



Bhagyanagar Gas Ltd.

BHAGYANAGAR GAS
LIMITED

**Tender for Comprehensive Annual Maintenance Contract
for Gas Engine Driven Chicago Pneumatic Compressors
of BGL at Hyderabad, Vijayawada and Kakinada.**

Bid Document No. BGL/429/2018-19

VOLUME
II OF II



Bhagyanagar Gas Ltd.

BHAGYANAGAR GAS LIMITED

(A JOINT VENTURE OF HPCL & GAIL)

BID DOCUMENT FOR

**Comprehensive Annual Maintenance Contract for
Gas Engine Driven Chicago Pneumatic
Compressors of BGL at Hyderabad, Vijayawada and
Kakinada**

**UNDER OPEN DOMESTIC
COMPETITIVE BIDDING IN TWO BID SYSTEM**

Bid Document No.: BGL/429/2018-19

VOLUME-II of II



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of BGL at Hyderabad, Vijayawada and Kakinada.**

VOLUME
II OF II

Bid Document No. BGL/429/2018-19

CONTENTS

VOLUME II OF II

- Section 7** : Service Requisition.
Section 8 : Scope of Work.
Section 9 : Special Conditions of Contract.
Section 10 : Schedule of Rates / Price Schedule.



Bhagyanagar Gas Ltd.

BHAGYANAGAR GAS
LIMITED

**Tender for Comprehensive Annual Maintenance Contract
for Gas Engine Driven Chicago Pneumatic Compressors
of BGL at Hyderabad, Vijayawada and Kakinada.**

VOLUME
II OF II

Bid Document No. BGL/429/2018-19

SECTION 7

SERVICE REQUISITION



**Service requisition for Comprehensive Annual Maintenance Contract of CNG
Online 1200 SCMH Chicago Pneumatic Compressors in BGL:**

Proposed CAMC contract will be limited to the equipment's listed below:

Part: I (For Hyderabad CGD area):

Sl.No.	Name of Equipment & Make	Model & Brief specification	Proposed Period (Months)
1. CNG Mother Station, Shamirpet - Hyderabad			
A	CNG On-line Compressor: Chicago Pneumatic	Intermech NG-1200 E, Sl.No – PNA 202422	24.00
B	Gas Engine: Cummins	GTA-855-C-BC, 242 HP, Sl.No - 25372874	
C	Air Compressor: Ingersoll-Rand	Model: 2545, 7.5 HP	
2. CNG Online Station, TSRTC, Medchal Depot - Hyderabad			
A	CNG On-line Compressor: Chicago Pneumatic	Intermech NG-1200 E, Sl.No – PNA 102082	24.00
B	Gas Engine: Caterpillar	G 3306 NA, 203 HP, Sl.No – G6X07482	
C	Air Compressor: Ingersoll-Rand	Model: 2545, 7.5 HP	

Including other accessories like Heat/Air exchanger, CO2 flooding system and Instrumentation & control panel, mass flow meters, PLC etc., related to the above Gas Compressor packages.



BHAGYANAGAR GAS
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**Tender for Comprehensive Annual Maintenance Contract
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VOLUME
II OF II

Bid Document No. BGL/429/2018-19

Part: II (For Vijayawada & Kakinada CGD area)

Sl.No.	Name of Equipment & Make	Model & Brief specification	Proposed Period (Months)
1. CNG Mother Station, Vidyadharapuram– Vijayawada (02 Nos)			
a	CNG On-line Compressor: Chicago Pneumatic	Intermech NG 1200E, Sl.No – PNA 102034 & 102015	24&24
b	Gas Engine: Cummins	GTA-855-C-BC, 227 HP Sl.No – 25365035 & 25364612	
c	Air Compressor: Ingersoll-Rand	Model: 2545, 7.5 HP	
2. CNG Online Station, APSRTC, Vidhyadarapuram– Vijayawada (01 Nos)			
a	CNG On-line Compressor: Chicago Pneumatic	Intermech NG 1200E, Sl.No – PNA 102004	24
b	Gas Engine: Cummins	GTA-855-C-BC, 227 HP Sl.No: 25359763	
c	Air Compressor: Ingersoll-Rand	Model: 2545, 7.5 HP	
3. CNG Mother Station, Vakalapudi– Kakinada (01 Nos)			
a	CNG On-line Compressor: Chicago Pneumatic	Intermech NG-1200 E, Sl.No – PNA 102007	24
b	Gas Engine: Cummins	GTA-855-C-BC, 227 HP, Sl.No - 25359764	
c	Air Compressor: Ingersoll-Rand	Model: 2545, 7.5 HP	

