

Tender

for

Engineering, Procurement & Construction and Commissioning (EPCC) Services for Gas Monetization at SE#3 QPS at Manipur, Ahmedabad in Gujarat, India

[Block: CB-ONN-2002/3]

Tender: GEL/Gas Monetisation/2026-27/628

N procure: Tender Id: 309711

GUJARAT ENERGY LIMITED

Gujarat Energy Bhavan, 1st Floor, Behind Udyog Bhavan, Sector-11,
Gandhinagar - 382 010, Gujarat, India
Phone No: +91-79-66701002/66701313/1505
Fax No: +91-79-23236375

May 2026

Bid Issue date : 02.06.2026

Bid closing date : 23.06.2026 (18:30 hrs IST)



DISCLAIMER

1. All information contained in this Tender Document and all annexures, appendix, schedules, forms thereof (the “**Tender Document**”), or which information is subsequently provided, by or on behalf of Gujarat Energy Limited (the “**Company**” or “**GEL**”) is being provided to the Bidder(s) for the purpose of inviting Bids and does not constitute nor should be interpreted as an offer.
2. This Tender Document is meant to provide information only and is issued upon an express understanding and agreement that the Bidders will use it only for the purpose of preparing and submitting the Bid and for the purpose necessarily associated herewith and for no other purpose whatsoever.
3. The purpose of this Tender Document is to provide the Bidders with basic and preliminary information to assist them in the preparation of their Bids for provision of EPCC Services for Gas Monetisation Works for Onshore Blocks located in Gujarat and for no other purpose, and is not intended to form the basis of any decision on part of the Bidder(s) to proceed with the Bid.
4. The Company makes no representation or warranty, express or implied, as to the accuracy, correctness and completeness of the information contained in the Tender Document. Each Bidder must conduct its own investigation and analysis and should check the accuracy, reliability and completeness of the information and obtain independent advice in relation to the same from appropriate sources.
5. While this Tender Document has been prepared in good faith, neither the Company nor its consultants, officers or employees make any representation or warranty or shall have any responsibility or liability whatsoever in respect of any statements or omissions here from. Nothing in this Tender Document shall be construed as legal, financial or tax advice. Any liability is accordingly expressly disclaimed by the Company, its consultants, partners, Affiliates, their respective officers, agents and employees even if any loss or damage is caused by any act or omission on the part of the Company, its consultants, partners, Affiliates, their respective officers, agents or employees, whether negligent or otherwise.
6. By acceptance of this Tender Document, the Bidders agree that information contained herein supersedes document(s) or earlier information, if any, in relation to the Scope of Work. This Tender Document and any information herewith will be superseded by any later written information on the same subject made available to the recipient by or on behalf of the Company.
7. Each Bidder agrees, understands and accepts that the information contained in this Tender Document is subject to change without notice. Further, in no event, may it be assumed that there shall be no deviation or change in any of the information mentioned herein. The Company, at its own discretion, without any obligation to do so, may, update, amend or supplement any information contained in this Tender Document, including the evaluation methodology, at any time prior to the submission of the Bids.
8. Each Bidder unconditionally agrees, understands and accepts that the Company reserves the right to accept or reject any or all Bids without giving any reason. Neither the Company nor its employees or advisers shall entertain any claim of any nature, whatsoever, including without limitation, any claim seeking expenses in relation to the preparation of Bids.
9. This Tender Document has not been filed, registered or approved in any jurisdiction. Recipients of this Tender Document resident in jurisdictions outside India should inform themselves of, and observe any applicable legal requirements.
10. Each prospective Bidder must conduct its own analysis of the information contained in this Tender Document, to correct any inaccuracies therein and is advised to carry out its own investigation into the proposed opportunity, the regulatory regime which applies thereto and all matters pertinent to the proposed opportunity and to seek its own professional advice on the legal, financial, regulatory and taxation consequences of entering into any agreement or arrangement relating to the proposed opportunity.
11. The Company reserves the right at any time to alter, amend, modify, cancel and recall the Tender Document or any part of it. The Bidders shall be required to submit the Bid in relation to this Tender Document as so amended.



12. The Company is not bound to accept any or all the offers. The Company reserves the right to reject any or all the offers without assigning any reason. The Company further reserves the right to negotiate with any or all Bidders in relation to their offers. No Bidder shall have any cause of action or claim against the Company or its officers, employees, consultants, agents, successors or assignees for rejection of its offer.
13. All Bids, including any and all supporting documents submitted therewith, pursuant to this Tender Document, once submitted, shall become the property of the Company. Provided however, any intellectual property rights existing in the information contained in such Bid will remain the property of the Bidder (or other persons, as appropriate) submitting that Bid. Provided further that the Bidder shall have deemed to have licensed and authorised the Company, its officers, employees, advisers, consultants and agents to copy, adapt, disclose or to use, as the Company may deem fit, all information and material contained in the Bid for the purposes of the Bid process including, without limitation, evaluation of the Bids. For abundant caution it is hereby expressly clarified that the Company and/or its employees, officers, consultants, advisers or other representative may make such copies of the Bids as they, in their sole discretion, may require.
14. Any extension of time to be granted to any Bidder for submission of its Bid shall be at the sole discretion of the Company. Each Bidder should satisfy itself that the Tender Documents are complete in all respects. In the event that the Tender Document or any part thereof is mutilated or missing, the Bidder shall notify the Company immediately at the following address:

**Sr. VP (C&P, E&C, M&L)/AGM-C&P-Alpesh Shah
5TH Floor, South Wing, Gujarat Energy Bhavan,
Behind Udyog Bhavan, Sector-11,
Gandhinagar - 382 010, Gujarat, India**

In the event such written notice is not received at the aforementioned office within 3 days from the date of issue of the Tender Documents to the Bidder, the Tender Documents received by the Bidder shall be deemed to be complete in all respects.

15. The laws of India are applicable to this Tender Document and Courts in Gandhinagar, Gujarat, India shall have exclusive jurisdiction in relation to any disputes arising from this Tender Document.
16. Each interested person's acceptance of delivery of this Tender Document constitutes its agreement to, and acceptance of, the terms set forth in this Tender Document.

CONTENTS

Section:

- Section – I : Invitation to Bidders
- Section – II : Instruction to Bidders
- Section – III : Scope of Work & Technical Specification
- Section – IV : Rate Schedule
- Section – V : Model Contract & General Terms and Conditions

Attachment:

- Attachment 1 : Acknowledgement
- Attachment 2 : Proforma confirming No exceptions deviation taken
- Attachment 3 : Bid Bond
- Attachment 4 : Performance Bank Guarantee
- Attachment 5 : List of Banks for providing Bank Guarantee
- Attachment 6 : Bid Evaluation Criteria (Bidder's Eligibility Criteria, Technical Bid Evaluation Criteria and Commercial Evaluation Criteria)
 - Exhibit A: Checklist with Details for Submission of Documents for Bid Evaluation Criteria
- Attachment 7 : Bidder's Information
- Attachment 8 : Self declaration cum undertaking
- Attachment 9 : Self declaration cum undertaking for black listing
- Attachment 10: Pre-bid clarification
- Attachment 11- Terms and Conditions of Reverse Auction

ANNEXURES:

- Annexure 1 : Cut-Out Slip for Bid Bond

SECTION – I: INVITATION TO BIDDERS

Gujarat Energy Limited

Gujarat Energy Bhavan, 5th Floor, Behind Udyog Bhavan, Sector-11, Gandhinagar - 382 010, Gujarat, India
REQUEST FOR QUOTATION (“TENDER DOCUMENT” or “BID”)

Gujarat Energy Ltd. (hereinafter referred to as “GEL”) is an Operator in Onshore Block namely: CB-ONN-2002/3 Sanand-Miroli in Gujarat, India, under the Production Sharing Contract (PSC) with the Government of India. GEL on behalf of the consortium members of the above-mentioned Onshore block respectfully solicits your Bid for EPC Services for Gas Monetization Work for Onshore Blocks.

Outlined hereinafter, is a comprehensive Bid package that you are requested to go through carefully. Your bid must be in compliance with the requirements, specifications, and other applicable attachments, including Company’s terms and conditions. Exceptions/deviations pertaining to any of the above must be clearly asked through pre-bid clarification from Company. No exceptions/deviations, including those pertaining to Clauses affecting prices shall be entertained. Bidders must submit the “No Exceptions Deviation Form (Attachment-2) duly stamped and signed”

Evaluation of Bids for awarding the contract, while weighting price substantially, will be based on the most advantageous offer reflecting a combination of price, quality of equipment and personnel, acceptable delivery, warranty, service, and a commitment to ensure on-time delivery and quality service.

GEL reserves the right to cancel the tender process, abandon the procurement of the supply/services, or issue another tender for identical or similar supply/services or, to reject or accept, in whole or in part, any Bid, waive formalities in the bidding process, or to negotiate Contract terms with any individual firm when such is deemed by GEL to be in its best interest. GEL will be under no obligations to provide reasons for accepting or rejecting a Bid.

The Bidders Response Acknowledgment Form (as indicated in **Attachment-1**) must be completed and returned email transmission/Scanned copy within two (2) working days of receipt of Bid package. This is to alert GEL about the total number of expected responses, and to ensure that Bidders received the Bid package. If a Bidder does not intend to submit a Bid he should so state in the Bidders Response Acknowledgment (see **attachment-1**).

Tender Fee: NO TENDER FEE.

Bid Bond: Bidders are required to furnish Bid Bond for an amount as mentioned in **Attachment- 6 (bidder Qualification criteria)**. Bid Bond is required to be furnished in as per attached format, **Attachment 3**. Bid Bond shall be returned to all unsuccessful bidders within one month after completion of the tendering process.

Tender, pre-bid clarifications/corrigendum and other Tender related information shall be uploaded on the website as well as on n-procure portal on a regular basis. Bidders are required to refer to our website www.gujarat-energy.com on a regular basis for this tender.

Non-compliance with the bidding instructions, except as permitted by the Bid and/or late arrival of your Bid shall result in your Bid not being considered.

Sincerely Yours,

for Gujarat Energy Ltd.

Sd/-

Mr. Amitabh Ranjan -Sr. VP (C&P, E&C, M&L)



SECTION II

INSTRUCTIONS TO THE BIDDERS

2.1 General Instructions

- 2.1.1 **Transfer of Bidding Document:** The Bidding document is not transferable.
- 2.1.2 **Cost of Bidding:** The Bidder shall bear all costs associated with the preparation and submission of its bid, and COMPANY will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
- 2.1.3 **Validity of bid shall be 180 days from the bid closing date.**
- 2.1.4 **Language and signing of Bid:** The bid prepared by the bidder and all correspondence and documents relating to the bid exchanged by the Bidder and the Company shall be written in English Language only. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by the accurate translation of the relevant passage in English, in which case for purpose of interpretation of the bid, the translation shall prevail.
- 2.1.5 Company retains the right to modify the terms of the Bid, Model Contract or any of the sections/attachments/formats at any time prior to the Bid Due date.
- 2.1.6 Bidders must review the Technical Specifications, Scope Document and ensure that the equipment/materials/ services being offered are as per specifications and scope prescribed in this document Company retains the right to modify the terms of the Bid, Model contract or any of the sections/attachments/formats at any time. Bidder must review the Contract / Terms & Conditions before providing details on the Commercial Part as specified in this tender document. Bidders shall be deemed to have understood and taken into account all the terms and conditions prescribed in the contract.
- 2.1.7 Bidder must review the **Contract** before providing details on the Commercial Part as specified in this TENDER DOCUMENT. Bidders shall be deemed to have understood and taken into account all the terms and conditions prescribed in the contract. Any clarifications must be clarified through pre-bid clarification from the company. No exceptions/deviations, including those pertaining to Clauses affecting prices shall be entertained. Bidders must submit the “No Exceptions Deviation Form (Attachment-2) duly stamped and signed”. In case of non submission of **Attachment – 2**, it is understood that bidder has not proposed any exception/deviation and has unconditionally accepted and agreed to comply with all terms and conditions of the tender without variation or modification.
- 2.1.8 Bids from agent / agent’s representatives will not be accepted, unless backed by valid Letter of Authorization.
- 2.1.9 Bids submitted by fax will summarily be rejected.
- 2.1.10 Once a Bid is submitted no changes will be permitted to be made by the Bidder except in relation to clarifications sought by Company on the Bid.
- 2.1.11 Bidders should indicate in their proposal the legal entity which will be executing the Contract. The Bid shall be duly signed and sealed by the Executive Officer / or the Authorized Representative of the Bidder’s Organization/Company.

2.2 Specific Instructions

- 2.2.1 The Bidders Response Acknowledgment Form (as indicated in Attachment -1) must be completed and returned via Email within three (03) working days of receipt of Bid package. This is to alert Company about the total number of expected responses.
- 2.2.2 Bidders will submit the Bid form in its entirety and no alterations will be made to the form or the wording therein. The Bid form will be signed by a duly Authorized Officer or Representative of the Company/Organization.
- 2.2.3 Bidders must seek clarifications to the any query with respect to the tender document at least 5 (five) days before the Bid Due Date.
- 2.2.4 The Bidders shall make available the services/material/equipment as specified in the LOI/LOA/ Tender.
- 2.2.5 The proposal must be filled in completely and all pricing shown as required. It shall be inclusive of the cost of all associated aspects of the supply/services including but not limited to Testing,



pre-commissioning, commissioning, Witnessed Inspections, Painting, Documentation, Drawings, Data. Certification, Manuals, Instructions, Preservation and Protection Materials, or as called for in the Technical specification and Scope document etc.

2.3 Submitting of Bids

- 2.3.1 Bids shall be submitted on (n)Procure portal as per terms and conditions of this tender document.
 - Bidder is required to submit all documents for their qualification of BEC mentioned in this tender document (Attachment – 6) and upload the same along with bid on (n)Procure portal.
- 2.3.2 A two-bid system shall be followed, i.e.,
 - 1. “Technical Unpriced Bid” and**
 - 2. “Commercial Price Bid”.**

The bids has to be submitted online on (n)Procure portal as per clause-2.3.1 of ‘Instructions to Bidders’. **It is to be noted by the bidder that GEL shall accept bids through (n)Procure portal only. No physical bid shall be accepted.**

SUBMITTING OF BIDS MUST BE ONLY ONLINE THROUGH ONLINE THROUGH THE PORTAL OF – (n) CODE SOLUTIONS, A Division of Gujarat Narmada Valley Fertilizer Company Ltd.

Email: marketing@ncodesolutions.com

Web: <https://tender.nprocure.com> (TO BE OPENED IN “IEXPLORE.EXE” ONLY)

You may also contact Representative of: (n) Code Solutions: Toll Free No.7359 021 663, 7359 023 1663 for any assistance for online submission of the Bid.

Contact details: (Grievances), Email: nprocure@ncode.in

NOTE: BIDDERS WHO ARE NOT REGISTERED WITH (N) CODE SOLUTIONS MUST IMMEDIATELY VISIT THEIR WEBSITE: <https://www.nprocure.com> (to be opened in “iexpore.exe” only) AND UNDERSTAND THE PROCESS & TIME REQUIRED TO REGISTER AND IMMEDIATELY PROCEED TO REGISTER TO ENABLE THEM TO TIMELY SUBMIT THEIR BIDS.

BIDS SUBMITTED ONLINE ON THE PORTAL OF (N) CODE SOLUTIONS SHALL ONLY BE CONSIDERED.

Only Bid Bond, Demand Draft, Bank Guarantee, Authorization letter can be submitted in sealed envelopes in original on or before the due date.

2.3.3 Submission of Bid Bond:

- Bidder can exercise an option to submit the Bid Bond to GEL’s account by RTGS as per details in Attachment-6 Bid Evaluation Criteria attached hereto:

Account Name	GEL CB-ONN 2002/3 SANAND JV ACCOUNT
Account Number	57500001061647
IFSC code	HDFC0000006
Account Type	Current
Name of the Bank	HDFC Bank

- Bank charges or any other charges if any shall be payable and borne by Bidder only.
- Bidder to submit Bid Bond and the details of the transactions to be submitted by mail to Emails ID: abhishhek.kumar@gujenergy.com; manoj@gujenergy.com and copy to alpeshshah@gujenergy.com Bidder is also required to upload the copies of transactions on the portal while submitting their technical bids.



OR

- If bidder opt for submitting Bid Bond by mode of Demand Draft/Bid Bond Bank Guarantee format then physical original of the same to be couriered to the GEL office address as mentioned in Annexure-I, before the due date & time and the copies of same with details are also required to be uploaded in the Technical Bid, on the portal. Bidder is required to inform through email about the details of Bid Bond.
 - If a Bidder does not intend to submit a Bid he should so state in the Bidders Response Acknowledgment (see attachment-1). The Bid Bond, without prejudice to any other available remedies, shall be forfeited if:
 - a) The Bid is revoked during its validity period;
 - b) The prices are changed unilaterally by the Bidder after the Bid opening and during validity of the Bid,
 - c) The Bidder do not follow the instruction given in this tender document.
 - d) GEL accepts the Bidder's Bid and the Bidder refuses to accept the Work Order/Letter of Award (LOA) or fails to enter into the Contract after the Work Order/LOA is issued to such Bidder,
 - e) The successful Bidder fails to submit Performance Bank Guarantee within the period specified.
 - Any effort by the Bidder to influence Company on bid evaluation, bid comparison or Rate Contract award decision.
 - BIDDER(s) eligible for exemption from payment of bid bond, as per Government rules, shall submit any of the below mentioned certificate/proof/document, valid as on the last date of bid submission, to substantiate the eligibility for exemption along with their bid within the bid submission deadline:
 - Micro, Cottage and Small Enterprise having a registration number under -
 - Central Store Purchase Organization (CSPO) or
 - National Small Industries Corporation (NSIC)
 - Udyam Registration
 - Director General of Supply and Disposal
 - Any other specific type of firms exempted as per the Procurement Policy of Government of Gujarat.
 - Exemption cannot be availed by:
 - Firms registered as 'Medium' Enterprise under the Ministry of MSME (Udyam registration)
 - Traders/distributors/sole agent.
- 2.3.4 The "Technical Un-priced Bid" of the Bidder will be opened and evaluated first. If the offer is technically acceptable; has provisions or acceptable alternatives to the requirements specified in the Tender; and conforms to other non-commercial requirement as may be decided by Company, then the "Commercial Priced Bid" will be opened and evaluated further.
- 2.3.5 In the "Technical Unpriced Bid", the bidder to submit upload all the information/documents as per the "Bidder qualification Criteria" (**Attachment - 6**) which would include compliance with Technical Specifications and all Price information should be left blank. The Commercial part should be a comprehensive package, which should include all Price information.
- 2.3.6 Bidder must review the Contract before providing details on the Commercial Part as specified in this TENDER DOCUMENT. Bidders shall be deemed to have understood and taken into account all the terms and conditions prescribed in the contract. Any clarifications must be clarified through pre-bid clarification from the company. No exceptions/deviations, including those pertaining to Clauses affecting prices shall be entertained. Bidders must submit the "No Exceptions Deviation Form (Attachment-2) duly stamped and signed". In case of non-submission



of Attachment-2, it is understood that bidder has not proposed any exception/deviation and has unconditionally accepted and agreed to comply with all terms and conditions of the tender without variation or modification.

2.3.7 Deadline for Submission of Bids

- Envelope super scribed with **Annexure -1 Cut-Out Slip for Bid Bond** must be received by the Company at the address specified therein not later than the prescribed due date and time in the Invitation letter & Tender/RFQ document.
- **Technical bid and Commercial bid** to be uploaded in the entirety on the portal before due date & time. **(No physical documents to be submitted except for Bid Bond if submitted in the form of DD & Bank Guarantee)**
- The Company may at its discretion extend the deadline for the submission of Bids by amending the bidding documents in which case all rights and obligations of the Company & bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

2.3.8 Late Bids

Company reserves the right to reject/accept the bid submitted after the deadline for submission of bids prescribed by the company pursuant to **Clause 2.3.7**

2.3.9 Bid Validity Period

The Bidders quotation shall be valid for acceptance for a **period of 180 (One Hundred and eighty) days from the Bid Due Date**. The company, however reserves the right to seek such extensions of the validity period as may be required subject to a period of three months. In the event of extension of the validity period of the Bidders quotation, all other terms and conditions including the provisions relating to Bank Guarantee shall also continue to be valid for the period of such extension and the Bidder shall duly make efforts to ensure that this is complied with and shall bear any costs in this regard. Further in the event of negotiations initiated by the Bidder the quotation should automatically be extended for another 30 days or till the negotiations are completed and the Contract is signed. This shall be an important criteria for qualification and bids not meeting with this requirement may be summarily rejected.

2.4 Bid Bond and Technical proposal requirements: This stage shall contain the following documents as mentioned in the tender:

- Attachment 1: Acknowledgement
- Attachment 2: Proforma confirming No exceptions deviation taken
- Attachment 3: Bid Bond/ **Earnest Money Deposit (EMD)/Exemption**
For the amount & in the manner specified in the tender clause. in case of Bank Guarantee (attachment -3) submitted as EMD – BIDDER shall submit hard copy of original Bank Guarantee) with related document for exemption or RTGS/ NEFT/ details.
- In case of requesting bid bond exemption, bidder is required to provide the category in which requested exemptions along with valid documentary evidence of exemption of bid bond
- Exhibit A: Vendor registration form for New Vendor.
- Exhibit B: Self- Declaration Cum Undertaking that the Bidder shall not be on holiday list/ black-listed by GEL or any of the Group Companies of GEL.
 - In case there is/are any on-going and/or Past Litigation/Arbitration of BIDDER with, either GEL, or any of the GEL Group Companies, BIDDER shall attach/upload details/list of such Past as well as on-going Litigation/Arbitration Proceedings, which shall include the case no., date & year of filing litigation, the litigating parties, the subject matter of litigation, order(s) passed in litigation, present status of litigation, and the value of claim, if any.
 - Further, the bidder shall provide any additional details/clarifications as may be required by GEL in this regard in time bound manner.
 - In case any Partner/Director/Proprietor of BIDDER Firm is/are Relative(s) of or have any financial or business transactions with any Employee(s) of GEL, the same shall be notified/declared by the BIDDER. Further, in case such a conflict of interest arises post



completion of tendering process or during the tenure of the Contract, the same shall be intimated to GEL.

- Exhibit D: Self- Declaration Cum Undertaking regarding unconditional acceptance of the entire scope of work.
- Technical Stage shall be opened first on (n)Procure portal. In case of non-submission of required documents in Technical stage, bidder shall not be qualified for next stage and GEL reserves the right to dis-qualify such bidder.
- Pre-bid Meeting may be held if so specified on the e-tendering portal to address the queries, if any related to the Tender Documents and Scope of Supply/Work.
- A prospective Bidder requiring any information or clarification of the Tender Documents should notify at the email id abhishek.kumar@gujenergy.com manoj@gujenergy.com; alpeshshah@gujenergy.com as mentioned in the tender documents. All queries should be received at least 02 (two) working days before scheduled date of pre-bid meeting, as applicable. In case no pre-bid meeting is scheduled, the Bidder should ensure all queries should be received within 05 (five) days from the date of publishing of Tender Documents.
- Though non-attendance of the pre-bid-meeting shall not be a cause of disqualification of the Bidder, the Bidder should endeavor to attend the same.
- Any Bidder, whether or not attending the Pre-Bid Meeting, shall have no right whatsoever, to raise any queries or concerns regarding any part of the Tender documents, subsequent to meeting, or beyond the timeline specified above; and the Company shall not be liable to respond to any such communication.
- The Bidder must adhere to the Technical Specification requirements as mentioned in the RFQ / Tender and state the same in the “Technical Unpriced Bid”.
- **The Bidder shall submit in the Technical Bid - all the information / documents to support the evaluation criteria as per specified in “Attachment-6” Bid Evaluation Criteria. This part shall not contain price**
- The Bidder shall confirm in its Bid proposal that it has sufficient experience and resources for satisfactory completion of services / supply as per the Scope of work/supply, and that it will commit the resources needed to carry out the services/supply in a timely, work-man like and professional manner. The Bidder is to satisfy Company regarding the Bidder’s capabilities and experience by submitting the documents, certificates, supply records etc. as defined in the Scope of work/supply, and as required under any clause in particular.
- The Bidder shall indicate the manner in which it plans to monitor, co-ordinate, control cost and schedule performance of the services / supply.
- The location and description of Bidder’s facilities / base from where the Bidder plans to coordinate work must be indicated and should be available for inspection by Company (if required).
- The Bidder shall ensure compliance with Company’s insurance and Bank Guarantee requirements as provided in this Tender/RFQ/inquiry and proposed Contract.
- **UNPRICED PART “TECHNICAL BID” to be uploaded on (n)Procure portal only (No physical Bids to be submitted)**

2.5 Commercial Proposal Requirements.

2.5.1 Prices quoted shall be in Indian Rupees only.

2.5.2 Prices should be quoted in Price Bid conforming to the format provided therein. Prices quoted in the bid shall be firm and binding for providing / supplying of agreed services / item / quantity & providing services or any additional quantity requested by the Company from time to time during the currency of the Contract and extension thereto from the date of signing of the Contract. No price escalation shall be allowed on whatsoever grounds.

2.5.3 This part shall contain **only price details and shall be as per the Format attached.**

2.5.4 The commercial bid must be strictly in accordance with the Schedule of Rate and Format contained in the Tender.



- 2.5.5 Price bids submitted in any other format and conditional price bids will not be considered for evaluation. Prices quoted in the bid shall be firm and binding for the agreed Contract period and extensions thereof.
- 2.5.6 Price bid is required to upload on (n)procure portal with break up as per given format.
- 2.5.7 The price quoted shall be an all-inclusive price for completing the SOW in its entirety and that only GST would be extra.

NOTE:

PRICED PART “COMMERCIAL BID” to be uploaded on (n)Procure Portal (No physical Bids to be submitted)

SCHEDULE OF RATES: THE BIDDER SHALL HAVE TO SUBMIT SCHEDULE OF RATES FOR EACH LINE ITEM OF THE RATE/PRICE SCHEDULE ONLINE ON THE PORTAL ONLY.

- 2.5.8 **Performance Bank Guarantee:** The successful bidder shall furnish to GEL a Performance Bank Guarantee for **10% of the estimated Contract Value (including applicable GST)** of the Contract awarded. The Performance Bank Guarantee is required to be submitted within 21 days of issue of the LOA/Contract, whichever is earlier. The Performance Bank Guarantee shall be in the format (**Attachment-4**) provided in the RFQ/Tender, from a scheduled Nationalized Bank in India or any of the private sector Banks listed in the **Attachment-5**. Such guarantee shall not be acceptable from a mere shell/investment Company or joint venture partner/collaborator. The PBG shall be valid till 90 days beyond the Contract period & extension thereto
- 2.5.9 If the Contract is extended, the validity of the Performance Bank Guarantee must also be extended, by an equal duration. If the successful bidder does not submit the Performance Bank Guarantee as stipulated above, GEL reserves the right to cancel/terminate the award of Contract. The successful Bidder, by furnishing the Performance Guarantee, shall guarantee the performance of the Contract throughout its currency and extension thereto and shall also guarantee that the services so provided under the Contract shall be in strict conformity with the specification and scope of work. COMPANY reserve the right to invoke the performance bank guarantee for any of the following reasons including but without limitation to:
- Failure of contractor to start/commence the work as per LOI/LOA/Contract
 - If Contractor fails to perform as per the terms and conditions of the contract.
 - If Contractor fails to perform as per prescribed scope of work.
 - If Contractor fails to work in work man like manner
 - If tools, machines, parts for the providing services are not fit for the performance of work.
 - For breach of the Contract.
- 2.5.10 Bidders are required to submit the price bid/quote the price as per the format of **Section - IV “Price Schedule”**. Whether separately stated or not, the rates & prices shall be inclusive of all associated costs for performance of the tendered services.
- 2.5.11 The bidders shall also furnish the realistic mobilization / delivery schedule for all the services offered as per this Tender/RFQ/Inquiry document. Since time is of essence, the furnished mobilization / delivery schedules in line with the quoted prices shall form the basis of evaluation of the proposals/award of contract.
- 2.5.12 The bidders are required to quote as per the specifications and models requested in the tender/RFQ/Inquiry.
- 2.5.13 Price in Words & Figures: In case of any discrepancy between words and figures, the prices in words shall prevail.

2.6 Inspection

Criteria for inspection - Conformance with Specifications and test reports.

- 2.6.1 GEL shall have a right/option to get the equipment's / services to be deployed under this contract for performance of the services as per the scope of work, inspected from third party agency, as it may deem fit.



2.6.2 It shall be the Bidder's responsibility to correct any deviations from specifications found during the inspection prior to shipment/mobilization. If the deviations / damage is found upon receipt of the services / supply at site, the same should be replaced at no cost to GEL at the risk and cost of the Contractor

2.7 Payment Terms.

Compensation to the Bidder shall be made as per the prices quoted and in accordance with terms of the payments as may be finalized with Bidder and stipulated in the Contract. The Bidder shall not unduly pre-pone the delivery schedule but will adhere to the schedule as specified. In an event of pre-poned/early delivery on the part of the bidder, GEL shall not be liable to pre-pone the payment. If Bidder has any reservations to this, he should clearly specify the same. Payment will be made within one (1) month after receipt of the material/services and certified undisputed invoices from the representative of GEL and as per terms of payment for services provided/landed acceptable quantity and phase wise schedule as defined in the program.

2.8 Taxes and Duties and Approvals.

2.8.1 The Bidders shall quote their prices inclusive of any & all taxes, cess including labour cess and duties that are applicable, except Goods and Services tax (GST) which shall be paid extra at the prevailing rate. Bidder has to submit their SAC and HSN code along with technical bid. Bidder must clearly state the applicable GST rate which will be considered for evaluation and payment of invoices.

2.8.2 Any variation in Goods and Service Tax, applicable in India as promulgated by Govt. during the execution of the Rate Contract / Service Order(s) shall be adjusted on either side upon scrutiny of proof of payment. Contract shall indemnify and hold harmless GEL Group from all taxes and duties and any interest and penalties thereon. Company shall deduct withholding taxes from all payments due to the Contractor as per prevailing laws

2.8.3 Bidder shall be responsible to obtain at its own cost, all required Permits/Consents, wherever applicable and required for the performance of the Bidder's obligations under the Contract, from the Government of India/concerned State Governments, authorities or agencies or political sub-division thereof including any for exemption/concession of custom duties on material/equipment imported into India. Company will provide reasonable assistance wherever required, but all expenses related to obtaining the such Permits, Consents shall be to the Bidder's account.

2.9 Change Orders

Company shall have the right to make any changes, including additions to or deletions from the quantities originally ordered or in the specifications. The negotiated/quoted rates shall be valid & firm for period of the contract and extension thereto from LoA /Contract date or up to the completion of the contract whichever is later.

Company will issue written orders to Bidder for any changes or extra work, except in the event of an emergency which in the opinion of Company requires immediate attention, Company will be entitled to issue oral orders to the Bidder for any work required by reason of such emergency. Company shall ensure that such oral orders shall be followed up with written communication.

