



AVANTIKA GAS LIMITED
CITY GAS DISTRIBUTION PROJECT, INDORE,UJJAIN
AND GWALIOR
REPLIES TO BIDDER'S QUERIES



Dated – 12.10.2011
TENDER FOR BUS AND CAR DISPENSERS
Tender No: 110269/WGI/AGL/15-R0

Sr. No.	Section / Clause No.	Tender Doc. Page No.	Clause Description	Bidder's Query	Reply / Clarifications
1.	Vol. II of II Clause 2.4.4	4 of 32	The bidder shall provide necessary manpower, tools & tackle, transport, communication, cranes, scaffolding etc. required for simultaneous working at any site or more than one site to suit overall erection program within the scheduled time	In order to evaluate the cost impact of mobilization of resources, details of all sites with address and the no. of dispensers on each site, along with erection schedule of all 36 dispensers should be made available prior to price bid. In case such a schedule is not being adhered to on account of AGL, the bidder may please be compensated towards mobilization charges.	No. of dispensers to be dispatched to each location (city) is attached. However as you are aware the commissioning is dependent on many parameters so giving firm commissioning date is not possible at this moment.
2.	Vol. II of II Clause 2.4.8	4 of 32	Loading, unloading, transportation to AGL store are in the bidder's scope. Receipt and storage maintenance by AGL including watch and ward of material. Supervision of installation and erection of dispensers shall be in the bidders scope.	In order to evaluate the cost impact of mobilization of resources, address of AGL store and details of all sites with address and the no. of dispensers on each site, along with erection schedule of all 36 dispensers should be made available prior to price bid. In case such a schedule is not being adhered to on account of AGL, the bidder may please be compensated for mobilization charges.	Same as 2.4.4 above. However no compensation is proposed in the tender.
3.	Vol. II of II Clause 2.5.3	5 of 32	Utility Specification Electric Power Supply 230 Volt, 1 phase, 50 Hz AC Note: Vendor shall confirm that supplied dispensers are suitable with the above power supply and indicate maximum and minimum tolerable values of voltage for accurate metering and safe operation of dispenser. Instrument Air	Why is the AC/ DC converter required? AGL to include CVT (constant voltage transformer) and UPS of adequate capacity in the station owner's scope, so that power supply related problems will be taken care of.	Owner shall provide the supply at one point 230v AC single phase 50Hz. Bidder if require some other voltage levels for their system they shall have to convert the same using AC/ DC converter. Vendor to give specification for CVT and UPS if the same is required for their system



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			Instrument Air pressure range:5-15 Kg/cm ² g Necessary air regulator with pressure gauges shall be in the scope of the vendor.		
4.	Vol. II of II Clause 2.5.4	5 of 32	Pneumatic Control Air actuated / Solenoid Actuated valves shall be used for pneumatic actuation of solenoid valves & tap off for the same shall be taken from upstream of mass flow meter	Since the reference for the tap off is after the flow meter, please clarify if you need the actuators to be CNG operated or Compressed air operated. We presume it's a typographical error, and consider it to be compressed air actuated	Normally actuators recommended is compressed air actuators. However for CNG operated actuator conditions apply.
5.	Vol. II of II Clause 2.5.5	5 of 32	Operations & Control Philosophy: The dispensing facilities shall be designed to operate for a four years or 26,000 hrs whichever comes first, without major overhaul of the gas dispensers. Design Philosophy: The design life of the CNG dispensing facilities shall be 20 years min.	There seems a contradiction. 4 years or 20 years? Please clarify. \Overhauling charges to be paid by AGL.	Operation shall be free of major overhaul for 4 years period. However the design shall be for 20 yrs
6.	Vol. II of II Clause 4.1	8 of 32	There should be two displays, one on each side of the dispenser	As we understand, you need one set of display (Rate, Amount and Qty) per arm and not two sets per arm)	Vendor understanding in correct. Only one Display per arm is required
7.	Vol. II of II Clause 4.3	9 of 32	Physical design should be of stainless steel body with doors/ panels to minimize corrosion and ongoing wear and tear. The dispenser shall have temper-proof arrangement of flow meter-transmitter configuration as per requisite of W&M for any custody meter used for Public. The cabinet shall be suitably designed to accommodate all valves	External doors and panels should be of SS 304 sheets, but for mounting heavy components like flow meter, filter and Ex proof JB's, MS structural will be used.	Agreed



