



**INDRADHANUSH GAS GRID LIMITED**  
(Joint Venture of IOCL, ONGC, GAIL, OIL and NRL)  
**GUWAHATI, ASSAM**

**REPLY TO PRE BID QUERIES**

**FOR**

**NATURAL GAS COMPRESSOR STATION FOR NORTH  
EAST GAS GRID PIPELINE PROJCT OF M/s IGGL**

**OPEN INTERNATIONAL COMPETITIVE BIDDING**

**Tender no.: 05/51/23UU/IGGL/001-i-5-R1**

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**PREPARED AND ISSUED BY**  
**MECON LIMITED**  
(A Govt. of India Undertaking)  
Delhi, India



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DATED : 09.08.2022

S.N.	CL. No.	Section/ Page	Section Detail/Description	Clarification / Deviation	MECON's Reply
1				<p>It was a great pleasure , to attend the participate in the Pre bid meeting with fellow bidders and the august presence of your Tender committee. Our sincere request is to include certain provisions in the Tender documents to create a window of Opportunity for considering the following requirements</p> <p style="text-align: center;">Our Proposal:</p> <p>" Post pandemic many industries became insolvent , and also due to non-availability of Natural Gas many Gas Power projects are either , stalled &amp; Projects are stranded , where as these stranded assets have piled huge inventory of spares &amp; equipment's. In view saving the environment , to be able to utilise these equipment's , of course with all due diligent procedures, so as not to compromise on the original intent of the tender proposal , in the present IGGL project. It will add more flavour to prime motto behind developing this prestigious National Project. "</p>	Tender condition prevails
2		Volume-I, Bid Evaluation Criteria & Evaluation Methodology Page 11 of 338	<p>. Three completed works costing not less than the amount equal to INR 154,08,00,000 / USD 19,507,100. OR b. Two completed works costing not less than the amount equal to INR 192,60,00,000 / USD 24,383,880. OR c. One completed work costing not less than the amount equal to INR 308,16,00,000 / USD 39,014,210.</p>	Are these qualification work amount criteria's includes GST or excludes GST. Request to confirm	Tender condition prevails
3		Volume-I, ANNEXURE- II TO SECTION-II Page 49 of 338	Memorandum of Understanding	A bidder can form a tie up agreement with multiple OEM's or authorized packager of OEM of Natural Gas Compressor. Bidder will submit technical specifications as per tender requirement only. Pls confirm	Refer corrigendum
4		MEC/05/28/23UU/NGCS/TD/017	P&ID Diagram (Typical for each compressor)	Bidder request to provide the P&ID prepared on the feed stage of this project. The ITB covers the compressor typical P&ID without line size's	Basic P&ID has been furnished in the tender. Detailed drawing shall be prepared by the bidder as design and engineering are in the scope of the bidder.
5		Volume-II part 1, Gas Condensate Storage Facilities  Volume-II- part 8, General Layout for Compressor Station at Guwahati Page No 43 of 627  Page No 1 of 2	Gas condensate discharged from KODs, volume bottles, etc. shall be collected in a condensate storage tank through pipelines. Necessary condensate flashing arrangement including flash tank, blow down system shall be considered by Tenderer. Condensate storage tank shall be of MS plate (IS 2062). Vents of flash tank, blow down vessel, condensate storage tank shall be connected to the flare header. Capacity of condensate storage tank for 15 days shall be considered by the Tenderer at full load operation of working compressors.	<p>Bidder understanding is CBD Vessel to collect the condensation and transfer condensed gas to Gas condensate storage facility and the same will mobilized by truck once in 15 days or so</p> <p style="text-align: center;">Please confirm the Bidder's understanding is correct.</p> <p>Bidder request to provide the sources of condensation and the flow rate for the same to size the Gas Condensate storage facility.</p>	<p>Bidder 's understanding is correct. However, bidder to follow the tender requirement.</p> <p>Bidder to work out the flow rate of condensate as the Design and Engineering of entire plant &amp; equipment is under the scope of Bidder. It is further clarified that Natural Gas ( Dry / RLNG) shall be provided at the inlet of Compressors as mentioned in tender.</p>



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6			Gas Condensate Storage Facilities	Request to provide the details of Gas Condensate Storage Facility, as the layout or ITB doesn't provide complete details (requirement of Transfer pumps, Tanks Etc.)	Bidder to work out the details of gas condensate storage facility as the Design and Engineering of entire plant & equipment is under the scope of Bidder.
7			Suction KOD & Discharge KOD	Apart from the individual Suction & Discharge KOD supplied along with the compressor package, do bidder need to consider a common suction & Discharge KOD considering 1 Working and 1 stand by. Request to confirm the philosophy	Tender condition shall prevail.
8			Kindly provide the Process input Suction KOD & Discharge KOD	Inlet: (Gas+Oil)- Flow rate (Kg/Hr), Density(kg/m3), viscosity(cP). Outlet: VaporGas, Oil - Flow rate (Kg/Hr), Density(kg/m3), viscosity(cP).	Indicative values at Take over points Inlet: Peak gas flow - 3.75MMSCMD, density= 18-27kg/m3, viscosity = 0.011-0.012cP; Outlet: Peak gas flow - 3.75MMSCMD, density= 33-52kg/m3, viscosity = 0.011-0.012cP
9			Kindly provide the Process input Suction Closed Blow-Down	Inlet: (Gas+Oil)-Flow rate (Kg/Hr), Density(kg/m3), viscosity(cP). Outlet: VaporGas, Oil - Flow rate (Kg/Hr), Density(kg/m3), viscosity(cP).	Indicative values at Take over points Inlet: Peak gas flow - 3.75MMSCMD, density= 18-27kg/m3, viscosity = 0.011-0.012cP; Outlet: Peak gas flow - 3.75MMSCMD, density= 33-52kg/m3, viscosity = 0.011-0.012cP
10		Volume-II part 8, General Layout for Compressor Station at Guwahati MEC/05/28/23UU/NGCS/TD/032	Diesel Storage Tank - Item No 21. Diesel Day Tank	As per the reference document bidder understanding is a common diesel storage tank with transfer pump to be provided for Diesel Generator Day tank and Fire Water Diesel Driven pump Day tank. Please confirm	Diesel day tank is for DG set only. For fuel tank of fire water diesel engine, refer chapter 04.09.
11			Utility Summary	Bidder request to provide the utility summary prepared on the feed stage of this project.	Bidder to work out the details of utility consumption as the Design and Engineering of entire plant & equipment is under the scope of Bidder.
12			Drain Scheme OWS & CRWS	Bidder request to provide the P&ID prepared on the feed stage of this project. The ITB doesn't covers the drain network details and location of OWS & CRWS in the layout.	Bidder to work out the details of OWS & CRWS as the Design and Engineering of entire plant & equipment is under the scope of Bidder.
13		Volume-II part 1, 04.06 CIVIL WORKS Introduction, Sub Clause:i)	Storm Water - The Site System shall provide roadways inside the plant boundary, micro grading levelling and storm water runoff drainage up to the boundary wall terminal point.	Bidder Presume that Storm water runoff drainage scope is limited to terminate at boundary wall and same shall be hook up to the local drainage system by Owner.  No Storm water Reservoir is envisaged.	The understanding is correct.
14		Volume-II part 1, Natural Gas Compressor Station, Line item No: 32 Volume-II part 1, The scope of work shall include the following, Line item No : 33	Effluent Treatment Plant	Owner to provide Effluent characteristics / Raw Water Analysis report. Location of ETP in the Layout.  Bidder ETP is for plant effluent and no additional effluent from other facility is envisaged. Bidder request IGGL to confirm the capacity	Effluent Treatment Facilities with OWS and CRWS shall be considered for treating the effluents to be discharged from the entire plant complying with the statutory norms. The design and engineering is in the scope of the bidder. However, no additional effluent from other facility outside the plant is to be considered during design.



