



2nd Floor, Parishram Bhavan,
APIDC Building, Basheerbagh,
Hyderabad-500004

CORRIGENDUM -3 to Tender Document No: GGPL/C&P/Pur/4715/2016-17 Date: 18/02/2017

Item: SUPPLY OF CAR & BUS DISPENSERS FOR MOTHER AND DAUGHTER BOOSTER STATIONS AT EAST & WEST GODAVARI DISTRICTS OF ANDHRA PRADESH

The following modifications to the subject Tender are hereby authorized:

(a) Schedule of Rates have been revised and the modified Schedule of Rates are attached as Annexure-A & B to this Corrigendum.

(b) Clause No. 31.1.1 of Instructions to Bidders "Evaluation of Comparison of Bids" is modified as follows:

"Evaluation of Total FOT site price with Form-C for Item Sl No 1(a) + (a.1) + of SOR-A + Total AMC Charges including Service Tax of Item Sl No (a.1) of SOR-B shall be done for arriving at L1 price.

Evaluation of Total FOT site price with Form-C for Item Sl No (b) + (b.1) + (c) of SOR-A + Total AMC Charges including Service Tax of Item Sl No (b.1) of SOR-B shall be done for arriving at L1 price.

GGPL reserves the right to place order on one party or multiple parties at its own discretion".

(c) Scope of Service of AMC for CNG Car & Bus Dispensers for Mother and Daughter Booster Stations is enclosed as Annexure-C to this Corrigendum.

No more Prebid queries shall be entertained. The due date for submission of offers is latest by 14.00 hrs. 24.02.2017



Authorized Signatory *

Annexure-A

SCHEDULE OF RATES (A)

Tender No. GGPL/C&P/EG&WG/47xx/2016-17

ITEM: Supply of Dispensers for CNG Cars & CNG Buses

Sl. No	Item Description	Unit	Qty	Unit FOT Desp. Point price including P&F charges (Rs)	Unit Excise Duty (Rs)	Unit CST (Rs)	Unit Freight upto FOT Project Site incl. Octroi/ entry tax, transit Insurance & unloading	Unit FOT- Site Price with Form-C (5+6+7+8) (Rs)	Total FOT price with Form-C (4x9) (Rs)
1	2 Design, detail engineering, manufacturing, assembly, factory testing, supply of dispensers including packaging, insurance, handling transportation of Dispenser, loading and unloading at sites, documentation etc. and providing all related services including installation, integration, site acceptance testing, trial run and commissioning, commissioning spares, AMC during warranty period, all drawings , documents and licensed software & hardware, converters, cables etc. conforming to Technical Specification for CNG Dispenser. [including Onsite Training for personnel handling CNG at the premises of both Mother Stations and Retail outlets for Max. 3 (three) days for Car and bus Dispensers]	3	4	5	6	7	8	9	10
1		-	-						
a.	CNG CAR Dispensers as per Data sheet provided in the tender documents inclusive of commissioning spares (the list has to be furnished with the offer).	No.	13						



a.1	Supply of Mandatory spares as per Table attached in enclosed as Annexure-I (unit wise price breakup to be given separately) for Car Dispensers.	Lot	06						
b.	CNG BUS Dispensers as per Data sheet provided in the tender documents inclusive of commissioning spares (the list has to be furnished with the offer).	No.	03						
b.1	Supply of Mandatory spares as per Table attached in enclosed as Annexure-I (unit wise price breakup to be given separately) for Bus Dispensers.	Lot	01						
2	Calibration Unit for Both Car and Bus Dispensers: Supply of Calibration unit for Bus Dispensers in the form of Master meter (Master Mass Flow Meter) complete with Hose, Nozzle and fittings and Vent valve mounted on a suitable frame / trolley meeting international standards. Master calibration unit shall be selected such that same meter can be used as a standard meter for both bus and car dispensers. The calibrator master meter for car dispenser should be calibrated and certified by statutory authorities' certified Custody transfer meter of the country of origin.	No.	01						