Including other accessories like Heat/Air exchanger, CO2 flooding system and Instrumentation & control panel, mass flow meters, PLC etc., related to the above Gas Compressor packages.



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BHAGYANAGAR GAS
LIMITED

**Tender for Comprehensive Annual Maintenance Contract
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of BGL at Hyderabad, Vijayawada and Kakinada.**

VOLUME
II OF II

Bid Document No. BGL/429/2018-19

SECTION 8

SCOPE OF WORK



Bhagyanagar Gas Ltd.

BHAGYANAGAR GAS
LIMITED

**Tender for Comprehensive Annual Maintenance Contract
for Gas Engine Driven Chicago Pneumatic Compressors
of BGL at Hyderabad, Vijayawada and Kakinada.**

VOLUME
II OF II

Bid Document No. BGL/429/2018-19

Scope of 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 BGL 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. 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 BGL.

5. 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, BGL can increase and/or decrease the number of the services / may request the contractor to increase technicians to meet the actual contractual requirements of site if provided services are not met properly and the contractor shall comply with it.
- 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.

6. Contract Repatriation and termination



Bid Document No. BGL/429/2018-19

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

However BGL shall reserve the right at any time during the currency of the contract, to stop/suspend the services under abnormal circumstances by giving one week notice to contractor. Payment shall not be payable for such period of suspension.

On normalisation, BGL may ask for resumption of services in week's period.

7. Compensation for non-fulfilment of obligation under Comprehensive Annual Maintenance Contract (CAMC)

If the Contractor fails to restore the operations for any of the Compressors to normalcy within the stipulated time;

Break-down penalty would be applicable as follows:

- For shutdown restored beyond 4 hours upto 8 hours-Rs.3,000/-
- For Shutdown restored beyond 8 hours upto 16 hours – Rs 5,000/-.
- For Shutdown restored beyond 16 hours upto 24 hours – Rs 10,000/-.
- For Shutdown restored beyond 24 hours upto 32 hours – Rs 15,000/-.
- For Shutdown restored beyond 32 hours upto 40 hours – Rs 20,000/-.
- For Shutdown restored beyond 40 hours upto 72 hours – Rs 30,000/-.
- In case there is a continuous breakdown beyond 72 hours up to 15 days, 50% of monthly maintenance charges excluding operational part (30% of Lump-sum Charges) will be deducted.
- In case there is a continuous breakdown beyond 15 days, no maintenance charges will be paid. Only operational charges (i.e, 30% of Lump-sum Charges) may be payable at the sole discretion of Engineer-in-charge.

Maximum penalty would be applicable 100% of Maintenance Part (i.e, 70% of Lump-sum Charges) on monthly net invoicing amount of one unit.

8. General

The operation & maintenance services shall be provided in terms of shift pattern on round the clock basis.

- a. The Contractor shall deploy adequate number of technicians/ opeartors/ engineeress as well as tools & tackles for smooth and proper operation & maintenance of the dispensers provided 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



Bid Document No. BGL/429/2018-19

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.
- 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 EIC 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 BGL will be strictly adhered to by the contractor
- l. The rates quoted by the Contractor must be inclusive of all taxes & duties except GST. GST to be quoted separately as specified in the SOR.
- 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 from time to time.
- n. The maintenance services shall be provided in terms of shift pattern on the 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 deploy adequate number of technicians at various site offices in consultation with Engineer-In-Charge to provide trouble free operation & maintenance of the dispensers. Site in charge shall always be available 24 hours on Mobile Phone.
- 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.