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15			Equipment List	Bidder request to provide the Equipment list prepared on the feed stage of this project.	Bidder to work out the details of equipment list as the Design and Engineering of entire plant & equipment is under the scope of Bidder.
16			Flare Stack	Bidder to confirm if enclosed ground or elevated stack need to be considered for this project.	Elevated stack to be considered.
17				Bidder request to provide the Instrument list if any prepared on the feed stage of this project.	Design and Engineering of entire plant & equipment is under the scope of Bidder.
18		Emergency Diesel Generator	Diesel Generator Capacity indicated as 500kVA minimum	Bidder request COMPANY to advise the spare capacity / philosophy that need to be considered for generator sizing.	The DG set rating shall be minimum 500 kVA rating each as per specification mentioned in the TS. The DG sets shall be synchronised with LTPCC-1 & 2 as per Single Line Diagram. The spare capacity has already been considered in the DG set ratings. Refer Corrigendum.
19		MCC	IP Rating of MCC - 'IP 54 rating shall be provided	IP rating for LV switchboard is indicated as IP4X, whereas IP rating for MCC was indicated as IP54. Bidder presume that all elect panels located indoor shall be of IP4X. Request confirmation	It shall be as per TS only.
20		MCC	MCC shall be non-withdrawable type	We understand that all LV panel shall be of Form 3 and non-withdrawable type.	Noted
21		Scope of Work	CICO VCB for HV VFD - Separate 6.6kV HT VCB CICO panel shall be provided	Client to confirm whether separate panel is required or feeder panel located in 6.6kV switchgear shall be utilised for the same. Pls confirm	Bidder shall quote as per Drawing "VFD WITH DOL BYPASS ARGMT AND ISOLATOR PANEL FOR HT COMPRESSOR"
22		MEC/S/23UU/05/28/0001 - Civil works- Chapter-04.06	.....storm water runoff drainage up to the boundary wall terminal point.	Please confirm terminal points for storm water discharge or number of terminal points.	To be decided during detail engineering
23		MEC/S/23UU/05/28/0001 - Civil works- Chapter-04.06	-----after first cut cleaning by site grading work done by Owner	Please provide topographical survey drawings to calculate site grading scope of work	A preliminary geotech report and topographical survey are being provided in corrigendum. However, detailed geotech investigation and report shall be included in the scope of the bidder. Refer corrigendum.
24		MEC/S/23UU/05/28/0001 - Civil works- Chapter-04.06	Administration Building - The building shall be in G+1 configuration. Load for one extra floor is to be considered for structural analysis and design of building.	We understand that this building is G+1 building with future provision of additional one floor. Structural analysis to be done considering G+2 but construction G+1	Bidder's understanding is correct.
25		MEC/S/23UU/05/28/0001 - Water System- Chapter-04.02	Administration building - G+2 building	We understand that this building is G+1 building with future provision of additional one floor. Structural analysis to be done considering G+2 but construction G+1	Bidder's understanding is correct.
26		MEC/S/23UU/05/28/0001 - Architecture- Chapter-04.08	Administration Building - G+1 extra floor is to be considered for structural analysis and design of building.	We understand that this building is G+1 building with future provision of additional one floor. Structural analysis to be done considering G+2 but construction G+1	Bidder's understanding is correct.
27		MEC/S/23UU/05/28/0001 - Civil works- Chapter-04.06	Canteen Building- The building shall be in G+1 configuration	Please confirm that canteen building is G+1 Building and no future provision of additional one floor. Also clarity on structural analysis of canteen building to be considered G+1 only or G+2	Canteen building is G+1. However, all the buildings shall be designed for one extra floor keeping in view future provision
28		MEC/S/23UU/05/28/0001 - Water System- Chapter-04.02	Canteen building - G+2 building	Please confirm that canteen building is G+1 Building and no future provision of additional one floor. Also clarity on structural analysis of canteen building to be considered G+1 only or G+2	Canteen building is G+1. However, all the buildings shall be designed for one extra floor keeping in view future provision



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29		MEC/S/23UU/05/28/0001 - Architecture- Chapter-04.08	Canteen Building - G+1 extra floor is to be considered for structural analysis and design of building.	Please confirm that canteen building is G+1 Building and no future provision of additional one floor. Also clarity on structural analysis of canteen building to be considered G+1 only or G+2	Canteen building is G+1. However, all the buildings shall be designed for one extra floor keeping in view future provision
30		MEC/S/23UU/05/28/0001 - Civil works- Chapter-04.06	HT & LT Sub-station cum Control room building- The building shall be in G+1 configuration.	Please confirm Control room building is G+ 1 or G+2.	There shall be three bays in the building, two for accommodating Electrical equipment/facilities which are of G+1 configuration, and third one for Control & Instrumentation equipment/facilities which is of G+2 configuration. The roof/terrace of the building shall be utilized as a panoramic viewing deck which shall be enclosed with glass. The top of the viewing deck shall be enclosed with a structural glazed dome. Also, Refer Clause no. 06.07.07.
31		MEC/S/23UU/05/28/0001 - Water System- Chapter-04.02	Control Room building - G+2 building	Please confirm Control room building is G+ 1 or G+2.	There shall be three bays in the building, two for accommodating Electrical equipment/facilities which are of G+1 configuration, and third one for Control & Instrumentation equipment/facilities which is of G+2 configuration. The roof/terrace of the building shall be utilized as a panoramic viewing deck which shall be enclosed with glass. The top of the viewing deck shall be enclosed with a structural glazed dome. Also, Refer Clause no. 06.07.07.
32		MEC/S/23UU/05/28/0001 - Architecture- Chapter-04.08	Control Room building - G+2 building	Please confirm Control room building is G+ 1 or G+2.	There shall be three bays in the building, two for accommodating Electrical equipment/facilities which are of G+1 configuration, and third one for Control & Instrumentation equipment/facilities which is of G+2 configuration. The roof/terrace of the building shall be utilized as a panoramic viewing deck which shall be enclosed with glass. The top of the viewing deck shall be enclosed with a structural glazed dome. Also, Refer Clause no. 06.07.07.
33		MEC/S/23UU/05/28/0001 - Structural- Chapter-04.07	Structural sheds cladding	a) Side cladding for Gas Compressor shed, Air Compressor shed, LO and HSD storage shed shall start from 3 m above Finished floor level of shed. Please confirm. b) Side cladding for DG shed, FW pump house, Mechanical workshop, store shall start from FFL. Please confirm.	To be decided during detailed engineering



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34		MEC/S/23UU/05/28/0001 - Structural works- Chapter-04.07	Painting System for steel structure	There is difference between painting as specified in structural work specification and specification for painting. Please confirm which specification shall be followed for painting to structural steel.	For building structural work, Bidder to follow the painting system as per TS clause no. 04.07.06
35		MEC/S/05/21/07	Specification for shop and field painting		
36			Primer type P7 is mentioned in table.	What is description for Primer P-7? It is not mentioned in Table 6.1.	Shall be decided during detail engineering
37		VOLUME II, PART-II MEC/05/28/23UU/NGCS/TD/001, Sheet 1 of 1, Rev. 0	Administrative building - ground floor Plan	Please provide finishing schedule for doors/ window/ false ceiling/ flooring/ internal paint/ etc.	Clauses no. 04.08.03.28.05, 04.08.03.28.02, 04.08.03.28.06 and 04.08.03.28.07 may be referred for flooring, painting, doors/ windows, and false ceiling respectively. For exterior paint, exterior emulsion paint, and for interior paint, interior emulsion paint / plastic paint may be used.
38		VOLUME II, PART-II MEC/05/28/23UU/NGCS/TD/002, Sheet 1 of 1, Rev. 0	Administrative building - first floor plan and elevation	Please provide finishing schedule for doors/ window/ false ceiling/ flooring/ internal paint/ etc.	Clauses no. 04.08.03.28.05, 04.08.03.28.02, 04.08.03.28.06 and 04.08.03.28.07 may be referred for flooring, painting, doors/ windows, and false ceiling respectively. For exterior paint, exterior emulsion paint, and for interior paint, interior emulsion paint / plastic paint may be used.
39		VOLUME II, PART-II MEC/05/28/23UU/NGCS/TD/003, Sheet 1 of 1, Rev. 0	Canteen building – ground floor plan	Please provide finishing schedule for doors/ window/ false ceiling/ flooring/ internal paint/ etc.	Clauses no. 04.08.03.28.05, 04.08.03.28.02, 04.08.03.28.06 and 04.08.03.28.07 may be referred for flooring, painting, doors/ windows, and false ceiling respectively. For exterior paint, exterior emulsion paint, and for interior paint, interior emulsion paint / plastic paint may be used.
40		VOLUME II, PART-II MEC/05/28/23UU/NGCS/TD/004, Sheet 1 of 1, Rev. 0	<b>Canteen building – first floor plan</b>	Please provide finishing schedule for doors/ window/ false ceiling/ flooring/ internal paint/ etc.	Clauses no. 04.08.03.28.05, 04.08.03.28.02, 04.08.03.28.06 and 04.08.03.28.07 may be referred for flooring, painting, doors/ windows, and false ceiling respectively. For exterior paint, exterior emulsion paint, and for interior paint, interior emulsion paint / plastic paint may be used.
41		VOLUME II, PART-II MEC/05/28/23UU/NGCS/TD/005, Sheet 1 of 1, Rev. 0	<b>Control room building – ground floor plan</b>	a) Please provide size of building b) Please provide finishing schedule for doors/ window/ false ceiling/ flooring/ internal paint/ etc.	Clauses no. 04.08.03.28.05, 04.08.03.28.02, 04.08.03.28.06 and 04.08.03.28.07 may be referred for flooring, painting, doors/ windows, and false ceiling respectively. For exterior paint, exterior emulsion paint, and for interior paint, interior emulsion paint / plastic paint may be used. For size of the building, pls refer Annexure-1A, 1B, 1C attached with Corrigendum.