2.10 Delivery/Mobilization Time

The Contractor is required to complete the entire scope of design, supply, installation, testing & commissioning of all the equipments, instrumentation & electrical fixtures along with allied civil works defined for GPU in tender SOW within Eight (08) months from the date of receipt of the Contract/Service Order or from the date of mobilization notice, whichever is earlier. In the event it becomes apparent that the delivery date / mobilization date cannot be met, the Bidder shall, at its own cost, take all necessary steps to expedite the process, failing which the provisions of Liquidated damage as specified in the Contract shall be applicable.

The main focus is to achieve the objective of achieving scheduled completion as per agreed time line. The participants are expected to leverage use of proven process technology, use of Modular and Skid mounted packages for facilities and use of proven technology in construction and project management techniques to achieve the desired completion schedule.



2.11 Right to accept or reject Bids

- 2.11.1 GEL may, at its discretion, reject any Bid or all Bids received or may accept any Bid or part bid which, in GEL's sole judgment, is the most advantageous to GEL.
- 2.11.2 GEL reserves the right to reject any and all Bids or to partially award the Supply / Work or to enter into a Contract for the Scope of Supply/Work indicated in the Tender with two (2) or more Bidders to get maximum advantage to GEL.
- 2.11.3 Also GEL reserves the right to reject any or all the bids solely based upon the past unsatisfactory performance by the bidder/bidders in GEL, the opinion/ decision of GEL regarding the same being final and conclusive.

2.12 Signing of Contract / Service Order Agreement

The successful Bidder shall be required to sign a Contract (hereinafter referred to as the "Contract") as per the Contract attached herewith.

GEL reserves the right to enter into a Rate Contract for all or part of the services/ materials / equipment as specified in Tender with either one or more than one bidders to get the services / material as per the proposed exploration & production schedules of the Company

- 2.13 **Amalgamation:** The Ministry of Corporate Affairs (MCA) has, accorded the final approval to the Composite Scheme of Amalgamation and Arrangement (Scheme) and the Scheme has become effective from 01st May, 2026. Upon the Scheme becoming effective, Gujarat State Petroleum Corporation Limited (GSPC), Gujarat State Petronet Limited (GSPL) and GSPC Energy Limited (GEL) have merged into Gujarat Gas Limited (GGL). In furtherance to the Scheme becoming effective from 1st May, 2026, the required formalities for changing the name of Gujarat Gas Limited to Gujarat Energy Limited have also been completed and the name of Gujarat Gas Ltd. is now changed to Gujarat Energy Ltd.

2.14 USE OF ENGLISH LANGUAGE

All correspondence, documentation and drawings shall be in the English Language.

2.15 SERVICES/MATERIALS

All SERVICES/MATERIALS (equipment) provided/supplied must meet the requirements of the applicable codes and Technical specifications of the Technical Tender.

2.16 Contract and other terms

- GEL and or its representative reserves the right to make any changes, including additions or deletions from the quantities originally ordered or in the specifications of particular services/material and enter into a Rate Contract for the same.
- For any of the services / items as included in the Contract with the one or more Contractors, GEL may issue separate Callout / Services/ Purchase Orders for the required services/items from time to time at the rates and terms & conditions mentioned in the Contract.
- GEL may, at its discretion, reject any Bid or all Bids received or may accept any Bid or part bid which, in GEL's sole judgment, is the most advantageous to GEL.
- GEL reserves the right to split the award or to enter into a separate Contract for the Scope of work/supply indicated in the Tender/RFQ/Inquiry with two (2) or more Bidders to get maximum advantage to GEL.
- It is mandatory for successful Contractor to comply with applicable laws, including meet with the following Mandatory requirements under various laws / enactments from time to time, where applicable.

Mandatory Requirements

1. As per the Labour enactments:

Regular compliance to Minimum Wages Act, no dues to the Employees who have resigned or whose services are terminated, engaged by the contractors regarding payment of Wages, service compensation, Bonus, Gratuity, Unavailed Leave salary, Notice pay & etc.



2. Provident Fund Act:

Self certificate by the employer certified by Chartered Accountant that no dues are pending towards Payment of PF Contribution from the Employer & Employee in respect of all the employees of Service Organizations.

3. ESI Act:

Self certificate by the employer certified by Chartered Accountant that no dues of payment of ESI contribution from the Employer & Employee in respect of all the employees of Service Organizations

2.17 Confidentiality of Bidding Document

The bidding document is and shall remain the exclusive property of the GEL without any right to bidders to use them for any purpose except for the purpose of bidding. Further, it should be understood that the information therein is confidential, and that the bidding documents are therefore being furnished in the strictest confidence.

2.17.1 Notwithstanding any information and data, which may be contained in this Tender Document, the Bidder has to make independent inquiries and generally obtain its own information on all matters that may in any way affect prices, risks and obligations of the Contractor under the Contract. It will be imperative on each Bidder to, at its cost and responsibility, fully inform itself of all local conditions and factors, which may have any effect on the execution of the Works, covered under these Specifications and Tender Documents. In their own interest, the Bidders are requested to familiarize themselves with the Income-Tax Act, 1961; The Companies Act, 1956; Customs Act, 1962; Indian Boiler Regulations, Electricity Laws, Labour Laws, Goods and Service Tax Regulations, Works Contract Tax and other related acts, rules, regulations and laws prevalent in India read in conjunction with the amendments issued, if any.

2.18 Modifications and Withdrawal of Bids

1. A Bidder may not modify a Bid subsequent to its submission. No Bidder shall submit any modified price Bid subsequent to the submission of the Bid, except in circumstances specified by GEL in this regard in the Bid Document.
2. No bid shall be modified after the deadline for submission of Bids
3. The bidder is expected to examine the bidding document including all instructions, forms, terms, specifications and drawings in the bidding document. Failure to furnish all information required as per the bidding document or submission of a bid not substantially responsive to the bidding document in every respect would result in rejection of the bid.
4. No Bid shall be withdrawn in the interval between the deadline for submission of Bids and the expiration of the period of Bid validity specified by the Bidder in the Bid form.

2.19 Amendment of Bidding Document

- a) At any time prior to the deadline for submission of the bids as well as up to bid opening, GEL may, for any reason whether at its own initiative or in response to a clarification requested by the bidders, modify the bidding document by amendment duly notified in writing.
- b) The amendment shall be part of the bidding document and will be notified to all bidders who have received the bidding documents. The bidders will be required to acknowledge receipt of any such amendment to GEL within the stipulated time in writing.

2.20 Throughout these bidding documents, the terms bid and tender and their derivatives (bidder/tenderer, bid/tendered, bidding/tendering, bid documents/ tender document etc.) are synonymous.

SECTION III

SCOPE OF WORK AND SPECIFICATIONS

Engineering Procurement & Construction and Commissioning (EPCC) Services for Gas Monetisation at SE#3 Quick Production System at Manipur, Ahmedabad (CB-ONN-2002/3 Sanand Miroli Block) in Gujarat, India

1. SCOPE OF WORK & GENERAL SPECIFICATIONS:

The Bidder may visit the site locations to better understand the scope of work and get familiar with the site and working environment.

The Scope of Work for this EPCC contract shall include, in general but not limited to Project management, Surveys (Pre-Engineering surveys, Post Installation Survey etc.) Residual Basic Engineering/Process Design, Detailed Design / Engineering based on Process Package, Procurement, Supply, Fabrication, Inspection & Expediting, Transportation of all equipment/materials to the work site, Storage, Dismantling/ Modification of existing facilities (wherever applicable), Site grading & Levelling, Construction (Civil and Structural), Fabrication, Erection/Installation of equipment, Pipeline/Piping, Hook up, Painting, Insulation, Instrumentation, Electrical Works, Mechanical Completion, Hydro- testing, Testing Pre-Commissioning and Commissioning etc. as per details in the Bid package.

It is amply being made clear that this work is required to be carried out within an operating plant, i.e. a brown field project. This may entail at occasions, curtailed work hours and other restrictions being imposed, including demarcation of operational and constructional area to ensure better HSE compliances.

Given below is a detailed description of the Scope of work:

Gas Monetization Project - Scope of work for EPCC Contractor

1. Introduction

GEL (erstwhile GSPC) is Operator of CB-ONN-2002/3 Block Sanand Miroli Block in Gujarat, under the Production Sharing Contract (PSC) with the Government of India. GEL (erstwhile GSPC) has participating Interest (PI) of 55 % along with Sanron Energy Pvt. Ltd (SEPL 20%), Hindustan Petroleum Corporation Ltd, (HPCL, 15%) & Geo Global Resources (GGR, 10%) as partners for the Block.

Sanand Field Part A of Sanand Miroli Block consist of three cluster wells namely SE#3, SE#4 & SE#5. Commercial production has commenced from May 2017 through two oil producing wells namely SE#3 and SE#4 and is being managed with the established production Facility SE#3: QPS. The facility is located at Village Manipur, Taluka Daskroi, Dist. Ahmedabad, which is adjacent to Bopal/Ghuma and falls under Ahmedabad Urban Development Authority (AUDA).

- Both Oil wells produce emulsified crude oil @ 15 SCMD with (30-50)% water cut & Associated Gas -ANG @ 2700 SCMD.
- After internal consumption of around 400 SCMD ANG at Bath Heater (15MT/Hr), balance 2300-2400 SCMD of associated natural gas is flared at QPS since no consumer is available.

Subsequently, Gas discovery was made in one of the clusters well SE#5 in Oct'24. Well testing confirmed the daily production potential of non-associated Gas -NANG @ 5000 SCMD.

GEL is intended to monetize the available gas of approx. 7000 SCMD (ANG + NANG) by sale after processing in the limit of CGD parameters.

**Existing Facility:**

- The crude stabilization unit (Vertical 2-phase Separator) with HC-fluid heating system (Indirect Water Bath Heater) is in operation. Three wells are located within the boundary of the installation. The stabilized heated emulsified crude is stored in the overhead crude oil storage tank. This emulsified crude oil is sold to the customer through open tender process and being transported vide road tankers.
- During the crude stabilization process, associated/non-associated gas gets liberated. This associated Natural Gas available at QPS is sweet gas. It does not contain H₂S. CO₂ and N₂ are well within the limits. Moisture content in the outlet gas as per the report dated 24/6/20 is around 23000ppm (2.2486%v/v).
- The current process involves receipt of well fluid from the wells through a well manifold (3 fingers), routing it to the Indirect Water bath heater for heating to 55-80°C depending upon the weather condition. From the Bath-heater, the well fluid flows to two phase Separator operating at around 2-2.5 barg. The normal operating pressure of these separator is 06 barg. The separated crude oil moves under level control to the overhead storage tanks (4 nos.) whereas the separated gas under pressure control is routed to gas collection header. This separated gas flows to (a) fuel gas header and (b) sales header. Fuel gas is used in indirect bath heater, instruments and flare autoignition system and remaining gas instead of going to sales header, gets routed to an elevated flare of 11-meter height, via a flare KOD. Gas sales header is not in use.
- No produced water separation takes place at the installation, though the facility is available for its storage and disposal through road tankers.
- Water is sourced from a tube well having a capacity of 5m³/hr. water is saline, its TDS is 3000 ppm and tube well depth is 700 feet.
- Power supply to the installation is from State electricity board at the receiving DB, located adjacent to the entrance gate of the installation. The total committed electrical power supply is 110kW. Out of which 10kW is for lighting purposes. The power is consumed mainly for running SRP (25kW motor), tube well motor and lighting.
- A Fire water main ring is available conforming to the standards. 2nos. 200M³ fire water storage tanks with 2 diesel operated fire pumps of 171m³/hr along with one no. Jockey pump are available.
- Fixed HC Gas detectors are installed and are located in separator platform, bath heater area and near flare KOD respectively.
- Oily water sewerage (OWS) pits near bath heater, separators, storage tanks and loading point are available.
- All weather road is available within the installation. All street lights and facility lighting fixtures are flameproof.

2. Climatic condition

The climate is hot and semi-arid with a tropical monsoon climate. The city experiences extreme temperatures, especially during the summer months, with very dry conditions except for the monsoon season. Rainfall is concentrated during the monsoon season (June to mid-September), and the city also experiences high wind speeds particularly during the monsoon season and summer months, with the wind most often from the west for 7.0 months. The average relative humidity in Ahmedabad is around 55%.

For designing the facility following environmental parameters shall be considered

- | | |
|--------------------------|--|
| a. Location | : Village Manipur, Taluka Daskroi, Dist. Ahmedabad |
| b. Site elevation | : 55m above MSL |
| c. Avg. Max temperature | : 40°C |
| d. Avg. Min. temperature | : 13°C |
| e. Humidity | : 35% - 90% Relative Humidity |
| f. Annual avg. rainfall | : 824 mm |



- g. Basic wind load : 39 m/s
 h. Prevailing direction : The predominant wind direction is SSW.
 i. Seismic design criteria : Zone- III (Latest edition of BIS -1893)

3. Proposed Facility

The proposed gas processing facility for the **Gas Monetization Project (GMP)** shall consist of Compression, Gas dehydration, Odorization and Custody Metering along with associated utilities. This will be designed to process the gas liberated during the crude stabilization process comingled with the free gas coming from SE#5, to sales specification in line with PNGRB Act 2006 requirement, for pipe line export gas quality, to a CGD customer. The facility will be designed for a total gas processing capacity of 7000SCMD.

Minimum Plant life: The plant is to be designed for a minimum life of 20 years.

A **process Flow diagram**, a diagrammatic representation of the structure of Gas Monetization Project, illustrating physical and information flows between compartments is attached at **Annexure-1**.

4. Fluid property

a) The field gas analysis data currently available is attached below;

- i. Compositional analysis

Analysis of Natural Gas Sample	
Format No. GERM/PRW/NG/02	Issue No.01
Report No. :GERMI/PRW Lab/NG/2022/03	Date of issue : 17-10-2022
Client Name: GSPC	Location : Sanand#3 QPS (Sanand Part A Field)
Source of sample : Sanand#3 QPS	Date of Sample Collection : 22-09-2022
Pressure:2.0 kg/cm ²	Date of Sample Received: 22-09-2022

Method of Analysis: Sample analysed by NGA-Agilent 7890B GC system using DC-200 (30ft) and DC 200 (2ft) with TCD.

Compositional Data (as per ISO 6974-4:2000)

Sr. No.	Components	% Volume
1	Methane	93.976
2	Ethane	2.674
3	Propane	0.750
4	i-Butane	0.267
5	n-Butane	0.127
6	i-Pentane	0.106
7	n-Pentane	0.097
8	Hexane+	0.625
9	Carbon dioxide	0.771
10	Nitrogen	0.603

By Calculations: (as per ISO 6976:1995-Reaffirmed 2003)	
Specific Gravity (with respect to air)	0.6101
Gross Calorific Value (K Cal/Cubic meter)	9529.61
Net Calorific Value (K Cal/Cubic meter)	8600.34

Remarks: Calculations are carried out on air free basis



- ii. Dew point analysis

Certificate of Analysis TO20-006094.001

ULR No : TC684220000043020F

PRODUCT DESCRIPTION: Producing gas	GROUP : Petroleum and Products
SAMPLE SOURCE: As Supplied	LPG/Propane/Butane
SOURCE ID: NA	CLIENT ID: SE#4 & SE#3 well composite
LOCATION: AHMEDABAD	SGS ORDER N° : 3029280
SAMPLE TYPE: As submitted	SAMPLE RECEIVED: 03/07/2020
	SAMPLE ANALYSED: 22/07/2020
	SAMPLE BY: SGS
	DATE SAMPLED: 24/06/2020
PRESSURE: 2 KG TIME: 10.57 CYLINDERED NO: HYDRO 008 TC684220000043020F LPG/Propane/Butane	
SAMPLE CONTAINER	

NABL Accredited Tests

METHOD	PROPERTY	RESULT	UNITS
DISCIPLINE: Chemical	Analysis of Natural Gas by GC		
ASTM D1945-2019	Water Content - Perenco Calculated §	2.2486	% (v/v)
	(1) Dew point by dew point meter = 26.4 degC		
	2) Moisture content (Onsite) = 23000 ppm		

End of Analytical Results

- iii. The composite gas sample analysis, post crude oil stabilization is not available For the detail engineering the latest composition data of composite gas shall be utilized.

5. Working in an operating plant

The project work is to be performed within an operational oil & gas installation; therefore, contractor shall ensure all safety precautions as per OISD Guidelines and Standards and Oil Mines Regulation, 2017 but not limited to followings:

- i. Contractor shall strictly adhere to GEL’s HSE management system
- ii. Contractor to perform the work under valid “Permit to Work” protocol only.
- iii. Contractor shall deploy persons who are medically fit & furnish physical Fitness certificate from authorized medical practitioner.
- iv. Contractor to ensure use of proper PPE, HC detector etc. as per requirement of work
- v. Vessel Entry Permits to be taken before entering into any Vessel
- vi. Contractor to ensure Oxy Acetylene Cylinder Test Certificate, Hose & Gas cutter Test certificates etc. for undertaking fabrication of work.
- vii. Contractor to ensure Welding Generator Electrical Test Certificates, Cables Test Certificate are available before undertaking work.
- viii. All material handling equipment shall have valid load test certificates.
- ix. Contractor to ensure transfer of Hazardous Waste / Waste generated during work to earmarked storage place for further disposal by self.
- x. Contractor to ensure Earth moving / lifting Equipment etc. are deployed have valid certification.
- xi. Contractor shall provide adequate First Aid Kit at site. At least one personnel in Contractor’s team shall have proper First -Aid Training. Certification for the same shall be provided.



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- xii. Contractor shall deploy one dedicated HSE officer at the site during the currency of the contract.
 - xiii. Contractor shall have tie up with nearby hospitals in case medical evacuation is required.

6. Technical instruction to Contractor

- The Contractor shall furnish all the drawings, documents, load data and other information/ data like fault diagnosis, operation and maintenance manuals, general details and layout drawings, design calculations, equipment specification of plant and equipment, together with 'as built' drawings for all mechanical, electrical and instrumentation & control.
- All civil and structural works shall be carried out by the Contractor including equipment foundation, buildings, structure, shed, etc.
- The Contractor shall furnish the itemize list of spares along with price required for the operation and maintenance of the plant and equipment for a period of 60 months to be reckoned from the date of taking over of the plant and equipment. Commissioning spares shall be supplied by the Contractor
- The Contractor shall include in their scope the requirement of all resins, lubricants and all other consumables for testing, commissioning and performance guarantee tests of the plant.
- The Contractor shall include in their scope a complete new and unused one set of all special tools and tackles required for operation and maintenance of the equipment/installation supplied.
- Any work/ equipment and material which may not have been specifically mentioned in this specification but are required to make the plant complete in every respect in accordance with technical specification necessary for safe operation to meet the guaranteed performance of the plant and statutory norms shall be deemed to have been covered under the scope of this specification and shall be provided by the Contractor within the quoted price.
- The Contractor shall satisfy the Owner that they possess the necessary technical experience and have at their disposal, suitable facilities and staff to ensure that the contract shall be executed with the best quality material and workmanship within the stipulated time. Necessary particulars in this regard shall be furnished with the Tender.
- Stainless steel name plates with letters engraved in English language shall be provided by the Contractor for each of the skid mounted equipment. The name plate shall indicate make, identification number, capacity, rating & weight of equipment. The name plate shall be fitted at a prominent place in the body of each equipment with the help of stainless-steel screws.
- All documents, instruction, catalogues, brochures, pamphlets, design, data, norms & calculations, drawings, operation & maintenance manuals, reports, labels, correspondence and any other data shall be in English language and metric system.
- The plant and equipment supplied shall be new and best of their kind and of latest technology on the date. All materials and equipment shall comply with the latest Indian Standards, statutory requirements of the concerned State Governments. In absence of relevant Indian Standards/ practices, other standards which are internationally accepted, acceptable to the Owner, could be followed but the same shall be clearly indicated in the offer. Necessary certificates from the competent authorities, as applicable, shall be furnished for different equipment as supporting documents. Materials for all pressure parts and other important components shall be exhaustively listed in the tender along with chemical composition, physical properties and code reference.
- The plant and equipment shall be designed to have maximum reliability and ease of operation and maintenance as primary consideration. The plant offered shall be of a family having basic design as per which other plants have already been supplied and which have operated efficiently and reliably elsewhere.



- The Contractor shall carry out design and fabrication of skid mounted units as per latest codes & standards. To the extent possible, Skid Integration shall be ensured to reduce piping, cabling, and panel count. Suggested skid integration is to combine odorization, Turbine meters and Dew point monitoring into a single instrumentation skid etc.
- In addition to above, a smart PLC Architecture comprising of a shared PLC across compressor, GDU, and odorization, to enables centralized control and reduced panel costs shall be preferred.
- All works shall be executed as per Good International Petroleum Industry Practices (GIPIP).
- The Contractor shall offer the best and proven design of plant and the equipment which can be capable of delivering its guaranteed output continuously. Latest trends, philosophies, state of the art technology, proven, efficient and reliable equipment shall be given Preference.
- Contractor shall submit the utility consumption details and same shall be guaranteed for performance evaluation.
- All electrical equipment shall be certified and compatible as a minimum for:
 - Gas Group IIA / IIB.
 - Zone-2.
 - Meeting DGMS Electrical Safety Norms (Central Electrical Authority Safety Regulations)
 - T3 temperature rating
 - IP66 ingress protection.
- The plant and equipment shall be subjected to inspection and witnessing of shop tests by the Owner/ Consultant or the third-party agency finalized by Owner. The Contractor/ Supplier shall inform the Owner/his Consultants at least fifteen days in advance of the date when the plant and equipment shall be made available for inspection and testing. The Owner and/or his Consultant shall be given full access to the tests and testing premises and can inspect the factories and offices of the supplier or sub-vendor, if so required. After inspection and testing the Contractor shall submit all the certificates/ documents as required by the Owner /Consultant for approval before obtaining clearance for dispatch of equipment.
- For plant and equipment for which tests at works may not have been witnessed by Owner/ Consultant, the tests and quality certificates duly signed by appropriate authority acceptable to Owner shall be submitted to the Owner for approval, within one month of conducting the test and 2 weeks in advance of the dispatch.
- Inspection by the Owner or his representative shall not relieve the Contractor of his liability for rectifying any defects which may subsequently appear or be detected during or after erection and during guarantee test. After rectification, the testing of equipment shall be repeated to the satisfaction of the Owner.
- In order to enable the Owner/ Consultant to properly evaluate the tenders, the drawings /documents as indicated elsewhere of this specification shall be submitted along with the tender.
- Approval of Drawings and Documents
- The successful Contractor shall supply the following details/drawings for Owner's/ Consultant's approval and/or for use, to detail out the other connected systems/facilities not forming part of this tender, within the period of placement of order as mutually agreed and shall fit in the total implementation schedule of the project. The drawings and documents submitted for approval shall include the following:
 - i. General arrangement and detailed drawings of all equipment, plant layout showing disposition of equipment, pipelines, trenches (pipes & cables) etc. with dimensions.
 - ii. Electrical schematic drawings, P&I diagrams, elementary power and control circuit drawings and wiring and connection diagram with all relevant terminal marking cable layout and schedules.
 - iii. Piping drawings up to the plant battery limit.
 - iv. Performance, test certificates and characteristic curves of the plant and equipment.



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- v. All drawings supplied by the successful Contractor shall have name plate and drawings nos. of the Owner / Consultants. The name plate sample and drawings nos. shall be provided to the Contractor after placement of order.
 - vi. All drawings and data shall be submitted in soft copy or as agreed otherwise. After scrutiny of drawings, the Owner/ Consultant shall return one copy / set of drawings to the Contractor marked with stamp of approval as given in the following article.
 - vii. The following monograms shall be used by the Owner / Consultant and shall be stamped on each drawing and data sheet which shall be sent by the successful Contractor for approval.
 1. Approved
 2. Approved As Noted
 3. Not Approved
 4. Retained for Reference

The Contractor shall confirm their compliance with the above stamps of approval.

Drawings under category - 2&3 above shall be revised to incorporate the comments and resubmitted for final approval. All revisions shall be marked on the drawings, together with date, reference, location / area, and details of changes made. Reasons for not incorporating any of the comments made by the Owner / Consultant shall be clearly brought out to the attention of the Owner / Consultant while submitting the revised drawings.

- viii. The Contractor shall also submit to the Owner/ Consultant any other / further details /drawings of plant and equipment that may be required, in order to fully assess the design and its compliance with the specifications.
 - ix. As built drawings for the items /systems under scope of supply of the Contractor shall be prepared and furnished by the Contractor.
 - x. Final copies of drawings in 5 (five) sets along with one reproducible tracing print (RTP) and soft copy shall be submitted by the successful Contractor for Owner's reference and records.
 - xi. Approval of any drawing / document by the Owner or his representative shall not relieve the Contractor of his liability for supply of all the plant & equipment / system complete in all respect and performance of all the plant & equipment and systems to the satisfaction of the Owner.
- **Painting & Finishing**
The surface of plant & equipment shall be suitably cleaned and coated with anti – rust primer to protect against corrosion and damage during transit and transportation to the site.

Color coding schemes for the pipes and equipment at site:



Sl. No.	Description	Ground Color	First Color Band	Second Color Band
1	COMPRESSED AIR			
a)	Plant Air	Sky Blue	Silver Grey	-
b)	Instrument Air	Sea Green	Black	-
2	GASES			
a)	Charge Gas	Canary Yellow	Signal Red	Smoke Grey
b)	Regeneration Gas	Canary Yellow	White	Dark Violet
c)	Residue Gas	Canary Yellow	White	French Blue
d)	LPG	Canary Yellow	Brilliant Green	White
e)	Acetylene	Canary Yellow	Dark violet	-
	Flare Lines	Heat resistant aluminium		
f)	Fire water and Foam & Extinguisher	Post office red		
3	ALL EQUIPMENT			
a)	Vessels, Columns, exchangers, etc. containing non- hazardous fluids.	Light Grey		
b)	Base Frame/Structure	Black		
b)	All equipment containing hazardous fluids	Canary Yellow		

Identification Sign

- i) Colors of arrows shall be black or white and in contrast to the color on which they are superimposed.
- ii) Product names shall be marked at pump inlet, outlet and battery limit in a suitable size as approved by CONTRACTOR.
- iii) For pipes with a diameter of 200mm and below, the arrow size is 30mm long and 50mm wide
- iv) Colorlor Bands: Minimum width of color band shall be as per approved procedure.
- v) Whenever it is required by the CONTRACTOR to indicate that a pipeline carries a hazardous material, a hazard marking of diagonal stripes of black and golden, yellow as per IS:2379 shall be painted on the ground color.
- vi) Identification of equipment: All Tag numbers shall be stenciled in black or white on each vessel, column, equipment, and painting as per approved procedure.

▪ Packing, Dispatch, Handling & Transportation:

- i. Lifting eyes, lugs, special lifting beams etc. shall be provided with all major items to be handled during installation.
- ii. All piping and instruments supplied with the package shall be properly supported.
- iii. All equipment, pipes, valves, instruments etc. shall be suitably packed for protection against mechanical damages and climatic conditions during transit and storage. Packing and weather proofing shall be subject to approval of the Owner/ Consultant. This approval shall be general and may not be required every time for an article to be dispatched.
- iv. However, the Owner reserves the right to examine the packing for any particular consignment at supplier's/manufacturer's works before dispatch.
- v. The Supplier shall be entirely responsible for the insurance, shipment, handling and transportation of all plant & equipment, construction tools, labourers and materials including unloading at destination, transportation to site, off-loading, storing and procurement at site till erection.



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- vi. The equipment shall not be dispatched by the Contractor from the place of manufacture to the site until the equipment is inspected by the Owner or his representative and the dispatch instructions are issued by the Owner.
- Erection, Testing & Commissioning and demonstration of Process plant Performance Guarantee
 - a) All the plant and equipment, units / sub units supplied shall be erected, tested and commissioned individually as well as in integrated manner. It is the responsibility of the Successful Contractor to ensure proper installation including safe and satisfactory performance of the plant and equipment supplied by them.
 - b) During site testing and commissioning, the Supplier/Contractor shall be required to formulate and operate a safety clearance system. The details of these systems are to be approved by the Owner / Consultant.
 - c) The performance guarantee parameters of the plant shall be demonstrated by the Contractor within 01 (one) months from the date of taking over. These demonstrations shall confirm that the GPU plant can consistently produce the specified quantity and quality of dry natural gas under defined operating conditions.

7. Codes and Standards

- a) All plant and equipment supplied shall be in conformity with codes and standards as applicable and nationally/internationally acceptable for the type of equipment/system supplied. The different codes to be followed in design & manufacture and a consolidated list of codes and standard to be followed shall be submitted with the offer by the Contractor.
- b) Copies of all such codes shall be submitted with the offer as may be different from those mentioned in this specification. All codes and standards used/referred to shall be to its latest edition/version as on the date of the acceptance of the tender.
- c) All equipment as may be necessary shall conform to the provision of statutory and other regulations in force, such as Indian Explosive Act, Indian Factories Act, Indian Petroleum Act, OISD and also those of State Government.
- d) All electrical equipment supplied shall comply with the latest revision of Indian Electricity Rules and within the statutory requirement of the Government of India and State Government as regards safety, earthing and other provisions specified therein for installation and operation of electrical equipment.
- e) List of applicable codes and standards are appended below, but this may not be exhaustive



CODES & STANDARDS	DESCRIPTION
API 14C	Recommended Practice for Analysis, Design, Installation and Testing of Basic Surface Safety Systems for Offshore Production Platforms.
API RP 14E	Recommended Practice for Design and Installation of Offshore Production Platform Piping Systems
API SPEC 12J	Specification for Oil & Gas Separators.
API 520 Part I	Sizing, Selection, and Installation of Pressure-Relieving Devices in Refineries
API 520 Part II	Pressure-Relieving Devices Installation
API 521	Guide for Pressure-Relieving and Depressurizing Systems
API 526	Flanged Steel Pressure Relief Valves
ASME B 31.3	Process Piping
ASME B 31.4	Pipeline Transportation Systems for Liquid Hydrocarbons and other Liquids
ASME Sec. II	Material Specifications and Properties Parts A,B,C&D
ASME Sec. VIII Div.1	Rules for Construction of Pressure Vessels.
API 610	Centrifugal Pumps For Petroleum, Heavy Duty Chemical and Gas Industry Services
API 676	Positive Displacement Pumps- Rotary
API 618	Reciprocating Compressor for Petroleum, Petrochemical and Natural gas Industries.
OISD-STD-105	Work Permit System
OISD STD 106	Pressure Relieving and Disposal System
OISD-STD-109	Process Design and Operating Philosophies on Blow Down & sewer system
OISD-STD-113	Classification of Area for Electrical Installations at Hydrocarbon Processing & Handling Facilities
OISD-STD-114	Safe Handling of Hazardous Chemicals
OISD-GDN-115	Guidelines on Fire Fighting Equipment and Appliances in Petroleum Industry
OISD-STD-118	Layouts for Oil and Gas Installations
OISD-STD-119	Selection, Operation and Maintenance of Pumps
OISD-STD-120	Selection, Operation and Maintenance of Compressors
OISD-RP-123	Selection, Operation and Maintenance of rotary equipment components
OISD-STD-125	Inspection and Maintenance of Mechanical Seals
OISD-STD-127	Selection operation inspection and maintenance of Diesel Engines
OISD-RP-149	Design aspects for safety in electrical systems
OISD-STD-189	Standard On Fire Fighting Equipment For Drilling Rigs, Work Over Rigs and Production Installations
OISD-STD-186	Simultaneous Operations in Exploration & Production industry
OISD-STD-195	Safety in Design, Operation, Inspection and Maintenance of Hydrocarbon Gas Compressor Stations and Terminals
OISD-GDN-206	Guidelines on Safety Management System in Petroleum Industry
OISD-GDN-207	Contractor Safety
OISD-STD-226	Natural Gas Transmission Pipelines and City Gas Distribution Networks
NFPA - 15	Standard for Water Spray Fixed Systems for Fire Protection
Note	Relevant OMR 2017, PNGRB(T4S) and DGMS standards will be applicable.