Signature, Seal with Date of the Bidder's
Authorised Signatory



Annexure - B

SCHEDULE OF RATES (B)

Tender No. GGPL/C&P/EG&WG/47xx/2016-17

ITEM: AMC Service of Dispensers for CNG Cars & Buses

Sl. No	Item Description	Unit	Qty	Unit AMC Charges	Unit Service Tax	Total AMC Charges including Service Tax
1	2	3	4	5	6	7
AMC of CNG CAR Dispensers						
a.1	Lump sum Comprehensive Annual operation, Repair & maintenance charges per car dispenser for Two years after warranty period (one year from dated commissioning), inclusive of all manpower, consumables and applicable spares (vendor has to submit the list of spares along with the tender).	No.	13			
AMC of CNG BUS Dispensers						
b.1	Lump sum Comprehensive Annual operation, Repair & maintenance charges per bus dispenser for Two years after warranty period (one year from date of commissioning), inclusive of all manpower, consumables and applicable spares (vendor has to submit the list of spares along with the tender).	No.	3			

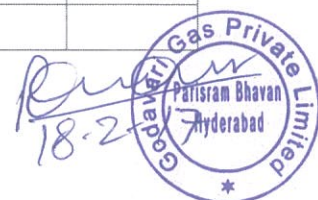
Signature, Seal with Date of the Bidder's
Authorised Signatory



Annexure-I

Spares for Car Dispensers

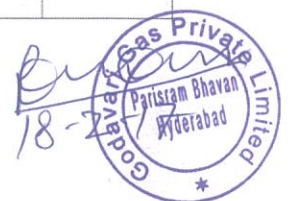
Sl. No.	Description	UOM	Qty for 13 nos. of Dispenser (1)	Unit Price (2)	Total Price (1 x 2) = (3)
1	Fuses used in the mother board	Set	2		
2	Power supply card	No	4		
3	Display card	No	5		
4	Mass Flow meter	No	5		
5	Mother board	No	2		
6	Fill Nozzles - NGV -1 Type 2 Class A	No	26		
7	Filling probes with adaptors	No	65		
8	Probe O-Rings (Front and Back O-Rings)	Sets	130		
9	Actuator Springs	No	20		
10	Filter element for Coalescent filter	No	26		
11	Transducers pressure limiting device	No	6		
12	Emergency push buttons	No	13		
13	Display pressure gauges (Range 0-400 kg/cm ²)	No	26		
14	Pressure gauges (Range 0-10 kg/cm ²)	No	13		
15	Check valves installed in main lines	No	3		
16	Seal kit for check valves	No	3		
17	3 way Ball Valve	No	10		
18	Seal Kit for 3 way ball Valves(As per OEM recommendations)	No	15		
19	Break away Coupling fill line	No	4		
20	Seal Kit for breakaway coupling for fill hose	No	4		
21	Break away Coupling for vent line	No	4		
22	Seal Kit for breakaway coupling for vent hose	No	4		
23	On/off switch (i.e. Reset switch)	No	12		
24	Thermoplastic hose (with electrical conductivity) of 3/8" ID Twin hose (Fill+Vent) and 4 Mtr long (This hose should be same as supplied with the dispensers)	No	6		
25	Keypad with LCD display	No	10		
26	Actuators of sequencing valve assembly	No	5		



27	Ball valve of sequencing valve assembly as supplied in dispenser	Set	5		
28	Solenoid valve with coil	No	8		
29	Repair kit for actuator	Set	5		
30	Repair kit for ball valve of sequencing valve assembly	No	4		
TOTAL COST					

