



**REPLY TO PRE-BID QUERIES RAISED DURING PRE-BID MEETING
OPEN E-TENDER FOR
PROCUREMENT OF MOTOR DRIVEN CNG COMPRESSOR (250 SCMH)**



Tender Doc No. REPL/VGL/NGBC/011/20
Tender Type- Open

Date / Time of Pre- Bid :
08/02/2021 / 11:00:00

Sr. No.	Section	Tender Clause No. / Annexures	Page No.	Tender Clause	Bidder Clarifications/ Query	REPL/VGL Recommendations
Commercial Queries						
1	I		4 of 124	This shall be an Annual Rate Contract valid for a period of 01 (One) year, extendable up to further 06 (Six) months. The quantities mentioned in the Schedule of Rates (SOR) are indicative and for inviting unit rates for the items and for evaluation purpose only. However, the procurement will be done based on the actual requirement by placing separate Delivery Orders (DO) each time during the validity of the Rate Contract	We request you to kindly add clause mentioning cap of increase or decrease in quantities. i.e. quantity variation of $\pm 10\%$ will be allowed.	If entire SOR qty. has been ordered within 06 Months from the date award, then clause no. 40 of GCC (page no-58) shall be applicable. In all other cases, Qty. Variation of +/- 20% will be allowed.
2	III	40. Repeat Order	58 of 124	40.1 PURCHASER reserves the right, within 6 months of order to place repeat order up to 50% of the total order value without any change in unit price or other terms and conditions.	This repeat order shall be decided on mutual agreement between client and supplier. Kindly confirm	If entire SOR qty. has been ordered within 06 Months from the date award, then clause no. 40 of GCC (page no-58) shall be applicable. In all other cases, Qty. Variation of +/- 20% will be allowed.
3	I	4. Delivery Period			We request you to consider the delivery period from the date of approval of drawing.	Tender condition prevails
4	I	4. Delivery Period	4 of 124	Delivery location for supply of Motor Driven CNG Compressor (250 SCHM) will be as follows: VADODARA (Warehouse / Site): 10 nos.	We understand that bidder is required to deliver the compressor packages at VADODARA (Warehouse / Site) as there is no separate SOR line item for re-transportation. Subsequent re-transportation including loading & unloading to any other site or any other location in purchaser's scope. Please confirm if our understanding is correct.	Re-transportation from client store to site shall be reimbursed as per actuals on submission of Tax Invoice subject to price reasonability as per market situation & prior approval from VGL.
5	I	6. Bid Security/ EMD	4 of 124	Bidders registered with NSIC/MSME, under its single point registration scheme are exempted from furnishing Bid Security and Tender fees.	Bidder requests to confirm if company registered with MSME - Udyam Registration is eligible for EMD exemption.	Bidder understanding is correct
6	I	6. Bid Security/ EMD	4 of 124	Bid Security / EMD of Rs.6,53,070/-	As per para 4 & 6 of Office Memorandum No. F.9/4/2020-PPD dt.12th November, 2020 (copy attached) issued by Govt. of India, Ministry of Finance, Department of Expenditure Procurement Policy Division, No Provisions regarding Bid Security should be kept in the Bid Documents in future and only provision for Bid Security Declaration should be kept in Bid Documents for all the tenders issued till 31.12.2021. In view of the above we, request you to amend the clause accordingly.	Tender Condition Prevails
7	I	25. Bid Evaluation Criteria 25.1 Technical	4 of 124	1. The bidder should be an Original Equipment Manufacturer (OEM) or Packager of CNG Booster Compressor and shall have valid PESO license for the CNG Booster Compressor model considered for supply under this tender. 2. The bidder should have manufacturing/ fabrication/ packaging/ servicing facilities with adequate testing/ quality assurance facilities for CNG Compressors. 3. Bidder should have designed, engineered, tested, supplied, installed and commissioned minimum Two (02) numbers of 250 SCMH or Higher Motor Driven Booster Compressor for CNG application in a Single Order/ Contract during last Seven (07) years reckoned from bid due date and the same should have completed continuous trouble-free satisfactory operations for a minimum period of 8000 hrs. as on bid due date.	