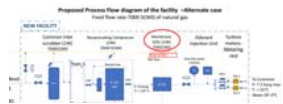


REPLY / CLARIFICATION TO BIDDERS QUERIES RAISED DURING PRE-BID MEETING

Date 10.06.2026

Rev. A

Sr. No.	Page No. / Clause No.	Title of Clause as per tender	Description of clause as per tender	Bidder's Query	GEL Reply
Tender Ref. No.:		309711			EQ 19303
Tender Subject		Engineering, Procurement, Construction and Commissioning (EPCC) Services for Gas Monetization at SE 3 QPS at Manipur, Ahmedabad, Gujarat.			
1	Page No-15	SCOPE OF WORK AND SPECIFICATIONS	Civil and Structural	Bidder request to kindly share the detailed soil investigation / geotechnical report specific to the proposed plot area.	Minor Civil work i.e foundation for all the skids, piping, anchor bolts, grouting doesn't require soil investigation / geotechnical report specific to the proposed plot area.
2	Page No-15	SCOPE OF WORK AND SPECIFICATIONS	Civil and Structural	Bidder request to provide Topo survey report	Enclose as Map-I
3	Page No-15	SCOPE OF WORK AND SPECIFICATIONS	Piping	Bidder understands that hot tapping is not envisaged in the project scope. It is further understood that the Client shall arrange necessary shutdowns to facilitate tie-in activities with existing facilities, wherever applicable. Please confirm.	Shutdowns necessary to facilitate tie-in activities of GPU with existing facilities will be permitted on time bound manner with mutual discussion.
4	Page No-15	SCOPE OF WORK AND SPECIFICATIONS	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	Bidder requests the Client to provide the following engineering documents to facilitate accurate engineering assessment, equipment sizing, costing, and bid preparation: 1- Typical P&ID 2- Process Design Basis (PDB). 3- Plot Plan / General Arrangement Layout. 4- PMS 5- Mechanical Design Basis (MDB). 6- Rotating Equipment Specifications and Datasheets. 7- Painting specification 8- Instrumentation design basis 9- BMS 10- Approved vendor list	All documents are well enclosed in tender, however may find: 1- Typical P&ID :Drawing-I,II 2- Process Design Basis (PDB): Doc-I -Process design basis 3- Plot Plan / General Arrangement Layout: Drawing-III 4- PMS : Doc-II PIPING DESIGN BASIS 5- Mechanical Design Basis (MDB): Doc-III MECHANICAL DESIGN BASIS 6- Rotating Equipment Specifications and Datasheets: Need to be designed by Bidder for small unit like De-orderizer & Close bow out drum etc. 7- Painting specification: *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. * All Tag numbers shall be stenciled in black or white on each vessel, column, equipment, and painting as per approved procedure. 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. * 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. 8- Instrumentation design basis: Doc-IV INSTRUMENTATION DESIGN 9- BMS : GEL Office/control room available. 10- Approved vendor list : Doc-V Indicative Vendor List
5	General	Utility availability		Bidder requests the Client to confirm the availability and tie-in points of the existing utilities at the facility with parameters (Pressure, temperature, flow etc.).	Shown in P&ID. Successful bidder may shared the details as required for designing.
6	Page No-38	Annexure-1: Process Flow diagram of Gas Monetization Project	Train 2	Bidder requests the Client to provide complete details and relevant engineering documents for Train-2.	Train -2 is similar to train-1 as shown in process flow diagram page 39 of tender (K 101 A/B)
7	Page No-27/3	Gas de-hydration system	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.	As per Annexure-6, the quantity of Membrane Units is specified as one (1) unit, whereas the Gas Dehydration System philosophy indicates a symmetric flow split (50:50) between membrane units. Furthermore, the Process Flow Diagram (PFD) shows only one (1) GDU unit. Bidder requests the Client to clarify and confirm the membrane unit configuration considered for the project. Specifically, please confirm whether: 1- One membrane unit is intended to handle the entire gas flow, or 2- Two membrane units are envisaged with a 50:50 flow split arrangement.	One membrane unit is intended to handle the entire gas flow of 7000 scm/day
8	Page No-38	Annexure-1: Process Flow diagram of Gas Monetization Project		In the provided PFD, the indicated flow rate is shown as 700 SCMD. Bidder understands that the intended flow rate may be 7000 SCMD and that the stated value could be a typographical error.	There is typo error in PFD, flow rate - 7000 SCMD to be considered.
9	Page No-44	Annexure-6: Equipment Datasheet for a Membrane type Gas Dehydration Unit	Dehydration System Requirements 1 Dehydration Type :- Hollow-fiber membrane separation	As per the datasheet, the specified dehydration technology is Hollow Fiber Membrane Separation. Bidder requests the Client to confirm whether alternative dehydration technologies, such as Molecular Sieve or Desiccant-based Dehydration Systems, may be considered as acceptable alternatives, subject to meeting the specified outlet gas quality and performance requirements.	Membrane gas dehydration unit as per tender.

