation / Within 30 days from the date of LOA. Phase-II, HF Fleet including bare minimum consumables for 3 jobs / Kakinada, Company's shore base / Within 60 days from date of issuance of Mob Notice Phase-II, CTU-FPU services. / Within 80 days from date of issuance of Mob Notice	Bidder requests timeline to be adjusted in line with previous query.	Please refer amended SCC.
140.	SECTION-III SCC Page 131	Post completion of the on-hire survey of the HF equipment, Company will provide a Vessel at Kakinada Port for sea-fastening of the HF equipment. The contractor shall complete the sea-fastening of HF equipment within 15 days from the date of OIL's handover of Vessel at Port.	Post completion of the on-hire survey of the HF equipment, Company will provide a Vessel at Kakinada Port for sea-fastening of the HF equipment. ~~The contractor shall complete the sea-fastening of HF equipment within 15 days from the date of OIL's handover of Vessel at Port.~~	Please refer amended SCC.
141.	SECTION-III SCC Page 131	The mobilization of the Stimulation/frac services under Phase-II shall deem to be	The mobilization of the Stimulation/frac services under Phase-II shall deem to be completed	Please refer amended SCC.

Sno	Clause No.	Clause	Query	Oil's Response
		completed in all aspects when all the on-hired equipment are fitted in OIL's provided vessel & pressure tested successfully; requisite packers with accessories, necessary fracturing chemicals/ consumables and proppant for maximum 03 HF jobs are made available at vessel/shore base as per ToR / SoW of the tender / contract are completed by Contractor.	in all aspects when all the **equipment are** on-hired ~~equipment are fitted in OIL's provided vessel~~ & pressure tested successfully; requisite packers with accessories, necessary fracturing chemicals/ consumables and proppant for maximum 03 HF jobs are made available at ~~vessel/~~shore base as per ToR / SoW of the tender / contract are completed by Contractor.	
142.	SECTION-III SCC Page 131	The mobilization of the CTU-FPU services under Phase-II shall deem to be completed in all aspects when all the on-hired equipment are fitted in OIL's provided rig/vessel & pressure tested successfully.	The mobilization of the CTU-FPU services under Phase-II shall deem to be completed in all aspects when all the **equipment are** on-hired ~~equipment are fitted in OIL's provided rig/vessel~~ & pressure tested successfully.	Please refer to the amended SCC.
143.	SECTION-III SCC Page 131	v) On-hire inspection of the services shall be done only at the company's shore base. In case, the on-hired equipment are not sent to vessel / rig for seafastening due to any reason not attributable to Contractor, then Individual Service Day Rate charges as applicable shall be payable after 7 days onwards from on-hire survey date, e.g., in case on-hire survey is	v) On-hire inspection of the services shall be done only at the company's shore base. In case, the on-hired equipment are not sent to vessel / rig for seafastening due to any reason not attributable to Contractor, then Individual Service Day Rate charges as applicable shall be payable ~~after 7 days onwards~~ from on-hire survey date, e.g., in case on-hire survey is completed on Day 1, then Individual	Tender Conditions Prevail

Sno	Clause No.	Clause	Query	Oil's Response
		completed on Day 1, then Individual Service Day Rate shall start from Day 8.	Service Day Rate shall start from Day ~~8~~ **2**.	
144.	SECTION-III SCC Page 132	viii) Company shall have the option to ask for delayed mobilization of the services as per Contract. A minimum notice period of 30 days before the schedule date of mobilization shall be applicable at the time of asking for such delay in mobilization. Mobilization can be delayed for a maximum cumulative period of 45 days, limited to twice in the duration of the Contract.	~~viii) Company shall have the option to ask for delayed mobilization of the services as per Contract. A minimum notice period of 30 days before the schedule date of mobilization shall be applicable at the time of asking for such delay in mobilization. Mobilization can be delayed for a maximum cumulative period of 45 days, limited to twice in the duration of the Contract.~~	Tender Conditions Prevail
145.	SECTION-III SCC Page 134	5.1 ISDR for Stimulation/frac equipment will not be payable when Charges for seafastening & Charges for dismantling of sea-fastened equipment are payable.	~~5.1 ISDR for Stimulation/frac equipment will not be payable when Charges for seafastening & Charges for dismantling of sea-fastened equipment are payable.~~	Tender Conditions Prevail. Please refer amended SCC.
146.	SECTION-III SCC Page 135	7.1 Company and the Contractor would jointly agree on the fracturing program after the completion of mini-fracture on the well and agree on the size of the fracturing job to be performed and the quantity of proppant that is required to be pumped. In case the Contractor during the Main Fracturing operation falls short of at least 75% of the planned quantity of the	7.1 Company and the Contractor would jointly agree on the fracturing program after the completion of mini-fracture on the well and agree on the size of the fracturing job to be performed and the quantity of proppant that is required to be pumped. In case the Contractor during the Main Fracturing operation falls short of at least ~~75%~~ **50%** of the planned quantity of the proppant	Please refer amended SoW & SCC. Clause is deleted.