Spares for Bus Dispensers

Sl. No.	Description	UOM	Qty for 3 nos. of Dispenser (1)	Unit Price (2)	Total Price (1 x 2) = (3)
1	Fuses used in the mother board	Set	3		
2	Power supply card	No	3		
3	Display card	No	3		
4	Mass Flow meter	No	3		
5	Mother board	No	1		
6	Fill Nozzles - NGV -1 Type 1	No	6		
7	Filling probes with adaptors	No	15		
8	Probe O-Rings (Front and Back O-Rings)	Sets	30		
9	Actuator Springs	No	6		
10	Filter element for Coalescent filter	No	6		
11	Transducers pressure limiting device	No	3		
12	Emergency push buttons	No	3		
13	Display pressure gauges (Range 0-400 kg/cm2)	No	6		
14	Pressure gauges (Range 0-10 kg/cm2)	No	3		
15	Check valves installed in main lines	No	3		
16	Seal kit for check valves	No	3		
17	3 way Ball Valve	No	3		
18	Seal Kit for 3 way ball Valves(As per OEM recommendations)	No	3		
19	Break away Coupling fill line	No	3		
20	Seal Kit for breakaway coupling for fill hose	No	3		
21	Break away Coupling for vent line	No	3		
22	Seal Kit for breakaway coupling for vent hose	No	3		
23	On/off switch (i.e. Reset switch)	No	3		





24	Thermoplastic hose (with electrical conductivity) of 3/8" ID Twin hose (Fill+Vent) and 4 Mtr long (This hose should be same as supplied with the dispensers)	No	6		
25	Keypad with LCD display	No	3		
26	Actuators of sequencing valve assembly	No	3		
27	Ball valve of sequencing valve assembly as supplied in dispenser	Set	3		
28	Solenoid valve with coil	No	3		
29	Repair kit for actuator	Set	3		
30	Repair kit for ball valve of sequencing valve assembly	No	3		
TOTAL COST					

NOTE:

1. Bidder shall quote for same make of spares which are to be supplied with Dispensers.
2. Bidder shall quote for all the spares as mentioned above. Bidder shall also recommend any other additional spares other than those indicated which calls for a necessary design, enhanced reliability, optimization etc. may be accepted subject to GGPL's approval.
3. In case a particular item is not required for the offered dispenser, bidder shall clearly justify the same in technical bid to the satisfaction of GGPL or else the bid will be loaded suitably.




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SCOPE OF SERVICE FOR AMC - CNG CAR & BUS DISPENSERS FOR MOTHER AND DAUGHTER BOOSTER STATION

Minimum requirement to carry out Comprehensive operation and maintenance contract of CNG car & Bus Dispenser are as follows:

General Scope of Service/Work:

The Contractor must follow the Operation & Maintenance requirement as stated below but not limited to and ensure to provide trouble free services to the satisfaction of the owner.

1. Accommodation / transportation / medical

The contractor shall make his own arrangement for the accommodation of his personnel at respective locations and subsequent transportation arrangement for them from their place of residence to work place or any other place as required and company shall have no obligation in this respect. The company shall not be responsible for providing any medical assistance to the contractor personnel.

2. Discipline

The Contractor shall be responsible for the discipline and good behaviour of all his personnel deployed in the services contracted out and should any complaint be received against any of his employee; he shall arrange to replace such persons within 24 hours of notice issued by the Engineer-in-Charge. The decision of the Engineer-in-Charge in this matter shall be final and binding on the contractor.



3. Gate pass / identity card

The contract shall arrange to supply / renew identity card to his workforce at his own cost, if so required by GGPL for security or for any other reasons. Those contractor's personnel shall be required to carry their respective identity cards while on duty and produce on demand.

4. Right to get services carried out through their agencies

Nothing contained herein shall restrict GGPL from accepting similar services from other agencies, at its discretion and at the risk and cost of the contractor, if the contractor fails to provide the said services any time.



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5. SPECIAL WORK CONDITIONS

- a) Contractor should ensure his manpower to get trained properly and possess STC(Safety and Technical Competency) card before deploying at site. Without STC(Safety and Technical Competency) training manpower should not allow to do the CNG O&M activity.
- b) Contractor should submit shift schedule to AIC on monthly basis.
- c) Shuffling of man power from one area to other in consultation with AIC/EIC.
- d) Stationary required in the day to day operations e.g. Envelops papers, calculator, Register is in the scope of contractor etc.
- e) Contractor has to maintain record as advise by GGPL staff.
- f) The Contractor should provide qualified & trained manpower to perform the CNG O&M activity.
- g) The contractor shall also maintain the inventory as per the normal essential spare list with proper log sheet which will be submitted to GGPL for clearing the monthly bills.