We are authorized packager of compressor block OEM. We are duly recognized by MSME and DIPP department of GoI. •We have Technology Transfer towards Design, engineering, and packaging support for Motor Driven and Gas Engine Driven Compressor packages from Compressor block OEM. •We meet the commercial criteria of the bid on our own. We have setup a state of the art fully integrated packaging and test facility to undertake testing of packages on Natural Gas. We are currently packaging, testing and supplying CNG compressor packages to City Gas Distribution companies. We understand that the packager can bid on basis of the technical BEC of the compressor block OEM. We request for kind approval confirmation towards the same.	Tender Condition Prevails



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8	I	25. Bid Evaluation Criteria 25.1 Technical	6 of 124	3. Bidder should have designed, engineered, tested, supplied, installed and commissioned minimum Two (02) numbers of 250 SCM/H or Higher Motor Driven Booster Compressor for CNG application in a Single Order/ Contract during last Seven (07) years reckoned from bid due date and the same should have completed continuous trouble-free satisfactory operations for a minimum period of 8000 hrs. as on bid due date.	We request you to kindly modify clause as " Bidder should have designed, engineered, tested, supplied, installed and commissioned minimum Two (02) numbers of 250 SCM/H or Higher Motor Driven Booster Compressor for CNG application in a Single Order/ Contract during last Seven (07) years reckoned from bid due date and the same should have completed continuous trouble-free satisfactory operations for a minimum period of 8000 hrs. as on bid due date OR should be under operation for the period of one year.	Tender Condition Prevails
9	I	25. Bid Evaluation Criteria 25.1 Technical	6 of 124	3. Bidder should have designed, engineered, tested, supplied, installed and commissioned minimum Two (02) numbers of 250 SCM/H or Higher Motor Driven Booster Compressor for CNG application in a Single Order/ Contract during last Seven (07) years reckoned from bid due date and the same should have completed continuous trouble-free satisfactory operations for a minimum period of 8000 hrs. as on bid due date.	Kindly allow Indian Packagers to use BEC technical documents of their OEM or block supplier. This is being allowed by many companies like HPCL in their recent tenders, such as tender no. 20000146-HD-10157 for hydraulic boosters of 450 SCM/H. We participated in this tender, got qualified & received contract for a part of total qty. as well Thus, it is requested that an additional clause for allowing Indian Packagers to use BEC technical documents of their OEM/block supplier is allowed. This will help us to qualify and ensuring VGL of price competitiveness and compliance of all statutory regulations	Tender Condition Prevails
10	I	25. Bid Evaluation Criteria 25.1 Technical (25.1.2)	6 of 124	"Manufacturing/ Fabrication/ Packaging/ Servicing facility Copy of certificate from a reputed inspection agency such as CEIL/ Lloyds/ BV/ DNV/ TUV/ ABS/ Moody/ SGS/ GLI/ Velosi/ FCRI/ DVGW or equivalent stating that the proposed workshop facility has the capability for fabrication, assembly, & testing of the Quoted natural gas compressors complying the specifications. The said certificate shall be valid as on the bid due date."	Our packages are inspected by third party and after release of inspection release note packages are dispatched to client. Currently we have supplied 5 number of packages to VGL on wet lease basis against IRN. In view of same, we feel that certificate for complying the specifications from reputed inspection agency is not required. Kindly Confirm	Tender condition prevails
