 MAHARASHTRA NATURAL GAS LIMITED	CORRIGENDUM – I & REPLY TO BIDDERS QUERIES AGAINST TENDER FOR ARC FOR PROCUREMENT OF CNG STATIONARY & MOBILE CASCADES FOR CNG & CGD NETWORK OF MNGL, PUNE Bid No.: MNGL/C&P/2019-20/14
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Date: 17.05.2019

Corrigendum – I & Reply / Clarification to bidders queries

SUB: Corrigendum – I & Reply to bidders queries against Tender for Annual Rate Contract for Procurement of CNG Stationary & Mobile Cascades for CNG & CGD Network of MNGL, Pune


REF: Bid Document No. MNGL/C&P/2019-20/14 dated 22.04.2019 & Addendum –I dated 13.05.2019.

Dear Sir,

Kindly note the following changes:

Corrigendum – I


Sl. No.	Clause No.	Modification
1	Clause No. 3.2 Financial criteria	<p>Clause No. 3.2 of Annexure – I to IFB is modified as under:</p> <p>3.2) FINANCIAL:</p> <p>3.2.1. <u>Turnover</u></p> <p>The bidder should have achieved a minimum turnover of Rs.12.50 Crores in any one of the last 3 (three) audited financial years i.e. 2016-17, 2017-18 and 2018-19.</p> <p>3.2.2. <u>Net worth</u></p> <p>Net worth must be positive as per last audited financial statement i.e. for the year 2018-19.</p> <p>3.2.3. <u>Working Capital</u></p> <p>The bidder should have a minimum working capital of Rs.2.50 Crores as per latest audited balance sheet i.e. for the year 2018-19.</p> <p>If the bidder's working capital is inadequate, the bidder should supplement this with a letter from bidder's bank, having net worth not less than Rs.100 crores, confirming the availability of line of credit to cover the inadequacy of previous year and meet the current working capital requirement.</p>

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		<p>Bidders must submit documentary evidence such as balance sheet & Profit & Loss A/c Statement for last three audited financial years i.e. 2016-17, 2017-18 & 2018-19 in support of the above.</p> <p>If the audited financial results of the immediate preceding financial year i.e. 2018-19 is not available, then the audited financial results of the year immediately prior to 2018-19 i.e. 2017-18 shall be considered for calculation of Net Worth and Working Capital and audited Financial Results of the year 2015-16, 2016-17 & 2017-18 shall be considered for calculation of Annual Turnover as specified at Cl. 3.2 of Financial Criteria.</p> <p>In absence of requisite documents, MNGL reserve the right to reject the bid without making any reference to the bidder.”</p>
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Reply / Clarification to bidders queries


Sl. No	Bidder's Queries	MNGL's Reply / Clarification
1	Clause No. 3.1.2. (Pg No. 95) The thread size of dia 25.04 mm Please clarify whether thread size of dia is 25.40 mm	Thread size of dia may be read as 25.40 mm in place of 25.04 mm.
2	Clause No. 3.1.7. (Pg No. 96) For mobile cascade (3000 WL), L x W x H shall be 3200mm x 1825mm x 2300mm Please clarify whether Length: 3515 mm (Approx.) Width: 1850 mm + 250 mm Header Box (Approx.) Height: 1450 mm + 320 mm Canopy (Approx.) is also acceptable.	Yes, the same is also acceptable, however, width of cascade shall not exceed 1875 mm.
3	Clause No. 3.1.7. (Pg No. 96) For mobile cascade (3000 WL), L x W x H shall be 3200mm x 1825mm x 2300mm Please clarify whether Length: 3640 mm (Approx.) Width: 1875 mm Height: 1930 mm (Approx.) is also acceptable.	Yes, the same is also acceptable, however, width of cascade shall not exceed 1875 mm.

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4	<p>Clause No. 3.1.7. (Pg No. 96) For mobile cascade (4500 WL), L x W x H shall be 5200mm x 1825mm x 2300mm.</p> <p>Please clarify whether Length: 5080 mm (Approx.) Width: 1850 mm + 250 mm Header Box (Approx.) Height: 1450 mm + 320 mm Canopy (Approx.) is also acceptable.</p>	<p>Yes, the same is also acceptable, however, width of cascade shall not exceed 1875 mm.</p>
5	<p>Clause No. 3.1.7. (Pg No. 96) For mobile cascade (4500 WL), L x W x H shall be 5200mm x 1825mm x 2300mm.</p> <p>Please clarify whether Length: 5257 mm, Width: 1875 mm, Height: 1930 mm is also acceptable.</p>	<p>Yes, the same is also acceptable, however, width of cascade shall not exceed 1875 mm.</p>
6	<p>Clause No. 3.1.7. (Pg No. 96) For Stationary cascade (3000 WL), (LxWxH – 3600mm x 2000mm x 1900mm).</p> <p>Please clarify whether Length: 3640 mm, Width: 1875 mm, Height: 1930 mm is also acceptable.</p>	<p>Yes, the same is also acceptable, however, width of cascade shall not exceed 1875 mm.</p>
7	<p>Clause No. 3.1.14 (Pg No. 96) Interconnecting tube work shall be minimum of *1/4" OD SS 316 tubing.</p> <p>Please clarify whether Interconnecting tube work shall be minimum of *1/4" OD SS 316 tubing, except PG Line and Vent Loops</p>	<p>Accepted. As regards PG line and Vent Loops, the sizing to be decided by the supplier as per standards.</p>
8	<p>Clause No. 3.3.2 (Pg No. 99) 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.</p> <p>Please include "OR as approved by CCoE, PESO"</p>	<p>Acceptable subject to approval by PESO, CCoE.</p>

