

REPLY TO PRE-BID QUERIES

BIDDING DOCUMENT NO. : MEC/23VX/01/51/D2/T03/SU/6535
 SUBJECT OF BIDDING DOCUMENT : SUPPLY OF CNG STORAGE CASCADES (ANNUAL RATE CONTRACT FOR PERIOD OF ONE YEAR)

Sl. No.	PART / Section / Clause No.	Page No.	Clause Description	Bidder's Query	Reply to Bidder's Query
1.	Part- I	15	Bid Evaluation Criteria B. Financial Criteria	<p>we are interested to participate in subjected tender but as per BEC turnover requirement we cannot meet because our last year turnover is INR 92.99 lakh which is not meeting the BEC criteria.</p> <p>Due to one criteria we are not able to participate in this tender. Rest all technical we can meet</p> <p>But our current year till date turnover is INR 4.5 Cr above. Which will meet BEC requirement.</p> <p>So, we are requesting to you Please give us acceptance to submit provisional balance sheet of current year to able us participation in this tender.</p>	Tender conditions prevail.
2.	Part III Section-II Technical Specification	20 of 29	6.5	<p>Calibration traceability - To NIST as per ISO 5168</p> <p>Deviation / Comments : Calibration traceability - To NABL</p>	Acceptable.
3.	Part III Section-II Technical Specification	18 of 29	3.9.10	<p>Frame painting: Three coats of paint shall be applied with minimum thickness of 300 micron</p> <p>Deviation / Comments: Three coats of paint shall be applied with minimum</p>	Tender condition prevails.

				thickness of 140 micron. This is to avoid paint peel off.	
4.	Part- I	5	Due Date & Time Of Bid-Submission	Request you for an extension in due date by at least 10 days from the present due date in view of very short period of time as to prepare out find bid, Considering physical submission. Further due to the covid-19 pandemic we are working from home and facing limitations.	Tender conditions prevail.
5.	Part III Section-II Technical Specification	10 of 29	3.1. Supply of CNG storage cascades of water liter capacity as specified at clause no. 1.1. Permissible tolerance -0 + 5% at 15 o C	Request for Deviation: Please remove "at 15 o C" for water capacity. Clarification for Deviation : The water capacity shall be measured at ambient temperature	As per Gas cylinder rules "water capacity" means the volume of water in litres, a cylinder will hold at 15 ^o C.; Tender condition prevails.
6.	Part III Section-II Technical Specification	11 of 29	3.1.4. Cylinders shall be of 75 water litre etc water capacity at 15 o C as approved by PESO	Request for Deviation: Please remove "at 15o C" for water capacity. Clarification for Deviation: The water capacity shall be measured at ambient temperature	As per Gas cylinder rules "water capacity" means the volume of water in litres, a cylinder will hold at 15 ^o C.; Tender condition prevails.

7.	Part III Section-II Technical Specification	11 of 29	3.1.5.Total storage volume with no negative tolerance should be designed to meet storage patterns sizes for storage: Cascade - 3000WL at 15 degree centigrade.	Request for Deviation: Please remove "at 15 degree centigrade" for water capacity. Clarification for Deviation: The water capacity shall be measured at ambient temperature	As per Gas cylinder rules "water capacity" means the volume of water in litres, a cylinder will hold at 15° C.; Tender condition prevails.
8.	Part III- Section-II Technical Specification	11 of 29	3.1.9. Height of the vent shall be min. 3.0 meters above working level	Request for Deviation: Height of the vent shall be min. 3.0 meters above working level for stationary cascade and Height of the vent shall be 1.5 meters above working level for mobile cascade. ==	Tender condition prevails. "Vent height shall be minimum 3 meter above from the working level." For mobile cascades, LCV ground clearance shall be taken into consideration for vent height.
9.				Clarification for Deviation: :3.0 meters vent may get damaged during transit for mobile cascade; for stationary cascade 3.0 meters vent will be provided	Provision to be provided to remove and fix 1 meter of vent pipe for mobile cascades.
10.	Part III Section-II Technical Specification	15 of 29	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	Request for Deviation: 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°(o	To be taken up during detailed engineering. Tender condition prevails.

