Vadodara Gas Limited
Replies to Bidder's Queries

SUBJECT: Purchase of 02 Nos. Variable Inlet Pressure (VIP) 600 SCMH Motor Driven Compressor Package with 05 Years AMC on ARC Basis**.**

TENDER NO.: VGL/CO/C&P-CNG/BD202608P368 Dated 13/10/2026 & **TENDER ID:** 355091.

Sl. No.	Subject	Bidder's Query	VGL's Reply
1.	26.1.1 Deductions shall apply as per following formula: In case of delay in delivery of equipment/materials or delay in completion, total contract price shall be reduced by ½ % (half percent) of the total contract price per complete week of delay or part thereof subject to a maximum of 5% (five percent) of the total contract price.	We request the Purchaser to kindly consider revising the Price Reduction Schedule (PRS) to 0.5% of the value of the undelivered Compressor Packages per week of delay or part thereof, subject to a maximum of 5% of the value of the undelivered Compressor Packages.	Ok Noted
2.	3. Those bidders who have already supplied CNG Booster Compressor Packager to VGL in the past and their compressors are in successful operation & providing technical support for spares & services, their credentials can be considered beyond seven (7) years also for above mentioned criteria	We understand that the bidders who have already supplied Online CNG reciprocating Electric Motor Driven compressor of 600 SCMH or higher with 90 KW motor to VGL in the past and their compressors are in successful operation & providing technical support for spares & services, their credentials can be considered beyond seven (7) years also for above mentioned criteria.	Ok Noted
3.	**2.0 Delivery Schedule:** 06 Weeks From the date of approved drawing by EIC.	We request purchaser to kindly consider revising the delivery period for 08 weeks from the date of approved drawing by EIC.	TENDER CONDITION SHALL PREVAILS
4.	**16.0 PERIOD OF CONTRACT (For Operation and Maintenance):** The period of the contract shall be valid for 60 (Sixty) Month reckoned from the commissioning of 600 SCMH (VIP) Booster Compressor package.	We understand that Operation and Maintenance contract period shall be valid for 60 months from the date of Commissioning of 600 SCMH (VIP) EMD Compressor package or 72 months from the date of Supply of 600 SCMH (VIP) EMD Compressor Packages whichever is earlier. 1st year Operation and Maintenance charges shall be valid upto the 12 months from the date of commissioning or warranty period (24 months) from the date of supply of individual Compressor Packages, whichever is earlier. Subsequently, for 2nd/3rd/4th / 5th Year Operation and Maintenance rate shall be applicable.	OK NOTED
5.	**16.0 PERIOD OF CONTRACT (For Operation and Maintenance):** However, the period may be extended for another term of one year under the same terms and conditions with mutual consent subject to satisfactory performance and at sole discretion of VGL.	We respectfully request the Purchaser to kindly consider mutually agreed for further extension of additional one year Operation and Maintenance contract rate taking into account the anticipated escalation in costs due to future increases in the prices of raw materials, oil, copper and other major components. Furthermore, fluctuations in the USD-INR, CHF-INR exchange rate may significantly impact the overall cost of providing O&M services during the extended period.	TENDER CONDITION SHALL PREVAILS
6.	**16.0 PERIOD OF CONTRACT (For Operation and Maintenance):** The period of the contract shall be valid for 60 (Sixty) Month reckoned from the commissioning of 600 SCMH (VIP) Booster Compressor package.	We understand that Operation and Maintenance contract period shall be valid for 60 months from the date of Commissioning of 600 SCMH (VIP) EMD Compressor package or 72 months from the date of Supply of 600 SCMH (VIP) EMD Compressor Packages whichever is earlier.	OK NOTED

		1st year Operation and Maintenance charges shall be valid upto the 12 months from the date of commissioning or warranty period (24 months) from the date of supply of individual Compressor Packages, whichever is earlier. Subsequently, for 2nd/3rd/4th / 5th Year Operation and Maintenance rate shall be applicable.	