Bid Document No. BGL/429/2018-19

- 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.
- r. The Contractor shall ensure and will be solely responsible for payment of wages and other dues latest by 7th of the following month to the personnel deployed by him in the presence of the Company's representative and the wages should be distributed through bank and the statement of the wages should submitted along with monthly bills duly certified by Bank.
- s. The Contractor shall be directly responsible and indemnify the company against all charges, claims, dues etc. arising out of disputes relating to the dues and employment of personnel deployed by him.
- t. The Contractor shall indemnify the company against all losses or damages caused to it on account of acts of the personnel deployed by the contractor. The Contractor shall ensure regular and effective supervision of the personnel deployed by him.
- u. The Contractor shall be liable for making good all damages / losses arising out of loss or theft of each handled, leakage, pilferage of any office, furniture equipment fitting and fixtures what-so-ever as may be caused directly or indirectly by the engaged persons through him / work carried out by them.

9. Operation & Maintenance of compressor packages during contract period:

- a) All OEM spares, required for carrying out the operation and maintenance of the complete compressor packages during the contract period, including preventive, predictive, breakdown maintenance etc. for continuous and uninterrupted operation of compressor packages shall be supplied by the contractor at free of cost to the Owner.
- b) The Contractor shall have to keep all the consumables like lubricants, coolant, filters, gaskets, O-rings etc. required for carrying out preventive, predictive, breakdown maintenance etc. of the package so as to minimize the down time of the compressor.
- c) All tools, tackles and fixtures required for carrying out the above maintenance of the compressor 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. Painting of the required equipment/enclosure should be completed on yearly basis.
- d) Any expert services required from Principle 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



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of BGL at Hyderabad, Vijayawada and Kakinada.**

VOLUME
II OF II

Bid Document No. BGL/429/2018-19

- 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 compressor.
 - iii) Type and number of man days required for each type of maintenance schedule per compressor.
- f) The Contractor shall use only OEM's certified spares during maintenance. In case, the schedule maintenance of the OEM manual recommends to check and replace parts like valves springs, valve plates, piston rings etc. after certain time interval, same shall be replaced or used further only on approval from the BGL 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) All parts replaced by the Contractor during the above contract period shall be properly packed and stored/disposed/scrapped.
- i) The Contractor shall submit a copy of the daily / weekly / fortnightly / monthly / bio-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.
- j) All the maintenance / inspection job carried out by the Contractor shall be recorded and the report of the same shall be jointly signed by BGL representative.
- k) The EIC will be final authority to take decision with regards to maintenance or replacement of spares or any disagreement between the Contractor and BGL, during the execution of the contract.
- l) The Contractor shall carry out calibration of gas detectors and flame detectors every six months/yearly or earlier as per requirement or instruction of EIC of BGL. 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.
- m) PLC programming/repair/update/reinstall is in the scope of contractor and same should be carried out with OEM/OES.
- n) Calibration shall be done from government-approved laboratories and shall be carried out at least 1 week prior to the calibration due date.
- o) 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 BGL. 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.



10. Compliance of Laws

The Contractor deploying 20 (twenty) or more workmen as contract labour shall have to obtain licence from appropriate licensing authority, if required. The Contractor (which shall include the contracting firm / company) shall be solely liable to obtain and to abide by all necessary licenses from the concerned authorities as provided under the various labour laws legislation's including labour license from the competent authority under the Contract Labour ("Regulation & Abolition") Act 1970 and Acts made thereafter.

Brief Scope of Work:

1. Equipments under CAMC

CAMC proposed will be limited to the equipments listed below:

PART: A (Hyderabad CGD area)

Sl.No.	Name of Equipment & Make	Model & Brief specification	Proposed Period (Months)
1. CNG Mother Station, Shamirpet - Hyderabad			
a	CNG On-line Compressor: Chicago Pneumatic	Intermech NG-1200 E, Sl.No – PNA 202422	24.00
b	Gas Engine: Cummins	GTA-855-C-BC, 242 HP, Sl.No - 25372874	
c	Air Compressor: Ingersoll-Rand	Model: 2545, 7.5 HP	
2. CNG Online Station, TSRTC, Medchal Depot - Hyderabad			
a	CNG On-line Compressor: Chicago Pneumatic	Intermech NG-1200 E, Sl.No – PNA 102082	24.00
b	Gas Engine: Caterpillar	G 3306 NA, 203 HP, Sl.No – G6X07482	
c	Air Compressor: Ingersoll-Rand	Model: 2545, 7.5 HP	

