

TRACTEBEL Engineering GDF SUEZ			REPLY TO PRE BID QUERIES #1 SUPPLY OF CNG STORAGE CASCADE FOR CNG & CITY GAS DISTRIBUTION PROJECT IN VIJAYAWADA PHASE 1B		Tender doc. No.: P.001385 G09 0002
					Owner - Bhagyanagar Gas Ltd. Consultant - Tractebel Engineering Pvt. Ltd. Date: 19.08.2011
Sl. No.	Vol. No./Section	Tender Page No.	Clause No /Description	Bidder's Query	Clarification by TE-IN /BGL
<b>COMMERCIAL(BIDDER 1)</b>					
1	Vol I of II, Section. III General Conditions of Contract (GGC-GOODS)	100035	21.under 21.5 (vi) - No interest charges for delay in payments, if any, shall be payable by PURCHASER.	@18%, will be applicable on delayed payment on & above stipulated credit period in Tender Document.	Tender Conditions prevails.
2	Vol I of II, Attachment. 1 Payment Terms & Mode of Payment for Supply of CNG Storage Cascades.	100049	1.Under - Balance 10% (Ten percent) payment will be released progressively after final acceptance of CNG STORAGE CASCADES and Mandatory Spares by Purchaser or within 120 days from the date of receipt of each Cascades of that lot and Mandatory Spears at site whichever is earlier. 1.2	Balance 10% (ten Percent) payment will be released within 60 days from the date of receipt of each Cascades of that lot and Mandatory Spears at site whichever is earlier.	Tender condition prevails
<b>TECHNICAL (BIDDER 1)</b>					
1	Volume II of II Material Requisition	200008	Cl.no. 2: All items shall provided with En 10204 -3.2 certifications. Connection orientations for inlet and outlet shall be inline.	We can provide this certification only for cylinder raw material (Seamless Steel Pipe)	Tender Conditions prevails; However for bought out items like SS tubes, SS fittings, SS ball valves, PGs, TGs; review of all applicable Test certifiactes will be done Bidder's TPI & BGL representative/ TPI appointed by BGL
2	Volume II of II PTS- CNG Storage Cascade	200016	Cl. 3 -The Vendors are advised to visit the sites before submission of their offers, to ascertain for themselves type, nature and extent of work involved and actual site conditions. Failure to do so shall not absolve the Vendor of their responsibilities regarding supply, installation, testing, commissioning etc. under their scope of work. Further more, no plea of the Vendor based on unfavourable site conditions and/ or non-availability/ lack of information shall be considered.	It is not supplier's responsibility and cascade shall be supplied as per standard requirement.	Vent pipe spools supplied by the bidder during transportation of Stationary CNG Storage Cascade are to be reassembled by the bidder at site for Stationary Storage Cascade only. Bidder to note that other than this there is no work involved related to installation, testing & commissioning at site.
3	Volume II of II PTS- CNG Storage Cascade	200017	Cl.. 4.2 - The design life of the CNG storage facilities should be 20 years.	Maximum service life of cylinders shall be 20 years subject to following conditions; 1. Maximum filling pressure shall not exceed 250 bar regardless of filling condition or temperature 2. O <sub>2</sub> not more than 0.5 % mole 3. CO <sub>2</sub> less than 4% 4. Total S including H <sub>2</sub> S Not more than 17 PPM by weight 5. H <sub>2</sub> S not more than 23mg/m <sup>3</sup> by volume 6. Water content in the range 112 to 700 kg/ MMSCM 7. Temp of gas shall be 20 to 40°C. 8. No moisture content is acceptable inside cylinders during filling and after filling of CNG 9. Gas Cylinder Rule 2004 must be strictly followed by customer and user 10. Manufacturer / Supplier is not responsible for any type of mishandling / storage / use of cylinder. Also all necessary precautions to be taken by user.	Tender condition prevails
4	Volume II of II PTS- CNG Storage Cascade	200020	CL No 8.0:The cascade shall be shipped in completely assembled condition.	Except vent pipe. Vent pipe 1500mm will assembled to cascade and 1500mm will supplied loose, to be bolted at site, as chances for damage during transit shall be occurred	Vent pipe spools supplied by the bidder during transportation of Stationary CNG Storage Cascade are to be reassembled by the bidder at site for Stationary Storage Cascade only.
5	Volume II of II PTS- CNG Storage Cascade	200021	Clause No 8.0: Offered Cascades shall be of 75 liters Water Capacity cylinders and vendor shall observe minimum neck threads size of dia 25.4 mm standard. Type 4 threads with a taper of 1 in 8 on diameter conforming to 13-3224: 2002 or equivalent.	Offered Cascades shall be of 75 liters Water Capacity cylinders with neck threads size of Type 4, Size 2 (25.4, 1:8 Taper) as per IS3224:2002	Bidder's understanding is correct