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Rev. A

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Sr. No.	Page No. / Clause No.	Title of Clause as per tender	Description of clause as per tender	Bidder's Query	GEL Reply						
10	Page No-43	Annexure-5: Equipment Datasheet for Reciprocating Compressor Unit	Number of units 2 (Both working)	we understand that there are total 3 nos of wet gas compressors (2W + 1S) for the complete package (Train 1 + Train2). In proposed Process flow diagram of the facility - Alternate case compressor quantity is showing 2W and train-1 is	Two compressor each capable to handle 3500 scm/day (2W)						
11	General	-	-	Bidder request to kindly provide Technical/Functional specifications for Wet gas compressor.	Bidder/Contractor to design						
12	General	-	-	Bidder request to kindly provide Technical/Functional specifications for Instrument air compressor.	Bidder/Contractor to design						
13	General	-	-	Please provide ITP for all items as same is not available in tender document.	Inspection and Test Plan (ITP) by Third Part Inspection (TPI) agency (namely: Bureau Veritas, DNV, Lloyds or any reputed agency) during project execution to carry out stage-wise inspection/witness and review of documents as deemed						
14	Page no 48/99, Annexure -10	Equipment datasheet for Air compressor unit.	-	For Instrument air compressor package we propose to offer a oil injected screw compressor in which oil carry over at compressor package battery limit will be maintained <1.0 ppm by wt (which is suitable for Instrument air). Kindly provide acceptance on the same.	As per tender						
15	Page no 48/99, Annexure -10	Equipment datasheet for Air compressor unit.	<table border="1"> <tr> <td>2) Air dryer</td> <td></td> </tr> <tr> <td>2.1) Type</td> <td>1) twin tower dessicant dryer</td> </tr> <tr> <td>2.2) Air dryer quantity</td> <td>2) Nos. (1 working + 1 standby)</td> </tr> </table>	2) Air dryer		2.1) Type	1) twin tower dessicant dryer	2.2) Air dryer quantity	2) Nos. (1 working + 1 standby)	Bidder understand that 2 towers are required in air dryer system (One working + One Regeneration). No stand-by unit is required which have 2 towers (one working + one regeneration).	To be design & propose by Bidder/Contractor
2) Air dryer											
2.1) Type	1) twin tower dessicant dryer										
2.2) Air dryer quantity	2) Nos. (1 working + 1 standby)										
16	Page no 48/99, Annexure -05	Equipment datasheet for wet gas compressor package.	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.	Bidder understand that for capacity control of wet gas compressor alternate options can also be acceptable instead of VFD. VFD is not a mandatory requirement.	As per tender						
17	Page no 48/99, Annexure -05	Equipment datasheet for wet gas compressor package.	Number of units - 2 (Both working)	Bidder understanding is Number of units for compressor will be (2 Working +1 Standby) instead of 2 working as mentioned in the datasheet.							
18	Page no 25/99, clause 9	Detail scope of work and battery limit 2) Compression system	ix) Vibration and temperature monitoring system as per applicable design codes.	Please clarify whether comprehensive Vibration Monitoring System including rack, display is required. We understand that it is also acceptable to provide frame vibration transmitters which will be connected directly to compressor PLC panel without any need of comprehensive Vibration Monitoring System including rack, display.	Minimum Vibration Monitoring System as per applicable standard						
19	General	-	-	Kindly confirm whether ASME U -stamp is required for pressure vessel.	Yes, ASME U -stamp is mandatory.						
20	Page no 25/99, clause 9	Detail scope of work and battery limit 2) Compression system	xxvii) Set of spares for commissioning and start-up xxviii) Special tools and tackles	Bidder request to kindly provide the Spare tool list which includes capital spares and special tool list required for Wet gas compressor & Instrument air compressor.	Bidder has to identify & proposes as specified in page no 19 of tender document						
21	Page no 25/99, clause 9	Detail scope of work and battery limit 2) Compression system	xxvi) Painting	Bidder noted that painting specification for compressors is not received along with tender documents.	As per the standard						
22	Page no 25/99, clause 9 Page no 26/99, clause 9	Detail scope of work and battery limit 2) Compression system B) Scope of work shall include the following:	1. Water-cooled gas compressors (2W) 2. Compression system Two (2) Nos. both working non-lubricated, air cooled,	Different mediums of cooling is mentioned for compressors. Kindly confirm the cooling medium for compressors.	Bidder has to design & get it approved by GEL						
23	Page no 25/99, clause 9	Detail scope of work and battery limit 2) Compression system	xxvii) Set of spares for commissioning and start-up xxviii) Special tools and tackles	2 years recommended spares list with itemized prices shall be furnished and it will not be included in the main scope of supply.	<ul style="list-style-type: none"> Tools & consumables for the commissioning, operation and maintenance of the plant and equipment will be added in Scope of supply. Spares & consumables requirements after commissioning will be separate rate contract as defined in page 19 of tender 						
24	15/99	Scope of Piping	Scope of Piping	Clarify AIV/FIV study scope	As per API standard, bidder has to carry out all necessary study for the system.						
25	15/99	Scope of Piping	Scope of Piping	clarify As built drawing scope	As built drawing scope starts from the battery limit for all the newly installed system						
26	15/99	Scope of Piping	Scope of Piping	Clarify dynamic analysis of piping scope	dynamic analysis of piping scope would be flare blow down system & Compressor suction, discharge piping						
27	15/99	Scope of Piping	Scope of Piping	Clarify surge analysis of piping scope	surge analysis to be done for Compressor system & other equipments to ensure as built design safety						