PART: B (Vijayawada & Kakinada CGD area)

Sl.No.	Name of Equipment & Make	Model & Brief specification	Qty. (Nos.)
1. CNG Mother Station, Vidhyadarapuram – Vijayawada			
a	CNG On-line Compressor: Chicago Pneumatic	Intermech NG 1200E, Sl.No – PNA 102034 & 102015	02
b	Gas Engine: Cummins	GTA-855-C-BC, 227 HP Sl.No – 25365035 & 25364612	02
c	Air Compressor: Ingersoll-Rand	Model: 2545, 7.5 HP	02
2. CNG Online Station, APSRTC, Vidhyadarapuram – Vijayawada			
a	CNG On-line Compressor: Chicago Pneumatic	Intermech NG 1200E, Sl.No – PNA 102004	01
b	Gas Engine: Cummins	GTA-855-C-BC, 227 HP	01



**Tender for Comprehensive Annual Maintenance Contract
for Gas Engine Driven Chicago Pneumatic Compressors
of BGL at Hyderabad, Vijayawada and Kakinada.**

Bid Document No. BGL/429/2018-19

		Sl.No: 25359763	
c	Air Compressor: Ingersoll-Rand	Model: 2545, 7.5 HP	01
3. CNG Mother Station, Vakalapudi – Kakinada			
a	CNG On-line Compressor: Chicago Pneumatic	Intermech NG-1200 E, Sl.No – PNA 102007	01
b	Gas Engine: Cummins	GTA-855-C-BC, 227 HP, Sl.No - 25359764	01
c	Air Compressor: Ingersoll-Rand	Model: 2545, 7.5 HP	01

Including other accessories like Heat/Air exchanger, CO2 flooding system and Instrumentation & control panel, mass flow meters, PLC etc., related to the above Gas Compressor packages

2. Contractor team – Site deputation, Rolls and Responsibility (Part- A & Part-B)

Contractor shall deploy sufficient manpower to take care of said compressor packages.

O&M In charge: with sufficient experience and qualification

The O&M In charge's functions and responsibilities are listed below:

- To function as a Co-ordinator with the BGL O&M team for CAMC services.
- Interface with Contractor / BGL on all equipment and system issues mobilize any Contractor / BGL resources required for scheduled or unscheduled maintenance.
- Assist BGL personnel with development and implementation of sound operating and maintenance strategy and procedures, including corrective action guidance.
- Assessments of consumables, operational and maintenance spares, OEM services and raise the requirements, procure the same after getting the necessary approval.
- Provide reports as per BGL O&M practices.
- Conduct training programs for upgrading O&M resources, participate in all Contractor / BGL sponsored safety trainings.
- Collect and provide data as deemed necessary by BGL to analyze equipment performance.
- Execution of maintenance schedules as recommended by OEM/OES and submission of detail reports.
- Contractor shall take the work permit for the maintenance in advance from the safety officials.

Maintenance Technicians: with sufficient experience and qualification

- To function as an integral member of Maintenance team for providing CAMC services to BGL, they will support site in-charge and will be available to meet any emergency situation.
- Assist the operation team for all routine, breakdown & scheduled maintenance activities during O&M.
- Monitor the performance of equipments.
- They will be part of operation team.

Operation Team: with sufficient experience and qualification

- Assist the operation & maintenance requirement for CAMC services to BGL.
- Monitor all essential parameters of the running equipment and report any discrepancy in operational parameters.



Bid Document No. BGL/429/2018-19

- c) Responsible for log book data capturing, minor maintenance activities, safety of team and handing over the charge to the next shift.