			<p>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.</p>	<p>of the specified minimum yield strength, whichever is lower. OR as approved by CCoE, PESO.</p> <p>Clarification for Deviation: Please include the wording "OR as approved by CCoE, PESO" at the end of clause. The cylinder shut-off valve has inbuilt burst disc and fusible plug, which is approved by CCoE, PESO</p>	
11.	Part III Section-II Technical Specification	15 of 29	<p>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 should relieve pressures in excess of 30Mpa.</p>	<p>Request for Deviation: 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 should relieve pressures in excess of 30Mpa. OR as approved by CCoE, PESO</p> <p>Clarification for Deviation: Please include the wording "OR as approved by CCoE, PESO" at the end of clause. The cylinder shut-off valve has inbuilt burst disc and fusible plug, which is approved by CCoE, PESO</p>	<p>To be taken up during detailed engineering.</p> <p>Tender condition prevails.</p>
12.	Part III Section-II Technical Specification	15 of 29	<p>3.3.8 The working pressure of the storage system should be minimum 250 bar (g).</p>	<p>Request for Deviation: The working pressure of the storage system should be maximum 250 bar (g) at 15°C.</p> <p>Clarification for Deviation : Minimum pressure shall be ambient.</p>	<p>Please refer Schedule of rates and Material requisition, CNG cascades are to store CNG at a pressure of 250 bar (g).</p> <p>The clause 3.3.8 stands modified to the following extent:</p>

					The working pressure of the storage system should be maximum 250 bar (g).
13.	Part III Section-II Technical Specification	17 of 29	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.	Yes, we will submit calculations only. Clarification for Deviation : No 4g test	Tender condition prevails.
14.	Part III Section-II Technical Specification	19 of 29	4.3. The three banks shall be joined to make a single inlet/outlet of the cascade and an isolation valve shall be provided in the manifold.	Request for Deviation: Please remove this clause. We propose single bank cascade for one inlet/outlet connections Clarification for Deviation: If mobile cascades required one inlet- outlet connection, then single-bank cascade shall be used. Three-bank cascade shall be used for three inlet/outlet connections.	Tender condition prevails.
15.	Part III Section-II Technical Specification	19 of 29	4.6 The design stress shall include an allowance to enable the cylinder to withstand shocks normally encountered by the movements on road, such as acceleration and deceleration for a minimum of 4g (4 times gravity).	Yes, we will submit calculations only Clarification for Deviation : No 4g test	Tender condition prevails.
16.	Part III Section-II Technical Specification	20 of 29	6.4 Calculation shall be carried for 4g Stationary of one complete cascade with all cylinders mounted and filled and the same should be submitted for review of the	Yes, we will submit calculations only Clarification for Deviation : No 4g test	4G Calculations to be furnished as per the tender. Tender condition prevails.

			Owner.		
17.	Part III Section-II Technical Specification	22 of 29	10. Detailed quality control procedure, duly approved by CCOE Nagpur for manufacture of cylinder.	Request for Deviation: Please remove this clause. Detailed quality control procedure for cascade inspection and testing shall be provided to BGL and/or Mecon for approval. Clarification for Deviation : CCoE, PESO do not approve any such procedure	Quality assurance plan to be submitted by successful bidder for review by BGL / MECON. Manufacturing of cylinders shall be as per the CCOE approved drawing and procedure. Tender condition prevails.
18.	Part III Section-II Technical Specification	29 of 29	13. Vendor List for Pressure safety valve	Please include "VANAZ/TEKNO" The cylinder shut-off valve has inbuilt burst disc for excess pressure safety and fusible plug for excess temperature safety, which is approved by CCOE, PESO	Please refer tender clause 3.1.8, for cylinder shut off valve any make approved by PESO is acceptable.

Note: This document shall form an integral part of the bidding document and shall be signed/stamped and submitted along with the bid.

(STAMP & SIGNATURE OF BIDDER)