11	I	25. Bid Evaluation Criteria 25.2 Financial	6 of 124	Annual Turnover The contractor should have achieved a minimum turnover of Rs. 276.53 lakhs in any one of the preceding 3 (three) audited financial years (2017-18, 2018-19 and 2019-20). Net Worth Net worth of the bidder must be positive as per last audited financial statement (2019-20). Working Capital The contractor should have a minimum working capital of Rs. 55.30 Lakhs as per latest audited balance sheet.	Bidder requests to revise the BEC as follows: Annual Turnover The contractor should have achieved a minimum turnover of Rs. 276.53 lakhs in any one of the preceding 3 (three) audited financial years (2017-18, 2018-19 and 2019-20). However, those companies registered under MSME / Start-up companies do not meet the turnover criteria should have minimum net worth of 50 lacs at the time of bidding and the same should be certified by the statutory auditor . Working Capital The contractor should have a minimum working capital of Rs. 55.30 Lakhs as per latest audited balance sheet or the bidder to provide the bank's sanction letter confirming availability of working capital prior to bid submission. Moreover, we wish to confirm that KAL Energy India Pvt Ltd is a start-up company founded under GOI directive of Aatmanirbhar Bharat. In view of the same, we request you to approve KAL Energy as a Vendor for the current tender and upcoming requirements as well.	Tender condition prevails and for working capital please refer to clause 25.2 Financial Criteria under Documents Required where bank sanction letter clause is mentioned
12	III	29.1 Force Majeure	54 of 124	Shall mean and be limited to the following: a) War/ hostilities b) Riot or Civil commotion c) Earthquake, flood, tempest, lightning or other natural physical disaster. d) Restrictions imposed by the Government or other Statutory bodies which prevents or delays the execution of the Contract by the Seller.	We request you to also include Pandemic as a part of Force Majeure. Kindly accord your acceptance.	Accepted. The specified period shall be defined by VGL, which shall be binding on bidder



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13	IV	15.0 Price Reduction Schedule	63 of 124	15.1 In supply contract, the portion of supply completed in all respects which can be used for commercial operation shall not be considered for applying PRS, if delivered within contractual delivery period. The remaining supplies which are completed beyond the contractual delivery shall attract the price reduction schedule @0.5% per week or part thereof of the delayed delivery value maximum up to 5% of Contract Price (Excluding Taxes and Duties). The total value of DO considered for applying PRS shall be excluding of all Taxes and Duties	Request you to consider PRS on supply value of individual delayed package only.	Bidder understanding is correct, subject to Package being complete in all respect and should be commissionable at the time of supply.
14	III	12. Performance Bank Guarantee	42,65 of 124	Performance Guarantee / Contract Performance Bank Guarantee for an amount equivalent to 10% of the total value of the CONTRACT	As per para 3 & 4 of Office Memorandum No. F.9/4/2020-PPD dt.12th November, 2020 (copy attached) issued by Govt. of India, Ministry of Finance, Department of Expenditure Procurement Policy Division, it is decided to reduce Performance Security from existing 5-10% to 3% of the value of the contract for all existing contracts. Further, all tenders/ contracts issued/ concluded till 31.12.2021 should also have the provision of reduced Performance Security We request you to amend the clause accordingly.	Tender Condition Prevails
15	IV	22.0 Contract Performance Bank Guarantee	64 of 124	Within 15 days after the Bidder's receipt of notification of award of the CONTRACT, the Bidder shall furnish Security Deposit in the form of Bank Guarantee to the PURCHASER, for an amount equivalent to 10% of the total Purchase Order value (Excluding taxes & duties). Performance Bank guarantee shall be valid for a period of 3 months beyond the expiry of Defect Liability Period/ Warranty-Guarantee Period (which shall also include the delivery period & contract period).	we would like to mention that Ministry of Finance has issued office memorandum regarding reduction in Percentage of performance security for all the existing as well as all tenders/contracts issued/concluded. In lieu of the same, we request you to kindly reduce the percentage of performance bank guarantee against this contract from 10% to 3%.	Tender Condition Prevails