8. Clarifications, Assumptions

- Any clarifications required with respect to the specification shall be clearly defined and indicated in a consolidated manner by the Contractor at one place in their offer. Clarifications given in other places shall not be entertained.
- While in general the design, manufacture and supply of the plant and equipment shall be complied with requirement and conditions stipulated in this specification, any assumption



made, to arrive at different solution/calculation, working out details as indicated in the offer, shall be clearly spelt out with justifications and brought out in the tender by the Contractor.

- c) Exclusions, Battery Limit
- d) Contractor shall clearly mention exclusions, if any and battery limit to further design by the Owner to make the system complete in all respect.

9. Detail Scope of Work and Battery Limits

A. Scope of Work

- a) Contractor's scope of work shall include design, engineering, manufacture, procurement, shop and field painting, assembly, testing at manufacturer's works, inspection, packing, transportation to site, unloading and storage, preservation, handling at site, insurance, complete installation of mechanical, electrical, instrumentation and other associated works, pre-commissioning, commissioning, testing and performance guarantee testing and handing over all plant and equipment to Owner. All civil and structural works including foundation of equipment, building, shed, etc. shall be done by the Contractor based on the approved equipment layout drawings. The plant and equipment shall be designed for safe and trouble-free continuous operation and with adequate maintenance facility as per the latest modern engineering practices. All civil and structural works shall be in the scope of Contractor.
- b) The scope shall also include obtaining all necessary approval / statutory clearances from the concerned authority / agencies. Necessary fees for the same shall also be paid by the successful Contractor till commissioning and handing over of the plant. However, Owner shall provide necessary documents, as available with them for further fulfilling the obligation by Contractor.
- c) The design, manufacture and performance of all the supplied equipment shall comply to the latest codes / standards. All equipment shall be skid mounted with the provisions of safe material handling and future expansion.
- d) The contractor shall supply a standalone and robust system.
- e) The contractor shall ensure the proper and safe access for the Operations and Maintenance (O&M) of the equipment, instruments, valves etc. supplied along with the package and demonstrate the best-in-class maintainability.

B. The scope of work shall include the following:

This tender covers the design, supply, installation, and commissioning of equipment-mechanical and electrical, piping, instrumentation and utility systems for Gas Monetization (GM) Project. All the equipment shall be designed and constructed for continuous operation, outdoor and for a minimum service life of 20 years.

The GM Plant includes:

1. Common inlet scrubber (1W)
2. Water-cooled gas compressors (2W)
3. Membrane gas dehydration units (GDU) (1W)
4. Odorization unit with accessories (1W)
5. Custody metering system (2 streams)
6. Emergency UPS system with one hour of power back up for instrumentation and control system
7. Air compressor system (1W+1S) with dryers and receiver
8. Blowdown drum assembly
9. Safety and relief system
10. Dual (HC+H₂O) Dew Point (WDP) monitoring system
11. F&G detection system
12. Lighting system
13. Electrical integration and SCADA interfacing



The detailing of individual components of the GM Project is given below:

1. Common inlet gas scrubber:

Two phase Gas Scrubber is a Vertical vessel used for separation of carryover liquid in gas. Common inlet gas scrubber shall receive natural gas from outlet of separator train. This gas shall be treated in the proposed project and the separated liquid is routed to the appropriate blowdown system.

Design Criteria

Liquid residence time	3 minutes (min) on max. liquid flow rate including surge & swell between NLL & LAL.
Turndown	10% (minimum flow shall be 10% of maximum flow)
Maximum liquid carry-over in gas	99% removal of liquid particles more than 10 microns
Particle	>10 micron
Basis of Nozzle sizing	a. Inlet nozzle momentum (ρv^2) \leq 1500 (kg/m. s ²) b. Gas outlet nozzle momentum (ρv^2) \leq 3750 (kg/m. s ²) c. Liquid Outlet nozzle velocity \leq 1 m/s

The works related to fabrication, inspection, testing, supply and pre-commissioning of scrubber are as elaborated below:

- i) Contractor shall carry out all works (including the Drawings required to be submitted by Vendor) strictly in accordance with the Issued for Construction (IFC)/Approved drawings and reference specifications/standards, drawings, documents, data sheets etc. enclosed with this tender document and instructions of Owner/Engineer-in-Charge and other provisions of Contract document.
- ii) Procurement and supply of all materials, equipment etc. as required that are included in the scope of supply of Contractor, transportation of all materials from manufacturer's works including loading, unloading, handling, storing and transportation to work site.
- iii) Hydro testing, Dewatering, flushing, drying, at Contractor's workshop in presence of Owner Owner/Owner 'Representative personnel
- iv) Painting of scrubber, saddle/skirt, piping and all associated items, as required, with paints in accordance with painting specification no. P-SPC-410 suitable for Industrial Corrosive Environment. Wherever touch up/repair of primer is required, high build epoxy zinc phosphate primer shall be used.
- v) Preparation of fabrication drawings required for the purpose of fabrication of Scrubber shall be submitted to Owner/Owner's Representative personnel for approval.
- vi) Providing pre-commissioning and commissioning assistance activities of Scrubber as per specifications enclosed including supply of all materials and manpower that are required during pre-commissioning & commissioning of Scrubber at site.
- vii) Preparation of as-built drawings, documents and project records
- viii) Preparation of detailed procedures for fabrication, testing and pre-commissioning checks.
- ix) NDT requirements shall be in accordance with ASME Code/Data Sheet. Repeat Radiography due to defective radiograph on repaired joints due to Contractor's fault and/ or additional radiography necessitated due to poor performance of Contractor's welders shall be done at Contractor's cost.

Equipment Datasheet for Common Feed gas scrubber is given at **Annexure-4**

2. Compression system

Two (2) Nos. both working non-lubricated, air cooled, reciprocating, horizontal type natural gas compressors each of capacity 3500 SCMD along with all the accessories required for the safe and



efficient operation of the equipment. This package will be vendor supplied skid mounted to meet the intended function.

Equipment data sheet of the wet gas compressor is attached at the **Annexure-3**.

Key design considerations are as follows;

- i) Frame lubrication System complete with piping and oil cooler
- ii) Cylinder packaging lubrication system including lubricator & interconnecting piping
- iii) Capacity control system
- iv) Suction KOD for each compressor
- v) Suction volume Bottle, Discharge Volume Bottle for each stage
- vi) After Cooler separator
- vii) Discharge KOD for each compressor
- viii) Drain Pot for suction pulsation dampeners
- ix) Vibration and temperature monitoring system as per applicable design codes.
- x) Suction strainer with spool piece on each process gas inlet line.
- xi) Skid or base plate for compressor & Driver (as applicable) and auxiliaries
- xii) Coupling with Coupling guards (non-sparking)
- xiii) Pulsation study
- xiv) Supply of Piping support and bracket (for vendor supplied piping) as per Pulsation study report)
- xv) Heat Exchanger (Wherever specified comprising Gas Inter cooler, Gas after cooler, Cooling system for Lube oil, as applicable).
- xvi) Interconnected piping between compressor and various consoles/heat exchangers.
- xvii) Utility piping/other auxiliary piping.
- xviii) Discharge check valve on process gas outlet line (at final discharge)
- xix) Relief Valve (for process gas)
- xx) Crank case explosion monitoring device
- xxi) Local control panel with PLC
- xxii) All emergency shutdown system shall have manual operating mode.
- xxiii) Civil foundation for all the skids, piping etc,
- xxiv) All foundation bolts, fixing bolts, anchor bolts for compressor driver, auxiliary skids, and all equipment in compressor vendor's scope.
- xxv) Testing and inspection as specified.
- xxvi) Painting
- xxvii) Set of spares for commissioning and start-up
- xxviii) Special tools and tackles
- xxix) Supply of Initial fill and subsequent requirement of lubricants for start-up, commissioning. Lubricants for Compressors. Contractor shall recommend ISO grades of various oils / grease / other lubricants during post order stage. Equivalent Indian Grades shall also be recommended by Contractor.

Equipment Datasheet for Reciprocating Compressor Unit is given at **Annexure-5**

3. Gas de-hydration system

The compressed gas shall be processed through a typical membrane de-hydration system. The de-hydration system has stringent requirement with maximum water dewpoint $<0^{\circ}\text{C}$ at pipeline pressure. This package will be vendor supplied skid mounted to meet the customer product specification. One (01) No. of capacity 7000 SCMD along with all necessary accessories and safety system shall be supplied. This package will be vendor supplied skid mounted to meet the intended function.

Key Design Considerations

- Membrane Type: Hollow fibre. This offers high selectivity and compact footprint



- Symmetric Flow Split (50:50), Each membrane unit is required to be supplied equally, i.e. 3500 SCMD per membrane GDU, to ensure uniform residence time, minimizes asymmetry in water permeation.
- Target outlet moisture level: < 150 ppmv per unit.
- Maintain 50°C feed temp $\pm 2^\circ\text{C}$ for both units—this is key for consistent dew point targeting.
- Select cartridges rated for >95% water removal at design conditions.
- Prefer multi-layered or spiral-wound membranes for maximum surface area.
- Dew point analyzers post each unit.
- Purge stream control to keep pressure differential optimal
- Safety margins in membrane thermal tolerance and capacity

Equipment Datasheet for Membrane Dehydration Unit is given at **Annexure-6**

4. Odorization system:

In order to meet the safety requirement of easy identification of leakage of gas being supplied to CGD system, an odorization system shall be incorporated. Ethyl Mercaptan on volume control basis will be used for the purpose of odorization and its dosing rate shall be maintained between 6-12ppm. A 30L capacity odorant storage unit shall be provided. Even with a max dosing rate of 12 ppm, this shall be sufficient for 100 days of requirement. This package will be vendor supplied skid mounted to meet the intended function.

Equipment Datasheet for an Odorization Unit is attached at **Annexure: 7**.

5. Custody transfer meter

The Gas delivery point will be outlet flange of Gas Supply Header with GEL gas custody meter within QPS. Processed Gas will be delivered to the buyers transfer system at the desired pressure level.

For downstream pressure control, depending upon customer requirement and expected pressure loss through the system, diaphragm type pressure control valves with downstream pressure sensor shall be provided upstream of the individual turbine type metering stream, giving due consideration to the flow conditioner and the straight-line length requirement.

During custody transfer, accuracy is of great importance to both the Owner delivering the material and the eventual recipient, when transferring a material. Applicable standards are AGA 7 / ISO 9951 / OIML R137 for Turbine flow meter. These standard lays out the criteria for the use of Turbine flow meters for Custody Transfer of Natural Gas. This package will be vendor supplied skid mounted to meet the intended function.

Equipment Datasheet for Custody Gas Flow Meter is provided at **Annexure: 8**

6. Instrument and Control System

All the work shall be carried out in accordance to the Instrument and Control design Package document No. **GERMI/DB-I&C/GSPCL/04/25-26 R-0**.

A completely new DCS, ESD and F&G system is being envisaged as the brain of running this GMP. This shall have redundancy at every level including the IO card-level. ESD and F&G PLCs shall be SIL-3 type with TMR configuration, as a minimum. DCS shall be FF-based or Fieldcom interface. All the field instruments and detectors shall be FF-type. In case, FF-type instruments are not available with more than one vendor for any category, HART-type instruments may be used with prior approval. All the PLC and DCS system shall have modern analytics capabilities and shall provide MIS reports in graphs, excel sheets and trend-analysis form. The Fire and Gas detection shall be integrated in a comprehensive F&G system and shall not act standalone. All the valve positioners shall be SMART type with integral PST capabilities. Serial-Link Communication



between LCPs and main Control Room shall be through separate Modbus module. Pre-fabricated instrument hook-ups shall be used for all PG, PT.

Filled in data sheet for each instrument tag after sizing, range selection, proper selection of materials etc. shall be Contractor's responsibility. Any necessary change required later for meeting the specification shall be done by the vendor without any price or delivery implications.

7. UPS back up, Electrical substation, distribution & switchgear and other related works:

The electrical power is currently sourced from the state electricity board. The total available capacity is 110kVA. Current utilization is around 35kW. There is no back up Emergency Generator (EG). The exact requirement of power for the new facility will be available after the engineering design is completed.

An Emergency UPS system is being proposed to ensure a safe process shutdown, in case of GSEB power failure. The total power requirement of the instrumentation and control system is expected to be around 1kVA. A power back up of 1 hour shall be ensured through the UPS system under the present scheme.

All the work shall be carried out in accordance to the Electrical design Package document No. **GERMI/DB-Elect/GSPCL/05/25-26.**

The design ambient temperature for all the electrical equipment shall be 50°C.

Codes and Standards to be complied with are:

- Permissible limits of noise level of rotating machines: IS 12065
- Code of practice for Fire Safety: IS 3034
- OSID standard on lightning protection: OISD-GDN-180

Equipment complying with other internationally accepted standards such as ASA, IEC, BS, VDE etc. will also be considered if they ensure performance and constructional features equivalent to or superior to standards listed above. In such a case, the Contractor shall clearly indicate the standard(s) adopted and also furnish a copy in English of the latest revision of the standards along with copies of all official amendments in force as on date of opening of bid. Contractor shall clearly bring out the salient features for comparison.

A. The Emergency UPS system is required to fulfil following requirements:

- i. The UPS system shall automatically come in to operation in the event of total power failure in the station.
- ii. Suitable cable glands shall be provided on the enclosure to facilitate entry of the above cables. The cable terminal box size shall be adequately dimensioned to accommodate PVC insulated, aluminum power cables of required size.
- iii. In case Contractor considers requirement of additional instrumentation, controls, safety devices and any other accessories / auxiliaries essential for safe & satisfactory operation of the equipment and to adhere the statutory requirements, they shall recommend the same along with reasons in a separate section along with his offer and include the same in his scope of supply.
- iv. Contractor shall provide all the necessary controls, meters, interlocks and alarm system for the system.

B. Installation of UPS system

- i. The installation work shall conform to Indian Electricity Act and Indian Electricity Rules as per latest amendment up to the date of issue of this specification. Any approval required from statutory authorities shall be obtained by the Contractor. Nothing in this specification shall be construed to relieve the Contractor of this responsibility.
- ii. Indoor installation shall be carried out. The installation, testing and commissioning of system shall be carried out by the Contractor strictly in accordance with the applicable Codes of practice, the manufacturer's instructions, drawings etc., and/or as directed by the Contractor.



- iii. The Contractor shall install and commission the UPS system, control panels, along with other accessories, Minor civil works like fixing of anchor bolts, grouting etc. wherever required shall be done by the Contractor.
- iv. The Contractor shall provide all tools, equipment and instruments required for installations, testing and commissioning.
- v. Following drawings/information shall be furnished with the tender:
 - General arrangement drawing of UPS system.
 - Electrical schematic diagram and characteristics of electrical equipment.
 - Single line diagram indicating make and rating of each equipment.
 - A brief write-up giving description of control and annunciation scheme and safety interlocks.
 - List of all equipment and other accessories with specification.
 - List of recommended spare parts offered.
 - List of special tools/ tackles offered.

Equipment Datasheet of UPS system is attached at **Annexure: 9**.

8. Air compressor

Air compressor of suitable capacity and all its accessories & auxiliaries along with air dryer, air receiver, pipes, fitting, valves, to meet the requirement of service as well as instrument quality air. All couplings, gears and exposed rotating parts shall be provided with adequate guards of non-sparking type. Drive belts, if used shall be antistatic type. All emergency shutdown system shall have manual operating mode.

A structured estimate of the instrument air requirement based on typical consumption rates and operating philosophies for each component in GMP scope is given below:

Instrument Air Demand Summary			
Equipment	Qty / Duty	Typical IA Demand (SCFM)	Notes
Inlet Scrubber	1	~1.5-2.0	For level control valve, pressure relief valve, and drain solenoid
Compressors	3 (2W + 1S)	~6.0-8.0 per unit	Includes suction valve, discharge valve, anti-surge, and blowdown
Membrane GDU	2 (2W)	~2.5-3.5 per unit	For inlet control valve, bypass valve, and pressure regulation
Odorisation Unit	1	~1.0-1.5	For dosing pump purge, solenoid valves, and panel pressurization
Blow Down Drum	1	~2.0-3.0	For BDV actuation, isolation valves, and vent solenoids

Estimated Total Instrument Air Requirement

- Normal Demand: ~25-30 SCFM
- Peak Demand: ~40-45 SCFM (considering simultaneous actuation + purge cycles)
- Design Margin: Add 15% contingency → ~50 SCFM

Vendor to confirm the capacity based on the instrument consumption requirements of SDV's and the control valves of the GMP. In addition to above, it needs to consider the IA requirement of existing separator train in arriving at the required capacity of the compressor package. The emergency supply duration is to be considered as 30minutes and accordingly the air receiver has to be sized. The proposed capacity of the Air compressor, as of now is 50 SCFM at 7 barg.

Equipment Datasheet of Air compressor is attached at **Annexure: 10**

9. Close blow down drum

Recovered liquid discharged from scrubbers, volume bottles, etc. shall be collected in a close blow down drum through pipelines. Necessary close blow down system shall be considered by Contractor. Vents of close blow down vessel, shall be connected to the flare header. Capacity of



condensate storage tank for 15 days shall be considered by the Contractor at full load operation of working compressors. The crude condensate vessel will be a horizontal vessel placed below finished grade level. Hold up volume of condensate vessel shall be depending upon the max liquid generation during the compression and dehydration process, considering the vessel to be 80% full and shall be sized considering emergency draining of liquid inventory from largest vessel or Maximum production rate (whichever is higher). Effluent is evacuated from CBD drum with the help of a pump. The discharge line of Close blowdown pump shall be routed to tankage. Vendor to finalize the capacity and accordingly design the system. Equipment data sheet of Close Blow down vessel is attached at **Annexure-11**

10.Safety and relief system

Safety Relief System including ESD & FSD shall be designed as per API-RP-14C. All vents & relief valves should discharge to safety and relief system comprising of vent header, flare KoD, flare header, flare tip etc.

The existing flare header is of 4" size considering back pressure of 0.2 kg/cm²g (max). The maximum velocity in flare header of the new facility shall not exceed 0.5 mach. The new flare header shall be hooked up with the existing flare header before the existing flare KOD.

Dual (HC+H₂O) Dew Point (DDP) monitoring system

Proposed system is a pipe-mounted integrated HCs and water dew point monitoring system. These should be engineered to minimize tubing runs. The Combined package is for measuring:

- Hydrocarbon Dew Point (HCDP)
- Water Dew Point (WDP) using Moisture Analyzer
- Integrated into a common Class I, Div 2 purge-rated enclosure
- Designed for outdoor, wall/pole-mounted deployment under IP66 conditions

With a single unit it should be possible to get continuous real-time dew point data. SCADA integration will maintain visibility across thresholds, with fail-safe interlocks for excursions. Ambient drift compensation and auto-recovery logic to ensure data stability during seasonal shifts.

Equipment Datasheet of DDP is attached at **Annexure: 12**

11.Other facilities

Besides the above, the following facilities/system are included in the scope of work of the Contractor:

- a) Interplant piping
- b) All structures and facilities for all production, auxiliary units, foundations for all structures and equipment, paving's, roads, drain, water supply and sanitary system and all other miscellaneous civil engineering work.
- c) All associated Electrical works.
- d) All associated Control and Instrumentation work
- e) Handling/Hoisting facilities for the various units like Gas compressor shed, Air compressor shed, etc.
- f) Effluent handling Facilities with oily water sewerage (OWS) and Contaminated Rainwater Sewer (CRWS) shall be considered for handling and routing the effluents, floor wash, etc to the existing effluent storage and disposal system.
- g) Adequate Storm drains around the new facility and routing and hook up with the existing system.
- h) All Handrails, inserts, kerb angles, bolts, cage ladders, platforms and other miscellaneous steel works.
- i) Associated fire/HC detection and mitigation system as per applicable standards and adequacy check study report, if any

12.General requirement:



- a) The contractor shall propose the procedure of all the tie in with existing system /units in such a way so that requirement of shutdown and/or process stoppage is eliminated.
- b) Contractor shall ensure the proper and safe access for the Operations and Maintenance (O&M) of the equipment, instruments, valves etc. supplied along with the package and demonstrate the best-in-class maintainability.
- c) Contractor shall note that all utilities required to operate the gas Monetization Scheme shall be made available at a single point. Contractor shall route all required piping and cabling from that point as per requirement.
- d) Adequacy check of existing Fire Protection system including fire Water Pumps, Fire Water Tanks, Fire water piping network, Hydrants & monitors, Fire Detection & Alarm System, Portable Fire extinguishers, First Aid & Safety Equipment, and if required, supplying the adequate facility and/or equipment/appliances to meet the shortfall, if any.
- e) Training at manufacturer's works for eight (08) persons of client for O&M of the equipment. Duration of training shall be seven (7) days.
- f) All piping and instruments supplied with the package shall be properly supported.
- g) Lube Oil and HSD Storage Shed
- h) Make-up / Service water system
- i) Street Lighting and Building/ Shed illumination

The above-mentioned scope is not exhaustive, and all works required to successfully complete the project shall be in the scope of the Contractor.

13.Safety studies/ analysis:

The Safety Studies as required shall be developed by the Contractor during the detailed design phase and continued into the installation and commissioning phases and Contractor shall ensure that risk mitigation is introduced at the earliest possible time. It is the intent of Owner that operational hazards be reduced to a minimum. The Contractor shall use sound engineering judgment to complete an installation that will perform the required process function without compromising this aim.

The Contractor shall develop a schedule for the completion of the Safety Studies prior to commissioning.

a) HAZID Workshops

Major Accident Events (MAEs) and their associated hazards shall be documented through Hazard Identification (HAZID) Workshops. The Contractor shall be responsible for organizing, running and documenting the HAZID process.

The key objectives of the HAZID Workshops shall be the following:

Identify MAEs that are capable of posing a serious and immediate risk to health and safety including flammable releases, toxic releases, non-process incidents, etc.

Identify the hazards that shall cause those MAEs (e.g. Process upset, equipment failure, maintenance).

Identify existing engineering or operational (e.g. Procedural) controls and measures that are included in the design for prevention or mitigation.

Identify those controls that are safety critical to the identified MAE.

The results of HAZID Workshops shall be recorded in the project Hazard Register. The Hazard Register shall be maintained throughout the project by the Contractor and shall provide a primary input to the Safety Studies as well as recording their outputs.

b) HAZOP Studies

Hazard and Operability (HAZOP) studies are valuable as a design tool and in a role of supplementing the Safety Studies. The Contractor shall be responsible for the completion of the HAZOPs and ensuring the identification of MAEs and other issues are carried from the HAZOPs to other Safety Studies. The HAZOPs shall be completed in a manner that is consistent with industry standard approach. The Contractor shall, as part of the Safety Studies Methodology, describe the HAZOP process.



Based upon review and approval of documents / calculations / drawings etc., P&IDs, Safe Charts & Equipment Layouts shall be issued for HAZOP study. The Contractor shall engage a reputed third-party agency for carrying out HAZOP study.

In the HAZOP workshop, HAZOP observations / recommendations shall be deliberated in presence of Owner's representative / Engineering Consultant. The firmed-up HAZOP recommendations shall be incorporated in relevant documents/ drawings and after their approval; P&IDs shall be issued for "Approved for Construction (AFC)".

Contractor to note that all changes/ recommendations arising due to HAZOP study shall be considered and incorporated within the scope of this project without any cost/ schedule impact. Adequate care shall be exercised when developing the modification requirement of existing installations, with special emphasis towards safety, operability and hook up with the existing system with minimum shutdown time requirements.

c) Quantitative Risk Assessment

The objective of the QRA is to assist the overall process in determining the following:

- i. Relative ranking of the identified MAEs and their contribution to the facility risk profiles.
- ii. Facility worker Individual Risk Per Annum (IRPA).
- iii. Risk posed by the facility on all worker groups through PLL.
- iv. Based on the above results, discuss the implications and major contributors to the facilities risk profile and where applicable identify potential risk reduction measures.
- v. The risk quantification process shall be based on accepted methodology (such as the development of event and fault trees).

To prepare EIA / EMP report, risk assessment reports etc. outlining preventive and control strategies for minimizing adverse impact as per EIA notifications, TORs (Terms of reference) issued by Ministry of Environment, Forests and Climate change, and the latest guidelines / amendments by MOEFCC, Govt. Of India from time to time. The EMP should include set of recommendations for air, water, noise and soil quality management, solid and hazardous waste management, conservation of wildlife and forest protection. Also, the EMP should include all aspects specified in the TORs.

14. Battery Limits

1. Natural Gas Pipeline - The battery limit of the contractor for the natural gas pipeline shall start after the upstream flange of the existing gas metering system from where the natural gas pipeline's inlet header for the compressor station shall start. The battery limit of the contractor for the natural gas pipeline shall end at the downstream flange of the gas custody metering station where the natural gas pipeline joins the CGD operator's pipeline.
2. Electrical – From existing electrical distribution system and the New UPS system to the electrical loads
3. Instrument system: Local panels with HMI integration to Integrated Control & safety system (ICSS)
4. Civil work Contractor shall seek Owner's/Consultant's approval regarding such features which are not specified in this specification but job requirements call for Owner's decision on these matters. Compliance with this specification shall not relieve Contractor of the responsibilities of furnishing equipment and accessories / auxiliaries of proper design, materials and workmanship to meet the specified start up and operating conditions. The topographical survey and geotechnical investigation are included in scope of work, as these are prerequisite to start the site grading and foundation work etc.
5. All works shall conform to the relevant specifications. The works shall conform to high standards of design, engineering and workmanship. Design and construction shall conform in every respect to all local and state regulations governing such works and to stipulations of Indian Standards unless stipulated otherwise in detail specification. The Contractor's detailed design and scope of supply shall include all components and systems, whether included in the system descriptions or not, required to provide a complete and fully functional facility. This shall



include all type of Civil work required for successful completion of scope of work of the bid document, including dismantling work of existing civil structure, if any.

The work shall be carried out according to the design/drawings to be developed by the Contractor and approved by the Contractor/ Consultant. For all buildings and structures, foundations, etc., necessary layout and details are to be developed by the Contractor keeping in view the statutory & functional requirements of the Natural Gas Compressor Station and facilities and providing enough space and access for operation, use and maintenance. Certain minimum requirements are indicated in this specification for guidance purpose only. However, the Contractor's offer shall cover the complete requirements as per the best prevailing practices and to the complete satisfaction of the Contractor.

The works covered in this section consists of collection of all site related data, conducting site investigations, Soil investigation, design, preparation of all construction drawings, supply of all labour, supervision, all materials, scaffolding, fuel, water, construction equipment, tools and plant supplies, transportation, storage, construction, fabrication, erection and testing where necessary, of all structures required for housing all equipment and civil works for all services required for the package as defined in the specification document. The Civil works shall include those required for Installation, Commissioning, testing, operation and maintenance of structure/ system required for the package.

The Contractor's detailed design and scope of supply shall include all components and systems, whether included in the system descriptions or not, required to provide a complete and fully functional facility.

All Civil Works including design, related to all facilities required for the Completeness of this Package, shall be within the scope of this package.

- i. All foundations, footings, basements, piles etc
- ii. Cable trenches, cable racks, duct banks, manhole and pipe trenches, Cable sleeper etc.
- iii. Supporting structures and platforms with access for utility pipelines, Bus ducts and other equipment.
- iv. All water supply, plumbing and sanitary works including all fixtures for sewage disposal for buildings / units / shed covered within the battery limit.
- v. Collection & disposal of industrial effluents collected from buildings / units / shed covered within the battery limit.
- vi. All necessary waterproofing, damp proofing and anticorrosive treatment with epoxy coating to all reinforced bars, structures and foundations, including underground construction.
- vii. All necessary civil works for crossing pipes/cables below for roadways and other services within the battery limit etc.
- viii. Removal of debris, micro levelling of the site, included in the scope of contract prior to completion of work.
- ix. Dismantling of structures, if any, encountered within the plant limits and disposal of it from the site as directed by the Contractor.
- x. Site clearing, dressing, levelling and grading of formation to required levels and soil compaction as necessary within the battery limits as shown in the bid drawing or as directed by Contractor.
- xi. Earthwork for buildings and equipment foundations, pile caps, pipe trenches, pits, sewers and other underground / above ground construction work. Dewatering of the underground works.
- xii. Back filling, soling and sub-grade work for all foundation, grouting, flooring, trenches, pits for all structures/equipment included in the scope.
- xiii. Encasing structural steel column bases as well as structural steel wall beams in RCC at various locations as required.



- xiv. Reinforced concrete work and PCC work in foundations, sumps, pits, trenches, tanks, all equipment and other underground structures.
- xv. Reinforced concrete work and PCC work in open foundations/pile foundation, columns, tie beams, beams, staircases, slabs frames and other substructure/superstructures.
- xvi. All masonry work in sub structure and super structure including plastering as required.
- xvii. All finishing work to flooring, walls, ceiling, false flooring and false ceiling as required.
- xviii. All finishing and painting work to masonry, concrete structures, steel works and wood works.

Road and Drain - All the roads inside the gas monetization project site shall be under the scope of the successful Contractor. The civil portion shown in the process area near the existing metering skid facility shall be in the scope of the Contractor. All the drains at this site shall be in the scope of the Contractor.

6. Responsibility Matrix:

By implementing a well-defined Responsibility Matrix, EPC projects will benefit from enhanced coordination, increased efficiency, and a higher likelihood of successful completion. To bring the clarity and to reduce ambiguity in different scope of work, the responsibility matrix for this project is as given below:

Responsibility Matrix			
S. No.	Item Description	Scope	
		Contractor	GEL
1	Design, Engineering, Supply, Installation and Commissioning of Gas Monetization Project with all Accessories and Auxiliaries.	✓	
2	Providing any technical data		✓
3	Quality control and test certificates approved by a reputed Third Party Inspector (TPI)	✓	
4	Special studies e.g. safety studies, pulsation studies, geotechnical studies etc.	✓	
5	Contractor's site office	✓	
6	All civil, mechanical, piping, electrical and instrumentation works	✓	
7	Datasheet, GA drawing, layout diagram, power and control circuit diagram, equipment test certificates etc.	✓	
8	Preparation of work plan	✓	✓
9	Liaisoning with govt authorities, e.g. DGMS/OISD.Factory inspectorate. CPCB/GPCB etc and arranging for licence /approvals as required.	✓	
10	Supply of PPE and tools and tackles required for execution of job	✓	
11	Any other related work / item required for completion of job but not specifically mentioned	✓	
12	Food and Accommodation for Contractor's personnel	✓	
13	Commissioning Report and As-built documentation	✓	

15. Inspection

The LSTK/EPCC contractor is responsible for the engineering, fabrication, installation, commissioning etc. In order to complete the project in a timely and cost effective and safe manner in accordance with a set level of quality and meeting all of the stipulated client and standard oil and gas industry requirements.