Sno	Clause No.	Clause	Query	Oil's Response
		proppant agreed to be pumped as per job design, Company will deduct an amount equal to 01 (one) day Stimulation/frac Services OCDR for not meeting technical parameters for the job. This shall be Company's only remedy and the Contractor's sole liability for falling short of such agreed job parameters.	agreed to be pumped as per job design **due to reasons solely attributable to contractor**, Company will ~~deduct~~ **not pay** an amount equal to 01 (one) day Stimulation/frac Services OCDR for not meeting technical parameters for the job. This shall be Company's only remedy and the Contractor's sole liability for falling short of such agreed job parameters.	
147.	SECTION-III SCC Page 135	7.2 iii) is not operating or not available as per its intended operations due to which the operation quality is compromised.	7.2 ~~iii) is not operating or not available as per its intended operations due to which the operation quality is compromised.~~	Tender Conditions Prevail
148.	SECTION-III SCC Page 135	7.3 A pro-rata penalty @ 25% of OCDR Charge of the respective services of shut down shall be imposed & deducted from monthly invoices of the contractor in case of non-availability of the services, manpower, tools, equipment resulting into shut down of Well operations and/or rig and or other services. This deduction shall be in addition to the zero rate for the duration of that particular service for which the rig has faced shut down of the operations.	Bidder requests exception to be in line with previous query.	Tender Conditions Prevail

Sno	Clause No.	Clause	Query	Oil's Response
149.	SECTION-III SCC Page 136	9.1.1 Contractor shall ensure that its personnel will be competent as required under the service to be provided. However, the Contractor shall provide details of experience, qualification and other relevant data of the personnel to be deployed for scrutiny and clearance by the Company before the actual deployment, i.e., within the mobilization period. The Contractor shall not deploy its personnel unless cleared by the Company. The contractor shall not replace the key personnel initially mobilised during the contract period except in the case of leave, illness, and resignation.	9.1.1 Contractor shall ensure that its personnel will be competent as required under the service to be provided. However, the Contractor shall provide details of experience, qualification and other relevant data of the personnel to be deployed for scrutiny and clearance by the Company before the actual deployment, i.e., within the mobilization period. The Contractor shall not deploy its personnel unless cleared by the Company. ~~The contractor shall not replace the key personnel initially mobilised during the contract period except in the case of leave, illness, and resignation.~~	Tender Conditions Prevail
150.	SECTION-III SCC Page 138	9.1.13 The quoted day rate of national and expatriate service personnel shall be all inclusive of their mobilization, local travel, boarding, lodging, and demobilization, including any remobilization. The Company shall provide transportation from Company designated Heli-base to the Drilling Unit /OSV, the Company will also provide accommodation and food while the personnel is on the Drilling Unit/OSV. Any day rates	9.1.13 The quoted day rate of national and expatriate service personnel shall be all inclusive of their mobilization, local travel, boarding, lodging, and demobilization, including any remobilization. The Company shall provide transportation from Company designated Heli-base to the Drilling Unit /OSV, the Company will also provide accommodation and food while the personnel is on the Drilling Unit/OSV. ~~Any day rates for personnel will be paid only when on the drilling~~	Tender Conditions Prevail