16	IV	SCC –24.0 Terms of Payment Supply Portion	65, 66 of 124	24.1: - 90% (GST Compliant Invoice value with taxes and duties) of the total supply order price (per Motor Driven CNG Compressor (250 SCM/H) package) will be paid against receipt of ordered item(s) by owner at site within 30 days of receipt and acceptance of bills at site against relevant documents 24.2: - 10% of the total supply order price (per Motor Driven CNG Compressor (250 SCM/H) package) will be paid within 30 days of successful completion of erection, testing, commissioning and field performance test and acceptance thereof by owner and submission of final document, as built drawings and completion in all respects. In case erection and commissioning is delayed beyond 90 days from receipt of package at site, this 10% payment towards supply will be released to the vendor within 30 days against submission of an undertaking for the above on non-judicial stamp paper of appropriate value.	In line with Purchase Guidelines of Ministry of Finance (copy attached) we request purchaser to allow payment to domestic bidders through Inland Letter of Credit. Alternately the payment may be released against documents through bank In view of above it is requested to release the payment terms as below: 1) 90% payment against despatch documents through Inland Letter of Credit / documents through Bank. 2) Balance 10% within 30 days after receipt of material at site /store. The above is allowed by Oil & Gas PSUs such as ONGC and all progressive City Gas Companies in India as it reduces the burden of 12% Bank interest on MSME's	Tender Condition Prevails



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17	IV	SCC –24.0 Terms of Payment Supply Portion	65,66 of 124	24.2 10% of the total supply order price (per Motor Driven CNG Compressor (250 SCM/H) package) will be paid within 30 days of successful completion of erection, testing, commissioning and field performance test and acceptance thereof by owner and submission of final document, as built drawings and completion in all respects. In case erection and commissioning is delayed beyond 90 days from receipt of package at site, this 10% payment towards supply will be released to the vendor within 30 days against submission of an undertaking for the above on non-judicial stamp paper of appropriate value.	Request you to modify clause as "In case erection and commissioning is delayed beyond 60 days from receipt of package at site, this 10% payment towards supply will be released to the vendor immediately against submission of an undertaking for the above on non-judicial stamp paper of appropriate value.	Tender condition prevails
Technical Queries						
1	V	1.6 Scope of Supply of Each Compressor Package	73 of 124	Cl. 1.6 (i)/Lubricated or non-lubricated two throw balanced opposed reciprocating compressor or hydraulic booster with lube oil system and cooling system as required	This tender is for hydraulic booster. This clause is not applicable for hydraulic booster, kindly remove	Tender condition prevails
2	V	1.6 Scope of Supply of Each Compressor Package	73 of 124	CL. 1.6 (ix)/Inter Stage and Discharge Gas, air cooled heat exchangers	Hydraulic boosters follows manufacturer standard design. We use common air cooled heat exchanger to cool gas as well as oil. Kindly confirm acceptance on same	Accepted
3	V	1.6 Scope of Supply of Each Compressor Package	73 of 124	Cl. 1.6 (i)/Lubricated or non-lubricated two throw balanced opposed reciprocating compressor or hydraulic booster with lube oil system and cooling system as required	We request approval of Burkhardt Compression make Trunk Piston Design which is field proven with CGD companies i.e. IGL, AGL, Gujrat Gas, TNGCL etc. Burekhardt Trunk Piston Design compressors have clocked over 3 million cumulative operating hours for CNG application in India. Kindly approve Trunk Piston design compressor block.	Machines with Trunk piston design should have completed continuous trouble-free satisfactory operations for a minimum period of 8000 operating hrs.