7	**7.0 TERMS OF PAYMENT.** 7.1 The payment shall be released by the owner against submission of monthly bills. The payment will become due and payable By VGL within 45 working days from the date of receipt of Contractor's bill/ invoice by VGL.	We request the purchaser to revise the Operation and Maintenance payment terms within 30 days against submission of monthly bills.	TENDER CONDITION SHALL PREVAILS
8	**25.0 CONTRACT CUM PERFORMANCE BANK GUARANTEE:** After finalization of the Contract, whenever work order is issued by the Owner, CONTRACTOR shall furnish to the Owner within 30 (Thirty) days from the date of issue of work order, an unconditional Contract Performance Bank Guarantee from a nationalized/ scheduled bank of India or any international bank of repute having a branch in India for due Performance of the Contract for a sum equivalent to 03 % of Supply & 03 % of Service Contract Value. This Contract-cum-Performance Bank Guarantee shall be drawn in favour of the Owner and shall be initially valid for a period adequate to cover up to 90 days after end of defect liability period.	We request purchaser to accept Contract Performance Bank Guarantee @ 3 % of annualized O&M value excluding GST in the form of Bank Guarantee / Insurance Surety Bond in favour of Vadodara Gas Limited. Please accord acceptance.	3 % Supply 3 % Service TENDER CONDITION SHALL PREVAILS
9	**C.2. UNDER WARRANTEE AND AFTER WARRANTEE OPERATION & MAINTENANCE** d. The maintenance team will assist any unplanned/emergency maintenance of equipment installed at CNG Station.	We understand that the maintenance team will assist any unplanned/ emergency maintenance of CNG Compressor package installed at CNG Station.	Ok noted
10	**3.8 Cooling System:** 3.8.2 Inter / After Gas Coolers 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 degrees	We request the purchaser to allow air-cooled Inter-stage and Final stage discharge coolers shall be provided which shall limit the gas temperature after the after cooler to maximum 10^0 C above the ambient temperature.	TENDER CONDITION SHALL PREVAILS
11	Design, Engineering, Manufacturing, Supply including packaging and forwarding, insurance, custom clearance, handling, loading and unloading at site, delivery & unloading at Client's store /site of Skid mounted motor driven **600 SCMH Variable Inlet pressure (VIP) CNG Compressor Package** with explosion proof electric & control panel having suction pressure varying from **250 to 14 kg/cm2(g) on continuous basis with discharge pressure 255 kg/cm2(g)** with Priority panel.	We understand that the Bidder has to provide skid-mounted **Electric Motor Driven 600 SCMH CNG Compressor Package** with an explosion-proof electrical and control panel, designed for suction pressure Online mode **-16 kg/cm²(g) &** suction pressure varying continuously from **250 to 14 kg/cm²(g)** – VIP Mode and discharge pressure of **250 kg/cm²(g)** along with **7 bank priority panel**. We request the purchaser to confirm if our understanding is correct.	Ok Noted.