Sno	Clause No.	Clause	Query	Oil's Response
		for personnel will be paid only when on the drilling unit/OSV. If any person/personnel are mobilized/remobilized to the Company's Shore Base or offloaded from the Drilling Unit / Vessel by the Company due to any other reason or contingencies at the Company's request, the Company shall pay only the quoted day rate which will be inclusive of local travel, boarding, lodging, etc.	~~unit/OSV.~~ If any person/personnel are mobilized/remobilized to the Company's Shore Base or offloaded from the Drilling Unit / Vessel by the Company due to any other reason or contingencies at the Company's request, the Company shall pay only the quoted day rate which will be inclusive of local travel, boarding, lodging, etc.	
151.	SECTION-III SCC Page 138	9.1.14 Data Integration: Contractor must have the facility to transmit their data with Rig's communication system for Real-Time transmission.	~~9.1.14 Data Integration: Contractor must have the facility to transmit their data with Rig's communication system for Real-Time transmission.~~ Bidder is unaware of rig's communication system and cannot assume accountability for the same.	Tender Conditions Prevail
152.	SECTION-III SCC Page 141	13.3 To approve the choice of sub-contractors for any essential third-party contract, concerning materials, equipment, personnel and services to be rendered by Contractor. Sub-contract may be entered into by Contractor only after Company's approval.	~~13.3 To approve the choice of sub-contractors for any essential third-party contract, concerning materials, equipment, personnel and services to be rendered by Contractor. Sub-contract may be entered into by Contractor only after Company's approval.~~	Tender Conditions Prevail

Sno	Clause No.	Clause	Query	Oil's Response
153.	SECTION-III SCC Page 147	26.0 DEFICIENCIES: CONTRACTOR's all equipment shall be always maintained by CONTRACTOR in sound and efficient operating condition. Should the performance of CONTRACTOR's equipment and services becomes unsatisfactory or performance of work hereunder be reduced because of defective CONTRACTOR's furnished equipment or by reason of CONTRACTOR's incompetence or negligence, OIL shall give CONTRACTOR written notice specifying the causes of its dissatisfaction to correct the specified deficiency within 10 days failing which OIL shall have the right to terminate this Contract by giving thirty (30) days advance written notice to the CONTRACTOR, unless the specified deficiency is corrected within such ten (10) days period. In this event no demobilization fees will be payable by the Company notwithstanding the provision contained in the Contract. OIL shall recover the mobilization charges, if any, paid as defined in "Section-IV: Schedule of Rate" in case the deficiency occurs	26.0 DEFICIENCIES: CONTRACTOR's all equipment shall be always maintained by CONTRACTOR in sound and efficient operating condition. Should the performance of CONTRACTOR's equipment and services becomes unsatisfactory or performance of work hereunder be reduced because of defective CONTRACTOR's furnished equipment or by reason of CONTRACTOR's incompetence or negligence, OIL shall give CONTRACTOR written notice specifying the causes of its dissatisfaction to correct the specified deficiency within 10 days failing which OIL shall have the right to terminate this Contract by giving thirty (30) days advance written notice to the CONTRACTOR, unless the specified deficiency is corrected within such ten (10) days period. In this event no demobilization fees will be payable by the Company notwithstanding the provision contained in the Contract. ~~OIL shall recover the mobilization charges, if any, paid as defined in "Section-IV: Schedule of Rate" in case the deficiency occurs during pendency of the Contract, on pro-rata basis for the period of performance, in addition to invoking of performance~~	Tender Conditions Prevail

Sno	Clause No.	Clause	Query	Oil's Response
		during pendency of the Contract, on pro-rata basis for the period of performance, in addition to invoking of performance bond due to failure of the CONTRACTOR in not executing the Contract faithfully.	~~bond due to failure of the CONTRACTOR in not executing the Contract faithfully.~~	
154.	SECTION-III SCC Page 150	31.1 In the event any of the Contractor's OR Company OR Company's other Contractors Tools / Equipment is lost / stuck in the well or at site, then the Company shall, at its expense, attempt to recover or retrieve the same. All necessary fishing tools and services, as laid down in the Contract or available with the Drilling Unit, shall be provided by the Contractor as and when the Company decides to fish for any of the Contractor's OR Company OR Company's other Contractors Tools / Equipment. The Company shall have full responsibility and liability for such Operations and the Contractor shall render support in an advisory capacity at all times in connection with such fishing operations.	31.1 In the event any of the Contractor's OR Company OR Company's other Contractors Tools / Equipment is lost / stuck in the well or at site, then the Company shall, at its expense, attempt to recover or retrieve the same. All necessary fishing tools and services, as laid down in the Contract or available with the Drilling Unit, shall be provided by the Contractor **(only If such fishing activity occurs due to Contractors' gross negligence,)** as and when the Company decides to fish for any of the Contractor's OR Company OR Company's other Contractors Tools / Equipment. The Company shall have full responsibility and liability for such Operations and the Contractor shall render support in an advisory capacity at all times in connection with such fishing operations.	Clause is self explanatory.
155.	SECTION-III SCC Page 151	34.0 PERMITS, CLEARANCES AND LICENSE	Bidder wants to clarify that all permits, clearance and licenses relevant to	Clause is self explanatory.