4	V	1.6 Scope of Supply of Each Compressor Package	73 of 124	vi) Mass Flow Meter at the inlet & outlet of Compressor package.	Essentially Mass Flow Meter is required by all CGDs only at discharge line. Therefore we feel that additional flow meter at suction line is not required. It will just add a considerable cost of compressor package. Kindly confirm.	Tender Condition prevails
5	V	1.6 Scope of Supply of Each Compressor Package	74 of 124	xviii) Inlet and outlet manual isolating valves.	Manual isolation valves are not required, actuated ball valves will be provided	Tender condition prevails
6	V	1.6 Scope of Supply of Each Compressor Package	74 of 124	CL. 1.6 (Xiv)/Y- type strainers, valves, sight flow indicators, check valves, manual drain/ traps etc. as required for various auxiliary systems i.e., lubrication system, cooling water systems etc	This is not applicable to hydraulic booster design. Kindly remove this from scope of supply	Tender condition prevails
7	V	1.6 Scope of Supply of Each Compressor Package	74 of 124	Cl. 1.6/Piping from air compressor and CO2 cylinders up to enclosure.	Kindly clarify the inter distance max. value to be considered	10m to 12m
8	V	Exclusions	74 of 124	iii. Main incoming cable from owner PDB to main control panel of the compressor through Conduit/trenches. Cable from owner's electronic earth pit (EE) for electronic circuit in control Panel, cables from owners main earthing ring to control panel body earth and all interconnecting Cables including complete erection accessories like double compression cable, FLP gland, cable tags, Lugs etc. as required.	We will supply main incoming cable of 50 mtrs. only. Requirement of additional cable and laying the same through GI conduit/trenches shall be in the scope of M/s. VGL. Please confirm.	The referred clause is under in purchaser scope ("Exclusion" from bidder scope)



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9	V	1.7 Safety	74 of 124	1.7.6 Package enclosures shall have two IR type L.E.L detectors and two Ultra Violet (UV)/IR fire detectors in each enclosure to cover the enclosures effectively.	Considering the size of the canopy, one no. LEL detector and one no. fire detectors is enough, Supplies to many CGD given with the same arrangement.	Accepted
10	V	1.7 Safety	75 of 124	1.7.8 The Compressor Package shall trip if any of the enclosure is opened while the machine is running.	For maintenance activites some time required to operate with doors open, hence door interlock is not recommended	Tender condition prevails. By-pass switch may be provided for such activities
11	V	1.7 Safety	75 of 124	1.7.9 Relief Valves shall be provided at suction/ BDV and discharge/ priority panel and in between inter stages of compressor with setting as per cl. 7.20.3 of API – 11P with R.V. venting as per cl. 7.20.4 of API-11P. All vented lines to be connected to common relief valve header.	There is no requirement of relief valve at suction, as suction pressure always drops from 200 bar to 30 bar, this clause is applicable for online reciprocating compressors, relief valve will be provided at final stage discharge.	Accepted
12	V	1.7 Safety	76 of 124	1.7.11.12 The complete package shall be warranted for minimum 1 year from the date of successful commissioning of package. The warranty shall be provided directly by the supplier.	We request you to amend the warranty clause as, "Warranty period will be 18 months from date of supply or 12 months from date of commissioning whichever is earlier." Kindly confirm	Tender condition prevails
13	V	2.0 Utilities	76 of 124	CL. 2.1.1/Air compressor with discharge pressure of 7 kg/cm ² (g) suitable electric motor rating with dryer and oil filter shall be supplied by the Supplier. Air receiver of min. 100 litre water capacity shall be provided. Air dryer suitable for automatic operation may be integrated with air compressor or may be supplied separately. Air compressor, drier and air receiver for instrument air, shall be kept off the package in safe area or client building. Piping, electrical & instrumentation cabling shall be in Suppliers scope. Necessary FR unit shall be provided as per requirement. Manual drains and automatic moisture traps shall be provided in the system. Air receiver shall be provided with SRV, pressure switch, pressure gauge and drains. Pressure switch and pressure gauge shall have isolation valve	Kindly confirm the max. distance to be considered from Air Compressor to our compressor package. We assume that connection to dispenser is not in our scope. Kindly clarify	10m to 12m