12	1.0.1 This specification along with applicable codes as referred, describe the minimum requirements for design, engineering, manufacturing, assembly, string testing, packaging, supply including		

	forwarding, insurance, custom clearance, handling and unloading at port and delivery & unloading at VGL store /site, re-transportation of the package from the store to the actual site/ station in Bengaluru as applicable to the foreign and Indian bidders as per price schedule and special conditions of contract, , erection, testing, commissioning, Field performance test of Compressor Package including air compressor and auxiliaries at site, three years O&M service (one year during warrantee period & two years post warranty period) of the **600 SCMH capacity at suction pressure 16 Kg/cm2(g) "ELECTRIC MOTOR DRIVEN VARIABLE SUCTION CNG RECIPROCATING GAS COMPRESSOR PACKAGES AS INDICATED IN THE MR. TABLE** " for inlet line pressure range of 14 kg/cm2(g) to 250 kg/cm2(g) (performance range 16 to 19 kg/cm2 (g)) with discharge pr. 250 kg/cm2 (g)" as required for dispensing CNG to vehicles at various locations in Bengaluru Geographical Area. Various parts of this specification shall be read in conjunction with each other and in case where the different parts of this specification differs, the more stringent requirement shall govern. Any additional work/equipment or technical requirement not mentioned in the specification but required to make the offered system complete in accordance with the specification and for safe and proper operation, shall be deemed to be included in the scope of work by the Bidder		
13	**SCOPE OF WORK (SOW)** The scope of work indicates minimum requirement for each 600 SCMH Booster Compressor package at Vadodara having at least following CNG equipment's and associated accessories. a). 600 SCMH Booster Compressor. b). Instrument Air Compressor/ Dryer etc. c). PLC, Alarms etc. d). Inlet PRV, Valve, Tubing's, other accessories etc. e). Electrical Panel & its accessories etc. The configurations of CNG station are under 600 SCMH Booster Compressor. The bidder may be required to carry out all related activities that may be required for successful completion of the work at each CNG Station having 600 SCMH Booster Compressor package, as per directions of the Engineer in Charge (EIC).	We understand that the Bidder has to provide skid-mounted **Electric Motor Driven 600 SCMH CNG Compressor Package** with an explosion-proof electrical and control panel, designed for suction pressure Online mode -**16 kg/cm²(g) &** suction pressure varying continuously from **250 to 14 kg/cm²(g)** – VIP Mode and discharge pressure of **250 kg/cm²(g)** along with **7 bank priority panel**. We request the purchaser to confirm if our understanding is correct.	Ok Noted.
14	**18.1 Compressor Capacity.** Supplier shall guarantee average capacity of 600 SCMH from suction pressure 30 to 200 kg/ cm2 (g) at suction temperature of 30° C, discharge pressure of 255 kg/ cm2 (g) with the no negative tolerance for errors in instruments and measurements.		
15	Technical Specification sheet	Technical Data Sheets with the requirement of technical parameters of Motors, MFM, Inter Cooler/After Cooler,	Ok noted, Revised Technical Specification Attached in Annexure-I.

		Glycerine Filled Pressure Gauge, Safety Relieve Valve, Flame Detector, Gas Detector, KWH Meter, Discharge Filter, Guaranteed Parameters**,** Low Voltage Squirrel Cage Induction Motor, Power Cable Size 415V Motor, Flame Arrester, Air Compressor, Temperature Guage, Technical Specifications etc. required by the purchaser for **600 SCMH VIP EMD** are not enclosed along with the tender documents. We request the purchaser to provide the technical data sheets for suitably fill up the data and compliance thereof.	
16	**13.1 LOADING AGAINST ENERGY CONSUMPTION:** The compressor package shall be designed in such a way that Energy Consumption (KWH/Kg) should be minimum for production of CNG. Bidder shall indicate actual energy consumption for their compressor package. This quoted figure will be used for evaluation and total quoted price for all compressors towards supply, special tools & tackles, erection and commissioning will be loaded as per following formulas: **For 600 SCMH Compressor** F = (G-33) x H x I x N Where, F = Loading amount in Rs. G = Bidder's Energy consumption rate quoted in KWH for producing 600SCMH of CNG G- = Bidder's energy consumption rate over and above 33 KWH H = Cost of Energy INR 8/Kwh I = Factor towards lifecycle in hours @ 14600 hours N = Number of machines **Note: Bidder shall not be given any advantage/credit for quoting power consumption below 33 KWH for 600 SCMH.**	It is submitted that, in line with the existing tender terms followed by CGDs, the minimum energy consumption benchmark for a 600 SCMH CNG compressor is 72 kWh. Accordingly, we request the Purchaser to revise the existing benchmark value of 33 kWh to 72 kWh for the purpose of calculating price loading against energy consumption.	