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6	Volume II of II PTS- CNG Storage Cascade	200021	Clause No 8.0:The interconnecting tube work shall be minimum of ¼" OD tubing.	Except pressure gauge with ¼" OD SS tube, all the other inter connecting tube shall be min of 3/4" OD tube for pressure piping. For operating the pressure gauge ¼" OD tube is Sufficient	Bidder's understanding is correct.
7	Volume II of II PTS- CNG Storage Cascade	200021	Clause No 8.0:The system should be "go-no-go" gaugable to demonstrate that fittings are properly tightened.	Fitting installation procedure given in supplier manual shall be strictly followed and leakage test (after assembly of tubing and fittings) shall be done in presence of TPI/Customer	Tender condition prevails
8	Volume II of II PTS- CNG Storage Cascade	200025	Clause No 8.10, 4-G Impact test: Test results and report shall be submitted to BGL.	We can provide only calculations for same and not 4-G Impact test results on cascade.	Bidder's understanding is correct. Bidder to note that only calculations are to be submitted .
9	Volume II of II PTS- CNG Storage Cascade	200026	Clause no 8.11: Draining arrangement • Draining arrangement for each cylinder shall be provided. • Materials used for the Draining piping shall be stainless steel 316. • The tubing material shall be of Sandvik make. • All SS Tube fittings shall be of Swagelok/Parker make.	As this requirement is new, we need clear guidelines from B.G.L. about this particular requirement The description given in pretender document is not enough & needs details about the connections, Length of pipe etc, as this will involve additional cost. More importantly we are skeptical about obtaining CCOE approval to this arrangement.	Tender condition prevails.
10	Volume II of II PTS- CNG Storage Cascade	200026	Clause No 8.12:The piping/tubing material shall of Swagelok/Parker make.	Sandvik Make	Bidder's understanding is correct. Please refer to Corrigendum #1
11	Volume II of II PTS- CNG Storage Cascade	200026	Clause No 8.12: Liquid filled Pressure gauge of diameter 4", (0-400 kg/cm2) with a 3 way isolating valve on each bank shall be used.	Liquid filled pressure gauge of 4" dial (0 to 400 kg•f/cm <sup>2</sup> range) with 2- valve manifold block on each bank shall be used. To operate pressure vent application separately with the respective valve provided on manifold block. We are installing 2- valve manifold block.	Bidder's understanding is correct. 2-way valve manifold block on each bank is acceptable.
12	Volume II of II PTS- CNG Storage Cascade	200027	Clause No 8.12: Vendor shall provide a suitable draining arrangement duly certified1 approved by PESO for the purpose of removing moisture and other contaminants that may accumulate within the Piping 1 Tubing.	As this requirement is new, we need clear guidelines from B.G.L. about this particular requirement The description given in pretender document is not enough & needs details about the connections, Length of pipe etc, as this will involve additional cost. More importantly we are skeptical about obtaining CCOE approval to this arrangement.	Tender condition prevails
13	Volume II of II PTS- CNG Storage Cascade	200027	Clause No 9.0:Every cylinder used for transportation of compressed gas shall be constructed and tested in accordance with IS: 2825, as amended from time to time, or BSS045:Part1 or (US) D.O.T 3AA or similar such other standard code approved by the Chief Controller of Explosives.	Cylinder Design, Manufacturing and Testing Acceptance as per IS 7285 Part 2: 2004 standard code approved by the Chief Controller of Explosives.	Bidder's understanding is correct. Please refer to Corrigendum #1
14	Volume II of II	200029	Clause No 14.0: The Supplier should develop a training proposal and prepare a schedule for the Company's review, comment and approval.	Training for operation and handling shall be conducted at our works only.	Tender condition prevails. Training at Bidder's works is acceptable .
15	Volume II of II	200030	Clause No 16.0: SPECIAL REQUIREMENT DURING WARRANTY PERIOD • Replacement shall be made if any defective items found damaged or not performing to the specified requirements of any part of cylinder during warranty period as defined in Commercial Volume I of II. • Vendor shall give comprehensive warranty all materials and equipment to be free from defects in design, material and workmanship. • Maintenance support during warranty period shall be available within 8 hours of reporting the compliant. • Assume responsibility for obtaining manufacturer's warranty of all bought out items	There are no chances of supplying of defective parts as the cascade, before dispatch will be inspected by representative of BGL / TPIA We will provide warrantee for period of 24 months from the date of dispatch We will provide warrantee for period of 24 months from the date of dispatch Unable to get from manufacturers, hence we regret	Clause stands deleted. Refer S.No. 3 of Corrigendum #1
<b>TECHNICAL( BIDDER 2)</b>					
1	Volume II of II PTS-CNG Storage Cascade & Data Sheet- Temperature Gauge	200026 & 200037	Clause No 8.12 & Data Sheet Temperature Gauge: Temperature Gauge of diameter 4" with necessary arrangement on high bank only shall be used. Thus each cascade shall have only one Temperature Gauge on high bank	The Data sheet refers to Thermowell type Temperature Gauge . We recommend skin type Temperature gauge.	Tender condition prevails.

*Antik Roy*