14	V	3.3 Design Criteria	77 of 124	Offered package shall be complete with compressor, electric motor, hydraulic pump and piping, cooling system, suction and discharge filters, instrument air dryer, oil filter, control panel, safety and control devices and other accessories required for automatic and safe operation the system. The supply shall include all interconnecting piping/tubing/cables. Cooling system shall be of closed-circuit type/ air cooled.	Proprietary design of Burkhardt Compression does not require Hydraulic Pump. Please accord acceptance	Accepted
15	V	3.0 Design Criteria- 3.10 Enclosure of CNG Compressor Package	78 of 124	3.10.7 For handling of all heavy parts for maintenance purpose lifting arrangement i.e. beam fitted with chain hoist shall be provided in enclosure.	Chain hoist not being anti sparking equipment, it is not advisable to be keep it durig normal operation, however same will be provided with maintenance team	Tender condition prevails



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16	V	3.9.2 Inter/ After Gas Cooler	78 of 124	Water or Air-cooled inter-stage and final stage discharge coolers shall be provided which shall limit the gas temperature after the after cooler to 50-degree C. Cooler design shall be based on 20% extra load corresponding to max severe operating conditions based on the thermal duty. Gas coolers shall be designed as per API-661 requirements.	Purchaser may deploy procured CNG Compressors to locations where maximum temperature within the enclosure during summer goes upto Ambient + 10 Degree C. Therefore, we request to allow gas temperature after the after cooler as Ambient+10 Deg C.	Accepted
17	V	3.10.1 Enclosure of CNG Compressor Package	78 of 124	The maximum allowed temperature within the enclosure shall be 5°C above ambient temperature	The temperature differential between ambient and inside the canopy is always more than 10DegC It is not possible to offer 5 DegC differential in Indian ambient. Please confirm your acceptance of 10 DegC temperature differential between ambient and inside enclosure.	Accepted
18	V	3.0 Design Criteria- 3.11 Piping	79 of 124	3.11.8 The ingress of oil into CNG adversely affects vehicle emission and storage system. Hence in case of lubricated cylinders vendor shall supply a proven, maintenance free oil removal system with automatic and manual drain after after-cooler to remove oil from compressed gas. The offered oil mist removal system shall restrict the oil less than 1 PPM in discharge of compressor	CNG intensifier is of non lubricating type, hence gas does not comes in contact of oil, oil mist remover not required	Tender condition prevails
19	V	Sec-V Technical 4.0 Design Data for Reference	80 of 124	4.0.2 Supplier provides one set of licensed software (window XP/2000 based) both configured to access PLC through.	PLC Software is a proprietary item hence TGT Will not provide Licensed software for PLC.	Accepted
20	V	4.2.3 Preferred makes 1.	82 of 124	FLP Motors	requestig you to include LHP in approved makes, we have supplied many sets with LHP motor installed	All materials to be provided must be as per the approved make as specified in the bid document. However, if any make is not specified in the same shall be considered during detail engineering provided the same being approved by PESO and has satisfactory credentials subject to prior approval from VGL.
21	V	4.2.3 Preferred makes	82 of 124	FLP Motors ABB/Compton/Siemens/ Bharat Bijlee	Currently, there is scarcity of suppliers of FLP Electric Motors required for high demand of Hydraulic Booster Compressors. In view of the same, Bidder requests to include Hindustan Motors and Laxmi Hydraulics in approved makes so as to meet delivery requirements. Moreover these OEMs have PESO approvals (Copy enclosed) and they are already approved in most of CGD companies and Oil/Gas industry.	
22	V	4.2.3 Preferred makes shall be as follows:-	82 of 124	FLP Motors :- ABB/Compton/Siemens/ Bharat Bijlee	Please add OME s.r.l Italy Motor as M/s Crompton Greaves has shut down the manufacturing and there is delivery and quality issue with M/s Bharat Bijlee. We have started using OME s.r.l. Motors. OME s.r.l. Motor has been approved by SGL, MNGL, IndianOil-Adani Gas and Green Gas. These motors have been approved by PESO.	
23	V	4.2.3 Preferred makes 2.	82 of 124	FLP Switchgear	requestig you to include Shyam switchgear in approved makes, we have supplied many sets with the same	
24	V	4.2.3 Preferred makes shall be as follows:-	82 of 124	FLP Switch Gears : Flexpro/FPE/FCG/Baliga/ Sudhir	Please add Shyaam and Kaysons Make FLP Switchgear as demand of DBC is very high. The same has also been approved by IndianOil-Adani, MNGL, SGL and Green Gas. These Switchgear have been approved by PESO.	