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S.N.	CL. No.	Section/ Page	Section Detail/Description	Clarification / Deviation	MECON's Reply
42		VOLUME II, PART-II MEC/05/28/23UU/NGCS/TD/006, Sheet 1 of 1, Rev. 0	<b>Control room building – first floor plan</b>	a) Please provide size of building b) Please provide finishing schedule for doors/ window/ false ceiling/ flooring/ internal paint/ etc.	Clauses no. 04.08.03.28.05, 04.08.03.28.02, 04.08.03.28.06 and 04.08.03.28.07 may be referred for flooring, painting, doors/ windows, and false ceiling respectively. For exterior paint, exterior emulsion paint, and for interior paint, interior emulsion paint / plastic paint may be used. For size of the building, pls refer Annexure-1A, 1B, 1C attached with Corrigendum.
43		VOLUME II, PART-II MEC/05/28/23UU/NGCS/TD/010, Sheet 1 of 1, Rev. 0	Worker's Rest room building plans	Please provide finishing schedule for doors/ window/ false ceiling/ flooring/ internal paint/ etc.	Clauses no. 04.08.03.28.05, 04.08.03.28.02, 04.08.03.28.06 and 04.08.03.28.07 may be referred for flooring, painting, doors/ windows, and false ceiling respectively. For exterior paint, exterior emulsion paint, and for interior paint, interior emulsion paint / plastic paint may be used.
44		VOLUME II, PART-II MEC/05/28/23UU/NGCS/TD/032, Sheet 1 of 1, Rev. 0	General Layout for compressor station at Guwahati - Typical Road Section	Type of road shown in this section is RCC road. Type of road mentioned in Civil Specification (Clause 04.06.07.02 page 274) is bituminous road. Please confirm type of road to be considered by bidder.	Road shall be of Bituminous type as per Civil TS. The road shown in general layout drawing no. MEC/05/28/23UU/NGCS/TD/032 is a schematic representation.
45			Geotechnical Investigation Report	In tender, it is not mentioned about type of foundation and its capacity to be used. Also, minimum requirement for selecting type of foundation is not mentioned. Please provide geotechnical investigation report of the proposed site and minimum requirement for selecting type of foundation.	Type of foundation shall be decided during detail engineering which is in the scope of bidder. A preliminary geotech report and topographical survey shall be provided. However, detailed geotech investigation and report shall be included in the scope of the bidder. Refer corrigendum
46	05 of 338	2.0 E)	<b>Completion Schedule</b> 18 Months From date of issue of Fax of Acceptance.	Considering the volume of work and present global disruption in supply chain, request to change Completion Schedule to 24 Months from date of issue of Fax of Acceptance.	Tender condition prevails
47	11 of 338	Route #2	<b>BID EVALUATION CRITERIA (BEC) Technical Criteria</b> The Bidder shall form a tie-up agreement with an OEM or authorized packager of OEM of Natural Gas Compressor and the Bidder shall source the compressors from such tie-up partner. The tie-up agreement shall be valid up to one (01) year from the date of commissioning or up to defect liability period whichever is later.	We understand that there is no restriction to OEM or authorised packager to form a tie-up agreement with number of Bidders. However this clause is contradictory to the clause Clause 2.9 (b), Page 56 "If an OEM or its authorized packager participates directly in this tender, then he will not be allowed to tie up with any EPC or LSTK for this tender." We request you that there should not be any restriction on OEM or authorized packager to form a tie-up agreement even if that OEM or Authorized packager directly participates in this tender as bidder. This will help in more participation. Also bidders will have multiple options to form an agreement with OEM's or authorized packagers. Please note that there are very few OEM's or authorized packagers in the market who can manufacture this size of compressors.	Tender condition prevails



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48	15 of 338	F) i) (iv)	<b>Technical for BEC &amp; BQC Document Required</b> Certificate from OEM	We understand that, OEM certificate should state that the compressors mentioned against the BEC & EQC were manufactured by compressor OEM. Please confirm our understanding.	OEM certificate is required for meeting the requirement of EQC only wherever required.
49	56 of 338	2.9 (b)	If an OEM or its authorized packager participates directly in this tender, then he will not be allowed to tie up with any EPC or LSTK for this tender.	Please refer to the query above in Sr. No.2	Tender condition prevails
50	62 of 338	13.1.2	<b>Taxes &amp; Duties</b> <b>In case of Indian Bidder</b> Quoted prices should be inclusive of all taxes and duties, except GST (CGST & SGST or IGST or UTGST)	The contract for this tender will be EPC/ LSTK in nature and will be a works contract which involves supply of equipments along with services like construction, installation, commissioning, etc. Since the services are being rendered in Assam, we would like to invoice this service portion from our Assam registered office. As such the Invoices for the Services as mentioned above will be raised by us from our Assam GST registration which will comprise of 9% CGST and 9% SGST. We will provide necessary <b>documents for the same after contract award.</b> <b>Kindly accord your acceptance.</b>	Tender condition prevails
51	207 of 338	2.4.9	<b>General Condition of Contract</b> Only motors upto 3 HP will be allowed to be started direct on line. For motors above 3 HP and upto 100 HP a suitable Starting device approved by the ENGINEER- IN-CHARGE shall be provided by the CONTRACTOR.	We understand that, direct online starters are acceptable for motors (except compressor motor) above 3 HP rating also. Kindly confirm.	This point is related to temporary distribution of power from client's power distribution source for construction purpose. This is not related to the electrical equipment envisaged in the project.
52	297 of 338	21.1.2	<b>COMPENSATION FOR DELAY/PRICE REDUCTION SCHEDULE FOR ANY DELAY</b> "In case of delay in works related to clause 21.1.1, the Price Reduction shall be applied at the rate of ½% of the total contract value per week of delay or part thereof. The total liability of the Contractor to Employer/ Consultant under sub clause no. 21.1.1 on Compensation for Delay/Price Reduction Schedule shall not exceed 5% (Five Percent) of contract value. The compensation on account of any liability (ies) other than above shall be as per provisions of Bidding Documents. <b>The value referred in PRS clause is excluding taxes and duties reimbursable by IGGL.</b>	We understand that price reduction will be applicable on the basis of prices provided in the price schedule & not on the Total Contract Value. For example, price reduction will be applicable at the rate of 0.5% per week limited to 5% on the price quoted for " <b>Civil Work for Equipment Foundation</b> " if Civil Work for Equipment Foundation is not completed within the contractual completion period.	Tender condition prevails.