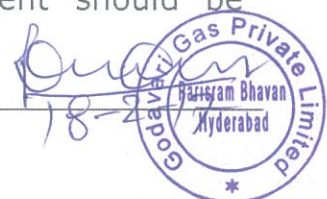
6. STATUTORY & LEGAL COMPLIANCES



- a) Payment shall be made to the contractor on 15th of the each calendar month for the jobs performed in the preceding month, only if the bills are submitted by the 5th of the month and subject to deduction of all applicable taxes including TDS, to the Engineer In charge.
- b) The Contractor shall comply with the provisions of all the applicable labour laws, particularly following Acts and any amendments/medications thereto or any other law relating thereto and rules and there under from time to time and comply with all provisions applicable therein and/or make all the payments specified therein.
 1. Payment of Wages Act 1936.
 2. Workmen's Compensation Act 1923.
 3. Industrial Disputes Act, 1947
 4. Minimum wages Act 1948



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5. Employees State Insurance Act 1948
 6. Maternity Benefit Act 1961
 7. Mines Act 1952
 8. Employees provided funds and Misc., Provisions Act 1952.
 9. Contract Labor (Regulation and Abolition) Act 1970
 10. Payment of Bonus Act, 1965
 11. Factories Act 1948
 12. Shops and Establishment, Factories Act
- c) The Contractor shall be fully responsible for complying with the provisions (including documentation and submission of Reports on the above to the concerned authorities) and shall indemnify the Company from any such lapse for which the Government/statutory authorities hereunder may take action against the Contractor and/or the Company.
- d) The Contractor shall be liable to pay his contribution and his employee's contribution to the State Insurance Scheme, Provident Fund Authorities, etc. in respect of all his employees for the performance of his obligations under this Agreement in accordance with the provisions of the Employees' State Insurance Act, 1948. Employees Provident Fund and Miscellaneous Provisions Act 1952 as amended from time to time. The PF no. & payment details of each employee to be presented with the monthly bills.
- e) In case the Contractor fails to submit and/or pay full details of his labor employed and the contributions payable, the Company shall recover from the monthly Bills of the Contractor the amount of the shortfall in contribution assessed by the concerned authorities. The amount so recovered shall be paid to the concerned authorities against the actual contribution payable for Employees State Insurance or Employees Provident Fund, etc.
- f) The monthly PF, ESIC challans etc. to be presented along ECR statement with the monthly RA bills. Also Individual PF & ESIC Nos. of all contractual employee to be submitted to GGPL otherwise RA bills will not be process for releasing the payments.
- g) The contractor will be responsible for making the salary directly to the bank account of the employees by 7th of each month from his own sources and subsequently raise bill for reimbursement which will be verified on the basis of actual amount disbursed and attendance etc. and the concerned bank statement should be



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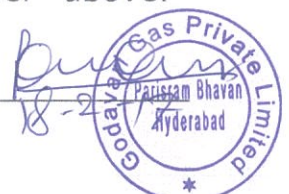
readily available with the contractor and can be asked for verification by client any time.