25	V	4.2.3 Preferred makes	82of 124	FLP Switchgear Flexpro/FPE/FCG/Baliga/ Sudhir	Bidder requests to include Shree Electricals in approved makes. Currently, there is scarcity of suppliers of Hydraulic Booster Compressors against high demand and this will help for early delivery. Moreover this vendor is having PESO approvals (Copy Enclosed) and already approved in most of CGD companies and Oil/Gas industry.	
26	V	4.2.3 Preferred makes 13.	82 of 124	PSV	requestig you to include Fainger Leser in approved makes,	
27	V	4.2.3 Preferred makes 15.	82 of 124	SS Fittings	requestig you to include DK LOK in approved makes,	
28	V	4.2.3 Preferred makes 18.	82 of 124	On off ball/needle valve	requestig you to include DK LOK in approved makes,	



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29	V	4.2.3 Preferred makes shall be as follows:-	82 of 124	IR Gas Detectors : General Monitors / Crowcon / Honeywell / Sieger / Detronics/ Khrome Schroder/ Net safety.	Please add ESP Safety & Draeger Make gas detectors. The same has already been approved by M/s. GAIL/MECON, Green Gas, BGL, Torrent Gas, MNGL, HNGPL etc.	
30	V	4.2.3 Preferred makes shall be as follows:-	82 of 124	UV Flame Detectors : General Monitors / Crowcon / Honeywell / Sieger /Detronics/ Khrome Schroder/ Net safety.	Please add ESP Safety & Draeger Make Flame detectors. The same has already been approved by M/s. GAIL/MECON, Green Gas, BGL, Torrent Gas, MNGL, HNGPL etc.	
31	V	4.2.3 Preferred makes shall be as follows:-	82 of 124	Pressure/Temperature Gauges:-	Please add Baumer Make Pressure and Temperature gauge in Recommended Make list. Baumer is already approved in other CGD companies.	
32	V	4.2.3 Preferred makes shall be as follows:-	82 of 124	List of Bought out Items :- Pressure transmitter	Bidder will provide Pressure transmitter -Setra	
33	V	4.2.3 Preferred makes shall be as follows:-	82 of 124	List of Bought out Items :- Temperature transmitter	Bidder will provide Temperature transmitter- Exotherm	
34	V	4.2.3 Preferred makes shall be as follows:-	82 of 124	List of Bought out Items :- Pressure Gauge	Bidder will provide Pressure Gauge- GIC	
35	V	4.2.3 Preferred makes shall be as follows:-	82 of 124	List of Bought out Items :- Cable glands	Bidder will provide Cable glands- Sudhir	
36	V	4.2.3 Preferred makes 20.	83 of 124	Barrier/Isolators/Surge protector	requestig you to include OSNA make barrier in approved makes,	
37	V	5.0 Instrumentation & Controls	83 of 124	5.0.7 i) Temp indicator 1st, 2nd stage discharge and after- after cooler	As per the design of the compressor, double acting two stage compressor, final stage temperature will be indicated in HMI	Tender condition prevails
38	V	5.0 Instrumentation & Controls	83 of 124	5.0.7 ii) Pr indication 1st, 2nd stage discharge, high & med bank. Pr switch, 2nd stage discharge, high & med bank	As per the design of the compressor, double acting two stage compressor, pressure indicators will be provided in suction and discharge, pressure switch at final discharge	Tender condition prevails
39	V	5.1 Priority Fill System	83 of 124	Vendor shall supply a suitable priority fill system with compressor top-up facility inclusive of regulating valves, by pass valve & liquid filled pressure gauges all mounted in a stainless steel structural. The priority fill system shall be installed to ensure that vehicle filling takes precedence over cascade filling. Full bore ball valves shall be provided so that compressor can take suction either from LCV cascade or stationary cascade.	Bidder wish to inform that, 3 bank priority fill will be provided. VGL to confirm the same.	Tender condition prevails
