



Vadodara Gas Limited
Replies to Bidder's Queries

SUBJECT: Purchase of 50 Nos. 4500 WL Capacity Stationary & Mobile Cascades for New CNG Station & Upgradation of Existing CNG Station on ARC Basis.

TENDER NO.: VGL/CO/C&P-CNG/BD202606P336 Dated 02/07/2026 & **TENDER ID:** 320059.

Sl. No.	Sec. No.	Page No.	Clause No.	Subject	Bidder's Query	VGL's Reply
1	SEC -I	10	Invitation for Bid	Delivery Period 08 Weeks	Delivery Period for 1st Lot to be considered as 14 Weeks as Drawing Approvals may take time. From Lot 2 onwards 12 Weeks delivery period may be considered.	Delivery Schedule: 12 nos. Cascade to be delivered within 06 weeks from the date of the approved drawing/intimation from VGL. Further, remaining cascades to be delivered within 12 weeks from the purchase order.
2	-	117	8. Payment Terms	8. Payment Terms 90% (Ninety percent) of Invoice value with taxes and duties will be paid progressively within 30 days after adjustment against PRS and against submission of invoice in triplicate along with: • Inspection release note by Purchaser/Purchaser's agency. • LR/GR • Packing List • Dispatch instructions/clearance by purchaser. • Performance Bank Guarantee(s) of 03% of Delivery Order Value. If already submitted, a copy of the same. • 03% (Three percent) within 30 (thirty) days after receipt and acceptance of goods at site along with submission of following documents: • Extended BG period, in case supply is delayed beyond contractual time period.	100% Payment within 30 days of receipt and acceptance of material and documents as per all the major PSUs and private CGD companies	90% (Ninety percent) of Invoice value with taxes and duties will be paid progressively within 30 days after adjustment against PRS and against submission of invoice in triplicate along with: • Invoice along with GST compliance • Inspection release note by Purchaser/Purchaser's agency. • LR/GR • Packing List • Despatch instructions/clearance by purchaser. • Performance Bank Guarantee(s) of 03% of Delivery Order Value. If already submitted, a copy of the same. 10% of the total supply order price will be paid within 30 days of successful completion of erection, testing and commissioning. In case erection and commissioning is delayed beyond 03 months from receipt of package at site, this 10% payment CPBG will be released within 30 days to the vendor against submission of an undertaking for the above on non-judicial stamp paper of appropriate value.
3	-	99	-	6.0.4 Replacement shall be made if any defective items found damaged or not performing to the specified requirements of any part of cylinder for at least 24 months from the date of delivery or 12 months from the date of successful commissioning, whichever is later.	Guarantee shall be 12 months from commissioning of the material or 18 months from date of dispatch whichever is earlier	Okay Noted
4	-	92	-	Surface preparation by SHOT BLASTING as per the grade SA 2 1/2, IS 9954 / ISO 8501. Three coats of paint shall be applied with minimum thickness of 300 micron. The recommended painting system should be of Category C5-I very high (industrial) as	Paint coat thickness 300 micron has the tendency to peel off. Hence, Bidder propose to offer final paint thickness of ~140 microns with each coat thickness of 40-60 microns. Surface preparation- Sand Blasting instead of shot Blasting. Please confirm	Okay Noted



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				specified in the standard ISO 12944 Part 1 to 8. The proposed painting system shall conform to Table A5 of ISO 12944-5 Standard.		
5	-	128	LIST OF APPROVED MAKES	Interconnecting tube work shall be minimum of 3/4" OD SS- 316 Tubing	Ok, Except Pressure Gauge Line and Vent Loops	Ok, Noted.
6	-	72	-	PRICE REDUCTION SCHEDULE(PRS) 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.	In case of delay in completion of supply beyond the stipulated time (for Materials), penalty would be levied @ 0.5% of Basic Value of the undelivered part per week or part thereof for each extra week taken by the vendor i.e., more than schedule time/period, subject to maximum of 5% of the Basic price of undelivered quantity part. Price Reduction Schedule to be applicable against individual release order with the specific delivery period and not on the total ARC value.	Ok, Noted.
7		117		8.0.15 Detailed quality control procedure for manufacture of cascade, fabrication of frame submitted to VGL for approval.	We will submit Cascade Test Plan to VGL, any further approval shall be arranged by VGL.	Ok Noted
8		118		5.0.7 Record of storage capacity check of each cylinder in a cascade shall be furnished and same shall be demonstrated to the Owner/ its representative.	We will furnish record of water capacity check at ambient temperature, NO DEMONSTRATION after cascade assembly to the OWNER/ its representatives.	Ok Noted
9		96		3.9.6 The frame structure of each cascade shall be capable of withstanding 4g (four times gravity) impact from any direction without any distortion.	We will provide calculations only. No test &/or test results/reports.	Ok Noted
10		93		3.3.3 A combination burst disc/fusible alloy assembly should be incorporated in the cylinder valve. Burst disc should yield at a pressure not less than 1.5 times manufacturer's recommended operating pressure of the cylinder, and not more than test pressure. The disc will relieve the entire pressure of the cylinder at pre-determined burst pressure as per the PESO approval of valves.	Please include "or as approved by CCOE, PESO" at the end of this clause.	Ok Noted
11		92		The paint shall be chosen, primed and applied as to have a service life of five (5) years. The exterior surface is required to be corrosion free for five (5) years and to have faded free life without oxidation of paint surface for five	OK, but no extended paint warranty of five (5) years, warranty shall be as per Clause 6 of this tender document; that means, at least 24 months from the date of delivery or 12 months from the date of successful commissioning whichever is later.	Ok Noted