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			,fitting flowmeter and all required electronic equipment		
8.	Vol. II of II Clause 4.5	9 of 32	Each dispenser shall be equipped with authorization / on-off switch an 4 inches dial pressure gauge (0-400 bar) c/w red sectors. Vendor shall provide a bypass isolation valve (2 valve manifold) with associated tubing to facilitate routine servicing calibration of pressure gauges without shutdown of the dispenser. Display shall be visible 24 hours of the day	As a Safety precaution, the dispensers should be shutdown while carrying out maintenance job on the dispenser.	Vendor understanding is not correct; the requirement is only for providing bypass for pressure gauge not for all maintenance.
9.	Vol. II of II Clause 4.8	9 of 32	Interconnecting 3/4" tubing/piping, fittings, high flow valves as required shall be provided for NZS type nozzles for bus dispensers and interconnecting 1/2" tubing/piping, fittings, high flow valves as required shall be provided for NZS type nozzles for car dispensers	This means for BUS dispensers, we have to provide NGV type filling nozzle, and for CAR, NZS type.	Vendor understanding in correct.
10.	Vol. II of II Clause 4.9	9 of 32	Overfill protection shall be through electronically programmed hose to terminate the fill after fill pressure reaches 200 bar(g).Vendor shall include 2 nos of pressure transmitter out of which the primary sensing Pressure transmitter shall be SIL Certified =, a pressure transducer of suitable range for sensing of pressure, pressure relief valve shall be provided to avoid overfilling in case of	The second pressure transducer seems as redundancy, Anyway, our dispenser design does not require this. whenever pr. Transducer becomes defective, our dispenser will stop working until it is replaced. This feature will enhance the operational safety. Two pressure transducers are not needed. Instead one pressure transducer along with one mechanical relief valve will be provided for safety	Tender condition prevails.



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			failure of control system		
11.	Vol. II of II Clause 4.10	9 of 32	Vendor to provide means of temperature compensation the final limit fill pressure to 200 bar(g) equivalent at 15 °C. There shall be an option of activating and deactivating temperature compensation in the filling logic and the same shall be password protected	The purpose of having temp. compensation (limiting max pressure) at 15 degree is to ensure that pressure inside vehicle cylinder does not exceed vehicle cylinder's limiting (designed safety value), at higher ambient temp. than at the time of filling. Since we are limiting the MAX FILL PRESSURE to 200 BAR, at any ambient temp compensation is not required at all. Temperature compensator is not required.	Tender condition prevails.
12.	Vol. II of II Clause 4.11	9 of 32	Built in coalescing filter with differential pressure gauge at inlet of each bank and carried over oil at the inlet with manual drain valve with locking arrangement. Vendor to provide suitable arrangement to collect the drained oil outside the dispenser by necessary tubing . Oil content shall be < 5PPM	1. Differential pressure gauges across filters are not required as the element replacement is a part of routine maintenance, & also AGL has committed contamination to be less than 5 PPM 2. Vent valves are fitted on the pressure filter drain and are easily accessible to maintenance personnel. Please confirm.	DP gauges across Filter required.
13.	Vol. II of II Clause 4.14	10 of 32	The components of the flexible hoses are to be factory tested after assembly and before use to atleast 5,000 psig. The copies of the test certificates shall be provided together before the delivery of the dispenser unit.	Hoses are a catalogue product, and the catalogue can be given. Conformity certificates shall be provided	Tender condition prevails.
14.	Vol. II of II Clause 4.15	10 of 32	Connection for the flexible hoses shall be designed with a burst pressure of atleast four times the most severe pressure and temperature conditions expected	Not Clear	Fittings shall be 6000 psig rating