Contractor shall ensure that all equipment/items/materials shall be offered to the Company only after satisfactory inspection, QC/QA and clearance by the contractor / their representative.

As a part QC/QA requirement, Bidders are required to engage a **TPI agency** at their cost during project execution to carry out stage-wise inspection/witness and review of documents as deemed necessary.

The following are the renowned TPI available in industry shall be engaged.

1. M/s ABS Industrial Verification (India) Ltd.
 2. M/s Det Norske Veritas (DNV)
 3. M/s Bureau Veritas (India) Pvt. Ltd
- Scope of work for inspection and testing is defined through Inspection and Test Plan (ITP) as well as with Quality Assurance Plan (QAP).
 - TPI agency undertakes random inspection and review of documents at vendors place and at construction sites.
 - The third-Party Inspection scope shall in-general include all activities required for conforming compliance with bid, manufactures test certificate to validate codes and standards requirement, Bill of materials for specification check (dimension, size, make) both with reference to quality and quantity.
 - Stage-wise inspection report generated by TPI during his visit to Contractor / vendor places and at Client site is to be submitted to Contractor and Client.
 - Upon completion of project, TPI shall issue Compliance Certificate for the QPS facility.
 - GEL may also engage its own Certification Agency / depute Company Representative to review and witness, inspection activity for the important equipment.

16. **Ccompletion Period:** The project shall be delivered, complete in all respect, at site post commissioning and guarantee run within 8 months from the date of award of work or placement of LOI, whichever is earlier.

The following Basic design packages are attached at the Annexure

- 1) Basic Design Package (BDP-1): Doc No. GERMI/BDP/GSPCL/01/25-26
- 2) Basic Process design Package (BDP-2): Doc No. Doc No: GERMI/DB-Process/GSPCL/09/25-26
- 3) Design Basis Mechanical (BDP-3): Doc No. GERMI/DB-Mech/GSPCL/08/25-26:
- 4) Design Basis Instrument and Control (BDP-4): Doc No. GERMI/DB-I&C/GSPCL/04/25-26
- 5) Design Basis Electrical (BDP-5): Doc No. GERMI/DB-Elect/GSPCL/05/25-26
- 6) Design Basis Piping (BDP-6): Doc No. GERMI/BDP/GSPCL/06/25-26

The following Drawings are attached

- 1) Plot Plan (Drawing-1)
- 2) P&ID (Drawing-2)



List of Annexures

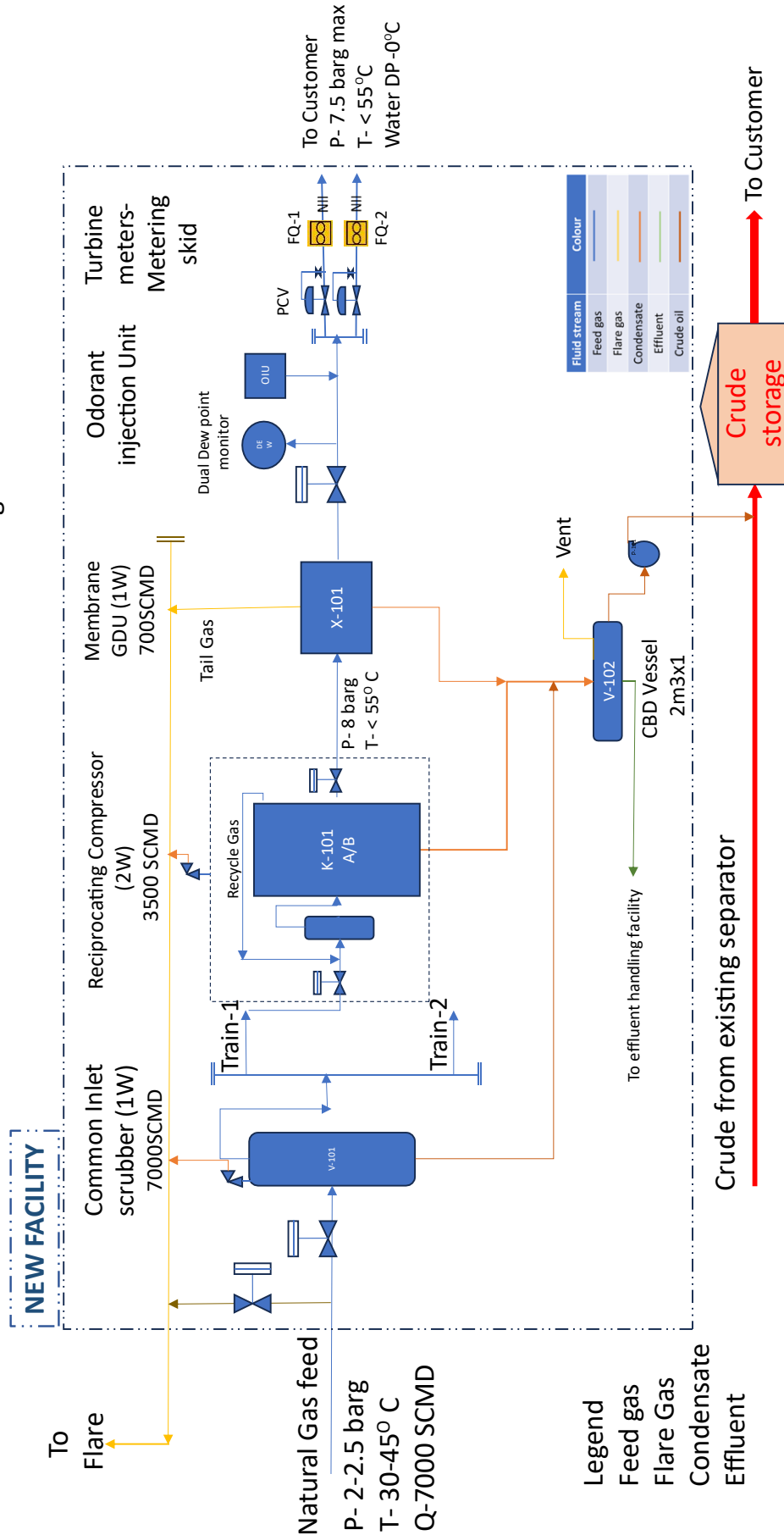
2. Annexure-1: Process Flow diagram of Gas Monetization Project
3. Annexure-2: Feed gas compositional analysis
4. Annexure-3: Feed gas Moisture content analysis
5. Annexure-4: Equipment data sheet for Common Feed gas scrubber
6. Annexure-5: Equipment data sheet for Wet Gas Reciprocating Compressor
7. Annexure-6: Equipment data sheet for Membrane type Gas Dehydration Unit
8. Annexure-7: Equipment Datasheet for Odorant dosing Unit
9. Annexure-8: Equipment Datasheet for Gas custody metering Unit
10. Annexure-9: Equipment data sheet for UPS system
11. Annexure-10: Equipment Datasheet for Air compressor Unit
12. Annexure-11: Equipment data sheet of Close blow down vessel
13. Annexure-12: Dual (HC and water) dew point (DDP) monitoring system



Annexure-1: Process Flow diagram of Gas Monetization Project

Proposed Process Flow diagram of the facility –Alternate case

Feed flow rate-7000 SCMD of natural gas



**Annexure-2: Feed gas compositional analysis**

Gujarat Energy Research and Management Institute
Ground Floor, Energy Building, PDU Campus, Raisan Village,
Gandhinagar, Gujarat-382007



Analysis of Natural Gas Sample	
Format No. GERMI/PRW/NG/02	Issue No.01
Report No. :GERMI/PRW Lab/NG/2022/03	Date of issue : 17-10-2022
Client Name: GSPC	Location : Sanand#3 QPS (Sanand Part A Field)
Source of sample : Sanand#3 QPS	Date of Sample Collection : 22-09-2022
Pressure:2.0 kg/cm ²	Date of Sample Received: 22-09-2022

Method of Analysis: Sample analysed by NGA-Agilent 7890B GC system using DC-200 (30ft) and DC 200 (2ft) with TCD.

Compositional Data (as per ISO 6974-4:2000)

Sr. No.	Components	% Volume
1	Methane	93.976
2	Ethane	2.674
3	Propane	0.750
4	i-Butane	0.267
5	n-Butane	0.127
6	i-Pentane	0.106
7	n-Pentane	0.097
8	Hexane+	0.625
9	Carbon dioxide	0.771
10	Nitrogen	0.603

By Calculations: (as per ISO 6976:1995-Reaffirmed 2003)

Specific Gravity (with respect to air)	0.6101
Gross Calorific Value (K Cal/Cubic meter)	9529.61
Net Calorific Value (K Cal/Cubic meter)	8600.34

Remarks: Calculations are carried out on air free basis

IT IS APPROVED BY COMPETENT AUTHORITY. SIGNATURE
HIDE.


Remarks:

1. ISO Standard methods have been used for analysis of Natural gas samples.
2. The test report does not indicate the quality of product or usage of product or suitability of the product or material.
3. The test related to the samples supplied by the client/agency.
4. Reproduction of this report in whole or in part by any means expect with written permission of testing Agency shall be deemed to be an infringement.
5. The report/result are not to be used for publicity.






Annexure-3: Feed gas Moisture content analysis



SGS Oil, Gas and Chemicals
 SGS HOUSE,
 A-77, WAGLE INDUSTRIAL ESTATE,
 ROAD NO 15,
 NEAR PASSPORT OFFICE,
 THANE WEST,
 400604
 email: ogcslab.thane@sgs.com



TC - 6842

Date: 22/7/2020

GUJARAT STATE PETROLEUM CORPORATION
 LIMITED
 GSPC Bhavan
 B h Udyog Bhavan Sector 11
 Gandhinagar
 Gandhinagar
 INDIA
 382010

Certificate of Analysis TO20-006094.001
 ULR No : TC684220000043020F

PRODUCT DESCRIPTION: Producing gas SAMPLE SOURCE: As Supplied SOURCE ID: NA LOCATION: AHMEDABAD SAMPLE TYPE: As submitted PRESSURE: 2 KG TIME: 10:57 CYLINDERED NO: HYDRO 008 TC684220000043020F LPG/Propane/Butane SAMPLE CONTAINER	GROUP : Petroleum and Products CLIENT ID: SE#4 & SE#3 well composite SGS ORDER N° : 3009280 SAMPLE RECEIVED: 03/07/2020 SAMPLE ANALYSED: 22/07/2020 SAMPLE BY: SGS DATE SAMPLED: 24/06/2020
--	--

NABL Accredited Tests

METHOD	PROPERTY	RESULT	UNITS
DISCIPLINE: Chemical ASTM D1945-2019	Analysis of Natural Gas by GC Water Content - Perenco Calculated § (1) Dew point by dew point meter = 26.4 degC (2) Moisture content (Onsite) = 23000 ppm	2.2486	% (w/w)

End of Analytical Results


This laboratory is accredited under ISO/IEC 17025. The results reported herein have been performed in accordance with the laboratory's term of accreditation except calibrations/tests marked with an asterisk (*) in this report which are not within the scope of accreditation for our laboratory.

This report relates specifically to the sample tested as received. All tests have been performed using the latest revision of the methods indicated, unless specifically marked otherwise on the report. The latest available issue of the test methods in our possession has been used. Precision parameters apply in the determination of the above results. Users of the data shown on this report should refer to the latest published revisions of ASTM D-3044; IP 367; ISO 4259 and Appendix E of IP Standard Methods for Analysis and Testing when utilizing the test data to determine conformance with any specification or process requirement. This report shall not be reproduced except in full, without the written approval of the laboratory.

Authorized Signatory

VJAY SANKRAL - Super User
22673220182@R00000156561

Authorized Signatory



Shivaj Salunkhe - Operation manager-Lab
Page 1 of 1

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 Member of the SGS Group (Société Générale de Surveillance)



Annexure-4: Equipment data sheet for Common Feed gas scrubber

Sheet 1/2

Common feed gas Scrubber		
1. General Equipment Information		
Field	Details	
Equipment Tag No.	V-101	
Equipment Description	Vertical Knock-Out Drum – Inlet Gas	
Project	Flare Gas Monetisation	
Location	Onshore Terminal: QPS-SE#3	
Service	Gas-Liquid Separation	
Design Life	20 years	
Package Type	Standalone Vessel / Part of Inlet Module	
Operating Philosophy	Manned / Skid Mounted	
2. Process Design Parameters		
Parameter	Value	
Design Pressure	barg	10
Operating Pressure, barg	barg	2.5
Design Temperature, °C	°C	80
Operating Temperature	°C	35
Gas Flow Rate	SCMD	7000
Liquid Rate (Condensate + H ₂ O)	m ³ /day	~2.0
Liquid Holdup Volume	Liters	~30
Vapor Velocity (Design)	m/s	≤ 0.12
Gas Molecular Weight	g/mol	~17.3
Gas Density @ OP	kg/m ³	~1.3
3. Mechanical Design Data		
Item	Details	
Vessel Orientation	Vertical	
Vessel Type	Plain Shell with Internal Demister	
Vessel Material	ASTM A516 Gr.70	
Design Code	ASME Sec VIII Div.1	
Shell Internal Diameter	~500 mm (vendor to advise)	
Tangent-to-Tangent Height	~1500 mm (vendor to advise)	
Wall Thickness (Excl. CA)	To be determined (vendor to advise)	
Corrosion Allowance	3 mm	
Support Type	Skirt with Base Ring	
Insulation Requirement	No (unless specified for ambient control)	
Demister Pad	SS Mesh – 98% Efficiency, removable	
Manhole Type	18" round, Side Access	
4. Nozzles & Connections		
Nozzle Description	Size & Type	Service Notes
Inlet	2" RF Flanged	Tangential entry with flow distributor
Gas Outlet	2" RF Flanged	Top-mounted outlet with isolation valve
Liquid Outlet	1½" RF Flanged	To condensate collection header
Drain	1" NPT	Manual drain with blind flange
Vent / PSV	1" RF Flanged	PSV set at 5 barg
Instrument Ports	¾" NPT	LT, PT, LI, LSL, LSHH
Spare / Utility Nozzles	1" NPT (Optional)	For future instrumentation or sampling
5. Inspection & Testing Requirements		
Test / Inspection	Standard / Spec	Acceptance Criteria
Hydrostatic Pressure Test	ASME Sec VIII Div.1	1.5 x Design Pressure
Radiographic Testing (RT)	Shell & Head Butt Welds	100% coverage
Ultrasonic / Magnetic Tests	Fillet Welds and Attachments	ASME Sec V guidelines
Liquid Penetrant (LPT)	Internal Support Welds	No surface defects
Visual Inspection (VT)	Final Assembly	Full traceability and documentation
Weld Audit	ASME B31.3 / AWS D1.1	All critical joints to comply
Demister Drop Test (Factory)	Vendor Standard	≥98% droplet removal (>5µ size)
6. Surface Preparation & Painting		
Area	Surface Prep Method	Paint System
External (Carbon Steel)	SA 2.5 Blast Clean	Epoxy Primer + PU Topcoat: DFT 100–125 microns total
Internal (Condensate Zone)	Degreased, Etched	Epoxy Lining – Corrosion Resistant: DFT~200 microns
Skirt / Base Ring	Red Oxide Primer	Optional PU Topcoat if exposed
Nameplate & Tag Zone	Etched Surface	Stainless Steel or Anodized Aluminum Plate

**Annexure-4: Continued. Sheet 2/2**

7. Instrumentation Requirements		
Instrument Tag	Description	Mounting Location
PI-101	Pressure Indicator	Shell Top
PT-101	Pressure Transmitter	Shell Top
LI-101	Level Indicator (Sight Glass)	Boot / Liquid Zone
LT-101	Level Transmitter	Boot
LV-101	Level Control Valve	Liquid Outlet
LSHH-101	High Level Switch	Boot
LSLL-101	Low Level Switch	Boot
TI-101	Temperature Indicator	Shell Wall / Nozzle Zone
PSV-101	Pressure Safety Valve	Vent / PSV Nozzle
8. Vendor Documentation Requirements		
Submission deliverables to include:		
General Arrangement (GA) Drawing with weld mapping		
Material Test Certificates (MTC) for pressure parts		
NDE Reports (RT, UT, MPT, LPT) with traceable references		
Hydrotest Chart , signed and stamped		
Paint DFT Measurement Logs with preparation photos		
Dimensional Inspection Report (with tolerance checks)		
Instrument Calibration Certificates		
Nameplate Stamp Photographs		
Operation & Maintenance Manual (if part of skid package)		
Data Book Index + Soft Copy on labeled USB drive		



Annexure-5: Equipment Datasheet for Reciprocating Compressor Unit

Data Sheet for wet gas compressor package			
Sl. No.	Parameter	Unit	Specification
A	General		
1	Project Name		Flare Gas Monetisation - QPS-SE#3
2	Location		Gujarat India
3	Operating Mode		Continuous
4	Number of units		2 (Both working)
B	Process Conditions		
	Fluid		Wet natural Gas
	Mol. Wt.		17.2-17.64
	Sp. Gravity		0.59 - 0.61
	CH4	Vol %	> 91%
	CO ₂	Vol %	0.754%
	H ₂ S	Mole %	NIL
	N ₂	Mole %	0.589
	Moisture content		23000ppm (~2.25% by volume)
	Moisture in compressor outlet	mg/m ₃	Vendor to provide
	Flow rate-max	SCMD	3500
		Bar(g)	2.5 barg
	Inlet Temperature		16 - 45 °C
	Discharge Pressure	Max	8.0 barg
	Discharge Temp. after aftercooler	Max	<55°C
C	Compressor System Requirements		
	Type		Reciprocating: non-lubricated
	Driver		Electrical, 415 V, 3-phase, 50 Hz, Induction Motor (VFD), dV/dt or sine wave filter. VFD start/stop, speed control via PLC or HMI
	Control System		Local PLC + HMI.
	Comms Protocol		Modbus TCP/IP or RS-485
	Instrumentation		Pressure, temp, vibration, as per applicable standards
	Safety Systems		Full ESD with trip logic
	Duty Factor		Continuous (S1)
	Enclosure (if outdoor)		TEFC / IP55
D	Mechanical & Utility Requirements		
	Package		Skid mounted, with its local PLC. Inlet KOD , intercoolers, after cooler, outlet scrubber etc. Integrated auto-drain system. Suitable control system to divert gas to plant blow down system based on safety and process requirement.
			Skid mounted with lifting lugs and supports. Motor driven as per applicable hazardous area classification. Provision for earthing connections.
	Metering system		Yes
	Design Code		API 618 / ISO 13631/applicable code/ PNGRB/OISD
	Acoustic control		Noise <85dB(A) at 1m
	Materials, Corrosion Allowance, Coating etc.		As per Manufacturer's recommendation
	Weight	tonne	Vendor to provide
	Foot print size	m X m	Vendor to provide
	Hazardous area classification		Zone 2 Gas Group IIA / IIB
F	Deliverables Requested		
1	Process Flow Diagram (PFD) and P&ID		
2	General Arrangement Drawing (GA)		
3	Utility Consumption Summary		
4	Compliance with ASME / ATEX / IEC		



Annexure-6: Equipment Datasheet for a Membrane type Gas Dehydration Unit

Data Sheet for Membrane type Gas Dehydration package		
Sl. No.	Parameter	Specification
A	General Information	
1	Project Name	Flare Gas Monetisation - QPS-SE#3
2	Location	Ahmedabad, India
3	Service	Natural Gas Dehydration
4	Operating Mode	Continuous
5	Design Standard	ASME / IEC / ATEX / OISD (as applicable)
6	Hazardous area classification	Zone 2 Gas Group IIA / IIB
B	Process Conditions	
1	Gas Flow Rate	500–7,000 SCMD
2	Inlet Pressure	8.0 bar(g)
3	Inlet Temperature	≤55°C (post-compression cooling)
4	Gas Composition - feed to compressor	~92% CH ₄ , 2.25% H ₂ O (v/v), traces of CO ₂
5	Outlet Pressure	≥7.0 bar(g) (allowing for membrane ΔP)
C	Dehydration System Requirements	
1	Dehydration Type	Hollow-fiber membrane separation
2	Membrane Type	Vendor to specify
3	Dew Point Target	≤ -10°C at outlet
4	Required Hydrocarbon Dew Point	≤ 0°C (at pipeline pressure i.e.≥7.0 bar(g))
5	Required water Dew Point	≤ 0°C (at pipeline pressure i.e.≥7.0 bar(g))
6	Permissible inerts	08 mole % max
7	Permissible CO ₂	06 mole % max
8	Hydrocarbon Losses	≤3% (tail gas to be vented/recycled, vendor to specify). If tail gas is to be recycled, vendor to indicate required backpressure tolerance.
9	Tail Gas Handling	Recycle to compressor inlet KOD at 2 barg, preferred
10	Turndown Capability	≥14:1 (from 500 to 7,0500 SCMD)
11	No of units	1, Capacity 7,000 SCMD
D	Mechanical & Utility Requirements	
1	Electrical Power-kW	Vendor to specify load
2	Fuel Gas	Not required
3	Cooling Water	Not required
4	Instrument Air (6-7 barg)	Vendor to specify load
5	Materials of Construction	SS316L or coated CS (for wetted parts)
6	Corrosion Allowance, Coating etc.	As per Manufacturer's recommendation
7	Design Life	≥20 years
8	Skid Dimensions (mxmxm)	Vendor to specify (compact modular preferred)
9	Weight -MT	Vendor to specify
E	Control System	
1	Control System	Local PLC + HMI
2	Comms Protocol	Modbus TCP/IP or RS-485
3	Instrumentation	Pressure, temp, dew point etc. as per applicable standards
4	Safety Systems	Full ESD with trip logic
5	Noise & Emission	Compliance with CPCB-II noise and emissions norms.
F	Deliverables Requested	
1	Process Flow Diagram (PFD) and P&ID	
2	General Arrangement Drawing (GA)	
3	Utility Consumption Summary	
4	Membrane Module Datasheets	
5	Tail Gas Handling Details	
6	Process Guarantee	Vendor to provide guaranteed outlet dew point and total hydrocarbon loss at rated flow conditions.
7	Compliance with ASME / ATEX / IEC	



Annexure-7: Equipment Datasheet for an Odorant Dosing Unit

Data Sheet of Odorant dosing unit		
Sl. No.	Requirement	Technical
1	Process data	
	Fluid	Dehydrated natural gas for CGD usage
	Flow rate of gas	0-7000 SCMD
	Line Size and ANSI class	4" x 150 ANSI class
	Operating pressure at dozing point	8.0 barg max
	Design pressure at dozing point	17.9 barg
2	Operating Principle	Microprocessor based programmable, Pressure Injection System / Automatic dosing system with Solenoid operated pump (Electrical / pneumatic system; not to be actuated by Natural Gas)
	Quantity of Odorant injection	Adjusted automatically proportional to flow rate through 4 - 20 mA or Pulse signal or serial communication (Modbus protocol) data from Metering Device/ Flow computers / EVC.
4	Temperature	System should be suitable for installation in open atmospheric Conditions at ambient temp. of 0-50°C; Design 65 °C
5	Odorant Injection Rate	6-12 ppm. The use of odorant to be monitored using On-line dosing / monitoring system.
6	Gas Odorant	(Ethyl Mercaptane / TBM+THT blends / THT/ TBM+IPM blends / 75-80 % TBM (Tert-Butyl Mercaptan) + 20-25 % MES (Methyl Ethyl Sulphide)
7	Power Supply	230 VAC +-10 %, 50Hz±3% UPS at one point in electrical feeder
8	Pneumatic Panel with Cabinet	Suitable to be installed in hazardous area, WP IP 54 with safe Venting system, safety protection and Warning Instructions.
9	Electrical components,	JBs in Hazardous Area Eexd IIC T4 Explosion Proof / Intrinsically Safe
10	Hazardous area classification	Zone 2 Gas Group IIA / IIB
11	No. of Injection pumps	2 (one working & one stand by)
12	Electronic Control Unit	Installed in safe area, with two RS 232 communication port, Printer port & provision for remote connectivity & must be lockable.
	Software	Software to configure the odorizing system. Battery back up to retain configuration data due to power failure.
	Protection class	IP 54 (Min) / NEMA4
	Display	Back lit Alphanumeric LCD display / LED display
	Operating Modes	Manual / Automatic / Washing / Off
13	Storage Tank (Min SS304)	The container with safe venting system, Level Transmitter with gauge / level Switch and SS flame arresters and Warning & safety Instructions. Capacity 70L
14	Emergency Provision.	To be provided to automatically continue odorization if main odorizing system stops due to power / control unit failure.
15	System Features	In case of power /control unit failure, system to continue dosing at constant flow rate, till the power supply resumes.
16	Filling of Odorant	Manually by pump & storage drum
17	Deliverables Requested	Process Flow Diagram (PFD) and P&ID
		General Arrangement Drawing (GA)
		Utility Consumption Summary
		Compliance with ASME / ATEX / IEC
18	Delivery Schedule	12 weeks from PO placement – vendor to confirm possible delivery schedule.



Annexure-8: Equipment Datasheet for Custody transfer Meter Unit

Data Sheet: Custody Transfer Turbine Metering System	
Application	
Service:	Custody transfer of dry natural gas
Flow Rate:	7000 SCMD (~291.7 SCMH)
Operating Pressure:	8 barg max
Line Size:	2" ANSI 150# piping
Quantity	2 nos.
Technical Specifications	
Parameter	Specification
Meter Type	Turbine Flow Meter – Custody Grade
Model	TM0200-F150 or equivalent
Size & Rating	2" NB, ANSI 150# RF Flanged
Flow Range	150–400 SCMH (5.0–13.3 SCFM)
Accuracy	±1% of reading
Repeatability	±0.1%
Linearity	±0.5% over calibrated range
Body Material	SS316 / CD4MCu
Rotor Material	SS316 / CD4MCu
Bearings	Tungsten Carbide
Output Signal	High-frequency pulse (dual coil optional)
Temperature Range	-20°C to +60°C
Pressure Rating	Up to 19 barg (suitable for 150# flange)
Straight Lengths	10D upstream, 5D downstream (as per AGA 7)
Certifications	OIML R137, MID, ISO 5168, PNGRB compliant
Calibration	NABL traceable, 5-point calibration certificate
Accessories	Flow conditioner, isolation valves, pressure tap, local display
Mounting Orientation	Horizontal
Warranty	Minimum 2 years
Flow Conditioning Requirement	
Parameter	Specification
Flow Straightener Type	Tube bundle / honeycomb / perforated plate (vendor selectable)
Material	SS304 / SS316
Installation Location	Upstream of turbine meter (integrated or standalone)
Compliance	AGA 7 / ISO 9951 / OIML R137
Meter Run Requirement	10D upstream, 5D downstream OR certified flow conditioner
Documentation Requirements	
Technical data sheet	
NABL calibration certificate	
Installation and O&M manual	
Warranty statement	
Compliance certificates (OIML, MID, ISO)	
FAT report (if applicable)	

**Annexure-9: Equipment data sheet for 01kVA UPS system****Data Sheet: 1 kVA UPS with 1-Hour Backup**

Technical Specifications	
Parameter	Specification
UPS Type	Online Double Conversion / Line Interactive (as per site criticality)
Capacity	1000 VA / 800 W
Input Voltage Range	140–300 VAC
Input Frequency	50 Hz \pm 10%
Output Voltage	230 VAC \pm 1%
Output Frequency	50 Hz \pm 0.1 Hz
Waveform	Pure Sine Wave
Battery Type	SMF VRLA / Lithium-Ion (optional)
Battery Configuration	2 \times 12V, 26–42 Ah (for 1-hour backup @ 800W load)
Backup Duration	Minimum 60 minutes @ full rated load
Recharge Time	< 6 hours to 90%
Efficiency	> 90% (Online Mode), > 95% (ECO Mode)
Communication Ports	RS-232 / USB / SNMP (optional)
Indicators	LCD Display for Input/Output/Battery Status
Protection Features	Overload, Short Circuit, Battery Low, Surge Protection
Audible Alarms	Battery Low, Overload, Fault
Certifications	CE, RoHS, ISO 9001, ISO 14001, BIS
Operating Temperature	0°C to 45°C
Humidity	0–95% RH non-condensing
Installation	Indoor
Mounting	Rackmount 2U / Tower (as per site layout)
Warranty	Minimum 2 years

**Annexure-10: Equipment Datasheet for Air compressor Unit**

Instrument Air Compressor Package		
Sl. No.	Description	Parameters
1	Screw Compressor	
1.1	Type	Oil free, Rotary Screw Compressor, Air cooled, skid mounted
1.2	Type of Drive	Electric Motor, IE3 efficiency, TEFC, IP55, Class F insulation
1.3	Starter	Star Delta, VFD (optional)
1.4	Control Philosophy	Load /unload logic with auto switch over
1.5	Noise level	<75dBA @1 meter
1.6	Enclosure	Powder coated accoustic canopy
1.7	Service	Instrument Air
1.8	Applicable Standard	API 619 / IS 6206
1.9	Number Required	2X100% (1 - operating, 1 - standby)
1.10	Location	Outdoor
1.11	Operation	Continuous
1.12	Capacity	85 Nm ³ /hr each
1.13	Suction Pressure & Temperature	Ambient
1.14	Discharge Pressure at compressor package outlet (after air receiver)	7.5 kg/cm ² g
1.15	Design Pressure	12.5 kg/cm ² g
1.16	Design Temperature	85°C
1.18	Method of capacity control at constant speed	Auto Dual control
2	Air dryer	
2.1	Type	Twin tower dessicant dryer
2.2	Air dryer quantity	2 Nos. (1 working + 1 standby)
2.3	Regeneration	Heatless adsorption type (Desiccant)
2.4	Pre-filter	1 microne particulate + coalsing
2.5	After-filter	0.01micron oil removal
2.6	Design capacity	≥ 85 Nm ³ /hr (@ Dryer inlet)
2.7	Operating pressure	6.8 – 8.8 kg/cm ² g
2.8	Design pressure	12.5 kg/cm ² g
2.9	Outlet air dew point	(Minus) 40°C at atmospheric pressure
2.10	Applicable Design code	IS 11989
2.11	Drain type	Electronic Auto drain with fail safe bypass
3	Instrument Air Receiver	
3.1	Location	Outdoor
3.2	Quantity	1 No.
3.3	Capacity (standby autonomy mode)	30 minutes
3.4	Type	Vertical, ASME SEC VIII DIV-1
3.5	Operating Pressure	6.5 – 8.5 kg/cm ² g
3.6	Design Pressure	10 kg/cm ² g
3.7	Accessories	Safety valve
		Pressure gauge
		Manual drain valve
		Level Indicator (optional)
4	Deliverables Requested	Process Flow Diagram (PFD) and P&ID
4.1		General Arrangement Drawing (GA)
4.2		Utility Consumption Summary
4.3		Compliance with ASME / ATEX / IEC
4.4	Process Guarantee	Vendor to provide guaranteed outlet dew point