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				years in an environment of bright sun light with an intense UV content.		
12		90		3.1.4 All cylinders should be new and unused. Re-certified cylinders are not acceptable. Before using the Cylinder or before refilling the cylinder, which has to be made gasfree, air contained therein shall be purged by an inert gas (Nitrogen) or by the CNG gas. Cylinder of 75 lit water capacity at 15°C are only envisaged. All cylinders in a cascade shall be of same capacity. NOTE- Storage cylinder manufactured older than 2022 shall not be accepted. The design life of CNG Storage facilities should be 20 years.	EKC proposes to offer 150L cylinders, the configuration for the cascade shall be then 150L x 30nos.	Only 75 WL capacity cylinders are considered.
13		93		3.1.26 All storage system (stationary & mobile cascade) should be supplied in a three-bank arrangement. Low bank 50%, Medium bank 30% and High bank 20% of the total storage system.	Three Bank shall be applicable to Stationary cascades only. Mobile cascades shall be provided with Single bank configuration.	Tender Conditions Prevails
14		91		3.1.14 Interconnecting tube work shall be minimum of ¾" OD SS-316 tubing, however bidder may also use SS-316 Tube for vent Line and make shall be Parker and Swagelok make only.	EKC requests to include other reputed makes i.e DkLok, Dawsons, Seal excel which are widely used in the various PSU's and CGDs.	Tender Conditions Prevails
15		95		3.6.5 Cylinders to be connected in stainless steel tubing 316 (Stainless Steel Tubing Specifications ASTM A269, ultimate tensile 517 Mpa, or equivalent of Sandvik make SS Tubes) incorporating stress reducing hoops. Only approved manufacturers (e.g. Parker, Swagelok) of high pressure fittings to be used.	EKC requests to include other reputed brands in tubing i.e Tubacex, Ratnamani, Jindal Saw	SS Tubing Make – Parker, Sandvick, Tubacex SS Male Connector/Bullnose - 5/8" BSP X 3/4" OD Make - Parker/Swegelock/EKC/Dawson SS Fittings & Valve – Parker & Swagelok
16		91		3.1.14 Interconnecting tube work shall be minimum of ¾" OD SS-316 tubing, however bidder may also use SS-316 Tube for vent Line and make shall be Parker and Swagelok make only. The sizing of connecting tubing between each outlet and its associated cylinder shall be such that where they join the total incoming flow areas shall not be less than the total outgoing area. The loops in the tube work shall be provided for absorbing contraction, expansion and vibration. Piping/ tubing shall be suitably clamped to the frame structure. All the inter connecting tubes including vent line will be SS 316.	1.SS Tube (Pressure Line): EKC recommends the use of the Tube with Outer Diameter 1/2" (12.7 mm) x Wall Thickness 0.065" (1.651 mm), with an internal diameter of size of 9.398 mm. This tube is connected to a valve with a smaller orifice size. Thus, the flow is not constrained, and the flow rate will not reduce. Kindly consider ½" OD tube for the Pressure Line. 2.All male connectors should be replaced from the existing ¼" NPTM x ¾" OD TO ¼" NPTM x ½" OD. A step from ¾"OD to ¼" NPTM is more prone to induced fatigue failures on account of bad road conditions in the case of mobile cascades. This problem can be greatly mitigated by the use of ¼" NPTM x ½"OD male connector where the step is from ½"OD to ¼"NPTM. 3.All pigtails and sub-headers shall be of ½" OD tubes	Tender Conditions Prevails