- h) The Company shall also have the power to deduct any sum required/ estimated to be deducted from the amount due to the Contractor for the following:-
- i. Making good the loss suffered by his employees due to non-fulfilment of Contract Labour (R&A) Act, 1970.
 - ii. Nonpayment of wages/minimum wages under the applicable statutes.
 - iii. Deductions from the wages of his employees which cannot be justified under the Contract Labour (R&A) Act 1970.
 - iv. Non observance of any of the provisions of the Contract Labor (R&A) Act, 1970.
- i) Such deductions mentioned in Clause 8 above will only be made based on a report from the local Labour Commissioner/Inspecting Officer in accordance with Contract Labour (R&A) Act, 1970.
- j) The Contractor shall at his own cost employ suitably qualified persons for all the jobs required to be carried out by him under this Contract.
- k) The persons so appointed shall not be construed under any circumstances to be working under the Company.
- l) All payments shall be made by the Contractor to his employees in accordance with the various Rules and Regulations stated above. The Contractor shall keep the Company indemnified from any claims whatsoever inclusive damages/costs or otherwise arising from injuries or alleged injuries or to death of persons employed by the Contractor.
- m) The contractor shall provide the manpower as per GGPL's requirement. If for any reason manpower is absent, it is the duty of Contractor to immediately provide the replacement manpower. If contractor fails to do so, Penalty will be imposed as per the penalty clause.
- n) The Contractor shall, at his own expense, comply with the Model rules of labor welfare framed by the Govt. /Statutory Authorities under the various labor laws from time to time for the protection of their health, etc. In case Contractor fails to make arrangements as

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aforesaid, the Company shall be entitled to do so and recover the cost thereof from Contractor.

- o) The insurance for the following will be covered and paid by for Contractor and he shall indemnify the Company and hold the Company harmless in respect of all and any expense arising from any injury and or damage in respect of.
- i. Workmen's compensation and risk of accidents of Contractor's own employees.
 - ii. Risk of accident to third parties through acts of Contractor's own employees, representatives, subcontractors and agents and the risk of damage to the property of third parties arising out of the acts of Contractor's employees, representatives, subcontractors and agents.
- p) The Contractor will be fully responsible for complying with all relevant provisions of the Contract Labour (R&A) Act, 1970, including registering himself/themselves under this Act and shall pay rates of wages and observe hours of work and conditions of employment according to rules in force from time to time.
- q) The Contractor shall observe and implement all the laws of the land and the rules framed there under for the staff employed by him and the Company shall in no event be liable or responsible for any default or non-observance of such laws/rules on the part of the Contractor.
- r) Contractor shall provide uniform (Both T-Shirt/Shirt + Trouser are mandatory) & PPEs (Good quality safety shoes, helmets, Raincoat, Gloves etc.) to All the Workers as approved by GGPL & All manpower / attendants shall wear uniform and PPEs. At the time of duty. Workers without proper uniform & PPE penalty will be imposed.
- s) Contractor shall provide the police verification of all the employees provided by him to carry out the operation & maintenance at various CNG O&M activity. Police verification shall be submitted within 90 days after issue of Service Order. Failing of which penalty would be applicable.
- t) Minimum wages are applicable as per the central act. The minimum wages for personnel to be deployed shall be as per above.



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Contractor has to refer the above wages while submitting their offer.

7. Sub-letting of contract

No part of this contract nor any share or interest therein in any manner or extent, will be transferred or assigned or sub-let, directly or indirectly to any person / firm or Organization without prior permission of GGPL.

8. The officer in charge shall have power to

- i. Issue the Contractor from time to time during the running of the contract such further instructions as shall be necessary for the purpose of proper and adequate execution of the contract and the Contractor shall carry out and bound by the same.
- ii. During the currency of this contract, GGPL can increase and/or decrease the number of the services / technicians to meet contractual requirements.
- iii. Order the Contractor to remove or replace any workman whom the company considers incompetent or unsuitable and opinion of the company representative as to the competence of any workman engaged by the Contractor shall be final and binding on the contractor.

9. Repatriation and termination



GGPL shall reserves the right at any time during the currency of the contract, to terminate it by giving 30days notice to contractor, and upon expiry of such notice period the Contractor shall vacate the site / office occupied by him immediately.



10. Compensation for non-fulfilment of obligation under Annual Maintenance Contract (AMC)

If the Contractor fails to provide the required services,

Break-down penalty would be applicable as follows:

- If the equipment is Shut down for less than 6 hours - No Penalty.
- If the equipment is Shut down for more than 6 hours – The Penalty will be @ Rs 500/- per arm per hour for the default


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period; will be on monthly cumulative basis rounded to nearest hour. For calculation of default period, will be jointly recorded jointly by the service provider and owner on daily basis.