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Sr. No.	Page No. / Clause No.	Title of Clause as per tender	Description of clause as per tender	Bidder's Query	GEL Reply
28	15/99	Scope of Piping	Scope of Piping	Clarify site surge scope for tie-in details	Plot plan with approximate area has mentioned in tender & bidders were requested during pre bid meeting to make site survey .
29	Section – I Invitation to Bidders Page No. 5 of 99	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.	We request company to kindly provide requisite validity period of bid bond from date of submission of bids to be considered while issuing the Bid Bond in the form of Bank Guarantee. Please confirm.	Bid bond shall be valid for at least 180 days from the bid submission due date
30	Section VI General Terms and Conditions of Contract Clause 10 Page 66 of 99	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.	We propose that total aggregate liability on contractor during the contract period shall be limited to 50% of the annualized contract value. This proposed change is requested considering the better risk allocation on Contractor side and the same is in line with similar tenders floated by other PSUs. Kindly confirm.	Tender Terms shall prevail
31	Section VI General Terms and Conditions of Contract Clause 31 Page 76 of 99	Suspension	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.	If the contract is suspended due to the reasons not attributable to Contractor, in such cases the amount of compensation has not been given in the tender. We propose that in such cases where the contract is suspended due to the reasons attributable to the Company, 80% of the contract price of the suspended period may be payable. Kindly confirm.	Payment for the work done will be made within one (1) month after receipt of the services and certified undisputed invoices from the representative of GEL and as per terms of payment for services provided
32	Attachment 6 Bid Evaluation Criteria Clause A.1 Page No. 85 of 99	Technical Criteria	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.	We request Company to kindly confirm if the value of contract is mentioned in the LOA; that will also be considered for evaluation of the experience towards qualification purpose. Kindly confirm.	Bidder evaluation will be done based on tender terms
33	Section III Scope of Work and Specifications Clause 3 Page No. 27 of 99	Gas Dehydration System	The compressed gas shall be processed through a typical membrane de-hydration system. The de-hydration system has stringent requirement with maximum water dew point <0OC 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.	We propose that Molecular Sieve Based Gas Dehydration System shall also be allowed to offer for this project. Kindly confirm.	As per tender
34	Section III Scope of Work and Specifications Clause 2 Page No. 26 of 99	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 efficient operation of the equipment. This package will be vendor supplied skid mounted to meet the intended function.	We propose that lubricated type compressors shall also be allowed to be offered for this project as we will install necessary coalescing filters at the discharge of the compressor. Kindly confirm.	lubricated type compressors with necessary coalescing filters at the discharge of the compressor will also be considered.
35	17/99 – 4 a) i.	Fluid property	Compositional analysis : Date of issue 17.10.2022	Data is given of sample taken of 17-10-2022 of SE#3 gas – 2300 SCMD. Bidder is expected to assume the same quality form additional 5000 SCMD from SE#5. Guarantee of CGD/ PNGRB conditions cannot be given unless gas quality of both streams are known. Kindly provide latest data of gas compositions of both streams along with moisture content determination afresh.	Successful bidder will be given the fresh composite gas sample analysis report for designing.
36	19&20/99 – 6	Technical instruction to Contractor	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.	Skid mounted units are required to be designed. As Civil works are required and life is 20 years, can some buildings be constructed such as Electrical Switchgear Room cum Control Room containing PLC. Air conditioning will be required for the PLC. How will it be reflected in Price Schedule?	Propose to integrated with existing Electric room & Office room(Bunk House). Any additional requirement for housing additional system will be made by GEL
37	22/99 – 6	Technical instruction to Contractor	Color coding schemes for the pipes and equipment at site:	Please provide colour code for lines flowing Condensate from KOD and Compressor unit to CBD.	As per IS standard approved by GEL
38	23/99 – 6 c)	Technical instruction to Contractor	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.	It is understood that taking over by GEL shall be done as and when the system is commissioned. After that within one month all guarantee parameters have to be demonstrated.	As per tender
39	25/99 – 9 B.2	Compression system	The scope of work shall include the following: Water-cooled gas compressors (2W) 2. Compression system Two (2) Nos. both working non-lubricated, air cooled, reciprocating, horizontal type natural gas compressors each of capacity 3500 SCMD (Specification mismatch - air/ water cooling) Custody metering system (2 streams)	For water cooling, Cooling tower will be required to be installed. Are air cooled compressor units acceptable? Temperature will be maintained < 55°C. As space limitations exist, installation of cooling tower and pumping cum piping systems will occupy land whereas air cooled units take less space. We suggest Air-cooled. Is it agreeable?	As per tender
40	25/99 – 9 B. 5	Detail Scope of Work and Battery Limits	Air compressor system (1W+1S) with dryers and receiver	Each stream of 3500 SCMD has been asked for. The flow division will not be equal during operation. If 7000 SCMD flow is to be measured, one stream may measure more than 3500 SCMD and another less than 3500 SCMD. Is this acceptable?	Acceptable
41	25/99 – 9 B. 7	Detail Scope of Work and Battery Limits	Air compressor system (1W+1S) with dryers and receiver	If PLC based system is opted for. Control system can be fully electronic without the necessity of Instrument air. Air compressor, dryer and receiver may not be required. Is it agreeable?	No,As per tender

