



**Vadodara Gas Limited**  
**Replies to Bidder's Queries**

**SUBJECT:** Purchase of 09 Nos. 4500 WL Capacity Stationary Cascade for New CNG Station and Upgradation of Existing CNG Station on ARC Basis  
**TENDER NO.:** VGL/CO/C&P-CNG/BD202508P240 Dated 11/08/2025 & **TENDER ID:** 219799.

Sl. No.	Page No.	Clause No.	Description	Bidder's Query	VGL's Reply
1	Page No. 96 of 139	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.	Bidder requests to approve Ratnamani, Tubacex AND Jindal Saw Tubes, which is approved in all major CGDs Bidder requests to approve DK Lok make fittings, approved in all major CGDs	SS Tubing Make – Parker, Sandvick, Tubacex Fittings & Valve – Parker & Swagelok
2	Page No. 10 of 139	2.0 Bried details of tender	(F) Delivery Period : 3 weeks	Bidder requests to consider delivery periof of minimum 10 weeks as 3 weeks is too less which may be consumed in drawing/document approval itself	Delivery Schedule: 03 weeks from the approved drawing or intimation of the VGL for 04 nos. cascade and 08 weeks from the approved drawing or intimation of the VGL for the remaining cascade.
3	Page No. 73 of 139	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	It is not specified that when the balance 10% payment will be done. Bidder requests to clarify when the balance 10 % payment will be done.	90% (Ninety percent) of Invoice value with taxes and duties will be paid progressively within 60 days after adjustment against PRS and against submission of invoice in triplicate. Balance 10% release after the completion of the warranty period.
4	Page No. 90 of 139	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 gas free, air contained therein shall be purged by an inert gas (Nitrogen) or by the CNG gas. Cylinder of 75 lit water capacities at 15°C is 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.	Bidder requests to consider cylinder capacity of either 75 WL or 150WL capacity to be used in cascades	Only 75 WL capacity cylinders are considered.
5	91	3.1.14	Interconnecting tube work shall be minimum of ¾” OD SS-316 tubing	OK, Except pressure gauge line and vent loops	Ok Noted.
6	91	3.1.14	SS-316 Tube for vent Line and make shall be Parker and Swagelok make only	Tube Make: Sandvik/Tubacex & Fittings Make: Swagelok/Parker	SS Tubing Make – Parker, Sandvick, Tubacex SS Fittings & Valve – Parker & Swagelok
7	92	3.1.21	Additionally, 20 dia. J type foundation bolts with nuts, 200 mm length and 50 mm thread length along with required number of 20 dia. anchor bolts with nuts, 100 mm length with thread length 50 mm will be in the scope of the supplier for suitable fixing of	Two types of foundation / anchor bolts create confusion. Please select only one type of bolts, that means 100 mm or 200 mm long	200 mm long



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			stationary & mobile cascades.		
8	93	3.1.24	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 years in an environment of bright sun light with an intense UV content.	OK, But no extended warranty of five (5) years for paint. Warranty shall be as per clause 13 on page 74 of this tender document.	ok noted
9	94	3.3.2	Piping and gas storage systems should be protected against overpressure by safety relief devices. Relief devices installed to protect the storage systems should have sufficient capacity to vent the maximum flow produced by the compressor and should be set to open at a pressure not exceeding 20% above the maximum allowable working pressure of the system or the pressure which produces a hoop stress of 75% of the specified minimum yield strength, whichever is lower.	Please include "or as approved by CCoE, PESO" at the end of this clause	ok noted
10	97	3.9.6 / 3.10.4	4g (four times gravity) impact	RAMA will provide calculations only, No test &/or test results/reports	Ok Noted.
11	99	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.	RAMA will furnish record of water capacity check at ambient temperature, NO DEMONSTRATION after cascade assembly to the Owner/ its representative.	Tender Condition Shall Prevail.
12	101	8.0.15	Detailed quality control procedure for manufacture of cascade, fabrication of frame submitted to Green Gas for approval.	RAMA will submit Cascade Test Plan to VGL, any further approval shall be arranged by VGL	Detailed quality control procedure for manufacture of cascade, fabrication of frame submitted to Vadodara Gas Limited for approval.
13	73	Completion period: The contract validity period shall be 12 months from the date of fax of acceptance. The following cascades are to be delivered on FOT site basis within 03 weeks from the date of FOA /LOA: 4500 WL Cascade: 05 Nos. The balance cascades are to be delivered on FOT site basis within 12 weeks from the date of intimation by EIC. The number of cascades to be delivered on FOT site basis will be indicated in the Letter of Intimation (LOI) issued by EIC.	1] For First Lot - Delivery period will start from the receipt of Approved Drawing & P.O., whichever is later. We required minimum 10 To 12 Weeks for 1st Lot. 2] We required minimum 10 Weeks of intimation for all balance lots. 3] There should be time gap of 5 Weeks between Two consecutive call off orders.	1] Due to pending orders, we require 10 Week time. P.O. and Approved drawing are crucial for manufacturing of CNG Cascades.	Delivery Schedule: 03 weeks from the approved drawing or intimation of the VGL for 04 nos. cascade and 08 weeks from the approved drawing or intimation of the VGL for the remaining cascade.
14	73	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: O Inspection release note by Purchaser/Purchaser's agency. * LR/GR	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, but no clarity for balance 10% payment.	Please clarify that balance 10% payment when you will be release. Since we discount your Bills with our Bankers, for 30 day's credit and we pay interest for that period, if payment is delayed, bank charges us penal interest and rate offered by us being competitive and bank penal interest erodes our profit.	90% (Ninety percent) of Invoice value with taxes and duties will be paid progressively within 60 days after adjustment against PRS and against submission of invoice in triplicate. Balance 10% release after the completion of the warranty period.