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53	306 of 338	39.5	In case, the performance guarantee test has not been carried out for reasons attributable to the Employer within a period of six month from the date of commissioning mentioned in Commissioning Certificate, the Contractor shall receive payment towards Performance Guarantee, against Bank Guarantee of equal value to be valid for a period of 12 (twelve) months beyond aforesaid six (6) months period and conducting of the Performance Guarantee Tests and its commercial implications, if any, shall be mutually finalized between the parties.	As per the clause, contractor will receive the payment for performance guarantee test against bank guarantee however there is no provision if there is delay in commissioning itself due to reasons attributable to the employer. Therefore the payment for performance guarantee test should be released within 60 days from the date of PAC (Preliminary Acceptance Certificate) against submission of bank guarantee of equal amount valid for 12 months. (12 months to be counted from date of PAC (Preliminary Acceptance Certificate). Please note that, payment against Performance guarantee test, final test will remain unpaid if there will be delay in commissioning and it will be better to have the conclusion on this point during pre tender stage only.	Please refer Clause no. 38.4 on page no. 305 of 338 of Volume-I. Also, refer corrigendum
54	08 of 627	01.02 TABLE 11)	<b>Natural Gas Compressor Station</b> Equipment details for main compressor 11. Design Pressure 92 kg/cm <sup>2</sup> g	Compressor Package design for discharge pressure will be 65 kg/cm <sup>2</sup> g as the compressor discharge pressure is 55 kg/cm <sup>2</sup> g. Kindly let us know our understanding is correct.	Compressor Package design for discharge pressure will be finalised by the bidder based on relevant codes and standards. However, design pressure for compressor downstream pipeline shall be 92kg/cm <sup>2</sup> g as per tender.
55	10 of 627	02.02.	<b>Technical Instruction to Tenderer</b> The Tenderer shall furnish the itemised 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 Tenderer separately.	Kindly let us know whether the spare list with prices to be included in technical offer as there is no provision in Price Schedule to mention price for same. It is not possible to estimate the spares required during operation of five years as spares requirement may vary based on the operational hours, condition of operations viz. input electrical supply, Gas quality, process conditions, etc. We can however quote recommended spares based on preventive maintenance schedule of compressor OEM.	Bidder to furnish only itemised list of spares with price as per tender requirement. However, same will not be considered for evaluation.
56	10 of 627	02.04.	<b>Technical Instruction to Tenderer</b> The Tenderer shall include in their scope a complete new and unused set of all special tools and tackles required for operation and maintenance of the equipment/installation supplied.	We understand that, one unused set of tools & tackles required for four compressors. Kindly let us know our understanding is correct.	Bidder's understanding is correct.
57	12 of 627	02.13.a)	<b>Inspection &amp; Works Testing</b> The plant and equipment shall be subjected to inspection and witnessing of shop tests by the Purchaser/ Consultant or the third party agency finalized by Purchaser.	Kindly let us know whether bidder is required to appoint third party inspection agency for inspection of tests?	The third party inspection agency, if required, is to finalised by the purchaser.
58	15 of 627	2.18. c)	<b>Erection, Testing &amp; Commissioning &amp; demonstration of Performance Guarantee</b> The performance guarantee parameters of the plant shall be demonstrated by the Tenderer within 12 months from the date of taking over.	We will be demonstrating performance before taking over immediately after commissioning. Purchaser to ensure availability of intake & offtake of gas at mentioned conditions in tender. In case such conditions as mentioned above are not possible for the reasons attributed to customer, then the payment of performance test if any should be released and contractor should be relieved from contractual obligations.	Refer corrigendum
59	18 of 627	03.02.10	<b>Scope of Work shall include</b> Drain pot for suction pulsation dampners.	Drain pot is not be required as common suction separator/KOD is provided at suction. Kindly accord your consent.	Tender condition shall prevail.



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60	18 of 627	03.02.11	<b>Scope of Work shall include</b> Vibration and temperature monitoring system as per applicable design codes.	Kindly note Vibration switch & transmitter will be provided on compressor & Air exchanger & same will be connected to PLC panel of the compressor, which is suitable for safe of operation of plant and hence separate vibration monitoring system will not be provided. Kindly accord your consent.	Tender condition shall prevail.
61	22 of 627	03.02. NOTE	<b>Scope of Work shall include</b> The topographical survey & geotechnical investigation are not included in scope of work, as these are being done through a separate package.	We understand that the topographical survey & geotechnical investigation is excluded from Bidders scope of supply, however in case of award of this contract happens prior to the order of the said survey & in case of any delay due to non availability of survey report at the execution stage of this Tender then the extension in completion period will be granted to the awardee by the purchaser without any application of penalty. Considering the quantum of civil work in project it is difficult to estimate these values based on assumptions. We request you to provide topographical survey & geotechnical investigation in the pre tendering phase. Kindly accord your consent.	A preliminary geotech report and topographical survey shall be provided. However, detailed geotech investigation and report shall be included in the scope of the bidder. Refer corrigendum.
62	30 of 627	04.01.10	Vendor shall ensure that life of Piston rings, rider rings, cylinder packings shall be guaranteed for a minimum duration of 8000 hours. Vendor shall select the compressor speed considering this criteria.	Guarantee is not provided for piston and rider rings as these are wearing parts.	Tender condition shall prevail.
63	32 of 627	04.01.15 vi)	<b>Cylinder Valves</b> Valve and Suction Valve Unloader: Unloader shall be reverse action type (Air to Load).	Unloader will be reverse action type (Air to UnLoad) as per compressor OEM standard design.	Tender condition shall prevail.
64	36 of 627	04.01.27 a)	<b>Drivers</b> For all electrical motors, motors shall have rating as a minimum 110% of the maximum brake power (including transmission losses) required under any of the compressor operating conditions.	110% of Design case brake power will be considered for deciding motor rating and same will be suitable for other applicable operating cases. This will result in optimum selection of motor rating. Kindly accord your consent.	Tender condition shall prevail.
65	40 of 893	04.01.32 xvi)	<b>After Coolers</b> Fans shall be fitted with vibration monitoring accelerometers which shall be cabled down to a readily accessible junction box to enable connection of vibration measuring equipment.	Vibration Switch/Transmitter will be provided. Kindly accord your consent.	Tender condition shall prevail.
66	44 of 627	04.01.41 a)1)	<b>Testing For Assembled Equipment</b> Mechanical Run Test to be Witnessed by third party inspection agency / Purchaser's Representative. YES	Mechanical Run Test will be demonstrated at packager works and will be combined with package unit test.	Mechanical Run Test and Packaged Unit Test to be conducted separately.
67	44 of 627	04.01.41 b)ii)	<b>Hydrostatic and Leakage Tests</b> The frame and the distance piece shall be tested for leaks using kerosene for a minimum period of 24hours.	Leak test for distance piece and frame is not carried out by OEM as these are non pressurized parts. Kindly accord your consent.	Tender condition shall prevail.