- **For carrying out the periodic / scheduled / breakdown maintenance of dispenser package the service provider shall be allowed a maximum of 18 hours once in a month.**

In case the maximum penalty would be applicable 70% on monthly net invoicing amount of each Dispenser.

11. General

The maintenance services shall be provided on round the clock basis.

a. The Contractor shall deploy adequate number of operators and technicians as well as tools & equipment for smooth and proper operation & maintenance of the dispensers supplied in terms of the contract. In case required to meet operational requirements, the Contractor shall augment the same as per direction of Engineer-in-Charge.



b. The Contractor is required to carry out all services as mentioned in the Scope of Services and Schedule of Rates on all the 365 days including Sunday and all holiday and around the clock.



c. The Contractor shall allow weekly rest and daily working hours to his workmen as per the relevant Act / Law / and Rule made there under. However, no work shall be left incomplete / unattended on any holiday / weekly rest. Technician / operator provided shall have minimum qualification of ITI. Contract in person or his authorized representative shall provide the services on daily basis to interact with Engineer-in-Charge and deployed workmen.

d. The workforce deployed by the Contractor for O&M services at CNG installation shall be of sound relevant technical professional expertise which is otherwise also essential from the safety point of view of the personnel of the Contractor as well as for the installation.

e. Contractor has to ensure the safety of man and machine all the times. Damages of equipment due to negligence will be recovered as per the decision of Engineer-in- Charge, which will be final.

f. Regarding work completion, the decision of the Engineer-in-Charge will be final and binding.

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g. The Contractor shall make his own arrangements to provide all facilities like boarding and transport etc. to his workmen.

h. All personnel of the Contractor entering on work premises shall be properly and neatly dressed and shall wear uniform, badges while working on premises of the company including work sites.

i. Contractor shall maintain proper record of his working employee's attendance and payment made to them.

j. The Contractor's representative shall report daily to the Supervisor at GGPL office through telephone from R.O. for day to day working.

k. All the safety rules and regulations prevailing and applicable from time to time at the installations as directed by GGPL will be strictly adhered to by the contractor.

l. The rates quoted by the Contractor must be inclusive of all taxes & duties , service tax, work contract tax and any other levies, contractor's share of P.F. and insurance charges, contractor's profit and any other expenditure etc.



m. It will be the responsibility of the Contractor to pay as per the minimum wages of the appropriate government applicable under the Minimum Wage Act 1948.

n. The maintenance services shall be provided on round the clock basis. The Contractor is responsible to provide effective and efficient services round the clock and assure that there is no disruption in the services for want of any resources.

o. The contractor shall establish a central control room operate 24 hours, seven days a week where complaint regarding non-performance of the equipment in terms of the contract can be lodged. Further, the Contractor shall deploy adequate number of technicians / operators at various site offices in consultation with Engineer-In-Charge to provide trouble free operation & maintenance of the dispensers.

p. All arrangements for communication from control room to the contract person working on job under the services shall be the responsibility of the contractor, viz pagers / walky-talky / telephone.


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q. All the jobs mentioned under scope of services shall be carried out as per sound engineering practices, work procedure documentation, recommendation of the manufacturer and as per the guidelines / direction of engineer-in-charge of authorized representative.

12. Operation & Maintenance of CNG Car & Bus Dispensers during contract period

a. All OEM spares, required for carrying out the operation and maintenance of the complete dispensers during the contract period, including periodic, breakdown maintenance for continuous and uninterrupted operation of dispensers shall be supplied by the contractor at free of cost to the owner.

b. The Contractor shall have to keep / supply all the consumables, lubricants, coolant etc. required for carrying out periodic, breakdown, emergency maintenance etc. of the package so as to minimize the down time of the dispenser.