11.10.1 Price Loading Criteria of compressor on account of power demand: Bidder shall indicate power demand in. The guaranteed value of power demand including all losses such as mechanical, transmission, power absorbed by compressor driven auxiliaries like cooler fans, auxiliary lube oil pump etc. but excluding air compressor at guaranteed parameters with zero percent positive tolerance shall lie between 72 KW and 77 KW. Bidder shall not be given any credit/advantage for quoting power demand below the lower limit. But in case the power demand quoted by the bidder exceeds the upper limit the bid will be rejected. Therefore bidders are requested to indicate the power demand with due caution. Electric power demand of all the techno-commercially qualified Bidders shall be compared with respect to the lowest KW quoted by any Bidder. All other bidders shall be loaded as per following formula; Total cost of the package for evaluation purpose (A+B); Where: A= Price evolved based on the evaluation methodology B= Differential operating cost B (in Rs) = (Eb-E0) X Re X 25550 Where, Eb= Total power demand quoted by the Bidder to be loaded for compressor package in KW E0= Lowest total power demand quoted by any Bidder for compressor package in KW or 72 kW, whichever is higher. Re = Unit rate of electricity i.e. Rs 9.0 per KWH The financial loading on account of power demand shall not exceed 10 % of the evaluated price of the bidder. For estimate purpose power consumption as indicated in the original bid shall be taken. If any bidder fails to indicate the power consumption, highest power consumption figure from the techno-commercially successful bidders shall be considered for evaluation purpose and same shall be considered during PG test. Revised Technical Specification attached in Annexure-I
17	Bank Guarantee towards EMD & Contract Performance Security	We request purchaser to provide list of approved banks for issuance of Bank Guarantee towards EMD & Contract Performance Security.	Bidder has to provide EMD from a nationalized/ scheduled bank of India or any international bank of repute having a branch in India

18	The bidder shall have supplied to any CGD firm at least 1 no. of CNG Motor Driven VIP compressor package of 600 SCMH or higher capacity with 90 KW motor suitable for operation at suction pressure in the range of 16 - 19 bars, discharge pressure of 250 bars from the proposed facility of manufacturing/ packaging in a single order in the previous seven (07) years reckoned from the tender issue/publish date.	We understand that the date considered for the previous seven (07) years reckoned from the tender issue/publish date is from Commercial / Tax invoice, kindly confirm the same.	ok noted
19	2.0 Delivery Schedule: 06 Weeks From the date of approved drawing by EIC.	We understand that the delivery period is counted from the date of drawing approval by the EIC. However, this timeline is quite aggressive. We kindly request that the delivery period be revised from 4 weeks to 16 weeks.	Tender Condition Shall Prevail.
20	In the event of delay in mobilizing the services/ manpower for the particular CNG compressor package a penalty at the rate of 0.5 % of the contract value per week or part thereof shall be recovered from the contractor subject to a maximum of 5% of the contract value.	Please note, maximum of 5 % of Lot quantity / Delivery order. Not on the total contract value. Kindly confirm the same.	ok noted
21	**C.1. CNG COMPRESSOR OPERATION:** Observance of Safety Rules and Regulations prevalent in the Gas & Electrical based installations, specifically Compressed Natural Gas, Fire Drills, DCP operation, firefighting, and spreading awareness. Ensure Safety of Man and Machine at all the times.	Shall be done only for the Packages supplied by KPCL.	ok noted
22	The bidder shall carry out retesting of pressure vessels including blow down vessel periodically i.e. every year or earlier as per Gas Cylinder rules 2016 / Static & Mobile Pressure Vessels Rules.	The vessels are part of a process equipment and are to be designed as per ASME Sec VIII. The process vessels have not been covered under Gas Cylinder Rules 2016 / Static and Mobile Pressure Vessels Rules. Retesting is carried out for only storage vessels like cascades. Only a thickness check will be carried out every year. Please note, hydro testing will be in scope of the Client ,same is followed in all the CNG packages and with all the CGD companies.	ok noted
23	All inlet & Outlet ¾'' (0.095" min wall thick) SS Tubing (Approx. 200 Mtr for – Sandvik/Tubacex) of the compressors are supply by the contractor.	Tubing outside the package is in client scope, kindly accept.	Approx 200 Mtr Tubing shall be supplied by contractor.
