 <b>MAHARASHTRA NATURAL GAS LIMITED</b>	<b>REPLY TO BIDDERS QUERIES AGAINST TENDER FOR ANNUAL RATE CONTRACT FOR PROCUREMENT OF CNG CAR DISPENSERS FOR CNG &amp; CGD NETWORK OF MNGL, PUNE</b>  <b>Bid No.: MNGL/C&amp;P/2019-20/12</b>
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Date: 12.07.2019

**Replies to Queries of the Bidders**


**SUB: Replies to queries of the bidders for Tender for Annual rate contract for procurement of CNG Car Dispensers for CNG & CGD Network of MNGL, Pune**

REF: Bid Document No. MNGL/C&P/2019-20/12 dated 18.04.2019, Addendum – I dated 08.05.2019, Addendum – II dated 22.05.2019, Addendum – III dated 06.06.2019, Addendum – IV dated 17.06.2019, Corrigendum – I dated 01.07.2019 & Addendum – V dated 08.07.2019.


Dear Sir,

Following are the replies to queries of the bidders. Kindly note the same.


SI. No.	Bidder's Query / Clarification	MNGL' Reply
1	Clause No. 7.5, Page No. 46, Make / Model: - For all type of Dispenser: - Emerson Micro Motion (CNG 50 with 2700 transmitter), E & H Proline Promoss83 F Coriolis Flow meter  We request you to include E&H CNG Mass model number 8DF08 for CAR dispenser	Tender condition prevails.
2	Clause No. 2, Page No. 34 Calibration Unit as per clause no. 7.6 in the form of Master Meter (Master Mass Flow Meter) with Hose, Nozzle, and Fittings and vent valve mounted on a suitable frame/trolley as per International Standard. The Master Meter for Calibration must have traceability to International Standard. The Calibrator Master Meter should be certified by Weights and Measures or any other statutory authorities as certified Custody transfer meter of the Country of Origin.  Kindly confirm calibration Unit is to be supplied or not.	Supply of Calibration unit is not in scope of bidder.
3	Clause no. 15.22, page no. 29, Nozzle NGV fill Nozzle NGV/NZS, OPW5000 series / Sherex, WEH, The piping/tubing, valves, fittings shall be of Parker, Sandvik, Whitey, Cajon, Nupro, Swagelok, Hoke. -Set 01	Accepted. However bidder has to provide test certificate, technical credentials & subject to prior approval from MNGL.

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	We request you to include Parker as a vendor for NGV nozzle.	
4	<p>Clause no. 15.15, page no. 28, 14. SS Tube -1/2" x 0.065" WT, Seamless, SS 316 - Sandvik/Tubacex -Set 01 15. SS Tube -1/4" x 0.035" WT, Seamless, SS 316 - Sandvik/Tubacex -Set 01</p> <p>It is requested to include Parker as a vendor for SS Tube as its already been supplied to MNGL for earlier order of dispensers.</p>	Accepted. However bidder has to provide test certificate, technical credentials & subject to prior approval from MNGL.
5	<p>Clause No. 15.16, Page no. 28, 16. Safety Valve (Safety Relief Valve / Pressure Relief 1/2 x 1/2 " / 1/4" NPTF both sides, 6000 psi -BHEL, OFE &amp; OE Group (New Delhi)/ M/s Keystone Valves (India) Pvt. Ltd. Baroda M/s Sebim Sarasin Valves India (P) Ltd. (New Delhi/ Halol-Gujarat)</p> <p>It is requested to include Parker as a vendor for Safety Relief Valve.</p>	Accepted. However bidder has to provide test certificate, technical credentials & subject to prior approval from MNGL.
6	<p>Clause No. 7.1.1, Page No. 37 Dispenser display cabinet should be IP-65. Displays shall be weather proof to IP65 and relevant certificate shall be provided.</p> <p>Parker make dispenser display cabinet is IP-55</p>	Tender Condition Prevails.
7	<p>Clause No. 7.1.8, page no.38, One set each of (1/2 "for car with 1/2" to 3/4" reducing adapter) isolation 2-way ball valves complete with venting line valve and end plug should be installed on the inlet steel pipe of the dispenser. The valve should be located immediately before the dispenser and should be accessible to the maintenance personnel.</p> <p>Parker make dispenser contains Manual Ball valves before filter assembly without venting and Pneumatic Isolation valves provided after filter with venting on inlet side</p>	Bidder understanding is correct
8	<p>Clause No. 7.1.33, page no. 47 7.1.33 DISPENSER CABINET i) Complete cabinet shall be of Stainless Steel and shall</p>	Tender Condition Prevails.