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15.	Vol. II of II Clause 4.16	10 of 32	ED button to be mounted on both side of the dispenser front panel and shall be easily accessible during emergencies	We shall provide only one emergency switch, located at a point which is easily approachable from both sides, and trips the dispenser completely	Agreed
16.	Vol. II of II Clause 4.27	11 of 32	All the vents(eg. Actuator, PSV, fill hose) shall be taken out from top of the dispenser in a singler header.	CNG(Fill hose and PSV exhaust)vent lines are taken from the top. Exhaust of pneumatic actuator is vented inside the cabinet. Combining CA exhaust in one header may have an adverse effect of back pressure. CNG vents should be taken out of the cabinet from top, and CA exhausts can be vented inside the cabinet	Bidder understanding is correct.
17.	Vol. II of II Clause 4.34	11 of 32	Suppy of application program, ladder logic, and list of error codes with descriptions for programming the dispenser parameter.	Program and ladder logic are related to safety issues, and are of propriety nature. Communication protocol and data down load software will be given.	Tender condition prevails.
18.	Vol. II of II Clause 4.36.2	12 of 32	This is similar to 4.11	Vent valves are fitted on the pressure filter drain and are easily accessible to maintenance personnel. Differential pressure gauges across filters, and separate tubing out drain port are not required. Access to drain valve shall be inside the cabinet.	Refer reply against 4.11 above.
19.	Vol. II of II Clause 4.39C	13 of 32	Automatic Refueling Data Recorder: The Dispenser shall have an automatic refueling data recorder unit for the each independent refueling line. The dispenser system shall be capable of storing up to 1250 refueling transactions data and such data shall be downloaded frequently into another portable computer with compatible Microsoft	Does AGL need computers/ Laptops to be supplied along with dispensers? Computers/ Laptops should be arranged by AGL. We will load the "Data download software" and also provide CD of the same. We shall give training to AGL personal, on how to down load the data.	Computer / Laptop not in bidder's scope of supply. Accepted



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			<p>and Linux software(to be provided by supplier together with the license) to store the transactions data.This information can either be downloaded as a report from POS system.</p> <p>Calibration Unit: Vendor to supply one number calibration unit in the form of Master Meter(Master Mass Flow Meter) complete with electrically conductive Hose, Nozzle, and Fittings and vent valve mounted on a suitable frame/trolley. The Master meter shall be certified by recognized authority like Weights and measures or any other statutory authorities of the country of origin. Vendor shall also get the Master Meter certified from Weights and measures, India. Master Meter shall be selected such that same meter can be used as standard meter for all dispensers. The meter calibration must have traceability to International standards.</p>	<p>Calibration kit complete in all respect shall be provided. The master meter will be calibrated by FCRI and their certificate will be given to you.</p>	<p>Certification from authority as per the standard will be required.</p>
20.	Vol. II of II Clause 4.39E	14 of 32	<p>We have envisaged solid earthing for the system. However, if specific earthing is required for the system electronics, the same to be highlighted by bidder; otherwise system earthing</p>	<p>Earthing – Electronic or otherwise, (making of earth pits) is a part of civil work and should not be included in Bidder's scope. Earthing may be included in the station owner's portion</p>	<p>Agreed / As specified a standard earth pit shall be in owner's scope. However if any specific type is required the same shall be in Bidder's scope.</p>



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			including making of earth-pits etc. shall be provided by the successful bidder.		
21.	Vol. II of II Clause 15 & 16	20, 21 of 32	Data sheets and manuals	Catalogues and manuals will be given in soft copy. AGL can print any number of hard copies.	Minimum three sets of hard copy required with one soft copy.
22.	Vol. I of II –SCC Clause. 6.0	2 of 4	SCC Clause-6.0 (Payment Terms)	PAYMENT TERMS: 85% within 30 days, 10% on commissioning, 5% on final documentation	There is no time frame on the 10% commissioning amount. If AGL delays the installations vendor shall not be getting this amount. A maximum credit of 90 days on the supplied dispensers or 30 days credit from date of installation whichever earlier.