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S.N.	CL. No.	Section/ Page	Section Detail/Description	Clarification / Deviation	MECON's Reply
68	44 of 627	04.01.41 c)j)	<b>Mechanical Run Test</b> The major components including compressor and driver separately shall be tested at respective manufacturer's shop in accordance with the specifications. The compressor shall be operated for 4 hours at rated speed.	Please clarify whether this mechanical run test will be witnessed by purchaser.	Witness of mechanical run test will be decided during detailed engineering.
69	207 of 627	04.05.01	<b>Instrument Air Compressor</b> Oil free, air cooled screw type Air Compressor	We will provide Oil Flooded, screw type compressor along with oil filter at discharge to restrict the oil carryover in compressed air. Pressurized air can be used as instrument air.	Tender condition shall prevail.
70	238 of 627	04.06.02 t)	<b>CIVIL Scope of Work</b> All fencing & gates as required	We understand that fencing & gates are included in bidder scope, however it is not mentioned any details for boundary / compound wall, kindly clarify whether it exists presently or not. Also clarify whether it is bidders scope of supply or not ?	Boundary wall is not in the scope of Bidder.
71	246 of 627	04.06.08.04 e)	<b>Earth Pressure Loads</b> For earth pressure the worst condition with dry / submerged and active, passive or at rest condition shall be considered. <b>(The pressure coefficient shall be adopted as recommended in Soil Report or for the backfill material used.)</b>	Please note the soil report is not provided & may cause implications in terms of costing as well as calculations. Request to kindly provide the soil report in pre-tendering phase.	A preliminary geotech report and topographical survey shall be provided. However, detailed geotech investigation and report shall be included in the scope of the bidder. Commercial implications, if any, shall not be acceptable. Refer corrigendum.
72	7 of 538	04.08.03.22.02	<b>ARCHITECTURE</b> List of Submittals The contractor shall submit the following during the execution of the project	Bidder understands that Interior, Furniture & Infrastructure are in bidders scope. However, list of submittals only restricts to drawings and no clarity on who will execute the same. Kindly clarify scope whether bidder need to provide only submittals or supply required material and execute the interior, furniture and infrastructure?	Scope of supply and execution of furniture and interior work for the control room building shall be as per the scope mentioned in Chapter 06.00. For other buildings, furniture and interior work is not in the scope of supply and execution.
73	232 of 538	8.1	<b>Y/T Type Strainer SPARE PARTS &amp; TOOLS</b> Vendor shall furnish a separate itemized priced list of recommended spares for one as well as two (2) years normal operation and maintenance.	Please clarify where to include the price list of spares as there is no provision in price schedule for same.	This shall not be included in the price schedule. This may be included elsewhere in the bid.
74	259 of 538	9.2	<b>BALL VALVE SPARES &amp; ACCESSORIES</b> Manufacturer shall furnish list of recommended spares and accessories required for two years of normal operation and maintenance of valves and price for such spares shall be quoted separately.	Please clarify where to include the price list of spares as there is no provision in price schedule for same.	This shall not be included in the price schedule. This may be included elsewhere in the bid.
75	269 of 538	8.1	<b>PROCESS &amp; PIPING DESIGN SECTION SPARES &amp; ACCESSORIES</b> Manufacturer shall recommend and quote separately the spares for valves required for commissioning and two years of normal operation.	Please clarify where to include the price list of spares as there is no provision in price schedule for same.	This shall not be included in the price schedule. Only the itemized price list of the recommended spares is envisaged. This may be included elsewhere in the bid.
76	382 of 538	04.10.02	<b>N2 Facilities Technical Requirements</b> Itemized price list of spares required for operation and maintenance for 2 years (separate itemised price to be quoted).	Please clarify where to include the price list of spares as there is no provision in price schedule for same.	This shall not be included in the price schedule. This may be included elsewhere in the bid.



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77	383 of 538	04.10.03	<b>N2 Facilities Technical Requirements</b> The minimum capacity of the N2 plant shall be 120Nm <sup>3</sup> /hr. It shall be finalized during detail engineering	We understand that, based on study during detail engineering if the capacity of N2 plant requirement happens to be less than 120 Nm <sup>3</sup> /hr then it will be acceptable.	Minimum capacity of the N2 plant shall be considered as 120 Nm <sup>3</sup> /hr, even if the calculations deduce the capacity to be less than 120 Nm <sup>3</sup> /hr.
78	387 of 538	04.11.02 1)	<b>Mechanical Workshop</b> Centre Lathe Capable to handle assembled pulley role for the OD turning. SOB & CD to be decided accordingly.	We understand that pulley means pulley used in compressor package assembly.	Lathe machine shall be automatic type capable of turning, taper turning, thread cutting etc. SOB shall be considered as 550mm, CD shall be considered as 2000mm, power rating shall be around 11KW. Refer corrigendum.
79	387 of 538	04.11.02 2)	<b>Mechanical Workshop</b> Hydraulic Press M/C	Kindly provide capacity for the Hydraulic Press M/C as we cannot estimate capacity to match assembly/disassembly operations of crusher rolls.	Vertical type hydraulic press machine with capacity of 200 tonnes shall be considered. Refer corrigendum.
80	448 of 538	04.15.5	<b>ELEVATORS</b> <b>Scope of Work</b> Tenderer shall also quote separately for AMC (including spares and consumables) of each lift to be carried out after guarantee period. The offer shall also include the % increase in rate for subsequent period.	Please clarify where to include the price list of spares as there is no provision in price schedule for same.	This shall not be included in the price schedule. This may be included elsewhere in the bid.
81	164 of 419	05.01.01 NOTE	<b>Electrical System</b> Motors shall have EX-d / Ex-de flame proof enclosure with increase safety terminal box.	Kindly note that as per the compression application, the "zone" in terms of hazardous area will be " Zone -2" and hence as per our experience, Motor of "EX-n" type also are suitable to be installed for the subject tender. Kindly accord your consent.	Please consider as per TS
82	339 of 419	6	<b>CONTROL &amp; INSTRUMENTATION &amp; P&amp;ID</b> <b>reference PLC configuration diagram</b>	In reference with PLC configuration diagram Please clarify that the bidder needs to consider four different PLC Control panels for the Gas Compressor package or One common PLC control panel for all the four compressors. As per our suggestion, One Common panel for all the four compressors is also suitable as tender specifies redundant PLC system. We can consider different I/O racks for four compressors to insure non stoppage of the running compressor in case of fault in any of the compressor packages. Kindly confirm your acceptance as suggested by us.	Bidder shall confirm to comply as per TS.
83	339 of 419	6.01	<b>CONTROL &amp; INSTRUMENTATION</b> The basic philosophy of C&I system shall be based on dedicated microprocessor based SIL-3 redundant TMR Programmable logic Control (PLC) System for the each Natural Gas Compressor Package with 4-20 mA unified current signal system along with 1:1 hot redundant common PLC for respective plant automation.	We will offer SIL-3 redundant FMR Programmable logic Control (PLC) System for the each Natural Gas Compressor package. The specification asks for SIL3 redundant TMR PLC system with 1:1 hot redundant PLC. In lieu of TMR PLC system, we wish to offer, Siemens make, SIL3 1:1 hot redundant PLC system with FMR (Flexible Modular Redundancy) features which is TUV approved. Further, all our Gas Compressor packages supplied till date for various Gas Compression applications in the upstream, midstream sector viz. ONGC, OIL, etc., are with SIL3 FMR feature and are appropriate for the service in terms of Operation & Safety. Hence, we suggest you to accept as proposed by us. A detailed analogy is also enclosed for your kind reference.	<b>Deviation is not acceptable .</b> <b>Clarification</b> :Refer Chapter 06 and respective clauses . Further we would like to clarify that for plant automation 1:1 hot redundant common PLC to be considered. However for each and individual compressor dedicated SIL3 redundant TMR system to be provided as per TS.
84	409 of 419	6.03	<b>Scope of Supply &amp; works</b> Process Gas System - Piston Rod Drop Indicator (if applicable)	Offered Compressors are short stroke, high speed machines therefore piston rod drop indicator is not recommended and not possible due to non availability of space on compressor frame. Kindly accord your consent.	Noted. Refer TS Clause 06.03 (If applicable)
85	249 of 260	14.02	<b>Natural Gas Facility &amp; Compressed Air Equipment</b> Suggested Vendor List for Control Valves	Request to consider Vendors - Severn Glocon, KSB as a substitute for Suggested Vendor List of Control Valves	Tender condition shall prevail.