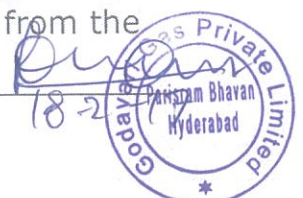
c. All tools, tackles and fixtures required for carrying out the above maintenance of the dispensers shall be in scope of the Contractor. The scope will also include handling equipment like crane, forklift, chain pulley block etc. required during the any maintenance activity.



d. Any expert services required from principal company or OEM shall be arranged by the Contractor or his agent at his own cost. All arrangements like phone, fax, computer, internet etc. required for correspondences with above personnel shall be arranged by the Contractor.

e. The periodic maintenance required to be done as per OEM recommendation shall be taken up promptly. The Contractor shall provide the detailed preventive maintenance schedule along with

- i) Estimated down time required for each type of maintenance schedule.
- ii) List of spares and their quantities required for each type of maintenance schedule per dispenser.
- iii) Type and number of man days required for each type of maintenance schedule per dispenser.

f. The Contractor shall use only OEM's certified spares during maintenance. In case, the schedule maintenance of the OEM manual recommends checking and replacing parts like valves, regulators, hoses, seal kits, nozzles, breakways/ quick couplers etc. after certain time interval, same shall be replaced or used further only on approval from the



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GGPL representative. However any unto ward consequences for non-replacement of such parts shall be the responsibility of the Contractor.

g. All routine and periodic checks / inspections required to be done as per OEM recommendation shall be done by the Contractor. Instruments required for above inspection like vernier calliper, micrometer screw gauge, fill gauges, bore gauge etc. shall be in scope of the Contractor and these instruments shall be calibrated every year.

h. The Contractor shall submit a copy of the daily / weekly / fortnightly / monthly / bi-monthly / quarterly and yearly performance report to the EIC in both soft and hard form. All stationery including the printed material shall be in scope of the Contractor.

i. All the maintenance / inspection job carried out by the Contractor shall be recorded and the report of the same shall be jointly signed by GGPL representative.

j. The EIC will be final authority to take decision with regards to maintenance or replacement of spares or any disagreement between the Contractor and GGPL, during the execution of the contract.



k. The Contractor shall carry out calibration of gas detectors and flame detectors every six months or earlier as per requirement or instruction of EIC of GGPL. Also yearly calibration of all the instruments such as pressure gauges, transmitters, switches, mass flow meters etc shall be in the scope of the Contractor. In addition to the above all safety relief valves shall also be tested and calibrated every year.

l. Calibration shall be done from government-approved laboratories and shall be carried out at least 15 days prior to the calibration due date.

m. The periodic maintenance required to be done as per OEM recommendation shall be taken up promptly. The Contractor shall plan such maintenances during non peak hours and in consultancy with the EIC of GGPL. Any maintenance that needs to be taken up shall be well planned in advance with due approval of the EIC. The scope shall include preparation of maintenance schedule for carrying out the maintenance during the contract period.



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Brief Scope of Work:

1. Equipment under AMC

Comprehensive AMC proposed will be limited to the equipment listed in the tender.

2. Contractor team – Rolls and Responsibility:



Technician:

The Technician functions and responsibilities are listed below:

- a) To function as an integral member of the GGPL O&M coordination team.
- b) Interface with Contractor / GGPL on all equipment and system issues mobilize any Contractor / GGPL resources required for scheduled or unscheduled maintenance.
- c) Assist GGPL personnel with development and implementation of sound operating and maintenance strategy and procedures, including corrective action guidance.
- d) Assessments of consumables, operational and maintenance spares, OEM services and raise the requirements, procure the same after getting the necessary approval.
- e) Provide reports as per GGPL O&M practices.
- f) Conduct training programs for upgrading O&M resources, participate in all Contractor / GGPL sponsored safety trainings.
- g) Collect and provide data as deemed necessary by GGPL to analyze equipment performance.
- h) Assist the operation team for all routine, breakdown & scheduled maintenance activities during O&M.
- i) Monitor the performance of equipments.
- j) They will be part of operation team.

Maintenance team shall be made available for work on 24 Hrs. basis.