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

3. Scope of work – Operation & Maintenance

3.1 Spares & Consumables:

All OEM Spares & Consumables like Frame oil, Lubricator oil, Engine lube oil, Air Compressor lube oil, Coolant, DM water, Gear box oil, Gas/ Air filters, Oil filters, Grease 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 and Special tools if any supplied along with the original equipments will be provided by BGL.

3.3 Special Services:

- a. Contractor shall arrange calibration of all the instruments which are installed in the package including mass flow meters (for which master mass flow shall be provided by BGL) annually after necessary approval from BGL
- b. Contractor shall arrange filling of Co2 cylinders yearly, however the flooding system function check with discharging the Co2 shall be carried periodically and recorded.
- c. Contractor shall arrange visit of vendor/ OEM representative for package routine maintenance depending on site requirement. Services like inspection, breakdown, top / major overhauls shall be taken care by contractor
- d. Contractor shall arrange welder/ plumber/ painter when required with material if required
- e. Contractor shall arrange Electrical Panel vendor/ PLC Software programmer visit with parts etc if required
- f. Contractor shall provide all necessary lifting equipment
- g. Contractor shall provide all necessary facilities of any additional repair, welding, testing, calibrations, radiography, NDT, thickness measurement.
- h. Contractor shall provide OEM services if required for Top & Major Overhaul
- i. Maintenance of the instruments, transmitters, controls, switchgear within the battery limit
- j. Contractor shall provide First Aid box at site
- k. Contractor shall provide painting of canopy and equipments annually / as and when required
- l. Contractor shall supply electrical system / panel which are damaged in case of power failure.

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:



Bid Document No. BGL/429/2018-19

Contractor shall depute his Supervisor/O&M Incharge for supervision of the services to receive instruction from EIC or his representative and also depute the site personnels as enlisted above for carrying out the AMC of the CNG compressor packages

Uninterrupted service shall be provided round through shift operations including Sundays and other holidays throughout the contract period. Contractor shall advise the schedule / predictive maintenance that need to be carried out and BGL will provide reasonable time period to carry out such work

Operational activities involved in the contract are broadly, categorized below:

- i. Shift will run on 8 Hrs. pattern i.e. shift will function for round the clock. If any shift operator is not maintained / not felt necessary then SOR rate will be paid on pro-rata basis.
- ii. Taking hourly readings of parameters of operating packages
- iii. Maintain and compile records of all operational data of the compressor plant
- iv. Monitor availability of the compressor plant, study and analysis
- v. To operate and maintain the compressor plant to achieve optimum system availability at all the time
- vi. Contractor shall deploy experienced personnel to operate and maintain the facilities and to meet the above requirement
- vii. To prepare necessary reports and data logs such as equipment availability, outage, daily, monthly, quarterly and annually & diagnosing variations in important critical parameters, corrective measures / actions thus highlighting their effects on equipment

Maintenance activities are as detailed below:

- i. All annual O&M spare parts (regular / breakdown / top overhauling / major overhauling) will be in the scope of Contractor.
 - ii. Round the clock trouble free and safe operation and maintenance of the following equipment as per laid down operating procedures
 - iii. Gas compressors, Gas engine, Electric motor, Cooling system, Overhead makeup coolant tank, Gas line with in the battery limit, Valves, Knockout drums, Separators etc.
 - iv. Instrumentation – PTs, TTs, PGs, FTs, Electronic panels, Control valves, PSVs, flow meters etc.
 - v. Electrical panel / Starter, Air compressor system etc.
 - vi. Gas, condensate handling system and Co2 flooding system, safety related equipments such as gas detectors, flame detectors.
 - vii. Annual Calibration of Gas detectors and flame detectors.
4. 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
 5. Continuous vigil on the condition of running equipment
 6. Preventive maintenance schedule of all the equipment to be followed religiously using genuine OEM / OES spares and to be recorded in logbook



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of BGL at Hyderabad, Vijayawada and Kakinada.**