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86	249 of 260	14.02	<b>Natural Gas Facility &amp; Compressed Air Equipment</b> Suggested Vendor List for Pressure Vessel & Tankls.	Request to consider Vendors - Filsep, ISHAN Equipments, Loyal Equipments, EAC Engineers, RD Engineers as a substitute for Suggested Vendor List of Control Valves	Tender condition shall prevail.
87	253 of 260	14.06.A	<b>ELECTRICAL Power Distribution Equipment</b> 22. Solar Modules 23. Solar Charge Controller 24. Solar PCU / Inverter	Request to consider Vendors - Kirloskar Integrated Technologies Ltd. as a substitute for Suggested Vendor List of Solar Modules, Solar Charge Controller, Solar PCU / Inverter	Tender condition prevails
88	255 of 260	14.06.C.2	<b>ELECTRICAL - Power Control / Electronics &amp; Automation Items</b> VVF Drives 1. LT MOTORS 2. HT MOTORS MV DRIVE / HI-LO-HI DRIVE	Request to consider Vendors - NIDEC a substitute for Suggested Vendor List of VVF Drives for LT MOTORS. Request to consider Vendors - NIDEC/ Schneiders as a substitute for Suggested Vendor List of VVF Drives HT MOTORS MV DRIVE/ HI- LO-HI DRIVE	Makes shall be as per TS
89	258 of 260	14.06 E.7	<b>ELECTRICAL Motors</b> HT AC Motors	Request to consider Vendors - NIDEC as a substitute for Suggested Vendor List of HT AC Motors	Makes shall be as per TS
90	14 of 29	DWG. 016	<b>GUARD ROOM CUM WATCH TOWER</b>	Please provide clarity whether separate guard room is required at every watch tower at ground level ?	Separate guard room to be provided with every watch tower at ground level.
91	11 of 338	A.1 .1 Route#2	Technical Evaluation Criteria	Bidder to be allowed to tie-up with multiple Technology Provider for compressor during the bid phase, however at post award Bidder to choose any one for the proejct. This would enable Bidder to provide better solution to the client and avoid any post award hiccups.	Refer corrigendum
92	164 of 419		Compressor driver main motor	For compressor driver main motor Exp type motor has been accepted for similar PSU Projects in India for similar capacity. Exd motor for this capacity will be imported one and will have impact on project delivery. Request consideration of Exp motor	Tender condition prevails.
93			Pre-bid queries	Request extension of pre-bid queries submission date upto 07-Aug-2022 i.e till next weekend.	Extension shall not be provided for submission of pre bid queries.
94	5 of 338	2. E	Completion /Execution Period	Bidder request to extend the completion schedule to 24 months. Since the delivery of Exd-motor is more than 16months after the approval of all drawings	Tender condition prevails.
95	11 of 338	A.(BEC) a. b.c	Completed work amount	The Completed works costing amount mentioned for the three, two and One project is inclusive of GST. Please confirm.	Tender condition prevails.



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96	147 of 627	04.04.05.3	Two years operation and maintenance spares :	Bidder understand that the price for the 2 years Operation and Maintenance Spares needs to be submitted after 3 months of award of contract and it is not to be included in the Price. Please confirm our understanding  If Bidder needs to provide the Price for the 2 years operation and maintenance Spares request to provide the Price Schedule.	This shall not be included in the price schedule. This may be included elsewhere in the bid.
97	79 of 338	36.6	COMC	Bidder understand the order for the Comprehensive Operation and Maintenance Contract is placed directly on the OEM (Compressor Supplier). Please confirm our understanding.	COMC is in the scope of the bidder itself. Refer Corrigendum
98	206 of 338	2.4.1	Power Supply	Request to provide the power charges per KW per month If the Power is supplied by Employer	Electricity charges shall be as per the bills provided by the state electricity board.
99	207 of 338	2.5	Land	Land for Contractor's Field Office, Godown and Workshop shall be provided to the bidder free of cost. Please confirm our understanding	Tender condition prevails.
100			Civil Work	Graded / Levelled site shall be provided to the bidder Please confirm.	Confirmed. However, microlevelling is in the scope of the bidder.
101			Civil Work	Bidder understands no land filling is required for the project. and we can use the excavated sand for the filling purpose (if required). Please confirm.	Please refer reply to point no. 100.
102	General	General	P&IDs	P&IDs of many utilities like Nitrogen, IA Compressor, ETP with OWS-CRS system, Sewage Disposal, Gas condensate storage are not provided in tender. Client may please provide the same.	These shall be prepared during detail engineering which is in the scope of the Bidder.
103	General	General	Fire water system P&ID	Sizing of equipment's like fire water tanks, pumps, line sizing etc. Are not mentioned in fire water system P&ID. Client may please provide the detailed P&ID.	The Design & Sizing shall be carried by the successful bidder as per Tender conditions, OISD Standards and other applicable codes as mentioned in Tender Document.
104	General	General	P&IDs	P&IDs are seems to be like PFDs with no line sizing, equipment sizing, piping specs details etc. Client to please provide the detailed P&IDs.	Basic P&ID has been furnished in the tender. Detailed drawing shall be prepared by the bidder as design and engineering are in the scope of the bidder.
105	General	General	Equipment List	Equipment list is not provided in tender documents. Client to please provide the same.	These shall be prepared during detail engineering which is in the scope of the Bidder.
106	General	General	PDS	Process data sheet of only main compressor is provided in tender documents. PDS of other equipment's are not provided. Client to please provide all the PDS.	These shall be prepared during detail engineering which is in the scope of the Bidder.
107	General	General	Fluid property	Fluid properties (Liquid/gas density, viscosity, vapor pressure etc.) are not provided in tender. Client may please provide the same.	Refer reply to points no. 8, 9. For vapor pressure, gas composition has been mentioned in the tender document. May be calculated accordingly.
108	General	General	Documents are missing	Following documents are missing in tender. 1. Process design basis 2. Vent & drain philosophy 3. Shutdown philosophy 4. Isolation philosophy Bidder request client to provide above documents, if available.	Basic requirement is given in the specification. Based on it, the design and engineering has to be carried out by the bidder.
109	General	General	Equipment List	Equipment List is not available in Tender Documents, request Owner to provide same	Datasheets will be given by the bidder during detail engineering which is in the scope of the bidder.
110	General	General	Design Basis	Design Basis for Process, Mechanical, Electrical , Instrumentation & Civil is not available in Tender Documents, request Owner to provide same	Basic requirement is given in the specification. Based on it, the design and engineering has to be carried out by the bidder.
111	-	Sr. No. 5 of Clause 01.02 of MEC/S/23UU/05/28/0001_Intent of specification_Chapter-01	After Cooler	After Cooler datasheet is not available in Tender Documents, request Owner to provide same	Datasheets will be given by the bidder during detail engineering which is in the scope of the bidder.
112	-	Sr. No. 7 of Clause 01.02 of MEC/S/23UU/05/28/0001_Intent of specification_Chapter-01	Fire Water Tanks	Fire Water Tanks datasheet is not available in Tender Documents, request Owner to provide same	Datasheets will be given by the bidder during detail engineering which is in the scope of the bidder.
113	-	Sr. No. 11 of Clause 01.02 of MEC/S/23UU/05/28/0001_Intent of specification_Chapter-01	Diesel Generator Sets	Diesel Generator Sets datasheet is not available in Tender Documents, request Owner to provide same	Datasheets will be given by the bidder during detail engineering which is in the scope of the bidder.
114	-	Sr. No. 11 of Clause 01.02 of MEC/S/23UU/05/28/0001_Intent of specification_Chapter-01	Day Oil Tanks	Day Oil Tanks datasheet is not available in Tender Documents, request Owner to provide same	Datasheets will be given by the bidder during detail engineering which is in the scope of the bidder.