Annexure-11: Equipment data sheet for Close Blowdown Vessel

Sheet 1/2

Close Blow down drum V-102		
1. General Equipment Information		
Field	Details	
Equipment Tag No.	V-102	
Equipment Description	Horizontal Blow down drum	
Project	Flare Gas Monetisation	
Location	Onshore Terminal: QPS-SE#3	
Service	Water-HC liquid Separation	
Design Life	20 years	
Package Type	Standalone Vessel	
Operating Philosophy	Manned / Skid Mounted	
2. Process Design Parameters		
Parameter	Value	
Design Pressure	barg	10
Operating Pressure, barg	barg	Atm
Design Temperature, °C	°C	80
Operating Temperature	°C	45
Liquid Rate (Condensate + H ₂ O)	m ³ /day	~3.0
Liquid Holdup Volume	Liters	~500
Liquid density	Kg/m ³	700-1100
Liquid viscosity	cP	0.6-1.2
Corrosion/erosion due to		CO ₂ (0.8%v/v)
Vapor space		HC
Gas Molecular Weight		18-19
Gas Compressibility		0.745-0.843
Flammable/explosive/toxic		Yes/Yes/Yes
3. Mechanical Design Data		
Item	Details	
Vessel Orientation	Horizontal	
Vessel Type	Plain Shell with Internal vortex breaker and weir	
Vessel Material	ASTM A516 Gr.70	
Design Code	ASME Sec VIII Div.1	
Shell Internal Diameter	~750 mm (vendor to advise)	
Tangent-to-Tangent Height	~2000 mm (vendor to advise)	
Wall Thickness (Excl. CA)	To be determined (vendor to advise)	
Corrosion Allowance	6 mm	
Support Type	skid mounted	
Insulation Requirement	No (unless specified for ambient control)	
Demister Pad	SS Mesh – 98% Efficiency, removable	
Manhole Type	as applicable, top Access	
4. Nozzles & Connections		
Nozzle Description	Size & Type	Service Notes
Inlet	2" RF Flanged	Top entry, Inlet pipe up to bottom to avoid splash
Gas Outlet	2" RF Flanged	Top-mounted outlet with isolation valve. Optional tie-in to flare
Liquid Outlet	1½" RF Flanged	transfer pump to oil/effluent header
Drain	1½" RF Flanged	Manual drain with blind flange
Vent	1" RF Flanged	With goose neck and flame arrester
Instrument Ports	¾" NPT	LT, PT, LI, LSL, LSHH
Spare / Utility Nozzles	1" NPT (Optional)	For future instrumentation or sampling
5. Inspection & Testing Requirements		
Test / Inspection	Standard / Spec	Acceptance Criteria
Hydrostatic Pressure Test	ASME Sec VIII Div.1	1.5 x Design Pressure
Radiographic Testing (RT)	Shell & Head Butt Welds	100% coverage
Ultrasonic / Magnetic Tests	Fillet Welds and Attachments	ASME Sec V guidelines
Liquid Penetrant (LPT)	Internal Support Welds	No surface defects
Visual Inspection (VT)	Final Assembly	Full traceability and documentation
Weld Audit	ASME B31.3 / AWS D1.1	All critical joints to comply
Demister Drop Test (Factory)	Vendor Standard	≥98% droplet removal (>5µ size)

**Annexure-11:** Continued. Sheet 2/2

6. Surface Preparation & Painting		
Area	Surface Prep Method	Paint System
External (Carbon Steel)	SA 2.5 Blast Clean	Epoxy Primer + PU Topcoat: DFT 100–125 microns total
Internal (Condensate Zone)	Degreased, Etched	Epoxy Lining – Corrosion Resistant: DFT~200 microns
Skid	Red Oxide Primer	Optional PU Topcoat if exposed
Nameplate & Tag Zone	Etched Surface	Stainless Steel or Anodized Aluminum Plate
7. Instrumentation Requirements		
Instrument Tag	Description	Mounting Location
PI-101	Pressure Indicator	Shell Top
LI-101	Level Indicator (Sight Glass)	Liquid Zone
LT-101	Level Transmitter	Liquid Zone
LV-101	Level Control Valve	Liquid Outlet
LSHH-101	High Level Switch	Liquid Zone
LSLL-101	Low Level Switch	Liquid Zone
TI-101	Temperature Indicator	Shell Wall / Nozzle Zone
8. Vendor Documentation Requirements		
Submission deliverables to include:		
General Arrangement (GA) Drawing with weld mapping		
Material Test Certificates (MTC) for pressure parts		
NDE Reports (RT, UT, MPT, LPT) with traceable references		
Hydrotest Chart , signed and stamped		
Paint DFT Measurement Logs with preparation photos		
Dimensional Inspection Report (with tolerance checks)		
Instrument Calibration Certificates		
Nameplate Stamp Photographs		
Operation & Maintenance Manual (if part of skid package)		
Data Book Index + Soft Copy on labeled USB drive		

**Annexure-12: Dual Dew point monitoring system**

Data Sheet: Online Dual Dew Point Monitoring System	
Technical Specifications	
Parameter	Specification
Measurement Type	Simultaneous Hydrocarbon & Water Dew Point
Measurement Range	-100°C to +20°C dew point
Accuracy	±2°C dew point
Sensor Technology	Chilled Mirror / Shaw / Thin Film Polymer (vendor selectable)
Response Time	< 5 minutes
Process Pressure	Up to 137 barg (2000 psi) – suitable for 150# piping
Sample Flow Rate	0.1 to 2.0 SCFH
Output Signals	4–20 mA, Modbus RTU (RS485), 2 programmable relay alarms
Display	LCD / Alphanumeric with dew point, moisture content, and alarm status
Power Supply	100–240 VAC, 50/60 Hz or 24 VDC (site-specific)
Mounting	Panel / Wall / Skid-integrated
Enclosure	IP65 / Flameproof (optional for hazardous area)
Calibration	13-point traceable calibration (e.g., -100°C to +20°C), NIST/ISO traceable
Operating Temperature	0°C to 55°C
Compliance Certificates	CE, ATEX, IECEx, ISO 9001, Zone 2 IIC T3
Warranty	Minimum 2 years
Sensor Life Guarantee	Minimum 2-year warranty with expected operational life
Technical Data Sheet	Detailed specifications of analyzer, sensor type, range, accuracy
Installation Manual	Step-by-step guide for mounting, wiring, and commissioning
Operation & Maintenance Manual	Instructions for routine checks, calibration, and troubleshooting
Sample Handling System Layout	P&ID or schematic showing flow cell, isolation valves, gauges, etc.
Software Interface Guide	For Modbus/RS485 integration, SCADA compatibility
Factory Acceptance Test (FAT) Report	



Section-IV Price Schedule

Engineering Procurement & Construction Services for Gas Monetisation at SE#3 Quick Production System at Manipur, Ahmedabad (CB-ONN-2002/3 Sanand Miroli Block) in Gujarat, India

Sr. No	Description	Unit	Qty	Unit Rate (Rs.)	Total Amount (Rs.)
1	SITC of Common Inlet Gas Scrubber (V-101), with all accessories, as per relevant technical specification and data sheet	Nos	1		
2	SITC of Reciprocating Gas Compressors- 3500SCMD with electrical drive, VFD and accessories, as per relevant technical specification and data sheet	Set	2		
3	SITC of Membrane Gas Dehydration Unit (GDU) – 7000 SCMD, as per relevant technical specification and data sheet	Set	1		
4	SITC of Odorization Unit with 70L SS304 tank and dual dosing pumps, as per relevant technical specification and data sheet	Set	1		
5	SITC of Custody Transfer Turbine Metering Skid (2 streams) with flow conditioner, as per relevant technical specification and data sheet	Set	1		
6	SITC of Dual Dew Point Analyzer (HC + H ₂ O) – Online, IP65, Modbus compatible, as per relevant technical specification and data sheet	Nos	1		
7	SITC of Instrument Air Compressor Package (1W + 1S) with dryer and receiver, as per relevant technical specification and data sheet	Set	1		
8	SITC of Closed Blowdown Drum (V-102) with accessories, as per relevant technical specification and data sheet	Nos	1		
9	SITC of 1 kVA UPS System with 1-hour backup for instrumentation and control, as per relevant technical specification and data sheet	Nos	1		
10	SITC of Integrated PLC/DCS/ESD/F&G System with SCADA interface for the FGMP, as per scope of work	Lot	1		
11	SITC of Electrical, Switchgear, Distribution & Lighting system, as per relevant technical specification and data sheet <ul style="list-style-type: none"> ▪ Appropriate Cables route from existing Electric Room 	Lot	1		
12	SITC of Interplant piping, valves, fittings, pipe support, cabling, instrument and all hook ups.	Lot	1		
13	Civil Works: Site development, grading, foundations, sheds, roads, drains, effluent handling as per relevant technical specifications and codes.	Lot	1		
14	Safety Systems: ESD, FSD, flare header integration, F&G detection and control system as per relevant codes and scope of work	Lot	1		
15	Integrated FGMP system Pre- Commissioning, Commissioning, Testing as per scope of work	Lot	1		
16	Safety studies(HAZID,HAZOP & SIMOPS), liaisoning and obtaining of all necessary statutory clearances and/or approvals	Lot	1		
17	Total Design, Detail engineering, Quality assurance & Project Management	Lot	1		
		Sub Total (INR)			
		Add: applicable GST			
		Total Cost (INR Rs.)			
Total in INR (including GST) in words:					



Notes on Pricing for the above:

01. The quantities mentioned in the above table are estimated quantities. The actual quantities shall vary based on Contract design considering tender document. The payment shall be made on the basis of actual work done and as certified by GEL Representative.
02. The rates quoted above shall be inclusive of applicable taxes, duties, levies, cess, etc. Good & Service Tax will be paid extra, as quoted above. It shall be bidder's responsibility to quote the correct SAC Code, Goods & Service Tax (GST) % / Amount in the Price Schedule. Any additional cost due to Bidder quoting incorrect GST % / Amount, this cost will have to be borne by the bidder.
03. The rates quoted above shall be inclusive of Labour Cess payments to the statutory authorities. GEL shall not reimburse or make any payment for the Labour Cess. The Contractor shall have to submit the Labour Cess payment challans along with the Invoices. GEL shall not make any payment till the Labour Cess payment challans are submitted.
04. The rates quoted above shall be inclusive of all associated cost of mobilization, demobilization, material and labor supplies, services & completing of work. GEL shall not pay any other charges / amount under any other head other than mentioned above.
05. The rates mentioned above shall remain valid for contract period from the date of issue of the LoA / Rate Contract and any extension thereto. No escalation in price shall be allowed on whatsoever grounds.
06. Bidder must submit:
 - Technical data sheets for all equipment
 - Compliance certificates (OIML, ATEX, ISO, PNGRB, API, OISD)
 - NABL calibration certificates
 - GA drawings, P&IDs, utility consumption summaries
 - Warranty statements (minimum 2 years)
 - FAT reports and performance guarantees



SECTION V
MODEL CONTRACT

SCHEDULE "A" – MODEL CONTRACT

This Contract (hereinafter referred to as "Contract") is made and entered into this ____ day of _____ month, 2026 between

(i) **Gujarat Energy Limited (Erstwhile Gujarat Gas Ltd.)** a Company incorporated under of the Companies Act, 1956 having its registered office at Gujarat Energy Bhavan, Sector-11, Gandhinagar – 382 010, Gujarat, India as operator of **onshore Blocks namely: CB-ONN-2000/1 including RFPSC Ahmedabad, CB-ON/2 including RFPSC Tarapur, CB-ONN-2002/3 Sanand Miroli and CB-ONN-2003/2 Ankleshwar in Gujarat, India** (hereinafter referred to as "Company" which expression shall include all its legal successors, executors and assignees) of the one part,

and

(ii) **ABC Limited**, a Company incorporated under the laws of ____ and having its Registered office at _____ (hereinafter referred to as "Contractor" which expression shall include its legal successors and permitted assignees) of the other part.

Each of the Company and the Contractor shall individually be referred to as "Party" and collectively as "Parties".

RECITALS:

WHEREAS:

A. The Company, in its capacity as the Operator on behalf of its joint venture partners, desires to hire _____ Services for its Operated blocks as specified by Company in the **Tender:** _____ dated _____, in the : Operator in onshore Blocks namely: CB-ONN-2000/1 including RFPSC Ahmedabad, CB-ON/2 including RFPSC Tarapur, CB-ONN-2002/3 Sanand-Miroli and CB-ONN-2003/2 Ankleshwar in Gujarat, India, as set forth hereinafter Contract basis.

B. The Contractor is engaged in the business of providing EPCC Services for Gas Monetization. The Contractor had participated in the above referred Tender and has submitted their offer vide their Bid dated -----including its amendments, if any and the CONTRACTOR has agreed to provide such services on and subject to the terms and conditions hereinafter contained.

C. The Contractor represents that it is engaged in the same business and has adequate resources, equipment (fit for purpose) as per the Scope of work, of this tender and fully trained personnel capable of efficiently operating such equipment; and is ready, willing and able to carry out Engineering Procurement & Construction Services for Gas Monetization at SE#3 Quick Production System at Manipur, Ahmedabad (CB-ONN-2002/3 Sanand Miroli Block) in Gujarat, India as per the scope of work of the tender document.

D. Pursuant to the above, the Company has awarded the work to the Contractor and has placed Letter of Award no. _____ dated _____ to for _____ services as per the scope envisaged in this Document.

E. The Contractor has familiarized itself with the working environment and site conditions.

NOW, THEREFORE, in consideration of the mutual covenants and agreements hereinafter provided, the Parties hereby agree as follows:

1. The Contractor agrees to carryout EPCC services for Gas monetisation works at various well sites / production sites of Operator in onshore Blocks namely: CB-ONN-2002/3 Sanand Miroli Block in Gujarat, India through skilled and experienced personnel required to perform such services ("all Services") (fit for purpose to carry out the Scope of Work defined and described elsewhere in the



Contract) in accordance with the terms and conditions of the Contract and, in consideration of its due performance and completion of all service to the satisfaction of the Company, the Company agrees to pay the Contractor in accordance with the terms and conditions herein contained.

- 2. The Tender Documents including the Invitation to Bidders, Instructions to Bidders, General Conditions of Contract, Scope of Work, Technical Specifications, Price Schedule, Drawings, Plans, Time Schedule for completion of Services, Letter of Acceptance of Tender, along with its enclosures, annexures, and appendixes, copies of which are hereto annexed form part of this Contract though separately set out herein and are included in the expression "Contract" wherever herein used.
- 3. Effective Date: The Contract shall be deemed to be effective from date of issuance of the LOI/ Work Order/LOA or signing of contract, whichever is earlier, by the Company ("Effective Date") and the Rates, terms and conditions will remain same and effective for the entire Contract Period, including extensions (if any).
- 4. The Contractor shall, subject to the terms and conditions of this Contract perform the Services so as to achieve completion of the _____ **Services** at: Blocks namely: CB-ONN-2002/3 in Gujarat, India, in accordance with the terms and conditions of the Contract to fulfil the requirements of GEL.
- 5. The Ministry of Corporate Affairs (MCA) has, accorded the final approval to the Composite Scheme of Amalgamation and Arrangement (Scheme) and the Scheme has become effective from 01st May, 2026. Upon the Scheme becoming effective, Gujarat State Petroleum Corporation Limited (GSPC), Gujarat State Petronet Limited (GSPL) and GSPC Energy Limited (GEL) have merged into Gujarat Gas Limited (GGL). In furtherance to the Scheme becoming effective from 1st May, 2026, the required formalities for changing the name of Gujarat Gas Limited to Gujarat Energy Limited have also been completed and the name of Gujarat Gas Ltd. is now changed to Gujarat Energy Ltd.

In WITNESS WHEREOF, the Parties hereunder have caused this Contract to be executed in duplicate, originals in their respective Corporate names by their respective officers thereunto duly authorized as of the date and year stated above.

Executed for and on behalf of

Executed for and on behalf of

Gujarat Energy Ltd.,

ABC Ltd.

Name:

(_____)

Title:

Date:

Date:

Witness: 1. _____

Witness: 2. _____



SECTION VI GENERAL TERMS AND CONDITIONS OF CONTRACT

The Following terms and conditions will be a part of Contract.

A. DEFINITIONS & INTERPRETATIONS

1.1 Definitions

In the Contract the following words and expressions shall, unless the context otherwise requires, have the following meanings:

- 1.1.1 **"Affiliate"** shall mean with respect to any Person, any other Person directly or indirectly through one or more intermediaries controlling, controlled by, or under common control such Person: Here "Control" means: (a) the possession, directly or indirectly, of the power to direct or cause the direction of the management and policies of such Person whether through the ownership of voting securities, by agreement or otherwise or the power to elect more than one-half of the directors, partners or other individuals exercising similar authority with respect to such person, or (b) the possession, directly or indirectly, of a voting interest of more than 50%. For the purpose of this definition, "subsidiary" and "holding Company" shall have the meaning assigned to it under Companies Act 1956.
- 1.1.1 **"Approve", "Approval", "Approved" and "Directed"** - means the approval or direction in writing by COMPANY Representative or COMPANY persons deputed / authorized by COMPANY for the purpose.
- 1.1.2 **"Applicable Laws"** means all laws, promulgated or brought into force in the whole or in part of territory of India, including regulations and rules made thereunder, including amendments thereof, and judgments, decrees, injunctions, writs and orders of any court of record, as may be in force and effect during the subsistence of this Contract.
- 1.1.3 **"Claims"** shall mean and include all actions, proceedings, suits, demands, liabilities, damages, losses, costs, charges, expenses and fines.
- 1.1.4 **"Company"/"GEL"** shall mean Gujarat Energy Limited, having its office at Gujarat Energy Bhavan, Sector-11, Gandhinagar-382 010, Gujarat, India and includes its successors and assigns.
- 1.1.5 **"Company Group/ GEL Group"** shall mean the Company, its affiliates their contractors, subcontractors and equipment vendors of any tier, its Co-venturers, their personnel, officers, directors, employees and agents but excluding Contractor Group.
- 1.1.6 **"CONTRACTOR"** shall mean the person or the persons, firm or company whose bid has been accepted by the GEL having its registered office/head office at _____ and includes the CONTRACTOR's legal representatives, his successors and permitted assignees.
- 1.1.7 **"Contractor Group"** means Contractor, its affiliates, their contractors, subcontractors and equipment vendors of any tier, their personnel, officers, directors, employees and agents but excluding Company Group
- 1.1.8 **"Contract"** shall mean contract entered into between the Company and Contractor for EPCC Services for Gas Monetization at SE#3 QPS at the terms and conditions set out herein, along with all the exhibits, attachments, appendices, schedules, annexures etc hereto including the instructions to the bidders, General Terms and Conditions, Specifications, Scope of work, etc as contained in the Tender No.: GEL/Gas Monetization/2026-27/628 along with Letter of Award and/ or any amendments agreed and issued subsequently.
- 1.1.9 **"Company Indemnified Parties"** shall mean all or any of the Company, its Co-venturers, the Government of India, its and their other contractors and sub-contractors, and its and their Affiliates and the employees, servants and agents of any of them.
- 1.1.10 **"Company Representative"** - means the person or persons expressly designated in writing by the Company, who signs the Contract on behalf of the Company or any other person authorized/nominated in writing by the Company to act on behalf of the Company and / or to perform the duties.
- 1.1.11 **"Contract Value"** shall mean, for the purpose of calculation of the Performance Bank Guarantee Amount, levy of liquidated damages and for the purpose of indemnities, the estimated value calculated based on amount to be incurred by the Company for the entire duration of the Contract



as per the Schedule of Rates (price quoted multiplied by tendered quantities if applicable) and shall also include GST if applicable. It is clarified that the actual amount of payment to the Contractor is likely to differ from the Contract Value calculated as per this definition.

- 1.1.12 **"Contractor's Equipment"** shall mean all equipment along with auxiliary equipment, tools, spare parts, items of plant, facilities, miscellaneous materials, consumables, and all appliances as specified herein or in LOA which are provided, mobilized for performance of the services under this Contract.
- 1.1.13 **"Demobilization"** shall mean the release, at a location designated by COMPANY, of all of the Contractor's Equipment/vehicle and personnel.
- 1.1.14 **"Government"** shall mean the Government of India or Government of Gujarat State, or any political subdivision or administrative agency thereof, as the case may be, and/or their respective representatives, or any other governmental entity, instrumentality, agency, authority, corporation, committee, or commission under the direct or indirect control of any such governmental authority, having jurisdiction over the work performed under this Contract.
- 1.1.15 **"Intellectual Property Rights"** means patents, utility models, registered designs, trade marks, service marks, applications for any of the foregoing and the right to apply for any of the foregoing, design rights, copyright, ownership of inventions, confidential information, proprietary information and know-how and any similar rights.
- 1.1.16 **"Performance Bank Guarantee"** means the bank guarantee that is to be furnished by the Contractor from a Bank of repute specified in the Attachment-4 hereto and acceptable to the Company for 10% of estimated contract Value to guarantee performance in accordance with the terms and conditions under the Contract.
- 1.1.17 **"Contractor's Personnel"** shall mean each individual and the collective group of Contractor's employees, Contractor's subcontractors, and their respective employees, subcontractors, licensees, invitees, agents and representatives, who are deputed and/or utilized by Contractor for the performance of the Work under this Contract.
- 1.1.18 **"Rates or Rate"** shall mean the applicable rates of compensation to be paid to the Contractor for the equipment/services provided/performed hereunder as set forth in the respective price schedule/Rate Schedule.
- 1.1.19 **"Mobilization"** shall mean when the Equipment (fit for purpose) required to carry out the work along with personnel as required under the Scope of Work has been mobilized at Company's designated location and are ready to start the operation.
- 1.1.20 **"Willful Misconduct"** means Intentional disregard of Good Oilfield Practice or proper conduct under the Agreement with knowledge that it is likely to result in any injury to any person or persons or loss or damage of property.
- 1.1.21 **"Gross negligence"** shall mean (i) the intentional failure to perform a manifest duty, in reckless disregard of or wanton indifference to the consequences to the life, health, safety or property of another; or (ii) any act or failure to act which, in addition to constituting negligence, was in reckless disregard of or wanton indifference to the consequences to the life, health, safety or property of another.
- 1.1.22 **"Good Industry Practices"** means good industry practices with such degree of diligence and prudence reasonably and ordinarily exercised by experienced parties engaged in a similar activity under similar circumstances and conditions;
- 1.1.23 **"Third Party"** shall mean a person/entity which is not included in Company Group or Contractor Group.
- 1.1.24 **"Effective Date"** shall be the date of issue of LOI/LOA/Work Order or signing of the Contract, whichever is earlier.
- 1.1.25 **"Term of the Contract"** shall mean the duration of the Contract consisting for period of 8 months from the Effective Date and shall remain valid till expiry of 8 months or till completion of work, whichever is later.
- 1.1.26 **"Termination Date"** shall mean the time of day and date when the Term defined in contract hereof expires or when this Contract is terminated by Company, in accordance with its terms, whichever occurs first.
- 1.1.27 **"Work"** shall mean the all work, services, duties, obligations (including their related operations and their physical products) performed by the Contractor which includes provision of all auxiliary



equipment, spares, materials, personnel and technical services & support and any other activity necessary for the performance of Services on the Work Site / Work Location or base in accordance with the scope of the work (including mobilization before the Commencement Date and demobilization after any termination or completion of the Contract) as defined in the Contract.

1.1.28 **"Work Site / Work Location"** or "Designated Location" shall mean the lands and waters and other places on, under, in or through which the Works are to be carried out and any other lands, waters or places approved by the Company for the purposes of the Contract together with any other places designated in the Contract as forming part of the Site.

1.1.29 **"Sub-Contractor"** shall mean any person or firm or company (other than the Contractor) to whom any part of the Work has been entrusted by the Contractor, with the written consent of the Engineer-In-Charge and/or the Company, in accordance with the terms of this Contract. The terms of the present arrangement would be binding on such Sub-contractor and the Contractor shall be responsible to indemnify and hold harmless the Company/GEL of any of the acts/deeds of such Sub-contractor engaged by him.

1.2 Interpretation of Contract Documents

- i) Notwithstanding the sub-division of the contract documents into separate sections and volumes every part of each Contract document shall be deemed to be supplementary to and complementary of every other part and shall be read with and into the Contract so far as it may be practicable to do so.
- ii) Unless otherwise stated specifically, the singular shall include the plural and vice versa wherever the context so requires.
- iii) Any work order (s) issued pursuant to this document shall be deemed to be an integral part of this contract and governed by the terms & conditions of this contract document unless specifically provided otherwise.
- iv) In case of any discrepancy with respect to interpretation of any of the clauses in this document, the interpretation of the Company shall be final and binding.
- v) The Contract Documents forming part of the Contract are to be read together as a whole and are to be taken as complimentary to each other.
- vi) **Headings:** The headings and sub-headings in the Contract are for convenience only and do not form part of the Contract and shall not govern or affect the interpretation of the Contract.
- vii) **Instructions:** All instructions, notices, agreements, authorizations, approvals, and acknowledgements shall be in writing and in English language. Verbal instructions will not be considered authentic, unless confirmed in writing. Any verbal instruction shall be confirmed in writing at the earliest, provided that, if the Contractor confirms in writing any such verbal instruction, which is not contradicted in writing by the Company in reasonable time, it shall be deemed to be an instruction in writing by the Company. Vice versa shall also apply.
- viii) **Statutes:** Any reference to statute, statutory provision shall include any re-enactment or amendment thereof for the time being in force.
- ix) The Contract shall consist of the following:
 - a) The Model Contract
 - b) The General Conditions of Contract
 - c) The Scope of Work
 - d) The Schedule of Rate
 - e) All other Annexures / Appendices to the Tender Document including the Bank Guarantee, LOA/Work Order etc.

It is clarified that in the event of any inconsistency amongst the terms and conditions of any of the above, the order of priority for the purpose of precedence would be as per the order set out above i.e., document at a) above would prevail over the document at b) above and so on so forth. It is clarified that in case of any discrepancy with respect to interpretation of any of the clauses in this document, the interpretation of the Company shall be final and binding.

I. Scope of Work and Technical Specifications:



The Scope of Work for this EPCC contract shall include, in general but not limited to Project management, Surveys (Pre-Engineering surveys, Post Installation Survey etc.) Residual Basic Engineering/Process Design, Detailed Design / Engineering based on Process Package, Procurement, Supply, Fabrication, Inspection & Expediting, Transportation of all equipment/materials to the work site, Storage, Dismantling/ Modification of existing facilities (wherever applicable), Site grading & Levelling, Construction (Civil and Structural), Fabrication, Erection/Installation of equipment, Pipeline/Piping, Hook up, Painting, Insulation, Instrumentation, Electrical Works, Mechanical Completion, Hydro- testing, Testing Pre-Commissioning and Commissioning etc. as per details in the Bid package.

The brief Scope of work & specifications shall be as per “**Section – III**” attached herewith.

II. Contract Price:

“Contract Price” means lump sum prices and/or rates of payment specified in **Section IV** and as may be indicated in the LOA / contract, which Company shall compensate to Contractor for the actual work executed/ completed and certified by the Company subject to any additions/deletions thereto which may be made through the application of relevant provisions of the Contract.

To complete the above-mentioned scope of work, the Company shall pay the Contractor for actual hire period/work done and on the basis of rates mentioned in the Rate Schedule Section – IV attached herewith.

The Rates mentioned in “**Section-IV**” shall be firm and fixed throughout the currency of the Contract/ period and any extension thereof, and no price escalation on whatsoever ground shall be allowed.

III. Contract Period:

This Contract shall be deemed to have come into effect and shall be binding on the Parties from the Effective Date and shall remain in effect and be valid for eight (08) months or till completion of work, whichever is later, at the same rates terms and conditions.

IV. Terms of Payment: The milestone payment terms shall be under:

1) Upon Equipment Supply & Installation:

- 50% payment against receipt of Gas Compressors, Gas Scrubber, Gas Dehydration Unit, Odorization Unit, Custody Transfer Turbine Metering Skid, Dual Dew Point Analyzer, Instrument Air Compressor, Closed Blowdown Drum, Valves etc
- 30% against successful erection of above equipments.
- 20% against successful commissioning & acceptance and submission of documents by GEL

2) Mechanical works:

- 50% payment against receipt of all Pipes, pipe fittings, structural steel as per Scope of work.
- 30% against fabrication & successful erection
- 20% against successful commissioning & acceptance and submission of documents by GEL

3) All other supply & works (apart from above supply & works):

- 100% against final completion and acceptance by GEL

Unless specified otherwise, GEL shall release payment within 30 days upon receipt of the undisputed certified invoice. Invoice will be raised in the month following the month in which the services were performed based on the Rates, measurements and quantities verified and certified by Company Representative. Invoice should be raised based on the certification of work completion/services performed issued/certified by the Company representative. Each invoice shall carry GST number of both Company and Contractor. GEL GST Registration Number is 24AABCG4502F1Z8. No invoices shall be processed for



payment unless the GST number is captured in the invoices. No interest shall be payable by the Company for any reason whatsoever

Invoicing Procedure

For the completed Work against the Contract, the Contractor shall be required to maintain the Log sheets/Job Reports that will capture the Contract Items/Quantity. The Log sheets / Job Reports shall be jointly certified and accepted by COMPANY and Contractor Representatives. Final Invoice for the Work shall be prepared based on such Log sheets/Job Reports only and the original Log sheets / Job Reports shall be attached and sent along with the Invoice for payment. Any Invoice received by COMPANY without the approved Log Sheets / Job Reports shall be returned to the Contractor without further processing. Contractor shall be required to submit a Revised Invoice with a Revised date along with the Original Log Sheets/Job Reports.

The Contractor shall submit to COMPANY a correct and agreed / undisputed Monthly invoices in the first week of subsequent month detailing the amounts chargeable by the Contractor in respect of the Work completed. Each Invoice shall:

- (a) bear the Contract Number and Block/Site description;
- (b) be accompanied by a copy of Work Order/Callout, Original Log sheets/Job Reports, acknowledged EPF payment proofs, ESI payment proofs & other supporting evidence
- (c) contain details of bank account.
- (d) contain PAN & GST NO/SAC NO/GST NO OF GEL.

Invoices shall be addressed to: **DGM (Drilling) Gujarat Energy Ltd.**

Invoices shall be submitted to: Central Invoice Desk, F&A Department, Gujarat Energy Limited, Gujarat Energy Bhavan, Behind Udyog Bhavan, Sector – 11, Gandhinagar – 382 010, Gujarat, India in full respect. No interest shall be payable by Company to the Contractor for any reason whatsoever.