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Sr. No.	Page No. / Clause No.	Title of Clause as per tender	Description of clause as per tender	Bidder's Query	GEL Reply
42	25/99 – 9 B. 13	Detail Scope of Work and Battery Limits	Electrical integration and SCADA interfacing	By Electrical integration, it is understood that power has to be drawn from existing UGVCL supply source point. Some details of SCADA requirement may kindly be shared for planning integration.	As per tender
43	26 & 27/99 – 2.	Detail Scope of Work and Battery Limits 2. Compression system	Compression system	For the suction and discharge pressures given, compressors of Single stage will be required. Hence only aftercooler will be provided. Is it acceptable?	Bidder has to design to meet the requirement
44	27 & 28/99 – 5.	Detail Scope of Work and Battery Limits 3. Gas dehydration system	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.	One unit with two membranes - 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, is the requirement. Unless flow control valves are installed, exact split of 50:50 is practically impossible. Minimum restriction is pathway is required as pressure drop through system is to be kept below 1 barg. Is simply dividing the 4" dia into two 2" pipes serving one membrane hollow fibre unit be acceptable. There can be no guarantee of 50:50 split in this case as hydrodynamic parameters shall matter. Is this arrangement acceptable?	One dehydration unit capable of handling 7000 scm/day.
45	28 & 29/99 – 6.	Detail Scope of Work and Battery Limits 6. Instrument and Control System	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.	Concept is not clear. Completely new DCS, ESD and F&G system for GMP is required. Which are the ESD points – on line or simply a pull station (such as offshore platforms) is required. If DCS is being opted for, then why PLC in local LCPs are required? For F&G system, is it only detection that is wanted or actuation of sprinklers also? The scheme needs to be explicit as SIL-3 PLCs are extremely costly and not be easily available in the market. They may delay the completion period of the project, even beyond the LD clause operation values.	Control philosophy is indicative and Contractor has to design the complete ESD philosophy based on cause & effect matrix.
46	30/99 – 9	Detail Scope of Work and Battery Limits 9. Close blow down drum	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.	It is mentioned that CBD effluent removal shall be with the help of a pump. No specs for pumps are provided. Also it is mentioned that the discharge line of Close blowdown pump shall be routed to tankage. Will a gear pump of capacity 5 m3/day suffice? the CBD pump will be required to be installed in an underground pit. The CBD and pump will have to be placed close to storage tanks to keep pump discharge pressure as low as possible. Also please indicate whether the hook-up to tankage line is in scope of contractor.	Contract has to design the appropriate equipment.
47	38/99 – PFD	Annexure-1: Process Flow diagram of Gas Monetization Project	Diagram	In the PFD shown, the outlet is two lines from two custody transfer meters running separate. Are the lines to be kept separate or joined again?	Lines after custody meter will be separate to supply 2 buyers
48	GENERAL	Flare line hook-up		Flare line hook-up point is not indicated. Is the hook-up in contractor's scope of work. If so, will flare shutdown be given?	As per tender
49	GENERAL	DGMS/ GPCB/ other clearances		It is understood that these are not in scope of contract.	Bidders understanding is correct