24	Y- Type strainers, valves, sight flow indicators, check valves, auto & manual drain traps etc. as required for various auxiliary systems i.e. frame lube oil, cylinder lubrication system, cooling water systems etc.	Please note that as per Manufacturer's standard practice the lubricator will be divider block type. Y type strainers, Sight flow indicators, check valve etc are applicable for Single Plunger per point lubricator, thus not applicable.	ok noted
25	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.	Relief valve at first stage suction is not required in addition to one on a blowdown vessel as suction line and blow down vessel are connected to each other.	ok noted
26	Motor shall be TEFV squirrel cage type in standard frame size as per IS/IEC rated for continuous duty with high efficiency and designed for star/delta starting.	We unsterstand that star delta starting for prime mover, kindly confirm?	Motor shall IS/IEC rated for continuous duty with high efficiency and designed for star/delta starting.
27	Separate junction boxes shall be provided for each type of signal i.e. analog, digital, solenoids RTD, thermocouple, and intrinsic safe and for	Local control panel (With PLC) is mounted on the package itself hence junction boxes are not required. Instruments will be	ok noted

	power supply. No cable shall share power & signal.	directly wired to the Local control panel.	
28	The maximum allowed temperature within the enclosure shall be 5°C above ambient temperature. Adequate ventilation fans shall be provided to meet the above and also to account for heat dissipation of the cooler Interlock shall be provided to start the exhaust fan to vent out any entrapped gases in the enclosure before starting the main compressor. In case heat exchanger fan is compressor shaft driven, the same cannot be utilized as ventilation fan.	Air cooled heat exchanger fan is of forced draught type which throws air out of the enclosure. Hence a separate ventilation fan is not required. Please confirm your acceptance.	ok noted
29	**GUARANTEED PARAMETERS - BOOSTER COMPRESSOR**	Please change the GUARANTEED PARAMETERS to **ONLINECOMPRESSOR,** as booster compressor suction pressure varying range is high, requested to take the Guarantee on Online mode i.e. at 16 kg/cm2	Ok noted, for Online Compressor Guranted parameters on 16 bars and Compressor Designed to for 14 to 22 Kg/cm2
30	**13.1 LOADING AGAINST ENERGY CONSUMPTION:** F = (G-33) x H x I x N	Kindy add the minimum capping criteria as per Online mode	11.10.1 Price Loading Criteria of compressor on account of power demand: Bidder shall indicate power demand in. The guaranteed value of power demand including all losses such as mechanical, transmission, power absorbed by compressor driven auxiliaries like cooler fans, auxiliary lube oil pump etc. but excluding air compressor at guaranteed parameters with zero percent positive tolerance shall lie between 72 KW and 77 KW. Bidder shall not be given any credit/advantage for quoting power demand below the lower limit. But in case the power demand quoted by the bidder exceeds the upper limit the bid will be rejected. Therefore bidders are requested to indicate the power demand with due caution. Electric power demand of all the techno-commercially qualified Bidders shall be compared with respect to the lowest KW quoted by any Bidder. All other bidders shall be loaded as per following formula; Total cost of the package for evaluation purpose (A+B); Where: A= Price evolved based on the evaluation methodology B= Differential operating cost B (in Rs) = (Eb-E0) X Re X 25550 Where, Eb= Total power demand quoted by the Bidder to be loaded for compressor package in KW E0= Lowest total power demand quoted by any Bidder for compressor package in KW or 72 kW, whichever is higher. Re = Unit rate of electricity i.e. Rs 9.0 per KWH The financial loading on account of power demand shall not exceed 10 % of the evaluated price of the bidder. For estimate purpose power consumption as indicated in the original bid shall be taken. If any bidder fails to indicate the power consumption, highest power consumption figure from the techno-commercially successful bidders shall be considered for evaluation purpose and same shall be considered during PG test. Revised Technical Specification attached in Annexure-I
31		Please let us know the distances of respective piping / tubing. Air compressor & air piping for air	1. Air compressor to Compressor - Approx. 40 Mtr. 2. CO2 Flooding system to compressor package - Approx. 10 Mtr.