WITHHOLDING PAYMENT

COMPANY may further withhold part or whole of any payment claimed by the Contractor, which in COMPANY's opinion is necessary to protect itself from loss on account of

- a) Failure by the Contractor to indemnify COMPANY agreed hereto.
- b) Damage COMPANY or other property or to its to other Contractors,
- c) Failure to meet mutually agreed schedules.
- d) Breach of Terms & Conditions of the Contract
- e) Performance not in accordance with the Scope of Work.

When the grounds for withholding payments are removed, COMPANY shall make payments of the amount due to the Contractor without delay. No interest shall be payable by COMPANY on such withholding payments at the release of payments.

Notwithstanding anything to the contrary, the Contractor shall not be entitled to any payment in the following events:

- Breakdown/Malfunction of Contractor's Equipment – No payment shall be made for the duration when breakdown occurs and till the equipment is made available for operations.
- Replacement: Operations are delayed due to waiting for replacement of Contractor's Equipment or personnel or when the work is halted/stopped on account of reasons solely within the control of the Contractor.
- Technical Breach: Failure to meet technical requirements.

V. Performance Bank Guarantee:

The Performance Bank Guarantee is required to be submitted within Twenty-one (21) days of the issue of LOA/Work Order/Contract, whichever is earlier. The Contractor shall present to the Company a Performance Bank Guarantee in the form of an irrevocable, unconditional, payable on first demand by Company, divisible bank bond in the format of Attachment -4 issued by an approved bank as per the list of Bank attached. Failure to comply with this condition will constitute grounds



for termination of the award/ Contract. The Performance Bank Guarantee shall be for **10% of the Contract Value** (including GST). The Performance Bank Guarantee shall be valid till 90 days beyond the Contract period & extension thereto. If the Contractor does not submit the Performance Bank Guarantee as stipulated above, GEL reserves the right to cancel/terminate the Work Order/LoA/Contract and forfeit the Bid Bond.

The Contractor by furnishing the Performance Bank Guarantee shall guarantee the Performance of work under the Contract and shall also guarantee that the supply/services so provided under the Contract shall be in strict conformity with the specifications as per the Scope of Work of this Contract and shall satisfactorily perform during the Contract period. GEL shall have right to forfeit the entire Performance Bank Guarantee amount in the event the Contractor does not perform or denies to perform in accordance with the Scope of Work of the Contract and terms and conditions of the Contract at any point of time during the Contract period.

Company shall not be liable to pay any Bank Charges, Commissions, or Interest on the amount of Performance Bank Guarantee. The Performance Bank Guarantee provided by the Contractor is intended to operate as security for amounts (including damages where applicable) which becomes payable by the Contractor by virtue of this Contract and are not intended to be used as a penalty. Without prejudice to its other rights under the Contract or at law, Company shall be entitled to invoke the performance bank guarantee, in the event of breach of the provisions of this WO/Contract. The Performance Bank Guarantee shall remain at the entire disposal of Company as Security for the satisfactory commencement, performance and completion of the Scope of Work under the conditions of the Contract including recovery of amounts due to the Company from the Contractor arising out of this Contract under whatever head.

The Performance Bank Guarantee shall be replenished to its original level every time any withdrawal is made on them by the Company. GEL reserve the right to invoke the performance bank guarantee for any of the following reasons including but without limitation to:

- Failure of Contractor to start/commence the work as per LOA/Work Order/Contract
- If Contractor fails to perform as per the terms and conditions of the contract.
- If Contractor fails to perform as per prescribed scope of work.
- If Contractor fails to work in work man like manner.
- If equipment for providing services are not fit for the performance of work.
- If the materials used for the performance of services as per the Scope of Work are sub-standard or not as per the specifications as laid down in the Scope of Work.
- If the Contractor fails to protect the Company for which the Company is indemnified by the Contractor under this Contract.
- If Contractor is in breach of Contract.

VI. General Terms & Conditions:

All our other General Terms and Conditions applicable to this Contract shall be as here below:

1. **Entire Agreement:** This Contract constitutes the entire agreement between the Parties hereto and supersedes all prior negotiations, representations or agreements related to the Contract either written or oral. No amendments shall be effective unless issued in writing and agreed by both the GEL and Contractor.
2. **Assignment and Sub-Contracting:** Contractor shall not assign or sub-contract this Contract/Work/Purchase / Service Order or any rights or obligations in whole or in part, to any third party hereunder without the prior written consent of GEL. Any assignment or sub-contracting of this Contract or of any rights hereunder or hypothecation, or creation of any lien or charge thereof in any manner, in whole or in part, by operation of law or otherwise, without the prior written consent of GEL shall be void.

Notwithstanding any sub-contracting or sub-letting of the Work, the Contractor shall be solely responsible for the Works in all respects as if such sub-contracting had not taken place and as if such Work had been done directly by the Contractor. Also in no case sub-contractors shall pass on any



claim/ liability to Company. In case any Claim/ liability of whatsoever nature is passed over to the Company, the Contractor shall indemnify the Company for all costs of any kind/ nature incurred by the Company along with interest, compounded on a monthly basis at the rate of SBI MCLR

3. **Warranties and Remedies**

- 3.1 The Contractor represents and warrants that it has full understanding and knowledge of the nature and extent of the Scope of Work and services required to be performed hereunder, and that it has satisfied itself completely as to the conditions under which the Work are to be performed, including but not limited to means of access, conditions affecting performance of service, personnel and facilities required for the Work, the correctness and sufficiency of the rates and prices in **Price Schedule** for performance of the Work as well as the conditions under which the Work are to be performed including, but not limited to local rules and regulations which may affect, the provision of Work as per the Scope of Work of this Contract.
- 3.2 Contractor represents and warrants that it is lawfully registered, domiciled and fully qualified to do business and it has or shall obtain, at its sole cost, all necessary permits and licenses required under Applicable Laws to commence, continue and complete the Work in accordance with the provisions of this Contract.
- 3.3 Contractor shall diligently perform the Work in a skillful and workmanlike manner and in accordance with the established Good Industry Practices throughout the term of the Contract and the Contractor shall carry out all of its obligations under the Contract and shall execute the Work with all due care and diligence and with the skill to be expected of a Contractor of repute and experience in the types of work to be carried out under the Contract in accordance with Good Industry Practices.
- 3.4 Contractor represents that it is engaged in such specialized operations and represents that it has adequate resources, service capability and personnel in accordance with Good International Petroleum Industry Practices and shall perform the Work strictly in accordance with this Contract as described in Scope of Work and shall comply with and adhere strictly to Company's instructions and directives on any matter concerning the Work.
- 3.5 Contractor agrees to comply with and shall ensure that its Personnel & Sub-contractor's Personnel, comply with all Applicable laws, International /Indian codes, rules, regulations and specifications applicable to the Equipment and Services. All Equipment, materials, machinery and goods deployed or engaged by Contractor under this contract, shall be of good quality, high precision and workmanship, safe and free from defects in workmanship. Time is of the essence of the Contract and Contractor shall perform all Services in conformity with the time schedule, specifications and the obligations contained herein, unless the delay is due to Force Majeure or reasons wholly within Company's control. Any failure by Contractor to timely mobilize the resources for performance of work at the work site or perform the work in timely manner shall attract the provisions of Liquidated Damages clause.
- 3.6 Company shall be entitled, without prejudice to any other rights or remedies available to Company under this Contract or otherwise in law to object to and require Contractor to remove from the Work any person who in the reasonable opinion of Company is incompetent, misconduct's himself, is negligent in the proper performance of his duties or is otherwise considered to be undesirable. In such an event, Contractor shall forthwith remove such person from the Work, and such person shall not be again employed upon the Work without the written permission of Company. Contractor shall forthwith replace, at Contractor's sole expense, any such discharged person with a suitable qualified and experienced person satisfactory to Company in reasonable time. In such a case Work shall not be affected or delayed.
- 3.7 Company shall have the right to inspect Contractors Equipment & Material at any time to observe its condition/status of the on-going work and may notify Contractor of any apparent defects/delay in progress (if any) therein. Contractor shall take immediate steps to rectify the defects at its cost or



take corrective actions as per the instructions of Company. However, such inspection by Company shall not imply any acceptance of the condition of the Contractor Equipment/Work done by the Contractor, by Company and Contractor shall not be relieved of its obligations under this Contract by any such inspection. Contractor shall keep and maintain upto-date records of all work done as well as Contractor's Equipment and material at the Work Site / Well Location reflecting its condition and quantity and will make such records available to Company whenever requested. Contractor shall always maintain the equipment in fit for purpose condition during the term of Contract.

- 3.8 The warranty shall apply to all works/service performed by Contractor as per the Scope of Work under this Contract. Contractor warrants that it shall perform all such works in a Good and Workmanlike Manner. Contractor warrants to Company that Contractor's Personnel who are skilled, experienced and competent in their respective positions, and who are fit for duty shall perform all works. Contractor undertakes to ensure that its personnel comply with Company's regulations regarding health, safety and training which are in force at such time and at such place.
- 3.9 **Records/ Reports:** Contractor shall keep detailed records of all Work performed including records evidencing planned and actual compliance. Contractor shall present such records to Company for inspection on request. Contractor shall produce a final job report, which will be presented to Company on completion of the Services. Contractor shall furnish to Company such data, information and reports as may be required by Company from time to time. Contractor shall at all times keep Company fully and promptly informed of all matters of whatsoever nature affecting or likely to affect the progress of the work or the work time schedule.
- 3.10 Contractor shall be responsible for the transportation of Contractor's equipment/materials and personnel from its base to GEL base/Well Site/designated site.
- 3.11 Contractor shall, provide First Aid medical attention and medical services for Contractor & Sub-contractor's personnel at all times.
- 3.12 Contractor shall be responsible for supplying all fuel, electricity, petrol, oils and lubricants used for the services at its base.
- 3.13 Contractor shall, regularly inspect, service and maintain contractor's items/Equipments throughout the Term. The Contractor shall maintain enough stock at the designated location, in order to ensure that the planned activity/work is not stopped on account of unavailability if any materials.
- 3.14 The Contractor Group shall observe and comply and ensure that Contractor's & Sub-contractor's Personnel comply with all statutory provisions, Company's policies and procedures applicable to the Services from time to time, standing orders, International/Indian codes, regulations and instructions relating to health, safety and environment. Company Representative may require formal meetings from time to time and Contractor or his nominated deputy fully conversant with the health, safety and environment requirements shall attend such meetings.
- 3.15 Contractor shall furnish to Company an accurate record of the Work performed on a daily basis as per Company's requirements. The job sheet should be jointly signed by the Company and Contractor representative at site.
- 3.16 Contractor represents that the Contractor as well as his personnel have full knowledge of Applicable Law that may govern the performance of this Contract and they shall comply with the same during the Term of the contract.
- 3.17 Contractor agrees to obtain, at its own expense, all authorizations, licenses and permits that may be required for the operation of its equipment, tools, Machineries etc. in the performance of the Work (as applicable).



- 3.18 Company or its authorized representative shall be entitled to at all times to inspect the progress of work at the designated location and may notify Contractor of any apparent defects/deviations therein. However, such inspection by Company shall not imply any acceptance of the work done by the Contractor or the condition of the Contractor's Equipment and Contractor shall not be relieved of its obligations under this Contract by any such inspection. Contractor shall always maintain the equipments/ consumables in fit for purpose condition during the term of Contract and ensure that the work is done as per the industry standards (fit for purpose) and as per the terms of Contract.
- 3.19 The Contractor is expected to mobilize the equipments/materials and/or personnel required for performance of the work as per the Scope of Work of this contract in a timely manner considering the timelines/schedule indicated by the Company in the LOA/PO/Contract or call-out notice. No rental will be payable for early mobilization. Upon completion of the job and unless instructed to retain the services, the Contractor should demobilize its equipments with permission of GEL's representative from the wellsite/designated location.
- 3.20 Without prejudice to any other right of the Company under the Contract, in the event of non-performance of services or lack of services by the Contractor or failure of equipments or part thereof, Company shall have a right to immediately terminate the Contract, if such default has not been remedied by the Contractor within seven days after issuance of notice/intimation for the same.
- 3.21 On completion or earlier termination (for whatsoever reason) of the Services, the Contractor shall demobilize its Equipments and/or Personnel forthwith.
- 3.22 Contractor shall take no action on behalf of Company in the performance of the Work or rendering of Services or the conduct of operations hereunder which would subject either party to liability or penalty under the Applicable Laws, including any laws, rules, regulations, or decrees of any governmental authority or political sub-division thereof, and if it does so, the Contractor shall indemnify Company for such losses, costs and expenses (including attorney or legal fee, if incurred) incurred by Company.
- 3.23 Contractor shall have no authority to make any statements, representations or commitments of any kind or to take any action which shall be binding upon Company, except as provided for herein or otherwise authorized in writing by Company.

4. **Warranty and Guarantee:**

- 4.1 The Contractor warrants and guarantees that the Work will be performed as per the Good Oilfield Practices, under this Contract. Where GEL has found the Work or part thereof or any re-work has not been performed in accordance with the terms of the Contract or the materials used for performance of the services as per the Scope of work of this Contract are not as per the required specifications as may be required or not as per the Good Industry practice, or the Equipment is not working properly/defective (not fit for purpose), GEL shall detail in writing/inform the Contractor about the specific nature of the defect/non-performance/defective performance. Upon receipt of such notification, the Contractor shall promptly take action necessary to correct/rectify such defect and/or re-perform the Work in accordance with the Contract. If Contractor fails to correct such defect and/or re-perform the Work in accordance with the instructions issued by GEL within a stipulated time, GEL may on its own or by any third party on behalf of GEL, proceed to perform the work or replace such defective materials/tools/equipment/re-perform, so as to ensure that the work is not affected on account of non-performance by the Contractor as get the work done as specified in the Scope of Work at the Contractor's sole risk and expense/cost. In the event any loss or costs are incurred by the Company on account of any failure in obligations performed by the Contractor such costs shall be recoverable by GEL from the Contractor. The re-performance of such defective work or action by GEL shall not relieve the Contractor of any of its obligations under the Contract or under the applicable laws. Defects shall not be deemed waived by Company's failure to notify Contractor upon receipt of Services or by payment of invoice.



- 4.2 **Defect Liability Period:** The Contractor warrants and guarantees the Work done under this Contract against Defects for a Period of 12 months from issuance of Provisional Acceptance Certificate. The Defects Liability Period shall be considered as 12 months starting from issuance of the Provisional Acceptance Certificate for each work completed. DLP will be completed upon issuance of Final Acceptance Certificate
- 4.3 **Provisional Acceptance Certificate:** Company Site Engineer / Company Representative shall issue a Provisional Acceptance Certificate stating that the Work are provisionally accepted after its Virtual Completion and after ascertaining that the Contractor has fulfilled all his obligations, satisfactorily, under the Contract and that he has cleared the Site of all redundant materials. The certificate shall clearly indicate the date of such Virtual Completion of the Work. Upon the issue of a Provisional Acceptance Certificate, in the event that the Company notifies the Contractor of any other defects in the Work within the relevant Defects Liability Period, the Contractor shall, carry out all works necessary to correct such defects in the Work. In the event that any of the Work is re-done/re-performed, rectified or replaced by the Contractor under the provisions of this clause, this Clause shall apply to such portion so reworked, rectified or replaced. The Defects Liability Period specified herein in respect of such work, shall commence on the date upon which such rework, rectification or replacement was completed in accordance with the Contract. If any such defect, damage or failure to perform is not remedied, Company may proceed to carry out the remedial work or action at the Contractor's risk and expense, which shall be recoverable by Company from the Contractor as per the terms of the Contract. The performance of such corrective work or action by Company shall not relieve the Contractor of any of its obligations under the Contract.
- 4.4 **Final Acceptance of the Work:** When entire Scope of Work of Project has been completed, including the Contractor fulfilling his Warranty / Defect Liability obligations, and following a last satisfactory inspection of the facilities by the Company, and provided the Company is otherwise satisfied that the Contractor has complied with all other obligations under this Contract, Contractor shall be entitled to request and GEL shall issue within thirty (30) days of such request a Final Acceptance Certificate. No certificate other than the Final Acceptance Certificate shall be deemed to constitute approval or acceptance of the Work. The issuance of the Final Acceptance Certificate shall not relieve Contractor from obligation under the Contract (such as confidentiality, patents, arbitration, liabilities to third parties) which expressly or by their nature extend beyond and survive Final Acceptance or the terms of the Contract. The Final Acceptance Certificate shall state the date on which all conditions required shall have been met and shall be effective from such date. GEL shall not be obliged to deliver any of the above-mentioned certificates until Contractor has satisfied all claims and liens affecting Company's property in connection with the Work, and has given to the Company evidence that all such claims and liens have been satisfied, and until Contractor has paid in full all and any outstanding obligations against the Work.
5. **Completion of Work:** The Contractor is required to complete the entire scope of design, supply, installation, testing & commissioning of all the equipments, instrumentation & electrical fixtures along with allied civil works defined for GPU in tender SOW within Eight (08) months from the date of receipt of the Contract/Service Order or from the date of mobilization notice, whichever is earlier. Contractor shall deliver/complete the Work in accordance with the agreed time schedule under the Contract. Strict compliance with these requirements is the essence of the Contract.
- Contractor shall provide and make available to GEL the completion documents prior to issuance of Provisional Acceptance Certificate, as mutually agreed post award of Contract. The Work shall be considered complete after Contractor obtains Provisional Acceptance Certificate from the Company.
6. **Inspection and Approval:** GEL on its own and/ or its authorized third party inspection agency reserve the right to inspect the Equipment deployed / Work at Site or other facilities where the Work is being undertaken by giving a reasonable notice. The Equipment/Work shall be rejected if found/performed in non-compliance with the requirements of this Contract.



7. **Compliance with applicable Laws, Rules and Regulations:** Contractor represents that it has knowledge of and shall comply with & shall cause Contractor's Personnel as well as Sub-contractor (if any) to comply with the all laws, rules, ordinances and regulations applicable in India that may govern the performance of the obligations contained in this Contract and ensure compliance with all the applicable laws. Contractor agrees to obtain, at his own expense, all authorizations, licenses and permits that may be required for the operation of its equipment in the performance of the Work. All costs and expenses incidental to such compliance will be paid by Contractor.
8. **Variation:** The quantities mentioned in the scope of work are estimated quantities, which may vary based on actual requirement of GEL within the scope of the Contractor at any time during the currency of the Contract term. GEL reserves the right to make changes/give instructions to vary the Contract. Company shall have right to make any changes, including additions to or deletions from the quantities originally ordered and/or in the specifications or include additional items or in provision of services, at any time before the Services/work are completed and instruct the Contractor to alter, amend, omit, add to or otherwise vary any part of the work/Services by issuing a variation/amendment order in writing. The cost of such variation shall be as provided in Schedule of Rates. If SOR/Price Schedule/Scope of Work does not contain applicable rates, the amount shall be an amount which is in all the circumstances reasonable, technically derived and as agreed upon by both parties. No amendment or other variation of the Contract shall be effective unless it is in writing, is dated, expressly refers to the Contract and is signed by a duly authorized representative of each party hereto. Such variation can be positive or negative. Any claim by Contractor for adjustment under this clause must be asserted within five (5) calendar days from the date of receipt by Contractor of the notification of change. However, nothing in this clause shall excuse the Contractor from proceeding with the order or Contract as changed.
9. **Insurance & Labour enactments:** Contractor shall carry and maintain all relevant and valid insurance cover for its employees, workmen, personnel, equipment, which are mobilized to GEL designated location for performing the scope of work, as per relevant applicable laws, as amended from time to time particularly the workmen's compensation act, payment of wages act, contract labour (regulation act), etc., and keep GEL indemnified of provisions of this rules and acts. Contractor shall ensure strict & regular compliance to Minimum Wages Act, No dues to the Employees who have resigned or whose services are terminated, engaged by the contractor regarding payment of wages, service compensation, Bonus, Gratuity, Un-availed Leave Salary, Notice pay & etc. The provisions of this clause shall in no way limit the liability of the Contractor under the Contract or Applicable Laws. All such insurances shall be placed with reputable and substantial insurers acceptable to the Company. Contractor's insurances shall be primary to and receive no contribution from Company insurances. Commencement or performance of Services without delivering the certificates of insurance shall not constitute a waiver of Contractor's obligation to provide the required insurance coverage.
10. **Limitation of Liability:** Notwithstanding anything contained in the Contract to the contrary, the Contractor Group's total/aggregate liability under this Contract, tort or otherwise shall be limited to a sum equal to One hundred percent (100%) of the Contract Value. Provided that aforesaid cap for limitation of liability shall not apply and the Contractor shall continue to remain responsible for all liabilities which arise on account of:
- Gross Negligence or Willful Misconduct of Contractor Group
 - Breach of Applicable Laws by the Contractor Group.
 - Liability for payment or non-payment of taxes and other statutory duties/ fees of any nature.
 - Liability for breach of Intellectual Property Rights of any person.
 - Breach of Confidentiality obligations.
 - Indemnity provided by the Contractor in the Contract
11. **Tax Indemnity:**



- 11.1 Unless specified in the Contract it is deemed to understand that Contract Rates are all-inclusive. All taxes and duties are deemed to be included in the Contract Prices. Contractor shall indemnify and hold harmless GEL and Co-venturers from all taxes and duties and any interest and penalties thereon. GEL shall provide the required forms as applicable for tax exemptions/ concessions. GEL shall make statutory deductions from all payments made to the Contractor under this Contract.
- 11.2 The rates given in the Contract are inclusive of all levies/ duties paid/ payable in execution of the Contract except Goods & Service Tax which shall be paid extra at the prevailing rate as indicated above. Any variation during the Contract period as promulgated by Govt. shall be adjusted on either side on scrutiny of proof of payment. However, increase in taxes, levies/ duties for work executed beyond the Contract duration will not be applicable.
- 11.3 Change in Law:
- (a) In the event of any change or amendment of any Act or law, Rules or Regulations of Government of India or Public Body, which becomes effective after the effective date of Price Bid or revised Price Bid submission and which results in increased cost of the works under the Contract though increased/decreased liability of taxes of Goods and Service Tax, (other than personnel and Corporate taxes and other taxes), duties, the Contractor shall be indemnified for any such increased/decreased cost to Company subject to the production of documentation proof provided the rates and all applicable taxes along with the tax rate, were clearly indicated at the time of Bid submission by contractor.
- (b) Similarly, any change or amendment of any Act or law, including Indian Income Tax Act, Rules or Regulations of any Government becomes effective after the effective date of Price Bid or revised Price Bid submission and which results in any decrease in the cost of the project through reduced liability of taxes, (other than personnel and Corporate taxes) duties, the Contractor shall pass on the benefits of such reduced cost, taxes or duties to the Company.
- C) Notwithstanding the above mentioned provisions, Company shall not bear any liability in respect of:
- (i) Personnel taxes on the employees of Contractor and the employees of all its sub-Contractors etc.
- (ii) Corporate taxes in respect of the Contractor and its sub-Contractors.”
- (iii) Any taxes for which the Contractor or any or all of his sub-contractors are directly assessable i.e. Corporate taxes and Fringe benefit tax in respect of Contractors and all of their sub-contractors, agents etc.
- (iv) break up and rates of taxes not provided in the Offer
- 11.4 LIENS:** Contractor shall immediately pay and discharge any lien, claim or encumbrance, of any nature, (or shall provide security for payment thereof) attributable to Contractor. Contractor shall indemnify and hold Company harmless from and shall keep Company's equipment and property free and clear of all liens, claims, assessments, fines and levies incurred, created, caused or committed by Contractor. If Contractor fails to pay and discharge any such lien, claim or encumbrance, then Company may do so and charge Contractor for all costs, with an additional five per cent (5%) of such costs and expenses, be payable by Contractor and may be deducted and set off against any monies owed to Contractor by Company pursuant to the Contract. Company shall have the right to retain out of any payment to be made to, or to be reimbursed to, Contractor, an amount sufficient to indemnify it completely against any such lien, claim, assessment, fine or levy exercised or made and all associated costs.
- 11.5 AUDIT:** The Company and its authorized representatives shall have access to, and the right to audit and obtain copies of any of Contractor's and its subcontractors' or agents' documents of whatsoever nature (except the confidential information of pricing formulate of the Contractor) relating to or in connection with the performance of the Work, including books, vouchers, receipts, invoices, correspondence, government correspondence, contracts, representations before statutory authorities, tribunals, courts and any other records. The Contractor will preserve and will cause its



subcontractors and agents to preserve all such records for a period of three (3) years from the end of the calendar year in which this Contract terminates and will, upon written request, make them available to Company and its representatives. The Contractor shall provide photocopies of any documents within a reasonable period whenever demanded by the Company, Audits referred in this Clause will be made during Contractor's normal working hours. Any payment made by the Company shall not imply acceptance of liability on the part of the Company. Company shall have the right to notify Contractor of any matters arising in an audit which may necessitate making an adjustment; and such adjustment, whether by reimbursement to Company or otherwise, shall then promptly be made. Company shall also have the right to obtain assistance and statements from any of Contractor's Personnel to the extent it deems necessary, and Contractor and its subcontractors shall make such personnel available at their assigned locations if still under employment with Contractor or its subcontractors.

12. **GEL provided information:** On receipt of any specifications, drawings or other information required for the Work and supplied by GEL or supplied expressly on its behalf, the Contractor shall inspect same for omission, inconsistency or inaccuracy. If the Contractor considers there is any omission, inconsistency or inaccuracy in such specifications or drawings, or that any modification should be made, the Contractor shall notify GEL forthwith in writing.
13. **Local Goods and Services:** In the provision of the Work, Contractor shall:-
- give preference to the purchase and use of goods manufactured, produced or supplied in India provided that such good are available on terms equal or better than imported goods with respect to the timing of delivery, quality, quantity required, price and other terms;
 - employ Indian sub-contractors having the required skills or expertise to the maximum extent possible insofar as their services are available on comparable standards with those obtained elsewhere and at competitive prices and on competitive terms, provided that where no such sub-contractors are available, preference shall be given to non-Indian sub-contractors who utilize Indian goods to the maximum extent possible, subject to the provision in 13(a) above;
 - co-operate with and assist Indian companies as sub-contractors to enable them to develop skills and technology to service the petroleum industry;
 - ensure to the best of its ability that provisions in terms of 13(a), 13(b) and 13(c) above are contained in the sub-contractors; and
 - ensure that suppliers in India are given adequate opportunities to compete for the supply of goods and services for the provision of the Work.

14. **Termination:**

14.1 Unless otherwise provided, the Contract shall terminate upon expiry of the Term of the Contract. The Contractor shall be paid for the Work successfully completed and certified by Company Representative along with demobilisation charges, if any. Save as specified elsewhere in the Contract, Company shall have the right to terminate the Contract in the following circumstances:

A. Termination for Non- Mobilization or Non-commencement of Work

If the Contractor fails to timely mobilize the Materials or Equipment (fit for purpose) required to perform the work or having mobilized, fails to timely commence the work in accordance with the Scope of work and/or terms of the Contract, it would amount to material breach under the Contract and in such event, the Company shall have right to terminate the Contract immediately upon expiry of such specified time, unless otherwise provided or agreed by the Company.

Consequences of Termination:

Upon termination of Contract by Company under this sub-clause A, the Contractor shall not be entitled to any payment whatsoever. The Contractor shall immediately refund any sum which the Company might have paid in advance to the Contractor under this Contract. Unless, otherwise provided in the Contract, the Contractor shall compensate the Company for all losses, expenses etc. which the Company shall sustain on account of such breach by the Contractor.

B. Termination for events specified below:



Occurrence of any of events as specified below shall be construed as Event of Default. The Company shall inform the Contractor of the same by issuing a notice of default (hereinafter referred to as "Notice of Default"). If the Contractor, upon receipt of such notice, fails to remedy such default with Seven (7) days, then the Company shall have the right to terminate this contract forthwith. Event of default shall occur if the Contractor:

- a) Commences a voluntary proceeding, or an involuntary proceeding is commenced against the Contractor seeking liquidation, reorganization or other relief with respect to the Contract or its debts under any bankruptcy, insolvency or other similar laws now or hereafter in effect, or seeking the appointment of a trustee, receiver, liquidator, custodian or other similar official of the Contractor for a substantial part of its property, or if the Contractor shall consent to any such relief or to the appointment of or taking possession by any such official in any such proceeding commenced by or against a Contractor; or
- b) Makes a general assignment for the benefit of its creditors; or
- c) Refuses or fails to supply enough properly skilled workmen or proper equipment, or materials or services to accomplish the Work in accordance with the original work schedule/scope of work and the contract; or
- d) Fails to make prompt payment to Sub-contractors or materials, equipment or labour; or
- e) Is in breach of Applicable Law; or
- f) Otherwise breaches the provisions of the contract or part thereof; or
- g) Suspends or abandons activities in the Work site; or
- h) Is wound up (not being a member's winding up for the purpose of reconstruction or amalgamation only) or if a receiver or manager on behalf of a creditor shall be appointed or if any deed or action substantially equivalent to any of the foregoing deeds or actions either in Indian law or applicable law shall occur; or
- i) Fails to provide uninterrupted services/perform work.

Consequences of Termination:

Upon termination of Contract by Company under this sub-clause B, the Contractor shall be entitled to payment for the work successfully completed and certified by the Company Representative till the date of Termination. Further, the Company shall be entitled to take possession of the Work (excluding the equipment and personnel) and finish the Work at the risk and cost of the Contractor by whatever method Company deems just and expedient. Unless otherwise provided in the Contract, the Contractor shall compensate the Company for all losses, expenses etc. and additional expenses which the Company shall sustain, to get the work executed, on account of such breach by the Contractor.

C. Termination in the event of Force Majeure

In the event that a condition of Force Majeure exists at the Site for a period of fifteen (15) consecutive days, Company shall have the right to terminate this Contract by giving two (2) days advance notice to Contractor.

Consequences of Termination:

Upon termination of Contract by Company under this sub-clause C, the Contractor shall be entitled to payment for the work successfully completed and certified by the Company Representative till the date of Termination, if applicable as per Contract. No Party shall be obligated to pay the other Party for losses, expenses, damages etc. sustained on account of event of Force Majeure.

D. Termination for Convenience

Notwithstanding anything to the contrary under this contract, Company shall have a right to terminate the Contract in whole or in part, at any time with fifteen (15) days prior written notice thereof to the Contractor. Upon any such termination the Contractor irrevocably agrees to waive any and all claims for damages, compensations, including loss of anticipated profits, on account thereof, and as the sole right and remedy of the Contractor, Company shall pay the Contractor in accordance with Price Schedule mentioned in the Contract for the work / services performed by the Contractor till the date of such termination.



Consequences of Termination:

Upon termination of Contract by Company under this sub-clause D, the Contractor shall be entitled to payment for the work successfully completed and certified by the Company Representative till the date of Termination as well as demobilization charges, if applicable in the Contract.