40	V	7.2 Mechanical Running Test (MRT)	85 of 124	The MRT for each compressor shall be carried out in presence of Purchaser/consultant or their representatives (or a third party as arranged by Purchaser) with job or shop driver including complete job driving system for 4 hours continuously at shop of compressor manufacturer. The compressor need not be pressure loaded for MRT test.	Bidder wish to inform that, MRT is generally carried for 1 Hour to verify mechanical integrity of the package. However, at actual site condition suction pressure is variable. ISO 13631 standards (Copy enclosed) specify that, All compressors, drivers and gear units shall be shop-tested in accordance with the vendor's specification. VGL to confirm the same and requested to provide stipulated MRT Procedure.	Tender condition prevails
41	V	8.0 Painting & Protection	86 of 124	8.2 Painting (Primer & Finish Coat)	The canopy surface will be powder coated, which is supirior to painting	Accepted



**REPLY TO PRE-BID QUERIES RAISED DURING PRE-BID MEETING
OPEN E-TENDER FOR
PROCUREMENT OF MOTOR DRIVEN CNG COMPRESSOR (250 SCM/H)**



Tender Doc No. REPL/VGL/NGBC/011/20
Tender Type- Open

Date / Time of Pre- Bid :
08/02/2021 / 11:00:00

Sr. No.	Section	Tender Clause No. / Annexures	Page No.	Tender Clause	Bidder Clarifications/ Query	REPL/VGL Recommendations
42	V	10.0 Package Performance Test at Site	86 of 124	Supplier shall assemble the complete package including auxiliary systems, instrumentation, safety devices within the enclosure at his shop/site and dispatch. The machine shall be accepted after the performance test at site.	<p>All Progressive City Gas Companies are allowing PAT at packager's plant.</p> <p>It is submitted that at site, intermittent loads, fluctuations in suction pressure and other input conditions and frequent auto shutoff cause variations in performance parameters and do not truly represent the actual performance capability of machine</p> <p>Therefore, it is requested to allow option to conduct Performance Acceptance Test in Packagers Plant itself as:</p> <ol style="list-style-type: none"> PAT at plant is conducted using Natural Gas supplied by M/s GAIL (Network Carrier). PAT is conducted at Indian ambient conditions as specified in the tender. PAT at plant permits testing on 100 percent load without interruptions for 4 Hour continuously (which is not possible at Site). All performance parameters can be monitored and recorded in presence of Customer / TPIA. Helps eliminate all short coming observed in the packages at factory level itself. Package leaves the plant in Plug and Play mode, vastly free from shortcomings <p>We shall bear the cost of gas / energy utilized during the testing.</p> <p>Please accord acceptance.</p>	Tender condition prevails
43	V	Sec-V Technical Specification Clause 16.0	89 of 124	12. Supply of Emerson make Gas Mass Flow meter with integral display for PG test purpose at inlet & outlet	Kindly confirm the Quantity of Mass Flow Meters for Supply	2 Nos (Suction and Discharge)
44	V	17.0 Price Loading, Compensation, Erection, Testing and PG Test	91 of 124		Since this Booster compressor is used for minimum 10 years duration, we request you to consider power cost for evaluation of bids, considering total cost of ownership which includes CAPEX + OPEX Cost. Specific power consumption in KWH/KG over average flow is considered for calculating total power cost of the machine. This is the standard practice followed by CGD companies while deciding the lowest (L1) bid value.	Kindly refer clause 17.2 of c Sec-V-Technical Specification (page no-91)
45	V	17.0 Price Loading, Compensation, Erection, Testing and PG Test	91 of 124	Necessary calculations correction curves shall have to be furnished by Supplier along with bid, which shall be final & no deviation shall be permitted afterwards.	<p>We understand that penalty shall be imposed after rationalisation / correction of the quoted parameters on the basis of the performance curves submitted by bidder and the pressure, temperature and the density and calorific value of gas available at stations.</p> <p>Please confirm if our understanding is correct</p>	Bidder understanding is correct