Sno	Clause No.	Clause	Query	Oil's Response
		Contractor agrees that it shall secure permits, clearances and licenses for operations of the Hydraulic Fracturing services in Indian waters, if required and Contractor shall pay any expenses in this regard. Contractor shall take required License(s) from the appropriate regulatory agencies of Govt. of India at Contractor's cost. However, the Company shall assist the Contractor in obtaining the requisite permit, clearances and licenses.	conversion of company provided vessel shall be under company's scope at the cost of company.	
156.	SECTION-III SCC Page 151	**36.0 HAZARDOUS WASTE**: The Contractor shall be liable for the storage, handling, transportation (on land), manifest and disposal through authorised agency of any spent or used chemicals or other hazardous waste generated at its storing facilities in Kakinada.	Bidder requests Company to confirm that well fluids or spent acid flowed back from well shall be disposed off by the Company.	Please refer amended SoW & SCC. Neutralisation of flow back fluid is in bidder's scope.
157.	SECTION-III SCC Page 152	**38.0 CUSTOMS DUTY** : 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	Bidder requests custom duty for items other than those listed under List-33 to be under company scope as SoW of bidder is subject to changes in vessel provided by OIL	Clause is self explanatory.

Sno	Clause No.	Clause	Query	Oil's Response
		merit basis and the applicable customs duty thereof is deemed to be included by the contractor 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.		
158.	SECTION-III SCC Page 156	**44.0 REAL TIME DATA TRANSMISSION**: SRT, MF, Data Frac & Main Frac data to be transmitted in Real-Time from Drilling Unit/OSV to Operator's onshore base, via latest version of industry standard WITS / WITSML data exchange format using contractor provided VSAT at Drilling Unit.	**44.0 REAL TIME DATA TRANSMISSION**: SRT, MF, Data Frac & Main Frac data to be transmitted in Real-Time from Drilling Unit/OSV to Operator's onshore base, via latest version of industry standard WITS / WITSML data exchange format using **COPMANY** ~~contractor~~ provided VSAT at Drilling Unit. Bidder requests company to provide internet facilities at OSV/rig	Please refer amended SoW & SCC.
159.	SECTION-III SCC Page 157	**46.0 Risk Purchase**: In the event, CONTRACTOR's failure to provide the services as per the Contractual scope, terms and conditions, COMPANY (OIL)	**46.0 Risk Purchase**: In the event, CONTRACTOR's failure to provide the services as per the Contractual scope, terms and conditions, COMPANY (OIL) reserves	Tender Conditions Prevail

Sno	Clause No.	Clause	Query	Oil's Response
		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.	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.~~	
160.	PART-IV SCHEDULE OF RATES Page 176	(vii)Each down hole tool/equipment as well as consumable items should have minimum number of back-ups to continue the operation in case of malfunctioning of tool/equipment and consumable items found to be defective or damaged during handling at surface.	(vii)Each down hole tool/equipment as well as consumable items should have minimum number of back-ups , **if applicable,** to continue the operation in case of malfunctioning of tool/equipment and consumable items found to be defective or damaged during handling at surface.	Clause is self explanatory.
161.	PART-IV SCHEDULE OF RATES Page 178	**2.2 Charges for sea fastening of stimulation/frac equipment on vessel / Rig:** Company shall provide Vessel and Drilling Rig, as applicable, for seafastening of the stimulation / frac equipment. This charge shall be payable as Lump sum after completion of spotting & sea-fastening works for the contractor's equipment in OIL's provided vessel / Rig within the stipulated timeline as mentioned in the SOW/TOR of	~~**2.2 Charges for sea fastening of stimulation/frac equipment on vessel / Rig:**~~ ~~Company shall provide Vessel and Drilling Rig, as applicable, for seafastening of the stimulation / frac equipment. This charge shall be payable as Lump sum after completion of spotting & sea-fastening works for the contractor's equipment in OIL's provided vessel / Rig within the stipulated timeline as mentioned in the SOW/TOR of the~~	Tender Conditions Prevail