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		<p>*Packing List</p> <p>* Dispatch instructions/clearance by purchaser.</p> <p>* Performance Bank Guarantee(s) of 03% of Delivery Order Value. If already submitted, a copy of the same.</p> <p>03% (Three percent) within 30 (thirty) days after receipt and acceptance of goods at site along with submission of following documents:</p> <p>* Extended BG period, in case supply is delayed beyond contractual time period.</p>			
15	73	<p>29.1 Time is the essence of the Contract. In case the Contractor fails to complete the Work within the Contractual Completion period, then, unless such failure is due to Force Majeure as defined herewith or due to Owner's defaults, the Contractor shall pay to the Owner, by way of compensation for delay and not as penalty, a sum @ H% (half per cent) per complete week of delay of the value of the "supply portion for the quantity" that is delayed per complete week subject to maximum of 5% (Five Per Cent) of the total contract value.</p>	<p>Maximum - 5% (Five Per Cent) of the Basic Value of Undelivered quantity only. Delivery delayed due to any other reason fallen under Force majeure clause - Than L.D. /PRS penalty for that period will not applicable.</p>	<p>We offer very competitive price and deduction on entire value of contract erodes our small margin of profits.</p>	<p>Max. 5 % LD on part purchase order.</p>
16	87	<p>Delivery Location: Vadodara, Gujarat</p>	<p>To enable us to accurately estimate and finalize the freight cost, we request you to kindly confirm the exact location-wise cascade quantity at the indicated delivery sites.</p>	<p>Your confirmation will help us proceed with exact freight cost to be incorporate in our price schedule.</p>	<p>Within Vadodara and Chhota Udaipur District.</p>
17	1	<p>Tender Submission Due Date &amp; Time on n-procure 19/09/2025 up to 1400 Hrs.</p>	<p>We require an extension around 15 day's for submission of our Techno-Commercial bid.</p>	<p>Pre-Bid Meeting is schedule on 06.09.2025 and we required time to study and prepare the documents, after receipt of your reply to our quarries.</p>	<p>Tender Condition Shall Prevail.</p>
18	-		<p>The contract validity period shall be 12 months from the date of fax of acceptance.</p> <p>The following cascades are to be delivered on FOT site basis within 03 weeks from the date of FOA /LOA:</p> <p>· 4500 WL Cascade: 05 Nos.</p> <p>The balance cascades are to be delivered on FOT site basis within 12 weeks from the date of intimation by EIC. The number of cascades to be delivered on FOT site basis will be indicated in the Letter of Intimation (LOI) issued by EIC</p>	<p>Delivery Period for 1st Lot to be considered as 12 Weeks as Drawing Approvals may take time. From Lot 2 onwards 10 Weeks delivery period may be considered.</p> <p>VGL has also confirmed that the drawings shall be approved within 24-48hours. If not the delivery shall be counted from the date to Drawings and QAP approval whichever is later.</p>	<p>Delivery Schedule: 03 weeks from the approved drawing or intimation of the VGL for 04 nos. cascade and 08 weeks from the approved drawing or intimation of the VGL for the remaining cascade.</p>
19	-		<p>8. Payment Terms</p> <p>90% (Ninety percent) of Invoice value with taxes and</p>	<p>100% Payment within 30 days of receipt and acceptance of material and documents as per all the</p>	<p>90% (Ninety percent) of Invoice value with taxes and duties will be paid progressively</p>