		Piping from CO2 cylinders up to the enclosure.	
32	For handling of all heavy parts for maintenance purpose suitable lifting arrangement shall be provided i.e. beam fitted with chain hoist arrangement. The chain hoist arrangement i.e. chain pulley block shall be removable type, which can be disassembled and shifted onto the other machines.	We will provide suitable arrangement such as plate for sliding the compressor motor out of the Canopy for maintenance purpose. No other equipment requires for lifting arragement considering their weight and therefore chain pulley arrangement is not required.	ok noted
33	Transportations	Please note, One time trasportation from factory to site or store will be considered. Our supply contract ends once the package is transporated either at store or site. Incase the package is supplied to Client's store , then excludes below scopes : 1. Loading onto the trailer from stores. 2.Transportaton i.e from stores to site. 3. Unloading on site or nearby due to non readiness of foundation. 4. In case of non readiness of compressor foundation re-loading package from nearby to foundation after readiness.	ok noted
34	Cable	Request you to please share the below distances in order to enable us to consider cable costs: 1. Compressor package to control/electrical room 2. UPS DB to package distance for UPS supply to PLC panel 3. ESD Locations and its distance from Package 4. Air compressor to electrical room 5. CO2 Flooding system to compressor package	1. Compressor package to control/electrical room - Approx. 75 Mtr. 2. UPS DB to package distance for UPS supply to PLC panel - Approx. 75 Mtr. 3. ESD Locations and its distance from Package - Approx. 55 Mtr. 4. Air compressor to electrical room - Approx. 50 Mtr. 5. CO2 Flooding system to compressor package - Approx. 20 Mtr Earthing 20 Mtr
35	Operation & Comprehensive Maintenance	For Operation & Comprehensive Maintenance, please limit minimum % of total supply price to avoid manipulation in values	TENDER CONDITION SHALL PREVAILS
36	Wages	Please confirm its state or central wages.	Central Wages
37	Air Compressor	Air compressor motor rating 1.5 kW motor & it is non-flameproof type	ok noted
	FLAME DETECTOR & GAS DETECTOR	Kindly accept Pollution Protection System & ESP Safety	Bidder may be requested to submit the PESO Approval at the time of Bidding.
	Main Motor	Kindly accept LHP	
	Supplier provides one set of licensed software (window XP/2000 based) both configured to access PLC through.	Proposed software is compatible with current Windows operating systems (Windows 10/11) instead of obsolete Windows XP/2000 platforms. Latest software version shall be supplied with valid license.	Ok Noted.
	Emergency stop at Compressor panel and Control Room/Sale room Shut / Stop Auto / Manuals Fault accept Fault reset CO2 cylinder bypass Test button for lamp & hooter	Emergency Stop and safety-critical functions shall remain available only at the local compressor panel for personnel and equipment safety. Monitoring and non-safety operational controls may be provided through the control system/HMI as applicable.	Ok Noted.
	The motor name plate rating (exclusive of service factor) shall be minimum 110% of the greatest HP required under any of the specification operating conditions. All motors shall be tested in accordance with IS/IEC.	Motor sizing shall be selected based on actual load requirements, service factor, and manufacturer's standard rating, ensuring reliable operation under all specified operating conditions and compliance with applicable IS/IEC standards.	Ok Noted.
	IR Gas Detectors General Monitors / Crowcon / Honeywell / Sieger / Detronics/ Khrome Schroder / Net safety.	Request to considered also ESP Safety	Ok Noted. However, bidder may be requested to submit the PESO Approval at the time of detailed drawing approval.
	UV Flame Detectors General Monitors / Crowcon / Honeywell / Sieger /Detronics/ Khrome Schroder / Net safety.	Request to considered also ESP Safety	Ok Noted. However, bidder may be requested to submit the PESO Approval at the time of detailed drawing approval.

Note: This Replies to Bidder's Queries as uploaded on n-Procure & VGL's Website. Please upload the same duly Sign and Seal with Techno–Commercial Bid as this is an Integral Part of the Tender.