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3. Scope of work – Operation & Maintenance

3.1 Spares & Consumables

All Spares and Consumables like O-rings, fill probes, adaptors, hex nipples etc. will be in contractor scope during the AMC period.



3.2 Tools & Tackles

One set of conventional Mechanical & Electrical general tools for maintenance job shall be provided by Contractor.

3.3 Special Services

- a) Contractor shall arrange calibration of all the instruments which are installed in the dispenser annually after necessary approval from GGPL.
- b) Contractor shall arrange visit of vendor representative for dispenser health check up or routine maintenance depending on site requirement. Services like inspection, breakdown shall be taken care by contractor.
- c) Contractor shall arrange welder / plumber when required with material if required.
- d) Contractor shall arrange any vendor / Software programmer visit when required with parts if required.
- e) Contractor shall provide all necessary lifting equipment.
- f) Contractor shall provide all necessary facilities of any additional repair, welding, testing, calibrations etc.
- g) OEM services if required for any Overhauls or major maintenance activities.
- h) Maintenance of the instruments, transmitters, controls, switchgear within the battery limit.
- i) Contractor shall provide First Aid box at site.
- j) Contractor shall provide painting of accessories and equipments (if any) annually / as and when required.
- k) Contractor shall supply electrical system / panel which are damaged in case of power failure or power surge.



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l) Contractor has to maintain the dispenser variation in metering quantities below + or - 1%.

3.4 Additional Services

Contractor shall provide any additional service that may be required, using the expertise and technology of OEM services and should provide a detailed inspection report

3.5 Scope for AMC Activities

Contractor shall depute site personnel as enlisted above for carrying out the AMC of the Dispensers Uninterrupted service shall be provided round the clock including Sundays and other holidays throughout the contract period. Contractor shall advise the schedule / predictive maintenance that need to be carried out and GGPL will provide reasonable time period to carry out such work.

1. All annual O&M spare parts (regular / breakdown / overhauling) will be in the scope of Contractor.

2. Round the clock trouble free and safe operation and maintenance of the following equipment as per laid down operating procedures

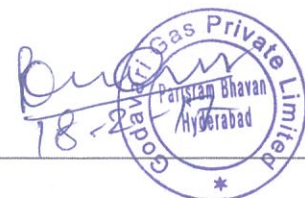
- a) CNG Dispensers, Gas Line with in the battery limit, valves etc.
- b) Instrumentation – PTs, TTs, PGs, FTs, Electronic panels, Control valves, PSVs etc.
- c) Electrical panel, Air line etc.



3. Upkeep of all operational and maintenance records and everyday logging of all the critical parameters of equipment, hours run and any specific maintenance / repairs carried out including material / spares consumed.

4. Continuous vigil on the condition of running equipment.

5. Preventive maintenance schedule of all the equipment to be followed religiously using genuine OEM / OES spares and to be recorded in logbook.

6. Fault finding and troubleshooting of the equipment are carried out and maintain the record of it.



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7. Schedule maintenance shall normally be carried out by interacting with Engineer in charge during day time general shift, however routine checks and maintenance to be carried out on round the clock.

8. Upkeep of equipment shall be taken up immediately after completion of maintenance or a repair and area shall be kept neat and clean. The waste generated during maintenance shall be dumped in a designated area with in the CNG station.

9. Provide the quality and adequate quantity of lubricants and cleaning agent as per OEM recommendations.

10. Coordinate calibration of the instruments and maintain records.

11. MIS duties – all Checklists, DPRs, Monthly reports miscellaneous correspondence regarding resource requirements and information required by management as and when required.

12. Providing resources such as tools, cotton waste etc. as required for operations.

13. Providing all personnel with the necessary PPE like Safety shoes, Hand gloves, Cotton uniform etc. and ensure that the personnel shall all the time use PPE when they are at site.

14. Disposal of empty barrels / burnt oil barrels shall be disposed according to documented procedure.

15. All wastes (hazardous, bio-degradable & non-biodegradable) are stored & disposed off as per documented procedure.