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			<p>duties will be paid progressively within 30 days after adjustment against PRS and against - submission of invoice in triplicate along with:</p> <ul style="list-style-type: none"> <li>· Inspection release note by Purchaser/Purchaser's agency.</li> <li>· LR/GR</li> <li>· Packing List</li> <li>· Dispatch instructions/clearance by purchaser.</li> <li>· Performance Bank Guarantee(s) of 03% of Delivery Order Value. If already submitted, a copy of the same.</li> <li>· 03% (Three percent) within 30 (thirty) days after receipt and acceptance of goods at site along with submission of following documents:</li> <li>· Extended BG period, in case supply is delayed beyond contractual time period.</li> </ul>	major PSUs and private CGD companies.	within 60 days after adjustment against PRS and against submission of invoice in triplicate. Balance 10% release after the completion of the warranty period.
20	--		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 despatch whichever is earlier	Ok Noted.
21	-		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 specified in the standard ISO 12944 Part 1 to 8. The proposed painting system shall conform to Table A5 of ISO 12944-5 Standard.	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	Tender Condition Shall Prevail.
22	-		Interconnecting tube work shall be minimum of 3/4" OD SS- 316 Tubing	Ok, Except Pressure Gauge Line and Vent Loops	Ok Noted
23	-		<p>15.0P RICE REDUCTION SCHEDULE (PRS)</p> <p>15.1I n 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.</p>	<p>In case of delay in completion of supply beyond the stipulated time (for Materials), penalty would be levied</p> <p>@ 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.</p>	Max. 5 % LD on part purchase order.





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24		-	Detailed quality control procedure for manufacture of the Cascade, fabrication of frame submitted to Green Gas for approval	We will submit Cascade Test Plan to VGL, any further approval shall be arranged by VGL	Detailed quality control procedure for manufacture of the Cascade, fabrication of frame submitted to Vadodara Gas -Limited for approval
25		-	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.	Tender Condition Shall Prevail.
26		-	4g (four times gravity) impact	We will provide calculations only. No test &/or test results/reports.	Ok Noted.
27		-	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 predetermined burst pressure as per PESO approval of valves.	Please include "or as approved by CCOE, PESO" at the end of this clause.	Ok Noted.
28		-	The paint shall be chosen; primed and applied as to have a service life of five (05) years. The exterior surface is required to be corrosion free for five (05) years and to have faded free life without oxidation of paint surface for five years in an environment of bright sun light with an intense UV content.	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.
29	13 OF 139	1.1	Technical Criteria: 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.	We would like to clarify that as per industry practice and regulatory norms, a CNG cascade as an assembled product does not independently require BIS or PESO certification. Only the individual CNG cylinders used in manufacturing/assembling the cascade must be BIS/PESO certified. Accordingly, any bidder manufacturing cascades with cylinders sourced exclusively from CCOE-approved CNG cylinder manufacturers should be deemed eligible and allowed to participate in the bid. We request your kind confirmation on the above. Bidder shall submit letter of authorization from Cylinder manufacturer.	Ok Noted
30	91 of 139	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	In order to keep prices more competitive request you to approve DAWSONTECH MAKE SS 316 FITTINGS, VALVES, BULLNOSE as it is used in renowned MECON, TRACTABEL, VCS APPROVED and used in CGD viz. BPCL, HPCL 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 Fittings & Valve – Parker & Swagelok



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31	91 of 139	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	Kindly note that Parker/Swagelok do not manufacture Bullnose fittings used for CNG Cylinder inlet connection. DAWSONTECH MAKE SS 316 Bullnose is being widely used accorss industries by all OEM and CNG Cascade manufacturer. Kindly approve the same	Ok Noted. SS-316 Bull Nose only - Dawson make
32	96 of 139	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.	The same. Kindly approve Only double compression fittings shall be used and welded connection for vent line shall be used. Kindly confirm.	Ok Noted. SS Tubing Make – Parker, Sandvick, Tubacex SS Fittings & Valve – Parker & Swagelok

**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.**