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115	-	Sr. No. 18 of Clause 01.02 of MEC/S/23UU/05/28/0001_Intent of specification Chapter-01	Nitrogen Generating Unit	Nitrogen Generating Unit datasheet is not available in Tender Documents, request Owner to provide same	Datasheets will be given by the bidder during detail engineering which is in the scope of the bidder.
116	-	Sr. No. 19 of Clause 01.02 of MEC/S/23UU/05/28/0001_Intent of specification Chapter-01	Instrument air compressor	Instrument Air Compressor datasheet is not available in Tender Documents, request Owner to provide same	Datasheets will be given by the bidder during detail engineering which is in the scope of the bidder.
117	-	Sr. No. 29 of Clause 01.02 of MEC/S/23UU/05/28/0001_Intent of specification Chapter-01	Flare Stack	Flare Stack datasheet is not available in Tender Documents, request Owner to provide same	Datasheets will be given by the bidder during detail engineering which is in the scope of the bidder.
118	-	Sr. No. 32 of Clause 01.02 of MEC/S/23UU/05/28/0001_Intent of specification Chapter-01	Effluent Treatment Plant	Effluent Treatment Plant Package datasheet is not available in Tender Documents, request Owner to provide same	Datasheets will be given by the bidder during detail engineering which is in the scope of the bidder.
119	General	General	Spare Philosophy	Spare Philosophy is not available in Tender Documents, request Owner to provide same	Design and Engineering of entire plant & equipment is under the scope of Bidder. However, relevant chapters to be referred for specific requirement of spares
120	General	General	Insulation Philosophy	Insulation philosophy is not available in Tender Documents, request Owner to provide same	To be furnished by the bidder during detail engineering which is in the scope of the bidder
121	General	General	Bore well	Bidder can use/drill the bore well for the Water requirement of the project. Please confirm	Confirmed
122	417/538	04.14: 04.14.01-Scope	SOLAR PHOTO VOLTAIC (SPV) POWER SUPPLY SYSTEM	Bidder understand that On grid solar power supply system shall be provide for critical loads only under Admin & control room buildings and also it is connected with nearest grid State Electricity Board power supply with Power metering arrangements, Please confirm Bidder understanding.	Confirmed. For sizing of PV system refer clause 4.14.01 of page 1063 of 1930.
123	417/538	04.14: 04.14.01-Scope	SOLAR PHOTO VOLTAIC (SPV) POWER SUPPLY SYSTEM	Bidder request to confirm location of solar array, solar charge controllers & Distribution boxes which is fed to power for Admin & control room buildings.	Solar array shall be roof mounted at control room and administration building. Charge controller and distribution box location will be decided during detail engineering.
124	417/538	04.14: 04.14.01-Scope	SOLAR PHOTO VOLTAIC (SPV) POWER SUPPLY SYSTEM	Bidder understand that rating of PV Solar Electric system shall be provided, whichever is higher of below mentioned system. A. (min.) 20% of annual energy consumption of building. B. Roof mounted 40 Kwp PV system at Admin building and 20 Kwp at control room building. Please confirm Bidder understanding.	Confirmed
125	391/538	04.13.02 BATTERY LIMIT:	EMS system	Bidder understand that EMS system, active and passive device for voice and data are included in the scope of bidder. Only the EPABX panel is being supplied by third party. The EPABX panel will be installed in control room building by the bidder..	Confirmed
126	391/538	04.13.03 WORK DETAIL: PT NO.-08	EMS system	Bidder request to provide existing Third Party Device Integration through BACnet / MSTP or BACnet /IP or Lonworks or Modbus RTU and Modbus TCP protocols with suitable media converter. Bidder request to provide Third Party Device list.	This is a green field project, hence no device available at present. However, System shall be provided with suitable media converter for connection on BACnet, TCP-IP, Modbus RS-485 etc. of devices like plant PLC, Substation SCADA, Energy meters etc.
127	162/419	05.01.01 Scope and Brief Description of Work	ELECTRICAL SYSTEM	Bidder understand that at Switchyard work for Tapping Power Supply from APDCL Switchyard inside Plant premises spare feeder is readily available for required rating and cable termination & laying is under Bidder scope. Please confirm Bidder understanding.	M/S APDCL shall install switchyard for feeding power supply to the proposed plant on deposit basis as per SLD (MEC/05/28/23UU/NGCS/TD/20 sht1 of1). Necessary interconnection from this switchyard shall be done by bidder as per TS.
128	-	-	General	Bidder request to Provide Technical Specification of the following. 1. HV Switchboard 2. MV Switchboard 3. Diesel Generator 4. DC System. 5. UPS System 6. NGR. 7. Nitrogen injection fire protection system. 8. Substation Automation.	In the Electrical Chapter all the Specifications of Major electrical items has been mentioned. Diesel Generator Specification has mentioned in separate chapter
129	-	-	General	Bidder request to provide Standard Installation drawing for Electrical items.	Bidder shall do the installation as per standards and for that the drawings shall be prepared by bidder and shall be submitted to Client/Consultant for scrutiny.



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130	-	-	General	Bidder understand that all Power and control cable laying inside trench should be direct buried. Please confirm Bidder understanding.	Power and Control Cable laying in the Plant and Substation has already mentioned detailed in the TS. The detailed shall be decided as per Layout in DE stage.
131	-	-	General	Bidder request to provide the mandatory spare list of Electrical, if any.	Spare List shall be considered as mentioned in Chapter 03.00
132		General	P & ID	Client to please provide the P & ID applicable for the project	Basic P&ID has been furnished in the tender. Detailed drawing shall be prepared by the bidder as design and engineering are in the scope of the bidder.
133		General	Instrumentation	Client to please provide the I/O List applicable for the Project	Refer Clause no. 06.03 and P&IDs
134		General	Instrumentation	Client to please provide the Instrument List applicable for the Project	Refer Clause no. 06.03 and P&IDs
135		General	Instrumentation	Client to please provide the Tag wise data sheet for the Instruments equipment i.e. Transmitters (Level Instruments, Flow Instruments, Temperature Instruments, Pressure Instruments) & Valve (Control Valve, On-Off Valve, Safety Valve)	Bidder to furnish during detail engineering
136		General	Instrumentation	Client to confirm whether MMS system (Machine monitoring system) is applicable for the project.	Yes
137		General	Instrumentation	Client to confirm whether Gas Detection System is applicable for the Project or not	Gas detection system is required. Refer corrigendum
138		General	Instrumentation	Client to confirm the requirement Telecommunication scope i.e. CCTV, PAGA System. If it is required, client to provide the quantity & Specification for the same.	Included in the scope. Refer chapter 06.00 for details.
139		General	Instrumentation	Client to please provide the Instrumentation Trench Layout.	Shall be decided during detail engineering. However the same shall be followed wrt to Elect. Trench layout.
140	43 of 627	04.01.37	Painting and Insulation	Bidder understand that only compressor discharge to coolers including discharge pulsation dampeners shall be insulated with Aluminum cladding. All other lines are not required any insulation. Please confirm.	To be decided during detail engineering
141	43 of 627	04.01.40	Flaring System / Pilot burner arrangement with supplementary fuel i.e., propane or LPG shall be considered for hot flare	Bidder understand that supplementary fuel i.e., propane or LPG connection will be provided by client near Pilot Burner.	Tender condition shall prevail. However, fuel shall be provided by the Purchaser.
142	43 of 627	04.01.40	Flaring System / All vents from KODs, Compressors, gas pipeline shall be routed through common flare header up to the flare stack	Whether separate Trestle need to be considered for routing of Flare header piping till Flare Stack. Please Confirm.	To be decided during detailed engineering.
143	46 of 627	04.02 / WATER SYSTEM / 04.02.01 Scope of work	ii) Supply of pipeline supports, thrust blocks/ anchor blocks, RCC pedestals etc. for overhead / on-ground / underground pipelines.	Bidder understand that as there is no scope related to Pipeline in these Tenders, so mention clause/point are not applicable for this tender	Design, Supply, erection, testing, commissioning etc. complete in turnkey mode of Pipeline along with necessary supports as required (for make-up water, drinking water, firefighting, gas pipeline etc.) within the battery limits is in the scope of the bidder.
144	47 of 627	04.02 / WATER SYSTEM / 04.02.01 Scope of work	viii) All necessary connections for hook-up with Employer's system at battery limits.	Please provide Tie in connection & its location detail for hook up with Employer system /Municipal Connection for Drinking water System.	Shall be finalized during detail engineering, if required, however the scope of bidder shall be within the battery limit.
145	49 of 627	04.02 / WATER SYSTEM / 04.02.02 Battery limit / b) Make-up /Service water system	i) Supply, laying, testing and commissioning of make up water pipelines from drinking water network up to respective consumers.	Bidder understand that for make up water we need to use "piping" & not a " pipeline". Please confirm.	Query is not clear. Bidder to note that design, engineering supply, erection, testing, commissioning etc. complete in turnkey mode is in the scope of bidder.
146	49 of 627	04.02 / WATER SYSTEM / 04.02.02 Battery limit / c) Interplant pipelines	Drinking water, make-up water, service water, and general plant usage will be met through the proposed interplant pipelines to be supplied & laid by the bidder.	Bidder Could not find any details related to mention "Interplant Pipeline". Please Provide the same.	Details are to be worked out by the bidder based on the system requirement. Pipeline (for make-up water, drinking water, firefighting, gas pipeline etc.) is in the scope of the tender
147	53 of 627	04.02 / WATER SYSTEM / 04.02.03 Pump House Design Criteria	u. Rubber Expansion joints near the pumps on both suction and delivery lines before reducers (i.e. size same as suction/delivery valve size).	Please provide Datasheet & Specification for Rubber Expansion Joint.	Please refer Chapter no. 04.02, Cl. No. 04.02.28
148	58 of 627	04.02 / WATER SYSTEM / 04.02.08 LAYING BURIED PIPELINES	a. All buried pipelines shall be laid with earth cover sufficient to avoid damage	Bidder understand that Pipeline Scope is not envisaged for this Tender. Please confirm.	Refer our reply above, Pipeline is in the scope of bidder.
149	24 of 627	03.01 Scope of Work / 5. Emergency System Reviews	iii) Active fire protection system (e.g. deluge valve, ring main, monitors, fire hydrants and foam facilities)	Please provide datasheet for deluge valve, monitors, and foam facilities etc.	Refer Specifications/Data sheets attached in Tender Document.