E. Termination for non-performance or non-satisfactory performance of the Work

The Contractor shall perform the work in accordance with Good Oilfield Practices and the terms and conditions of the Contract. If the Contractor does not perform the Work or any part thereof or its performance is non-satisfactory, then Company shall issue a notice ("**Remedy Notice**") to the Contractor to remedy such non-performance or non-satisfactory performance provided the Contractor has not demobilized. Upon receipt of such Remedy Notice, the Contractor shall remedy such default within Seven (7) days. The Company may ask the Contractor to remedy the default in any of such services, at sole risk and cost of Contractor. In the event, the Contractor fails to remedy such default within the specified period or the performance of the Contractor is non satisfactory repeatedly; the Company shall have a right to terminate the Contract immediately without any further notice.

Consequences of Termination:

Upon termination of Contract by Company under this sub-clause E, the Contractor shall be entitled to payment for the work successfully completed and certified by the Company Representative till the date of Termination. Further, the Company shall be entitled to take possession of the Work (excluding the equipment and personnel) and finish the Work at the risk and cost of the Contractor by whatever method Company deems just and expedient. Unless otherwise provided in the Contract, the Contractor shall compensate the Company for all losses, expenses etc. the additional expenses which the Company shall sustain on account of such breach by the Contractor.

F. Termination for Breach of any Undertaking

In the event after the award of Contract, it is discovered/found by GEL that any of the conditions stated in the Undertakings furnished by the Contractor under this Contract at the time of bidding is found to be false or any event mentioned in such undertaking occurs after the award of the Contract, GEL shall have a right to terminate the Contract immediately at its sole discretion by giving notice of termination to the Contractor. This shall be without prejudice to company's rights and obligations under the Contract or under the law, including right to recover damages from the Contractor.

14.2 Upon receipt of Notice of Termination, the Contractor shall, unless a notice directs otherwise:

- a) Immediately discontinue the work from that date and to the extent specified in the notice;
- b) Place no further orders or agreements for materials, equipment, services or facilities except as may be necessary for the completion of such portion of the work which is directed to be continued;
- c) Promptly make every reasonable effort to procure cancellation upon terms satisfactory to Company all orders and sub-contracts to the extent they relate to the performance of the discontinued portion of work; and
- d) Do only such work as may be necessary to preserve and protect Work already in progress and protect materials, facilities and equipment on the work site or in transit thereto.

14.3 The exercise of any of the rights granted to Company hereunder shall not prejudice or affect any other rights of action or remedy, which have accrued or shall accrue thereafter to Company.

14.3 Upon termination of Contract, the obligation of the Contractor shall continue as to portions of the work already performed and as to obligations assumed by the Contractor prior to the date of termination.

14.4 Payment upon Termination

If the unpaid balance of the Contract Price exceeds the cost incurred by the Company on finishing the work as provided in the Contract, such excess shall be paid to Contractor upon completion of



the Work. If the unpaid balance of the Contract Price is lower than the cost incurred by the Company on finishing the work as provided in the Contract, the Contractor shall promptly pay the difference to the Company upon receipt from the Company of the certificate certifying the amount of such difference. Obligations arising under this article shall survive the termination of the contract.

15. **Indemnity and Liabilities**

- 15.1 **Indemnity by Contractor:** Contractor shall be responsible at all times, including time in storage, in transit or at work site and shall indemnify and keep the Company Group indemnified and harmless under the Contract for performance of obligations by the Contractor hereunder save as is otherwise herein specifically provided, and indemnify and hold harmless Company Group from any and all claims, actions, proceedings, suits, demands, charges, liabilities, costs, damages and expenses of every kind and nature or other obligations hereunder directly or indirectly associated herewith, judgments and fines arising out of or in the course of execution of work or on account of breach of warranties/undertaking set forth in this contract or otherwise breach of terms and conditions of this contract, including but not limited to Claim with respect to sickness, injury or death of any Contractor's Personnel and to damage or destruction to any property owned, hired or supplied by Contractor arising directly or indirectly during or as a result of the performance of this order from any cause whatsoever, (except if directly caused by the Gross Negligence or Willful Misconduct of Company).
- 15.2 **Indemnity by Company:** Company shall, save as is otherwise herein specifically provided, indemnify the Contractor with respect to Company's Personnel or damage or destruction of Company's Equipment and any other property of Company arising directly or indirectly during and as a result of the performance of this Contract (except if caused by the Gross Negligence or Willful Misconduct of Contractor).
- 15.3 **Patent Indemnity:** Contractor shall indemnify and hold harmless Company Group, from and against any and all claims, losses, damages, liability, suits and demands arising from actual or alleged infringements of any patent or patent right, copy right or similar protection in connection with the Work, except where such claims arise out of work and material furnished in accordance with drawings and specifications provided by GEL.
- 15.4 Notwithstanding anything above, the Contractor shall defend, indemnify and hold harmless the Company along with its Co-Venturers and their owned, controlled, affiliated and subsidiary companies and the stockholders, directors, agents, employees and representatives of each, from and against any and all claims or losses of whatever kind and nature, including all related costs and expenses incurred in connection therewith in respect of (i) personal injury, illness or death of a third party; and/or (ii) loss of or damage of any kind to any facilities, tools, equipment and/or personal belongings of a third party; to the extent the same arises out of breach of the obligations hereunder or, negligence and/or breach of the duty (statutory or otherwise) of Contractor Group.

16. **Contractor's Responsibility for Pollution**

- (a) Contractor undertakes that substances or rubbish in any form originating from Contractor's materials/Equipment shall not be dumped or discharged at, or around the well location/designated location/work site, during the performance of work and/or after completion of work. However, in the event of such dumping or discharge by Contractor, Contractor shall immediately assume all responsibility for the cost of removal of items, substances or rubbish so dumped or discharged and for any resulting pollution or contamination of any form in the well location and the surrounding area and shall take necessary and adequate steps to prevent environmental damage and, where some adverse impact on the environment is unavoidable, to minimize such damage to extent possible and consequential effects thereof to the property and people
- (b) If Company has, reasons to believe that any Work by the Contractor or any operations conducted by the Contractor are endangering or may endanger persons, or are causing avoidable pollution, or are harming fauna and flora or the environment, Company may pursuant to applicable period as may be determined by Company and, if appropriate, repair such damage or remedy such loss at the cost of the Contractor, Company may, pursuant to Applicable Law, require the Contractor to discontinue operation/ work in whole or in part without any cost to Company until the Contractor has taken such action to rectify the above events.



- (c) The Contractor shall ensure that:
- (i) The Work is conducted in an environmentally acceptable and safe manner consistent with Good International Petroleum Industry Practice and that such Work is professionally monitored.
 - (ii) Any contract entered into between the Contractor and its Sub-contractors relating to the Work shall include the provisions stipulated herein and any established measures and methods for the implementation of the Contractors obligations in relation to the environment under the Contract.
17. **HSE:** In provision of Work, Contractor shall address all the issues related to Health, Safety and Environment including but not limited to abiding by the applicable laws, its employees' Health and Safety, selection of Environmental friendly materials, etc. It is mandatory that all Contractor's personnel shall wear steel-toed safety boots, safety glasses and helmets which shall be supplied to them & borne by the Contractor. Over and above the Contractor / Supplier shall abide by all our Health, Safety and Environmental policies of the Company as well as under the applicable laws, including those related to the use of machinery, etc as may be applicable.
18. **Liquidated Damages:**
- 18.1 If Contractor for any reason other than Force Majeure, fails to timely mobilize any of the materials/Equipment (fit for purpose) and/or Contractor's Personnel/manpower (with requisite experience) as per the Scope of Work at designated location/ Site as per the time schedule mentioned in the Contract or Mobilization Notice for Callouts issued by the Company or fails to timely commence, continue to perform the Work in accordance with the terms of this Contract or if the Contractor repudiates the Contract before completion of the Works in accordance with the Contract or otherwise commits the breach of any of the provisions of the Contract, without prejudice to any other right or remedy available to the Company, the Company shall have a right to seek payment from the Contractor and the Contractor shall pay to Company, as ascertained and pre-agreed liquidated damages, and not by way of penalty, One percent (1%) of Contract Value for each week or part thereof of such late commencement/delay of the Work or each interruption of Work up to a maximum of Ten percent (10%) of Contract Value. GST (if applicable) on the said liquidated damages will be charged extra and the Contractor shall be liable to pay the same along with amount of liquidated damages. The Parties agree that the liquidated damages ascertained above are genuine pre-estimate of losses / damages likely to be suffered by the Company in the aforesaid circumstances.
- 18.2 The Parties agree that the liquidated damages indicated hereinabove are genuine pre-estimate of the minimum loss/ damage which Company will suffer on account of delay/ breach on the part of the Contractor and the said amount shall be payable without any requirement of proof of the actual loss or damage caused by such delay/ breach.
- 18.3 Company may without prejudice to its right to effect recovery by any other method, deduct and withhold the amount of liquidated damages from any money belonging to the Contractor in its hands (which includes Company's right to claim such amount against Contractor's Performance Bank Guarantee) or which may become due to the Contractor. Any such recovery of liquidated damages shall not relieve the Contractor from any of its obligations/ liabilities under the Contract.
- 18.4 The payment of liquidated damages pursuant to this section shall not affect the other rights of Company as per Contract or Applicable laws including the following rights to:
- 1. Terminate the Contractor or a portion or part of the Work thereof at any time during the Term of the Contract and/or,
 - 2. Recover damages resulting from Contractor's breach of any of the provisions hereof and/or,
 - 3. Get the Work done by any other contractor at the risk and cost of the Contractor and/or,
 - 4. Invoke Performance Bank Guarantee or any other security provided by the Contractor and/or,
 - 5. Recover actual and/ or amount payable by the Company to its contractors or Sub-contractors or third party for the services relating to the Work.



18.5 By way of abundant caution, it is clarified that during this period of delay, Contractor will not be eligible for any payment, whatsoever.

19. **Force Majeure:**

19.1 Where any Force Majeure event renders impossible or hinders or delays the performance of any obligation then the failure or omission of Company or Contractor to perform such obligation shall not be treated as a failure or omission to comply with this Contract. "Force Majeure" shall mean any act which is insurmountable and outside the reasonable control of the parties Events of Force Majeure shall include, but shall not be limited to, acts of God, epidemic/pandemic, landslide, lightning, earthquake, flood, fire, explosion, major storm (hurricane, typhoon, cyclone, etc.) or tidal wave, act of war (declared or undeclared) or public enemy, riots (otherwise than amongst Contractor's personnel), strike (excluding strikes, lockouts or other industrial disputes or action solely among employees of Contractor or its subcontractors), act or omission of sovereign states or those purporting to represent sovereign states, blockade, embargo, quarantine, public disorder, sabotage or any other events beyond the control of the parties or either of them. Strikes shall only be considered as Force Majeure if they are officially declared/ accepted strikes. However, Force Majeure shall not include occurrences as follows:

- (a) Delay in performance of delivery caused by congestion at Contractor's facilities or elsewhere, an oversold condition of the market, inefficiencies, or similar occurrences.
- (b) Late performance by Contractor and/or a sub-contractor caused by unavailability of equipment, supervisors or labor, inefficiencies or similar occurrences;
- (c) Mechanical breakdown of any item of Contractor's or its Sub-contractor's equipment, plant or machinery;
- (d) Delays due to ordinary storm, inclement weather, seasonal rains or monsoon;
- (e) Non-conformance by Sub-contractors;
- (f) Financial distress /hardship of or inability to make profit by of Contractor or any of its Sub-contractors; and
- (g) Failure to carry out contracted services in accordance with the instructions of the Company on account of any accident, breakdown or non-performance or unsatisfactory performance of any equipment(s) or on account of any reason within the control of the Contractor.
- h) Shortage of manpower

19.2 Any delay or failure in performance by either party hereto shall not give rise to any claims for damages or loss of anticipated profits if, and to the extent, such delay or failure is caused by Force Majeure. Neither Party hereto shall be liable to the other, for the payment of monies, for failure to perform any obligations hereunder when performance is hindered or prevented by Force Majeure. The affected party shall inform the other party immediately in writing (within 24 hours) of its inability to meet its obligations hereunder, specifying the cause of Force Majeure, and shall do all that is reasonably within its power to remove the Force Majeure conditions. Such party shall advise the other party when such Force Majeure ceases (within 24 hours of ceasing of Force Majeure) and shall resume performance of its obligations hereunder as soon as reasonably possible thereafter. No payment will be due to the Contractor between the commencement of Force Majeure and commencement of Normal operations by the affected party.

19.3 The affected party shall make every reasonable effort to remove or remedy the cause of such Force Majeure or mitigate its effect as quickly as may be possible. In the event that a condition of Force Majeure exists at the site for a period of at least fifteen (15) consecutive days, Company shall have the right to terminate this Contract by giving Two (2) days advance notice to Contractor.

20. **Settlement of Disputes / Arbitration:**

- i. The Company and the Contractor undertake that all disputes, differences or questions at any time between the parties as to the construction to this Contract or as to any matter or thing arising out of it or in any way connected therewith ("Disputes") shall be resolved between the parties in good faith.



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- ii. Should any Dispute cannot be resolved between the parties within sixty (60) days or any agreed extension thereof, any Party may refer the dispute to arbitration by a sole arbitrator to be mutually appointed by the Parties. Unless otherwise agreed in writing, the arbitration shall be held at Gandhinagar, Gujarat, India and shall be conducted in accordance with Indian Arbitration and Conciliation Act 1996 (including any statutory modifications or reenactments thereof) and rules there under excluding any laws, opinions, or regulations that would require application of the laws of any other jurisdiction. The arbitrator to be appointed shall be retired Judge of any of the High Courts or Supreme Court of India. Unless otherwise agreed in writing, the seat of arbitration shall be Gandhinagar, Gujarat, India.
 - iii. The English language shall be used in the arbitral proceedings. Unless otherwise agreed in writing, each party shall equally bear the cost of arbitration.
 - iv. It is also a term of the Contract that the Contractor shall not stop the Work under this Contract and the Work shall continue as expected regardless of whether the arbitration proceeding have commenced or not.
 - v. Notwithstanding any disagreement, dispute, protest, request for arbitration or court proceedings relating directly or indirectly to the Work, at all times, Contractor shall proceed with the Work in accordance with the determinations, instructions and clarifications of Company. If the Contractor fails to proceed with the Work, he shall be considered to be in default and shall be held liable for any for any direct, indirect or consequential costs and expenses arising from such default. During the period Contractor is proceeding with the Work, he shall be paid the undisputed portion of his claims which are due under the Contract.
 - vi. The right to arbitrate disputes and claims under this Contract shall survive the termination or invalidity of this Contract or any term hereof.
 - vii. Any award rendered by the arbitrator shall be final and binding upon the parties. Any judgment upon such award may be entered in any court having jurisdiction or application may be made to such court for a judicial confirmation of such award and judgment or order of enforcement, as the case may be.
21. **Governing Law:** This Contract/Service Order shall be governed by and construed in accordance with laws of India and the Parties submit to the exclusive jurisdiction of courts of Gandhinagar, Gujarat, India. This Clause survives the expiry/termination of this Contract/Service Order.
22. **Consequential Damage:** Notwithstanding anything else contained herein to the contrary and subject to Clause 20(v), neither party shall be liable to the other for special, indirect or consequential damage resulting from, or arising out of this Contract including but not limited to, loss of profit, loss of revenue, anticipated profits, loss of business opportunity or business interruption, suffered by such Party.
23. **Time is of Essence:** Time is the essence of the Contract and timely execution/completion of work in accordance with the terms of the Contract has to be strictly complied with, failing which the Contractor will have to indemnify GEL of all the loss or expenditure that GEL may incur or has incurred.
24. **Severability:** If any portion of this Contract is determined to be illegal, invalid or unenforceable, for any reason, then, insofar as is practical and feasible, the remaining portions of this Contract shall be deemed to be in full force and effect as if such invalid portions were not contained herein.
25. **Confidentiality:**
- i) All information and other materials disclosed, furnished, communicated or supplied by a party; hereinafter the Disclosing Party to the other Party; hereinafter the Receiving Party, including the Receiving Party's directors, officers, employees, Affiliates, or its expressly authorized representatives or agents are strictly confidential and shall be considered as Confidential Information. The Parties agree that Confidential Information shall not be divulged by Receiving party to any third party during the Term of this Contract or thereafter for a period of five (5) years from such disclosure or the determination of the 5 year period, whichever is later, without the Disclosing Party's prior written consent.



- ii) For avoidance of doubt, "Confidential Information" shall be deemed to include all information including but not limited to any technical, commercial and financial information, improvement, inventions, know how, innovations, technology, trade secrets, professional secrets, copyrights and any other intellectual property, discoveries, ideas, concepts, papers, software in various stages of development, techniques, models, data, source code, object code, documentation, manuals, flow charts, research, process, procedures, functions, customer names and other information related to customers, price lists and pricing policies. However, the Parties hereto acknowledge that Confidential Information shall not include any information that:
- a) is now or subsequently becomes publicly known or available without breach of this Contract by the Receiving Party;
 - b) was previously in the possession of the Receiving Party without any obligation of confidentiality and which was not acquired from, provided, given, sold or otherwise disclosed (directly or indirectly) by the Disclosing Party not through this Contract.
 - c) is to be shared by GEL with its JV partners, to regulatory authorities, Government, Courts or other authorities required by law or in the course of legal proceedings
- iii) The Contractor shall obtain written approval from Company prior to making any publicity release or announcement regarding the Contract, the Works or Contractor's activities related to its participation in the Work or any other Confidential Information. If so requested by Company, Contractor further agrees to require the Contractor's Personnel, its Sub- Contractors, and their employees to execute appropriate undertakings of confidentiality similar to that imposed on the Contractor under this Clause, prior to performing any Work under this Contract.
- iv) The Contractor shall hold the Confidential Information confidential and shall not divulge or disclose the Confidential Information, or make the Confidential Information available to any person or entity, other than its authorized representatives and ensure that only such authorized representatives who are expressly authorized by it to and whose duties require them to possess the Confidential Information shall have access to the Confidential Information on a need-to-know basis. In case of any breach of these terms or any act or omission by the Contractor, Contractor's Personnel, Sub-Contractors or any of their authorized representatives, the Contractor agrees to indemnify GEL for any losses or damages suffered on account of breach by the Contractor.
26. **Conflict of Interest:** Contractor/Supplier represents and warrants that it is not aware of any conflict of interest with respect to this Contract. Without limiting the foregoing, Contractor represents specifically that neither Contractor nor Contractor's Personnel have knowingly promised or conferred any financial benefits, of any kind whatsoever, to any employees of GEL or such employees' dependents in connection to the Contractor or Contractor's Personnel in obtaining this Contract or performing its terms and conditions. Contractor shall exercise reasonable care and diligence to prevent any actions being taken or conditions from arising which could result in a conflict with GEL's best interest.
27. **Waiver:** None of the provisions of this Contract shall be considered waived by GEL unless GEL gives such waiver in writing. No such waiver shall be of any past or future default, breach or modification of any terms, provisions or conditions of this Contract unless expressly set forth in such waiver. None of the following shall release Contractor from any of the warranties or obligations of this Contract or be deemed a waiver of any right or remedies as to any prior or subsequent default in accordance with the Contract:
- Failure by GEL to insist upon strict performance of any terms or conditions of this Contract, or
 - Failure or delay to exercise any rights or remedies provided herein or by law, or
 - Failure to properly notify Contractor in the event of breach, except for any breach which according to provisions of Contract has to be notified, or
 - Acceptance of or payment for any Service of Contractor.
28. **Notices:** All notices and other communications provided for in this Contract shall be in writing and shall be delivered at the addresses for notices given in the Contract. A party may notify the other from time to time of changes in the address for notices. E -mails and facsimile transmissions shall be held to have been received at the time of transmission report.



29. **Independent Contractor:** Contractor shall perform the work as an independent contractor. Contractor is not and shall not become or represent itself as Co-venturer, Affiliate, partner, employee or agent of GEL. The Contract does not form any agency, partnership, joint ventures or joint relationship between the Parties. Subject to the compliance with the Contract, the Contractor shall be solely responsible for the manner in which Works are performed. All Contractor's Personnel/ representatives engaged by the Contractor in performing the Contract shall be under the complete control of the Contractor and shall not in any event be deemed to be the employees of GEL. Contractor shall be responsible and shall indemnify GEL for all acts, defaults, omissions or negligence of the Contractor, Contractor's Personnel, its Sub-contractors and their respective agents, servants, employees, workmen, and representatives.
30. **RECORDS & INSPECTION**
Contractor shall keep detailed records of all work performed, including records evidencing planned and actual compliance. Contractor shall furnish to Company an accurate record of the Work performed on a daily basis as per Company's requirements. The job sheet shall be signed by Contractor's representative before the same is submitted to the company. The Contractor shall present such records to the Company for inspection whenever requested. The Company is at liberty to inspect any equipment's during performance of the Contract and the Contractor shall remedy any defects found free of cost. Any defects and deficiencies that are noticed during this inspection will have to be attended by the Contractor from time to time.
31. **Suspension:**
- 31.1 The Company shall have the right, by notice to the Contractor, to suspend the Services for its own reasons or if in the opinion of Company the Contractor has neglected or failed to proceed with due diligence and expedition in the performance of his obligations under the Contract or for any other reasons, as it may deem fit.
- 31.2 On receipt of the notice, the Contractor shall unless instructed otherwise, discontinue the Services or part thereof as detailed in the notice, on the date and to the extent specified.
- 31.3 In the case of 32.1 above, before the issue by the Company of a notice to suspend the Services or any part thereof the Company shall give notice of defect to the Contractor giving details of such defect. If the Contractor within 48 hrs of receipt of such notice, does not commence and thereafter continuously proceed with action satisfactory to the Company to remedy such defect, the Company may issue a notice of suspension in accordance with the provisions of this Clause.
- 31.4 If the Contractor fails to remedy the default as prescribed in the notice as per the time stipulated therein, Company shall have a right to terminate the Contract.
- 31.5 If suspension results from default on the part of the Contractor, any additional costs incurred by the Company as a result shall be recoverable by the Company from the Contractor.
- 31.6 The Company may, by further notice, instruct the Contractor to resume the Services to the extent specified.
32. **Other Conditions and Stipulations:** It is mandatory that all Contractor's personnel shall wear steel-toed safety boots, safety glasses and helmets which shall be supplied to them by the Contractor at its cost. Over and above the Contractor / Supplier shall abide by all our Health, Safety and Environmental policies of GEL.



GEL SAFETY RULES

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The following rules outline some of the basic safety requirements for all GEL worksites. These rules will be reviewed with all employees and contractors and will be a topic of regular safety meetings.

- 1.0 The use alcohol or illegal drugs while on company business, whether on client property, or in company vehicles or privately owned vehicles hired temporarily or permanently by the company will **NOT** be tolerated, and will lead to dismissal.
- 2.0 Hard Hats approved by GEL will be worn at all times on worksites. Contractors are to provide their own PPE, however, in certain circumstances, GEL **may** provide PPE on a temporary or cost recovery basis.
- 3.0 GEL approved safety boots are required on all worksites.
- 4.0 Clean protective clothing suitable to the job being done and weather conditions must be worn. Appropriate gloves shall be worn as required by the task at hand.
- 5.0 Appropriate hearing protection and/or GEL approved eye protection will be worn as dictated by the work being performed.
- 6.0 Appropriate fire retardant clothing will be worn on worksites by all of our personnel as dictated by the work being performed.
- 7.0 Smoking is permitted only in designated areas. Designated smoking areas may need to be changed from time to time as new fire/explosion hazards are identified.
- 8.0 GEL Ground Disturbance Procedures will be adhered to when performing any excavations.
- 9.0 Company vehicles/equipment will be operated as per posted speed limits, regulations and operating manuals. Seat belts where available must be worn at all times. Always walk around the vehicle/equipment before starting out. Non-essential vehicles are not allowed within 30 meters of well, separator, storage tank. Vehicles entering well site are required to be equipped with spark arrestors and may be subject to inspection and/or work permit. Spotters for heavy equipment and vehicles will be provided where necessary. Spotter shall wear reflective vests.
- 10.0 Non-essential persons shall be kept out of well site and construction areas.
- 11.0 No electrical appliance, equipment or machinery including lighting apparatus, mobile phones, or non-intrinsically safe radios shall be used in Zone '0' hazardous area, or in Zone 1 areas without utilizing the Permit to Work System (hot work).
- 12.0 Riders are not permitted on heavy equipment. Operators shall ensure the equipment is fully stopped and secured prior to dismounting.
- 13.0 Appropriate fall protection equipment is required when working above 2 meters. This includes full body harness, lanyards, and climbing devices where required.
- 14.0 Only GEL approved slings shall be used for lifting operations and tag lines will be provided for suspended loads. Site safety officers shall inspect lifting equipment and lifting operations on a routine basis.
- 15.0 Hazards are to be immediately reported to a supervisor or the GEL Safety Officer.
- 16.0 Keep the work site clean and organized.
- 17.0 GEL management may exempt certain visitors from Rules 4, 5, and 6 provided that the visitor will not be unduly exposed to any hazard, and, will be accompanied by competent GEL staff at all times.

Compliance with these rules is mandatory – non-compliance will lead to dismissal. These rules shall be posted at all company worksites



Attachment-1

BIDDERS RESPONSE ACKNOWLEDGMENT OF REQUEST FOR QUOTE PACKAGE

Tender: _____

As a delegated authority/representative of the organization named below, I have reviewed the contents of the package and on behalf of my company, acknowledge the receipt of the same and advise that we will:

BID_____

NOT BID_____

Reason for no Bid (optional): _____

For

Name of Company : _____

Signature : _____

Title : _____

Date : _____

Transmittal of signed scanned copy via email to: abhishek.kumar@gujenergy.com;
manoj@gujenergy.com ; alpeshshah@gujenergy.com

ON LETTER HEAD OF THE BIDDER

Attachment - 2
DECLARATION OF NO DEVIATIONS/ EXCEPTIONS

TENDER NO.: _____

(To be submitted as part of Technical bid)

(on Company Letter-head)

Bidder's Name _____

[Address and Contact Details]

Bidder's Reference No. _____ Date.....

Tender Document No.

Subject : Declaration of Compliance with Tender Terms and Conditions

We hereby confirm that we have thoroughly read, understood, and acknowledged the terms and conditions of this tender. Where necessary, we have sought and obtained clarifications from GEL. Additionally, we have duly noted all clarifications, amendments, and addenda issued by GEL in relation to this tender and have accordingly submitted our bid.

We further confirm that our submission does not include any deviations, exceptions, or reservations to the terms and conditions set forth in the tender document or any subsequent clarifications, amendments, or addenda issued by GEL.

We unconditionally accept and agree to comply with all terms and conditions of the tender without variation or modification. Any terms and conditions stated elsewhere in our bid that are contrary to the tender requirements shall be deemed null and void.

.....
(Authorized Signature with date)
.....

(BIDDER TO USE THE ABOVE FORMAT ONLY, FOR SUBMISSION. NO OTHER FORMAT SHALL BE ACCEPTED)

Attachment-3

BID BOND

TO: Gujarat Energy Limited, a company incorporated under the provisions of the Companies Act, 1956 and having its registered office at Gujarat Energy Bhavan, Sector -11, Gandhinagar, Gujarat, India. (hereinafter referred to as "GEL").

WHEREAS :

.....(hereinafter referred to as "Tenderer") has submitted a proposal dated("hereinafter referred to as Proposal") against Tender/RFQ/Inquiry No.: _____ dated _____ for Tendered Services/Supplies (hereinafter referred to as the "Tender/RFQ/Inquiry").

NOW, THEREFORE,

(1) In response to the request made by the Tenderer, we (Name of Banker/Insurer:) _____ (hereinafter called the "Guarantor") hereby irrevocably and unconditionally guarantee the sum of Indian Rupees Rs._____/ - (INR _____) Only in favor of GEL, if Tenderer fails to perform its obligations as set forth below:

- (i) The Tenderer agrees to keep the Proposal open for acceptance by GEL during the period of validity (150 days from the Closing Date) specified in the Tender/RFQ/Inquiry.
- (ii) The Tenderer, having been notified of acceptance of its Proposal by GEL during the period of Tender validity:
 - (a) Fails or refuses to execute the agreed Contract/Service/Purchase Order, if required; or
 - (b) Fails or refuses to furnish the Performance Bank Guarantee in accordance with the format provided in the Tender/RFQ/Inquiry document; or
 - (c) Seeks Variation or modification of Proposal; modifications to the agreed terms and conditions
 - (d) Tries to influence GEL on bid evaluation, bid comparison or Contract/Service/Purchase Order award decision.

The sum shall become payable by us immediately on first demand by GEL without proof or conditions notwithstanding any constitution or protest by the Tenderer or any other third party.

- (2) GEL shall have the full liberty without our consent and without affecting in any manner, our obligation hereunder, to relax any of the terms and conditions of the aforesaid Tender, from time to time, or to postpone any time any of the powers exercisable by GEL against the said Tenderer and Guarantor shall not be relieved from its liabilities by reason of any such relaxation being granted to the Tenderer by GEL or any indulgence by GEL to the said Tenderer or by any such matters or things whatsoever.
- (3) The Guarantor shall not be discharged or released from this Guarantee by any Contract/Service/Purchase Order made between the Tenderer and GEL with or without the consent of the Guarantor or by any alteration in the obligations undertaken by the Tenderer or by any change in name or constitution of GEL or the Tenderer.
- (4) The Guarantee herein shall not be affected by any change in the constitution of the Bank or the Tenderer.
- (5) This Guarantee shall not be revoked during its currency, and shall remain in effect for One Hundred



and eighty (180) days from the Tender Closing Date.

- (6) This Guarantee shall be governed and construed in accordance with the laws of India and all of the parties to this Guarantee hereby irrevocably submit to the non-exclusive jurisdiction of Courts in Gandhinagar.

IN WITNESS whereof this Guarantee has been duly executed by GUARANTOR the _____ day of _____ for and on behalf of (_____)

Name : _____

Designation : _____

Banker's Seal : _____

Address : _____

Refer Attachment – 5: Finance Department, GR No. FD/MSM/e-file/4/2025/2712/D.M.O. dated 01/04/2026

ALTERNATIVELY THE BIDDER CAN SUBMIT DEMAND DRAFT FOR THE BID BOND VALUE. THE DEMAND DRAFT SHOULD BE MADE IN FAVOUR OF "GUJARAT STATE PERTROLEUM CORPORATION LTD." PAYABLE AT GANDHINAGAR/AHMEDABAD, GUJARAT. THE DEMAND DRAFT WILL BE GOVERNED BY THIS BID BOND TERMS & CONDITIONS. BIDDER MAY ALSO HAVE OPTION OF SUBMITTING THE BID BOND AMOUNT BY RTGS

BID BOND

It is a condition precedent to the acceptance of any Tender by the GEL that the Tenderer shall provide a Bid Bond by means of a Bank Guarantee for an amount stated in the Invitation to Tender in the prescribed format and valid for a period of 150 days from the Closing Date. The Tender may be disqualified in the absence of a Bid Bond in the prescribed format.