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	<p>have tamper proof locking arrangement. Cabinet wall thickness shall not be less than 1.6 mm.</p> <p>It is requested for dispenser frame contains Door with thickness of 1.5mm and enclosure with thickness of 1.2mm.</p>	
9	<p>Clause No. 7.1.34, Page NO. 47 Each fill &amp; vent hose should be 3/8" ID working pressure 255 kg/cm<sup>2</sup> (g) and at least 4.0 Meter long.</p> <p>Fill hose comes with 3/8" ID and vent hose is with 1/4" ID. Kindly confirm.</p>	Accepted
10	<p>Clause No. 2.28, Page NO. 14 of 73, All Cable shall be supplied with double Compression type of Cable glands.</p> <p>Double Compression glands are only applicable to armour cables and are used with incoming power supply cable. Our cables are intrinsically safe and approved by Competent authority ATEX. Request you to kindly accept the same.</p>	Accepted
11	<p>Clause No. 3.4, Page No. 16 Bidder has to provide Surge protection device .This should be installed at the JB of the dispenser where incoming power supply will be terminated.</p> <p>Power Card assembly has inbuilt protection for surges.</p>	Accepted. Bidder to ensure suitable protection against low and high electrical surge.
12	<p>Clause NO. 3.4, Page No. 16 Cabling from Electrical room of MNGL to dispenser shall be in scope of the Bidder.</p> <p>Kindly exclude this from bidder's scope.</p>	Supply of cable from Electrical room of MNGL to dispenser is excluded from bidder scope.
13	<p>Clause No.15, Page NO. 27 Vendor list</p> <p>Request for Compac make items</p> <ol style="list-style-type: none"> <li>1. Pressure Regulator,</li> <li>2. Pressure Safety Valve</li> <li>3. Solenoid valve,</li> <li>4. Filter Element</li> </ol>	Accepted. However bidder has to provide test certificate, technical credentials & subject to prior approval from MNGL.

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5. Check Valve		
14	Clause No.15, Page NO. 27 Vendor list  Request for Compac make Mass Flow Meter	Tender Condition Prevails
15	Clause No. 15, Page No. 28 of 73, Solenoid Valve  Kindly refer clause no (7.1.9) Fast fill 3 Bank Sequencing System for Car Dispenser. Sequencing system should be inbuilt to the dispenser unit. As per point no -10 of 15.0 ( Vendor list) Solenoid valve should be 8 nos.  It is bidder understanding that for 3 Bank sequencing system Solenoid valve should be 6 Nos Three for each side. Kindly confirm.	Tender Condition Prevails. Bidder has to provide one additional solenoid valve at each discharge of both flow meters.
16	Clause NO. 15, Page No. 28 of 73, Three Way Ball valve/Drain Valve /Bleed Valve  Request you to include HYLOK make 3-Way Ball valve and drain valve in the approved Vendor list.	Tender Condition Prevails.
17	Clause No. 15, Page No. 29 of 73 Fueling Nozzle NGV  Request you to include Staubli make fueling Nozzle in the approved vendor list.	Accepted. However bidder has to provide test certificate, technical credentials & subject to prior approval from MNGL.
18	Clause No. 15, Page No. 29 of 73 Start/Stop Push Button/Emergency Stop switch  Request you to include Schneider make Start/ Stop/ Emergency Buttons in the approved vendor list.	Accepted.
19	Clause No. 15, Page No. 27 of 73 Pressure Transducer  As per Tender specification refer clause no-7.1.10 Vendor has an option to provide 2 PT or 1 PT and 1 Pressure regulator valve on each side of the dispenser As Per Tentative BOM PT should be 4 nos . Kindly confirm.	Tender Condition Prevails. Bidder has to provide one additional PT for safety purpose in series with existing PT of filling pressure after discharge of both flow meter. If the pressure difference of both PT is greater than 10 bar, filling should be stop immediately and accordingly error code generated.