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150	29 of 29	Fire layout for compressor station at Guwahati	---	Bidder understand that Complete Fire network shown in Fire Layout is in Bidder Scope. Please confirm	The Complete Fire Water network as indicated in Tender Document & Fire Layout is in the Scope of Bidder
151	1 of 2 of 29	General layout for Compressor Station at Guwahati	---	Bidder understand that as per Compressor Station layout Metering Skid , Launcher , Pipeline ( from GAIL BPCL line & 24" U/G P/L to SV-01) shown in layout, is in "other contractor Scope". Please Confirm.	Confirmed.
152	...	...	Demolition	Bidder understand that , in this Tender Demolition scope is not envisaged. Please confirm.	The project is a green field project. Demolition is not considered.
153	...	...	Valve Material Specification	Bidder request to provided the Valve datasheets for Process & Utility Piping	Please refer the technical specification for the same. In absence of details in the specification, the successful bidder shall submit the datasheets etc. during detail engineering which shall be reviewed and approved by PMC / client.
154	...	...	3D modelling of Compressor station	Bidder request to confirm the scope of 3D modelling and Provide the specification for 3D modelling.	3D modelling is not in the scope of the bidder.
155	...	...	Insulation	Bidder request to confirm the scope related insulation & heat tracing	Design and Engineering of entire plant & equipment is under the scope of Bidder.
156	...	...	NACE Requirement	Bidder understands that there is no requirement of NACE piping for this project.	The piping material shall be as per the codes and standards mentioned in the tender.
157	...	...	Hook up drawing	Bidder request to provided the instrument hook up drawing.	Shall be furnished by the bidder during detail engineering which is in the scope of Bidder.
158	...	...	Pipe support standard	Bidder request to provide the pipe support standard for this project	Refer Chapter no. 04.02.
159	...	...	Underground Piping (process & fw)	Bidder request to provide the specification for Under ground piping.	Refer Chapter no. 04.02.
160	...	...	mandatory spares	Bidder request to provide the mandatory spare list of piping ,if any.	Refer Chapter no. 04.02.
161	...	...	free issue items.	Bidder understand that no free item is envisaged in this tender. Please confirm.	Confirmed
162	...	...	pipe rack requirement	Bidder understands that sleeper can be used in station	Query not clear
163	...	...	...	Bidder understands that only 1 Qty. of Fire Tender need to Provide. Please confirm	Tender Conditions Prevail. Refer Clause No. 04.09.02.02 of Tender Document.
164	6 of 11	3.02	Geotech investigation & Topo survey	As per scope Geotech & topo survey are not included in scope of work as these are being done through separate package. Kindly clarify that company will provide the geotech and topo survey to bidder during bidding stage and same will be used for detail engineering.	A preliminary geotech report and topographical survey shall be provided. However, detailed geotech investigation and report shall be included in the scope of the bidder. Refer corrigendum.
165	6 of 11	3.02	Geotech investigation & Topo survey	If the Geotech investigation report is not available request to provide the type of foundation needs to be considered for the building and for equipment's foundation	A preliminary geotech report and topographical survey shall be provided. However, detailed geotech investigation and report shall be included in the scope of the bidder. Refer corrigendum.
166	page 241 of 1910	4.06.07.02	Road Type	As per clause 4.06.07.07 mentioned The roads shall be of Bituminous type. While drawing No MEC/05/28/23UU/NGCS/TD/032, General layout for compressor station at Guwahati shows the Typical section of Road which indicate the concrete Road. Kindly clarify type of road requirement inside the plant	Road shall be of Bituminous type as per Civil TS.The road shown in general layout drawing no. MEC/05/28/23UU/NGCS/TD/032 is a schematic representation.
167				Bidder understands that access road to the plant is not in Bidders scope.	The land is adjacent to highway; the access road is in the scope of bidder.
168		04.09.02.07		Bidder request to provide standard drawing for compound wall ,drain, pavement, road ,trenches, pipe culvert, pipe support etc. for reference	The design and drawings of these units are to be provided by bidder during detailed Engineering stage
169				Bidder request to provide standard specification for civil works.	Standard specification for Civil works is already provided in GS-07 which is a part of the Civil TS
170	312 of 338	2.1.4	<b>ANNEXURE-1 TO SSC Terms of Payment</b> Two and a half percent (2.5%) of the Contract Price (which is including corresponding Goods and Services Tax), specified in the Section-VI, shall be released upon issue of the Preliminary Acceptance Certificate.	We understand that the subject milestone payments will be paid against the completion of particular activity i.e. preliminary acceptance certificate, commissioning , performance gaurantee, for the complete plant. However, we wish to draw your attention to an important point that the complete plant will consist of Civil works, office area , utility packages, work shop area , fire fighting equipments, Compressor area , electrical substation , etc. While executing the project it may happen that the complete facility viz. office area, utilities, roads	Refer corrigendum.



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171	312 of 338	2.1.5	<b>ANNEXURE-1 TO SSC</b> <b>Terms of Payment</b> Two and a half percent (2.5%) of the Contract Price (which is including corresponding Goods and Services Tax), specified in the Section-VI, shall be released upon issue of the Commissioning Certificate.	, workshop, fire fighting , etc are completed and handed over to owner except the compression facility which may not be commissioned due to want of Natural Gas or any other reasons attributed to owner. In above scenario, even after completing majority of work ( in terms of % of contract value), the contractor will not get any payment of the activity which completed as the payment terms refers to the completeness of plant. To be fair for both the parties i.e. Contractor & Owner, We propose that upto the last milestone payment i.e. Final acceptance of the plant, the payment terms should be segregated with respect the milestone payments as done for the engineering and supply of the plant. The contractor will then handover the respective area / equipment / utility on respective basis and claim the payment upto the performance / completeness as the case may be for that particular area / equipment. The contractor can claim the final payment only once the complete plant is handed over after respective testing , etc.	Refer corrigendum.
172	312 of 338	2.1.6	<b>ANNEXURE-1 TO SSC</b> <b>Terms of Payment</b> Five percent (5%) of the Contract Price (which is including corresponding Goods and Services Tax), specified in the Section-VI, shall be released after establishment of Performance Guarantee parameters and issue of performance guarantee certificate.	Requested to accept our proposal and amend the payment terms as suggested by us.	Refer corrigendum.
173	325 of 338	NOTE 1.	<b>SECTION - VI</b> <b>Schedule of Rates</b> <u>Table No.1</u> NOTES: 1. The value of Input Tax Credit (Sl. No. 18) should match with Schedule 1.10	The value of Input Tax Credit <b>(Sl. No. 15)</b> should match with Schedule 1.10	Change incorporated and Price schedule updated accordingly. Refer corrigendum.