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					and main headers shall be of the existing ¾" OD tube. This arrangement will not in any way reduce the existing flow output from the cascade. Further this selection greatly reduces the overall manifold weight and thereby net total load acting on the male connector ¼"NPTM x ½" OD. The mentioned changes were also suggested to other parties like MNGL, ATGL, TGPL for application and they have approved the usage of the same.	
17	Section II	13	1.2	The bidder shall have Engineered, Manufactured/Assembled, Tested and Supplied from the proposed facility of manufacturing the minimum numbers of CNG Cascades as given in below table against a single order in the last 07 years reckoned from bid due date	We would like to bring to your kind attention that CBG Cascades currently being used in the industry are fully compliant with the technical specifications of CNG Cascades, with no deviation in design, safety, or operational parameters. Further, CBG gas transported through such Cascades from CBG plants is being routinely supplied to CNG stations operated by leading CGD companies under the SATAT policy, including HPCL, IOCL, GAIL, and several other PSUs and private oil & gas entities. In view of this established industry practice and technical equivalence, we kindly request you to consider both CNG and CBG Cascades under the supply capability criteria. I also attached the HPCL tender Coriandrum which is approved by Tractebel. Kindly Confirm	Ok Noted
18	Section-2	13	1.1	The bidder should be a Designer, Manufacturer and Supplier of CNG Cascades and should have manufacturing facility. Documentary evidence in support of the same along with the CCOE approval of Cylinder/ Cascade is to be submitted along with the bid.	With reference to the tender requirement, we would like to clarify that a separate CCOE/PESO approval is not required for an assembled CNG Cascade. CCOE/PESO approval is applicable only to the individual CNG cylinders used in the cascade. We are a manufacturer of CNG Cascades with an established manufacturing facility. The complete cascade is inspected and certified by an independent Third-party Inspection (TPI) agency. Accordingly, we have enclosed our Third-Party Manufacturing Certificate along with the CCOE/PESO certificates of the cylinders for your kind consideration	Ok Noted
19	Section – V	91	3.1.14	SS tubing related items Viz. SS Fittings, Connector, Reducer, 2/3/4-way valve, safety valves/relief valve, non- return valve etc. 1. M/s Swagelok 2. M/s Parker	In order to keep prices more competitive request you to include more range of manufacturers. Kindly approve DAWSONTECH MAKE SS 316 FITTINGS, VALVES, BULLNOSE having all the valid certification viz. ASTM F1387-19, PED etc. required for Instrumentation fittings manufacturers and it is approved by MECON, TRACTABEL, VCS and used in major CGD companies viz. BPCL, HPCL, VGL, IOAGPL and many other CGD companies for CNG cascade with proven track record. We shall submit the PTR for the same. Kindly approve.	SS Tubing Make – Parker, Sandvick, Tubacex SS Male Connector/Bullnose - 5/8" BSP X 3/4" OD Make - Parker/Swagelok/EKC/Dawson SS Fittings & Valve – Parker & Swagelok
	-	-	-	Bid Security/ Earnest Money Deposit (EMD)	We would like to submit that all major PSU companies extend the applicable benefits and exemptions to eligible MSME bidders as per the prevailing Government of India procurement policy. As we are a registered MSME,	Tender Conditions Prevails



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20					we kindly request you to consider us for the applicable MSME exemptions under this tender. We shall be grateful for your kind consideration.	
21	-	-	-	Cylinders of 75 WL capacity at 15°C shall only be envisaged. All cylinders in a cascade shall be of same capacity.	proposed cylinders will be fully compliant with applicable standards and all cylinders in the cascade will be of the same capacity. Use of 150 WL cylinders will reduce the number of cylinders, minimize joints and potential leakage points, and optimize space without affecting overall performance or safety. Kindly Confirm	Tender Conditions Prevails
22	-	-	-	Cascade venting tubes shall not be with welded connection. It shall be with nut ferrule connection.	Vent line of SS 316 shall be of 3/8" OD size as per gas flow calculations. Kindly confirm.	OK NOTED
23				Cascades shall be in the three bank configuration.	Mobile Cascades are of Single Bank configuration. Kindly confirm the same.	Tender Conditions Prevails
24	-	-	-	The Material of vent tubing shall be SS 316 conforming to ASTM A 269 and vent height shall be minimum 3 meter above from the working level	Mobile Cascade shall have Vent pipe height upto 1.5 Mtrs as per transportation guidelines. Stationery Cascade shall have 3.0 Mtrs Vent height	OK NOTED
25	-	-	-	The location of inlet/outlet tube manifold and pressure / temperature gauges shall be towards the length side of cascade for Mobile and width side of cascade for stationary.	The bidder suggests the use of acrylic sheet for the manifold window in place of 1" wire mesh to enhance instrument safety and operational reliability. It has been observed that the 1" wire mesh offers limited protection against foreign objects that may strike the pressure gauges and instrument glass while the vehicle is in transit. The use of a transparent acrylic sheet will: • Provide effective protection against impact and debris, • Ensure clear visibility of gauges for operational monitoring, and • Maintain uniformity and improved aesthetics across all cascades. We therefore request the tendering authority to mandate the use of acrylic sheet for manifold windows in the technical specification for better safety and standardization.	Tender Conditions Prevails
26	-	-	-	SS tubing related items Viz. SS Fittings, Connector, Reducer, 2/3/4-way valve, safety valves/relief valve, non- return valve etc. 1. M/s Swagelok 2. M/s Parker	Two-way manifold block with integrated bleed valve used for pressure gauge installation. AN INSTRUMENT pressure gauges are already approved. Kindly approve the AN INSTRUMENT make manifold valves to be used with Pressure gauges. Kindly Confirm.	Tender Conditions Prevails

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.