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20	<p>Clause No. 7.1.11, Page No, 39 of 73, Vendor has to provide suitable arrangement to detect the filter status and to collect the drained oil outside the dispenser by necessary tubing.</p> <p>Kindly note to detect the filter status filter need to be checked every six months as Routine maintenance with compressed air. Normally it is whitish in color in case the filter fiber turns grey or oily it must be replaced.</p>	<p>Bidder has to follow routine maintenance &amp; provide arrangement to collect the drain oil outside the dispenser</p>
21	<p>Clause No. 2.0, Page No. 34 of 73, The Port of the mass flow meter from which the display is connected should be different from the port, where Mother board is connected.</p> <p>The mass flow meter is connected to Mother Board and displays the mass totalizer values on the main display. This system ensures highest possible accuracy through error checking b/w the two. Mechanical totalizer can also be used in conjunction with the same. Request you to kindly consider the same.</p>	<p>Accepted. Bidder shall provide additional port for SCADA system.</p>
22	<p>Clause No. 7.1.33, Page No. 41 of 73, Hi-Mast shall be of appropriate height and shall allow free movement of flexible hose.</p> <p>Request to include Compac Legend High Body Frame which has more space and easy for maintenance. Hi-mast is not required with this model of frame.</p>	<p>Accepted. Hi-Mast shall not be required.</p>
23	<p>Clause No. 7.1.34, page no. 41 of 73, The end connection for the main and the vent hose shall be SAE (JIC) 37 deg Female Swivel 1-1/16"-12 UNF</p> <p>This is nonstandard fitting and has to be specially manufactured for specific requirement. Request you to consider this fittings:1 SAE (JIC)37deg Female Swivel 9/16" –UNF Size for fill hose 2. SAE (JIC)37 deg Female Swivel 7/16" UNF Size for Vent Hose</p>	<p>Accepted</p>
24	<p>Clause No. 7.2 (b), Page No. 43 of 73, The dispenser electronics software should be capable to print all alphanumeric refueling data through Printer and shall generate the cash receipt. Keypad has to be alphanumeric so that data transfer can be done through SCADA.</p>	<p>Tender Condition prevails.</p>

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	<p>Please note that all standard inputs in Compac dispensers are given by buttons inside the dispenser so an additional keypad is not required for the same. Also this adds an extra layer of security as it will not be possible for unauthorized user to open and make any changes in the dispenser settings.</p>	
25	<p>Clause No. 7.3, page No. 44 of 73, SOV Shall be on 24 V DC Supply.</p> <p>In our standard design SOV operated at 230V Ac Supply which is approved by Competent authority PESO and Atex. Request you to kindly accept the same</p>	Accepted. 24 V DC is recommended
26	<p>Clause No. 9.1, page No. 70 of 73, The Contractor shall carryout yearly calibration of all instruments such as pressure gauges, transmitters, mass flow meters etc. In addition to the above all safety relief valves shall also be tested and calibrated every year.</p> <p>Requesting you to kindly exclude mass flow meter.</p>	Yearly calibration of all instruments except Mass Flow meter is in the scope of Bidder only. However, in case of MFM, if there is a drift in Accuracy, same has to be rectified by the bidder.
27	<p>Clause No. 2.1, page no. 11 of 73, Transportation of Dispenser, loading and unloading at MNGL sites, re-transportation of the package from the store to the actual site/station.</p> <p>Transportation from bidders work to store is in our scope. However, transportation from store to respective site will be in client's scope.</p>	Tender Condition Prevails.
28	<p>Clause No. 7.3, Page No. 44 of 73,</p> <p>In Case the Power supply is beyond acceptable limit the dispenser shall not start at all.</p> <p>For stable operation of the dispenser ,the incoming power supply should be from CLIENT UPS (Uninterrupted power supply) so that dispenser work smoothly and power supply will not goes beyond acceptable limit.</p>	UPS shall be provided by MNGL. However, bidder to ensure suitable protection in the electronics system.
29	<p>Clause No. 15, Page 27 Pressure Transducer: Pricol, Switzer, Wika, Waaree, Baumer/Druck</p>	Accepted. However bidder has to provide test certificate, technical credentials & subject to prior

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	/Honeywell/ABB/ Rosemount  Request to include PT of MSI make in the approved vendor list.	approval from MNGL.
30	Clause No. 15, page 28, SS piping/tubing, SS Valves, Fittings: M/s Swagelok (USA)/ M/s Parker (USA)/ M/s Sandvik, Sweden Whitey, Cajon, Nupro, Hoke & Tubacex, SSP.  In tender clause no. 7.8 (pg no. 48 of 73) The piping/tubing, valves, fittings shall be Dk-Lok make. So it is bidder's understanding that DKLOK make is approved in vendor list.	Tender Condition Prevails.
31	Clause No. 7.1.36, Page No. 42, Vendor has an option to supply the dispensers either with pneumatic operated ON-OFF control valve or with electrically operated full-bore bubble tight ball valve made valve made of ANSI 316 SS for ON-OFF control of flow. Vendor shall take approval of make of valve from Client/ Consultant.  It is requested to include Seitz- AG (Switzerland) make Electro- Valves in approved vendor list. Seitz make Electro-Valves are already approved by MNGL.	Accepted.
32	Clause No. 3.1 - 3.1.1 (Page No. 166) Payment Terms:  We would request you to update the payment terms as 90% against Supply / dispatch documents and 10% against PBG	Tender condition prevails

Please submit the signed & stamped copy of Replies to Queries of the Bidders 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)