Sno	Clause No.	Clause	Query	Oil's Response
		the contract. Except the charges for sea-fastening of stimulation/frac equipment, no other charges shall be payable during the period of fixing works.	~~contract. Except the charges for sea-fastening of stimulation/frac equipment, no other charges shall be payable during the period of fixing works.~~	
162.	PART-IV SCHEDULE OF RATES Page 178	(ii) ISDR charges of stimulation/frac equipment placed on Rig will continue till offloaded at the Company's Shore base at Kakinada after issuance of Demobilization notice. For equipment placed on Vessel, the ISDR charges will continue till arrival of vessel at Company's Shore base for dismantling of sea-fastened equipment after issuance of Demobilization notice	(ii) ISDR charges of stimulation/frac equipment placed on Rig**/Vessel** will continue till offloaded at the Company's Shore base at Kakinada after issuance of Demobilization notice. ~~For equipment placed on Vessel, the ISDR charges will continue till arrival of vessel at Company's Shore base for dismantling of sea-fastened equipment after issuance of Demobilization notice~~	Tender Conditions Prevail
163.	PART-IV SCHEDULE OF RATES Page 178	(iv) From the date of OIL's hand-over of vessel for spotting & sea-fastening of HF equipment till completion of sea-fastening jobs, no ISDR charges shall be paid for the HF equipment. Similarly, ISDR charges shall cease to exist from the date of arrival of the vessel at OIL's shore-base for dismantling of the sea-fastened HF equipment after issuance of demobilization notice.	~~(iv) From the date of OIL's hand-over of vessel for spotting & sea-fastening of HF equipment till completion of sea-fastening jobs, no ISDR charges shall be paid for the HF equipment. Similarly, ISDR charges shall cease to exist from the date of arrival of the vessel at OIL's shore-base for dismantling of the sea-fastened HF equipment after issuance of demobilization notice.~~	Tender Conditions Prevail

Sno	Clause No.	Clause	Query	Oil's Response
164.	PART-IV SCHEDULE OF RATES Page 179	(iii) If the Bidder's tool/equipment fails to perform, for any reason in the duration of operation, then zero rate shall become payable for the entire unit of the service until the equipment/tool is put back into operating condition or evidence by demonstration of operation in actual tests or use to the satisfaction of Company. If the equipment couldn't be brought into operation within 2 hours, then Break Down clause under Section-III; SCC Clause No: 7.2 will be applicable.	(iii) If the Bidder's tool/equipment fails to perform, for any reason in the duration of operation, then zero rate shall become payable for the entire unit of the service until the equipment/tool is put back into operating condition or evidence by demonstration of operation in actual tests or use to the satisfaction of Company. If the equipment couldn't be brought into operation within ~~2~~ **6** hours, then Break Down clause under Section-III; SCC Clause No: 7.2 will be applicable.	Tender Conditions Prevail
165.	PART-IV SCHEDULE OF RATES Page 178	**2.14Zero rates, Force Majeure Rates and Penalty** In an event wherein contractor fails to execute the hydro-fracturing operation or CT operations due to any reason attributable to the contractor, Zero rates shall be applicable for delay for those period. In addition to the Zero rates, Breakdown period x Pro rata rate per hour of equivalent ISDR of all equipment related to that particular operation and charges of mobilized personnel shall be recovered/deducted.	**2.14Zero rates, Force Majeure Rates and Penalty** In an event wherein contractor fails to execute the hydro-fracturing operation or CT operations due to any reason attributable to the contractor, Zero rates shall be applicable for delay for those period. ~~In addition to the Zero rates, Breakdown period x Pro rata rate per hour of equivalent ISDR of all equipment related to that particular operation and charges of mobilized personnel shall be recovered/deducted.~~	Tender Conditions Prevail