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9	<p>Clause No. 3.3.3. (Pg No. 99) 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>Please include "OR as approved by CCoE, PESO"</p>	Acceptable subject to approval by PESO, CCOE.
10	<p>Clause No. 3.3.4 & 3.3.8 (Pg No. 99 & 100) In addition to 3.3.2 a mechanical pressure relief valve which opens at a predetermined pressure should be used. This should not be part of the cylinder valve. The maximum pressure in the storage system should not exceed 255 bar (g)</p> <p>Please clarify whether the additional PRV set pressure is 255 bar.</p>	It is clarified that the PRV set pressure is 300 bar.
11	<p>Clause No. 3.5.4. (Pg No.101) The burst disc (Make Vanaz or equivalent) discharge shall be manifold to a common header for safe venting.</p> <p>Clause No. 3.5.1 & 3.5.2 (Pg No. 100) Make of the valve should be EMER or OMB</p> <p>Make of the valve shall be vanaz or Techno - wheel type.</p> <p>Please clarify.</p>	It is clarified that the make of valve is EMER/OMB as mentioned in the tender in place of Vanaz & accordingly valves & its accessories to be provided.
12	<p>Clause No. 3.7.1. (Pg No. 102) Pressure gauge should be equipped with 3-way relief/ isolation valve.</p> <p>Please clarify whether pressure gauge should be equipped with 3-way relief/ isolation valve OR Two valve manifold block (which is having advantage of pressure gauge application and pressure vent applications can operated separately, with respective valves provided on the manifold block) is also acceptable.</p>	It is clarified that Two valve manifold block is also acceptable.

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13	<p>Clause No. 3.9.10 (Pg No. 103) Surface preparation by Short Blasting as per grade SA 2 1/2, Swedish Standard SIS-055 909.</p> <p>Please clarify whether surface preparation by Short Blasting as per grade SA 2_{1/2}, Indian Standard IS 9954</p>	<p>Surface preparation by Short Blasting may be read as under in place of Swedish Standard:</p> <p>Surface preparation by Short Blasting as per grade SA 2_{1/2}, Indian Standard IS 9954</p>
14	<p>Clause No. 3.10.2 (Pg No. 104) Every Mobile cascades used for the transport of compressed gas shall be a type approved, in writing, by the Chief Controller of Explosives.</p> <p>Please clarify whether cylinders in Mobile cascades used for the transport of compressed gas shall be a type approved, in writing, by the Chief Controller of Explosives.</p>	<p>Bidder's understanding is correct.</p>
15	<p>Clause No. 3.10.3 (Pg No. 104) 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 BS5045:Part1 or (US) D.O.T 3AA</p> <p>Please include standard 'IS 7285 (Part 2)'</p> <p>Clause No. 6.4 (Pg No. 114) Design Code :IS 2825, IS: 7285(Part 2) – 2004(Amendment no. 4), IS 3224 or as per Applicable standard Codes or approved by CCOE</p> <p>Std. shall be latest such as IS 7285;2017</p>	<p>Bidder shall use Standard IS 7285 (Part 2) and as amended time to time in place of IS: 2825, as amended from time to time, or BS5045:Part1 or (US) D.O.T 3AA.</p>
16	<p>Clause No. 9.17 (Pg No. 108) Detailed quality control procedure, duly approved by CCOE Nagpur for manufacture of cylinder, fabrication of frame.</p> <p>As CCoE do not approve any quality control procedure, supplier will submit the 'Cascade QAP' for MNGL's approval</p>	<p>Accepted.</p>
17	<p>Clause No. 12.6.3 (Pg No. 114) Operating Temperature range — [-55°C to 70°C]</p> <p>Please clarify whether Operating temperature range shall be ambient, as per of IS 7285 (Part 2)</p>	<p>Operating Temperature range — [-55°C to 70°C] may be read as IS 7285 -2 ambient range – [-55°C to 65°C].</p>

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18	<p>Clause No. 3.9.10 (Pg No. 103) Three coats of paint shall be applied with minimum thickness of 300 micron.</p> <p>Please clarify whether the three coats of paint can also be applied with minimum thickness 140 micron as higher thickness may result in peel off.</p>	<p>Yes, however, quality of paint shall withstand at least for a period of 5 years.</p>
19	<p>CHECK LIST FOR SCOPE OF SUPPLY Clause No. 1.14 (Pg No. 113) BOQ with weight of each component</p> <p>Please clarify whether BOQ shall be without weight of each item.</p>	<p>It is clarified that BOQ shall be considered with overall weight of cascade.</p>
20	<p>Clause No. 6.3 (Pg No. 114) Calibration traceability - To NIST as per ISO 5168</p> <p>Please clarify whether calibration traceability to NABL is also acceptable.</p>	<p>Yes.</p>
21	<p>Please clarify regarding identical or similar CNG Storage Cascades.</p>	<p>It is clarified that Stationary cascades 3000 WL Capacity Three Bank & Mobile Cascades 3000 WL Capacity Single Bank are considered similar for the purpose of meeting eligibility criteria whereas Mobile Cascade 4500 WL Capacity Single Bank is considered different from 3000 WL Capacity.</p>

Please submit the signed & stamped copy of Corrigendum - I & Reply to bidders queries along with tender document with your techno-commercial offer as a token of acceptance.

All the others terms and conditions of the bid documents are unchanged.

With regards.

Ganesh Said
Sr. Manager (C&P)