Conditions for Invoking of Bid Bond Guarantee

The following conditions would also lead to the invoking of Bid Bond Guarantee:

- a) If the Tender is withdrawn during the validity period or any extension thereof.
- b) If the Tender is varied or modified in a manner not acceptable to GEL during the validity or agreed extension validity period duly agreed by the Tenderer or after notification of award by GEL and prior to signing of the Purchase Order/Contract.
- c) If the successful Tenderer is seeking modifications to the agreed terms and conditions after notification of award or declines to accept the Letter of Intent/Award.
- d) If the successful Tenderer fails to furnish Performance Bank Guarantee within 21 days of the issue of the Letter of Intent/Award.
- e) Any effort by the Tenderer to influence GEL on bid evaluation, bid comparison or Purchase Order/Contract award decision.

The formats for any of the Bank Guarantees shall not be changed except for any minor variations that the Bank may require. Failure to comply with this requirement may entail disqualification of the Tender.



Attachment - 4

PERFORMANCE BANK GUARANTEE FORMAT

TO: Gujarat Energy Limited, a company Incorporated under the Company’s Law 1956 and having its registered office at “Gujarat Energy Bhavan, Behind Udyog Bhavan, Sector – 11, Gandhinagar – 382 010, Gujarat, India (herein after called “GEL/Company”).

WHEREAS:

- (1) By a Contract No. _____ dated _____ (hereinafter referred to as the “Contract”) for the Provision of _____ between _____ (hereinafter called the “Contractor”) of the one part and Company of the other part, the Contractor agrees to perform the Services in accordance with the Contract.
- (2) In response to the request made by Contractor, we ...(Name of Banker:)... (hereinafter called the “GUARANTOR”) hereby irrevocably, payable on first demand and unconditionally guarantee in favor of GEL, the payment of amounts (without any withholding, deduction or set off) the sum of IN Rs. _____ (Rupees _____), as guarantee for obligation of the Contractor to perform the work in accordance with the Contract. The sum shall become payable by us immediately on first demand by Company without proof or conditions notwithstanding any dispute or protest by the Contractor or any other third party. Multiple demands may be made in respect of our guaranteed obligations.
- (3) We shall not be discharged or released from this Guarantee by any waiver, modification, agreements made between the Contractor and GEL with or without the consent or by any alteration in the obligations undertaken by the Contractor or by any forbearance whether as to payment, time performance or otherwise, or by any change in name or constitution of GEL or the Contractor.
- (4) This Guarantee is a continuing security and accordingly, shall remain in operation for 90 days after the completion of the Contract period. This Guarantee shall be valid upto _____.

We agree that the Guarantee is given regardless of whether or not the sum outstanding occasioned by the loss, damages costs, expenses or otherwise incurred by GEL is recoverable by legal action or arbitration.

The rights under this Guarantee shall be assignable by GEL to third parties.
This Guarantee shall be governed by and construed in accordance with the laws of India.

The Guarantee herein contained shall not be determined or affected by the liquidation or winding up, dissolution or changes or constitution or insolvency of the said Contractor but shall in all respect and for all purposes be binding and operative until payment of all money due to you in respect of such liabilities is paid.

IN WITNESS where of this Guarantee has been duly executed by GUARANTOR this ___ day of _____, 2025 or and on behalf of ...(Contractor)....

Name : _____
 Designation : _____
 Banker’s Seal : _____
 Address : _____

Refer Attachment – 5: Finance Department, GR No. FD/MSM/e-file/4/2025/2712/D.M.O. dated 01/04/2026



Attachment - 5**LIST OF BANKS FOR SUBMISSION OF BANK GUARANTEES, "BID BOND" AND
"PERFORMANCE BANK GUARANTEE"**

Finance Department, GR No. FD/MSM/e-file/4/2025/2712/D.M.O. dated 01/04/2026

(A) Guarantees issued by following banks will be accepted as SD/EMD on permanent basis.

1. All Nationalized Banks

(B) Guarantees issued by following Banks will be accepted as SD/EMD for period up to March 31, 2027. The validity cut-off date in GR is with respect to date of issue of Bank Guarantee irrespective of date of termination of Bank Guarantee.

1. Axis Bank
2. A U Small Finance Bank
3. Bandhan Bank
4. City Union Bank
5. CSB Bank
6. DBS Bank India Limited
7. DCB Bank
8. Dhanlaxmi Bank
9. Equitas Small Finance Bank
10. Federal Bank
11. HDFC Bank
12. HSBC Bank
13. ICICI Bank
14. IDBI Bank
15. IDFC First Bank
16. Indusind Bank
17. Jammu Kashmir Bank
18. Jana Small Finance Bank
19. Karnataka Bank
20. Karur Vysya Bank
21. Kotak Mahindra Bank
22. RBL Bank
23. South Indian Bank
24. Standard Chartered Bank
25. Tamilnad Mercantile Bank
26. Ujjival Small Finance Bank
27. YES Bank
28. Ahmedabad Mercantile Co-operative Bank Ltd
29. Nutan Nagrik Sahakari Bank Ltd.
30. Rajkot Nagrik Sahakari Bank Ltd.
31. Saraswat Co-Operative Bank Ltd.
32. SBPP Co-Operative Bank Ltd.
33. SVC Co-operative Bank Ltd.
34. The Cosmos Co-op Bank Ltd.
35. The Gujarat Sate Co-operative Bank
36. The Surat District Co-Op Bank
37. The Surat People's Co. Op Bank Ltd.
38. The Baroda Central Co-operative Bank
39. The Panchmahal District Co-operative Bank Limited
40. The Kalupur Commercial Co-Op Bank



41. The Rajkot Commercial Co-operative Bank
42. The Banaskantha Mercantile Co-op. Bank Ltd.
43. Gujarat Gramin Bank

All the eligible banks are instructed to collect the original documents/papers of guarantee from the concerned tendering authority.

(Sandeep Kumar)
Secretary (Economic Affairs)
Finance Department

ATTACHMENT -6

Bid Evaluation Criteria (Bidder's Eligibility Criteria, Technical Bid Evaluation Criteria and Commercial Evaluation Criteria)

Engineering Procurement & Construction Services for Gas Monetization at SE#3 Quick Production System at Manipur, Ahmedabad (CB-ONN-2002/3 Sanand Miroli Block) in Gujarat, India

Hiring Nature : EPCC Services for Gas Monetization at SE#3 QPS

Block Name : CB-ONN-2002/3 – Sanand Miroli

BIDDER'S QUALIFICATION CRITERIA

Bidder to submit the following information/documents, in support of the following Criteria **(to be submitted in the Technical Bid)**.

Sr. No	Criteria	Supporting Documents
A	Technical Criteria	
A.1	<p>The BIDDER should have experience of Supply, Installation ,Testing and successfully commissioning of Gas Processioning Unit satisfying the following eligibility criteria during last 07 (Seven) years from the date of bid submission .</p> <p>a) One similar completed work of value not less than Rs. 5,21,00,000 OR</p> <p>b) Two similar completed works each of value not less than Rs.3,90,00,000 OR</p> <p>c) Three similar completed works each of value not less than Rs. 2,60,00,000</p>	<p>BIDDER shall submit the following documents:</p> <ol style="list-style-type: none"> 1. Copy of the valid LOI/Work Order issued by customer. Only those LOI/Work Order will be accepted and taken into account with respect to which the Work has been commissioned/ completed. 2. Satisfactory work completion certificate from the customer. In case, executed work value is not specified in the satisfactory completion certificate, in such case Bidder has to submit CA certificate on the basis of payment receipts from the company for the said service. 3. Name of the client, email ID contract person name, address to be provided for counter checking of experience criteria. 4. BIDDER shall submit confimity on letter pad for no deviations/exceptions as per Exhibit-A attached to the RFQ/Tender <p>Note:</p> <ol style="list-style-type: none"> 1. The experience list shall include only projects executed by BIDDER himself as a turnkey contractor which shall include entire Engineering, Procurement, Supply ,Installation ,Commissioning and not as a sub-contractor. 2. Bidders are requested to seek pre bid clarifications to any of their exception /



		<p>deviations before submission of the bid, this is to avoid longer time in concluding of exception / deviations post bid or rejection of the bids.</p> <p>3. GEL may seek clarification / missing information / documents on the above Criteria and the bidder shall make all efforts to satisfy/submit to GEL's queries prior to technical evaluation or else the bid will be rejected.</p>
A.2	Acceptance to Tender Terms and Conditions: Bidder to Submit Undertaking/Confirmation for unconditional acceptance to the terms and conditions and all applicable rules & regulations applicable therein	BIDDER shall submit the Undertaking as per Exhibit-B attached to the RFQ/Tender on his letter head duly stamped and signed.
B	Financial Criteria	
B.1	<p>Bid Bond /EMD : Bidder is required to submit BID BOND of Rs. 13,00,000/- (Rupees Thirteen Lakh Only) as per terms and conditions of this tender in GEL Account as mentioned below:</p> <p>Account Name: GEL CBONN 2002/3 SANAND JV ACCOUNT Gujarat State petroleum Corporation ltd CBONN 2002/3 SANAND JV ACCOUNT Account Number : 57500001061647 IFSC code : HDFC0000006 Account Type : Current Name of the Bank : HDFC Bank</p>	<p>BIDDER shall submit the documentary proof for deposition of Bid Bond/EMD along with Technical Bid.</p> <p>Note: <i>Upon submission of the bid bond by RTGS/Demand Draft, the bidder to submit "bid bond Form" & "Vendor Registration Form" along with the requested documents. Bid bond form & Vendor Registration Form are attached as Exhibit-C & Exhibit-D to the RFQ/Tender</i></p>
B.2	<p>Average annual turnover of BIDDER for the last three (3) financial years (FY: 2022-23, 2023-24, 2024-25) should be minimum Rs 8,10,00,000 /- or more.</p> <p>In case the date of constitution / incorporation of the bidder is less than 3-years-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for these criteria.</p>	<p>BIDDER shall submit the following documents:</p> <p>A certificate from the Chartered Accountant (With UDIN) indicating the turnover details and net worth for the relevant period shall be uploaded with the bid.</p> <p>Note: <i>If audited financial report of Last FY 24-25 is not available, then preceding Financial Year shall be considered and relevant documents shall be provided.</i></p>
B.3	<p>The Net Worth of the Bidder during the last Financial Year shall be positive, wherein the Net Worth shall be calculated as follows:</p> <p>Net Worth = (Equity + Reserves) – (Revaluation reserves+ intangible assets + miscellaneous expenses to the extent not written off + carried forward losses).</p>	<p>The Bidder shall submit audited annual reports of FY 2022-23, FY 2023-24 and FY 2024-25.</p> <p>Note: <i>If audited financial report of Last FY 24-25 is not available, then preceding Financial Year shall be considered and relevant documents shall be provided.</i></p>
C	Checklist To Be Filled By Bidder	
C.1	Bidder is required to submit the details as per attachment named Exhibit-E "Checklist with Details for document for Bid Evaluation Criteria". Non submission would lead to rejection of the bid.	



D Other Criteria for Qualification		
D.1	Holiday list/ black listing: The Bidder shall not be on holiday list/ black-listed by GEL or any of the Group Companies of GEL.	Bidder shall submit self-declaration certificate /undertaking in this regard <i>as per Exhibit-F attached to the RFQ/Tender.</i>
D.2	MOU (Memorandum of Understanding)	No Memorandum of Understanding (MoU) is allowed for participation in the Bid. Bidder must bid on sole capacity and fully responsible for performance of the services.
E COMMERCIAL BID EVALUATION CRITERIA		
E.1	Only the responsive bids conforming to the above-mentioned bidder's eligibility criteria and technical bid evaluation criteria will be considered for further evaluation.	
E.2	To identify the commercially lowest evaluated bid (L1) of the technically qualified bidders, the L1 price quoted/derived for all the items (the total sum cost) mentioned in Price Table-A (Post e- Reverse Auction and Negotiation) shall be considered for award of Work.	

Notes (Most Important):

1. Bidder shall submit all supporting documents in English language only. In case the certificates/ documents are in a language other than English, translated documents of the same, duly attested by a third-party agency, shall however be submitted along with the technical bid
2. Bidder shall submit all qualification documents (preferably colour scan copy) as mentioned above on N-procure. No additional documents in the physical form shall be considered.
3. Bidder shall provide the Name of the client, email ID contract person name, address to be provided for counter checking of experience criteria.
4. Bidder shall provide the complete details of the base from where he intends to operate against this RFQ/Inquiry.
5. Bidders are required to engage a Third Part Inspection (TPI) agency (namely: Bureau Veritas, DNV, Lloyds or any reputed agency) at their cost during project execution to carry out stage-wise inspection/witness and review of documents as deemed necessary.

ON LETTER HEAD OF THE BIDDER



Exhibit - A
DECLARATION OF NO DEVIATIONS/ EXCEPTIONS

TENDER NO.: _____

(To be submitted as part of Technical bid)
(on Company Letter-head)

Bidder's Name _____

[Address and Contact Details]

Bidder's Reference No. _____

Date.....

Tender Document No.

Subject: Declaration of Compliance with Tender Terms and Conditions

We hereby confirm that we have thoroughly read, understood, and acknowledged the terms and conditions of this tender. Where necessary, we have sought and obtained clarifications from GEL. Additionally, we have duly noted all clarifications, amendments, and addenda issued by GEL in relation to this tender and have accordingly submitted our bid.

We further confirm that our submission does not include any deviations, exceptions, or reservations to the terms and conditions set forth in the tender document or any subsequent clarifications, amendments, or addenda issued by GEL.

We unconditionally accept and agree to comply with all terms and conditions of the tender without variation or modification. Any terms and conditions stated elsewhere in our bid that are contrary to the tender requirements shall be deemed null and void.

.....
(Authorized Signature with date)
.....

***(BIDDER TO USE THE ABOVE FORMAT ONLY, FOR SUBMISSION.
NO OTHER FORMAT SHALL BE ACCEPTED)***



Exhibit - B

Date: _____

Ref: Tender No. _____ **dated** _____

Self- Declaration Cum Undertaking

1. I / We hereby certify that, I / we have read the entire terms and conditions & specifications of the BID document (including all documents which have been attached in this Bid like Scope of Work, Service Level Agreement, Payment terms, Penalty Clause, corrigendum or any other document) which will form part of the contract agreement and I / we shall abide hereby by the terms and conditions & specifications / clauses contained therein.
2. The corrigendum(s) issued from time to time by your department / organizations related to this BID too have also been taken into consideration, while submitting this acceptance letter.
3. I / We hereby unconditionally accept the BID terms and conditions & specifications including Scope of Work and any other document (which is/are attached in Bid Document) of above-mentioned BID document / corrigendum(s) in its totality / entirety.
4. I / We certify that all information furnished by our firm / company is true & correct and in the event that the information is found to be incorrect / untrue or found violated, then your department / organization shall without giving any notice or reason therefore may summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely. Wherever applicable this / these document (s) will be attached by

Sign: _____

Stamp: _____

Bidder: _____

Exhibit – C

BID BOND

TO: Gujarat Energy Limited, a company incorporated under the provisions of the Companies Act, 1956 and having its registered office at Gujarat Energy Bhavan, Sector -11, Gandhinagar, Gujarat, India. (hereinafter referred to as “GEL”).

WHEREAS :

.....(hereinafter referred to as “Tenderer”) has submitted a proposal dated (“hereinafter referred to as Proposal”) against Tender/RFQ/Inquiry No.: _____ dated _____ for Tendered Services/Supplies (hereinafter referred to as the “Tender/RFQ/Inquiry”).

NOW, THEREFORE,

(1) In response to the request made by the Tenderer, we (Name of Banker/Insurer:) _____ (hereinafter called the “Guarantor”) hereby irrevocably and unconditionally guarantee the sum of Indian Rupees Rs._____/ - (INR _____) Only in favor of GEL, if Tenderer fails to perform its obligations as set forth below:

- (i) The Tenderer agrees to keep the Proposal open for acceptance by GEL during the period of validity (150 days from the Closing Date) specified in the Tender/RFQ/Inquiry.
- (ii) The Tenderer, having been notified of acceptance of its Proposal by GEL during the period of Tender validity:
 - (a) Fails or refuses to execute the agreed Contract/Service/Purchase Order, if required; or
 - (b) Fails or refuses to furnish the Performance Bank Guarantee in accordance with the format provided in the Tender/RFQ/Inquiry document; or
 - (c) Seeks Variation or modification of Proposal; modifications to the agreed terms and conditions
 - (d) Tries to influence GEL on bid evaluation, bid comparison or Contract/Service/Purchase Order award decision.

The sum shall become payable by us immediately on first demand by GEL without proof or conditions notwithstanding any constitution or protest by the Tenderer or any other third party.

- (2) GEL shall have the full liberty without our consent and without affecting in any manner, our obligation hereunder, to relax any of the terms and conditions of the aforesaid Tender, from time to time, or to postpone any time any of the powers exercisable by GEL against the said Tenderer and Guarantor shall not be relieved from its liabilities by reason of any such relaxation being granted to the Tenderer by GEL or any indulgence by GEL to the said Tenderer or by any such matters or things whatsoever.
- (3) The Guarantor shall not be discharged or released from this Guarantee by any Contract/Service/Purchase Order made between the Tenderer and GEL with or without the consent of the Guarantor or by any alteration in the obligations undertaken by the Tenderer or by any change in name or constitution of GEL or the Tenderer.
- (4) The Guarantee herein shall not be affected by any change in the constitution of the Bank or the Tenderer.
- (5) This Guarantee shall not be revoked during its currency, and shall remain in effect for One Hundred



and eighty (180) days from the Tender Closing Date.

- (6) This Guarantee shall be governed and construed in accordance with the laws of India and all of the parties to this Guarantee hereby irrevocably submit to the non-exclusive jurisdiction of Courts in Gandhinagar.

IN WITNESS whereof this Guarantee has been duly executed by GUARANTOR the _____ day of _____ for and on behalf of (_____)

Name : _____

Designation : _____

Banker's Seal : _____

Address : _____

Refer Attachment – 5: Finance Department, GR No. FD/MSM/e-file/4/2025/2712/D.M.O. dated 01/04/2026

ALTERNATIVELY THE BIDDER CAN SUBMIT DEMAND DRAFT FOR THE BID BOND VALUE. THE DEMAND DRAFT SHOULD BE MADE IN FAVOUR OF "GUJARAT STATE PERTROLEUM CORPORATION LTD." PAYABLE AT GANDHINAGAR/AHMEDABAD, GUJARAT. THE DEMAND DRAFT WILL BE GOVERNED BY THIS BID BOND TERMS & CONDITIONS. BIDDER MAY ALSO HAVE OPTION OF SUBMITTING THE BID BOND AMOUNT BY RTGS

BID BOND

It is a condition precedent to the acceptance of any Tender by the GEL that the Tenderer shall provide a Bid Bond by means of a Bank Guarantee for an amount stated in the Invitation to Tender in the prescribed format and valid for a period of 150 days from the Closing Date. The Tender may be disqualified in the absence of a Bid Bond in the prescribed format.

Conditions for Invoking of Bid Bond Guarantee

The following conditions would also lead to the invoking of Bid Bond Guarantee:

- f) If the Tender is withdrawn during the validity period or any extension thereof.
- g) If the Tender is varied or modified in a manner not acceptable to GEL during the validity or agreed extension validity period duly agreed by the Tenderer or after notification of award by GEL and prior to signing of the Purchase Order/Contract.
- h) If the successful Tenderer is seeking modifications to the agreed terms and conditions after notification of award or declines to accept the Letter of Intent/Award.
- i) If the successful Tenderer fails to furnish Performance Bank Guarantee within 21 days of the issue of the Letter of Intent/Award.
- j) Any effort by the Tenderer to influence GEL on bid evaluation, bid comparison or Purchase Order/Contract award decision.

The formats for any of the Bank Guarantees shall not be changed except for any minor variations that the Bank may require. Failure to comply with this requirement may entail disqualification of the Tender.



EXHIBIT -D
VENDOR REGISTRATION FORM (for new vendors)

Vendor Registration Form to be submitted by the bidder along with bid bond

Vendor Registration Form (to be filled by the Vendor in preferably in Excel format and submitted soon after making bid bond remittance).

The form filled by the vendor should be sent by email to the following mail ID's
abhishek.kumar@gujenergy.com;manoj@gujenergy.com&alpesh.shah@gujenergy.com

GUJARAT ENERGY LIMITED	
(New Vendor Registration Form)	
Vendor details	
Company Code	9999
Name of Vendor	
Date of Formation	
Address	
City	
State	
Country	
PIN Code	
Telephone No.	
Fax No.	
Mobile No.	
E mail address	
Registration Information (please provide self-certified copies of registration certificates as proof)	
Excise Code Number	
Excise Registration No.	
Excise Range No.	
Excise Division No.	
Excise Collectorate	
Micro Small Medium Enterprise	YES / NO
If Yes then provide Details	
Works Contract Tax Registration No.	
Tax Deduction account Number (TAN)	
Permanent account no. (PAN) **	
CST Number with Date	
LST / VAT Number with Date	
GSTIN Number **	
Service Tax Registration No.	

** To be filled (Compulsory fields)

Bank Details	
Title of Account in the Bank	
Account type	
Bank Account Number	
Name of the Bank	
Address of the Bank	
City	



State	
Country	
PIN Code	
Telephone No. with STD code	
Fax No with STD Code	
Bank Branch MICR Code	
Bank Branch IFSC Code	
Mode of Payment	RTGS / NEFT /IMPS

CHECK LIST OF DOCUMENTS TO BE SUBMITTED ALONG WITH THIS VENDOR REGISTRATION FORM BY THE BIDDER

VENDOR REGISTRATION FORM	(Preferably In Excel format)
GST Certificate	
PAN Card	
MSME Certificate	
Cancelled Cheque	

For F&A Department use only

Vendor no.	
Purchasing Organization	
Accounting Group	
Reconciliation Account	

**EXHIBIT - E****CHECKLIST WITH DETAILS FOR SUBMISSION OF DOCUMENTS FOR BID EVALUATION CRITERIA TO BE FILLED BY BIDDER**

TENDER No :			
Bidder Name :			
Sr No	Documents to be submitted	Documents Number Please mention the details	Confirmation of submission of documents
1.	BID BOND: Bidder to Confirm the submission of Bid Bond	Bid Bond details	Submitted/Not submitted
2.	Copy of latest MSME/UDYAM Certificate (if applicable, please attach the Certificate with latest year classification of your entity)	MSME/UDYAM Certificate number	Submitted/Not submitted
3.	Copy of IT PAN (as applicable, if not applicable please clarify)	IT PAN number	Submitted/Not submitted
4.	Copy of Goods & Service Tax Registration No. (as applicable, if not applicable please clarify)	Goods & Service Tax Registration No	Submitted/Not submitted
5.	Copy of Provident Fund Code No. (as applicable, if not applicable please clarify)	Provident Fund Code No.	Submitted/Not submitted
6.	Copy of ESI Registration No. / Medical Group Insurance No. (as applicable, if not applicable please clarify)	ESI Registration No. / Medical Group Insurance No.	Submitted/Not submitted
7.	Bidder to submit on his letter head duly stamped and signed the Bidder's Information as per attachment (Name, Address, Tel No. Fax. No. Email ID, Bank Account Details, Name of Proprietor, Partners, Directors, Bidders Authorized representative, Name and Contact details.)	Details on Letter head duly stamped and signed including Excel sheet with data to be uploaded	Submitted/Not submitted
8.	Acceptance to Tender Terms and Conditions: Bidder to Submit stamped/signed copy of this Tender/RFQ or Undertaking/Confirmation on letterhead in token of unconditional acceptance to the terms and conditions therein or may submit exceptions/deviations as allowed under the ITB.	Letter confirming acceptance of terms and conditions of the tender (with or without Exceptions deviations form) or Sign and stamp on each page of tender	Submitted/Not submitted
9.	Financial Average Annual Turnover Financial Average Annual Turnover of the bidder for the last three financial years (FY: 2022-23, 2023-24, 2024-25) should be as per BEC. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant (With UDIN) indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-years-old, the average turnover in respect	a certificate from the Chartered Accountant / Cost Accountant (With UDIN) indicating the turnover details for the relevant period	Submitted/Not submitted



	of the completed financial years after the date of constitution shall be taken into account for this criteria.		
10.	Net Worth of the Bidder should be positive for the last FY: 2024-25 (Submit Chartered Accountant Certificate(With UDIN) for the same)	Submit Chartered Accountant Certificate (With UDIN)	Submitted/Not submitted
11.	The Bidder shall not be on holiday list/black-listed by GEL or any of the Group Companies of GEL. Bidder shall submit self-declaration certificate /undertaking in this regard as per attachment . If found, GEL shall have a right to terminate the Contract without any notice including its right to forfeit the Performance Bank Guarantee (PBG). Bidders who have initiated legal action/litigation against GEL or any of the Group Companies shall not be considered.	Bidder shall submit self-declaration certificate /undertaking confirming that The Bidder shall not be on holiday list/ black-listed by GEL or any of the Group Companies of GEL	Submitted/Not submitted
12.	Bidder must submit the quote as per the price schedules for all the tendered blocks and submit the unpriced bid (technical bid) with remarks of "Quoted" in the price schedules line items. This shall be treated as your confirmation that you have understood the "Price Schedules" and considered all the line items therein for arriving / quoting of total all-inclusive Price and have also uploaded / attached in your Financial Document / Price Bid, the "Price Schedules" with Prices as breakup of quoted amount.	Blank Prices schedule with "Quoted " to be submitted on letter head	Submitted/Not submitted
13.	The Bidder must bid on sole performance basis and no agreement / MOU with any other party for joint operation shall be allowed / considered.	Confirmation of bidding on sole performance basis on letter head	Submitted/Not submitted
14.	Experience Criteria Documents required to be submitted in the unpriced bid to substantiate the above-mentioned experience are: Bidder should submit copies of contract(s) showing <ul style="list-style-type: none">- Name of Operator with complete address- Duration (start & end) of contract.- Documentary evidence in respect of satisfactory execution of those contracts in the form of copies of any of the following documents (indicating respective contract no.), such as:<ul style="list-style-type: none">▪ satisfactory completion /performance Certificate▪ Purchase or Work Order Or signed contract▪ Return letter of PBG Any documentary evidence that can substantiate the satisfactory execution of the contracts cited above	Confirmation of submission of supporting documents	Submitted/Not submitted

Exhibit - F**Date:** _____**Ref: Tender No.** _____ **dated** _____**Self- Declaration Cum Undertaking**

The Bidder undertakes that:

1. The Bidder is not on a holiday list or is black listed by GEL or any of the Group Companies of GEL.
2. Bidder has not initiated any legal action/litigation against GEL or any of the Group Companies.

The Bidder agrees and acknowledges that in the event after the issuance of LoA/Work Order/award of Contract, it is discovered/found by GEL that any of the conditions stated in the above Undertaking furnished by the Bidder at the time of bidding is found to be false or any event mentioned in such undertaking occurs after the award of the Contract, GEL shall have a right to terminate the Contract immediately at its sole discretion, including its right to forfeit the Performance Bank Guarantee (PBG).

Sign: _____**Stamp:** _____**Bidder:** _____

**ATTACHMENT -10****PRE BID CLARIFICATION FORMAT**

Bidder is required to send pre bid clarification of subject tender through Email in excel format

PRE-BID CLARIFICATION					
Tender Ref. No.:					
Tender Subject					
Sr. No.	Page No. / Clause No.	Title of Clause as per tender	Description of clause as per tender	Bidder's Query	GEL Reply
1					
2					
3					
4					
5					
6					
7					
8					
9					

ATTACHMENT -11

TERMS & CONDITIONS OF REVERSE AUCTION:

- 1.1 Initial tender outcome of all the three (3) Tendering stages i.e. Primary, Technical & Commercial stage including bid documents submitted on eTendering portal, name of bidders etc., will be unshared and the same shall not be visible to the Bidders in order to ensure sanctity and confidentiality of the possible Reverse Auction process. Post completion of RA, tender outcome shall be shared on eTendering portal.
- 1.2 Invitation for participation in RA will be sent through e-mail or through RA Portal, as applicable, communicating the Schedule of RA to first 6 bidders in the sequence of initial commercial ranking plus 50% of the balance techno-commercially qualified bidder. Number of bidders eligible for participating in RA would be rounded off to next higher integer/value, if number of qualified bidders is odd (e.g. if 10 bids are qualified, then RA will be conducted amongst lowest eight bidders). If more than 1 bidder share same initial commercial ranking, then all such bidders to be invited for Reverse Auction.
- 1.3 Identity of the participating bidders shall be masked (so that the names of participating bidders remain anonymous) in order to maintain sanctity while ensuring transparency of the process.
- 1.4 Usually the auction is limited to 1 hour initially. If any bid is received in the last 10 minutes before the closing time, the auction time will be automatically extended by 10 (Ten) minutes from the original auction end time.
- 1.5 The methodology of RA i.e. entire Tender basis/SOR item-wise basis will be in line with the commercial bid evaluation methodology stipulated in the Tender. If the evaluation is done on total cost basis, after Reverse Auction, prices of individual line items shall be reduced on pro-rata basis.
- 1.6 The opening price (ceiling price, above which no bidder can make an offer) will be declared on RA portal on start of the RA. The ceiling price may be the least price of item/(s) or lowest initial Price Bid of the Bidder/(s) received on eTendering portal.
- 1.7 Minimum permissible decrement value shall be decided for each RA, which is generally 0.1% of the initial award value, based on lowest derived (L1) rate received through eTendering portal. In case item-wise reverse auction is to be carried out, then minimum permissible decrement value shall be calculated on L1 rate received through eTendering portal for the respective item(s).
- 1.8 Bidder can reduce their offered prices upto any extent; however, not lower than the minimum permissible decrement value per decremental bid.
- 1.9 Bidders shall not be allowed to withdraw their last offer. In case of withdrawal of offer by the final L1 bidder post RA, the same will be considered as Bid Withdrawal and necessary actions shall be initiated in line with tender terms as well as GGL prevailing policy.



1.10 If no bid is received during RA process, then the lowest (L1) rate received through eTendering portal shall be considered as final L1 rate and the respective bidder shall be considered as L1 bidder.

1.11 GEL reserves the right to extend, reschedule, re-auction or cancel the Reverse Auction process at any time, before ordering, without assigning any reason, with intimation to bidders.

CUT-OUT SLIP for Bid Bond

Client : Gujarat Energy Ltd.

TENDER No. : GEL/Gas Monetisation/ 2025-26/628

TENDER Title : Engineering Procurement & Construction Services for Gas Monetisation at SE#3 Quick Production System at Manipur, Ahmedabad (CB-ONN-2002/3 Sanand Miroli Block) in Gujarat, India

Bid Due Date : __/ __/2026 (1830 Hrs (IST))

Bidder's Name & Address	Abhishek Kumar - DM (C&P) /Alpesh Shah AGM(C&P) Gujarat Energy Ltd. 05 th floor, South Wing, GEL Bhavan, Behind Udyog Bhavan, Sector-11, Gandhinagar-382010, India Tel: +91-79-6670 1315 Fax:+91-79-2323 6375
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(To be pasted on the envelope)

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