VOLUME
II OF II

Bid Document No. BGL/429/2018-19

7. Fault finding and troubleshooting of the equipment are carried out and maintain the record of it
8. Schedule maintenance shall normally be carried out during day time general shift, however routine checks and maintenance to be carried out in all the shifts
9. 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 within the CNG station
10. Provide the quality and adequate quantity of lubricating oils and cleaning agent as per OEM recommendations
11. Coordinate calibration of the instruments and maintain records
12. Cleaning of heat exchanger tubes during 4000 Hrs. servicing of gas compressor and whenever required due to operational reason
13. MIS duties – all Checklists, DPRs, Monthly reports miscellaneous correspondence regarding resource requirements and information required by management as and when required
14. Providing resources such as tools, cotton waste etc. as required for operations
15. Providing all personnel with the necessary PPE like Safety shoes, Ear plugs / Ear muffs, Hand gloves, Cotton uniform etc. and ensure that the personnel shall all the time use PPE when they are at site
16. Disposal of empty barrels / burnt oil barrels shall be disposed according to documented procedure
17. All wastes (hazardous, bio-degradable & non-biodegradable) are stored & disposed off as per documented procedure



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of BGL at Hyderabad, Vijayawada and Kakinada.**

VOLUME
II OF II

Bid Document No. BGL/429/2018-19

SECTION 9

SPECIAL CONDITIONS OF CONTRACT



Bhagyanagar Gas Ltd.

BHAGYANAGAR GAS
LIMITED

**Tender for Comprehensive Annual Maintenance Contract
for Gas Engine Driven Chicago Pneumatic Compressors
of BGL at Hyderabad, Vijayawada and Kakinada.**

VOLUME
II OF II

Bid Document No. BGL/429/2018-19

1. General Information:

The special conditions of contract shall be read in conjunction with general condition of contract(GCC), Schedule of rates, scope of work and any other document forming part of contract, wherever Context so Requires. GCC is available at tender issuing office and same shall be referred to by Tendered. Notwithstanding, the subdivisions of the documents in to separate sections every part of each shall be deemed to be supplementary of every other part and shall be read with and into the Contract so far as it may be practicable to do so. Where any portion of the special conditions of the Contract (SCC) is repugnant to or At variance with any provisions of the GCC then provision of SCC shall be deemed to override the provision of GCC only to the extent of each repugnance or variations. In case of any contradictions the Decision of the Engineer-I In-Charge will be final and binding on the Contractor.

In case of contradiction between Indian or other applicable Standards, General Conditions of Contract, Special Conditions of Contract, Specifications, drawings, Schedule of Rates, the following shall prevail in order of precedence:

- i) Letter of acceptance alongwith statement of Agreed variations.
- ii) Fax / Letter of Intent / Fax of Acceptance
- iii) Schedule of Rates as enclosures to letter of acceptance
- iv) Job / Particular Specifications
- v) Drawings
- vi) Technical / Material Specifications
- vii) Special Conditions of Contract.
- viii) General Conditions of Contract
- ix) Indian Standards
- x) Other Applicable Standards

It will be contractor's responsibility to bring to the notice of Engineer-in-charge any irreconcilable conflict in the contract documents before starting the work(s) of making the supply with reference which the conflict exists.

In the absence of any specifications covering any material, design of work(s) in the same shall be performed / supplies / executed in accordance with Standards Engineering Practice as per the instructions / directions of the Engineer-in-charge, which will be binding on the Contractor.

2. Payment Terms:

Monthly running account bills in triplicate subject to carrying out maintenance as per the scope of the work. Payment shall be made from the F&A Dept. of BGL, within 15 days from the date of receipt of the bill. The bill should be submitted along with the copies of all monthly reports like Scheduled/Preventive M&R, statutory testing reports/ calibration reports, service reports etc as necessary duly certified by station In-Charge/ Engineer-In-Charge.

The Final Bill shall be submitted by the contractor within a month from the date of completion of the contract and payment of final bill shall be made to the contractor within 30 days of submission of the bill.



Bhagyanagar Gas Ltd.

BHAGYANAGAR GAS
LIMITED

**Tender for Comprehensive Annual Maintenance Contract
for Gas Engine Driven Chicago Pneumatic Compressors
of BGL at Hyderabad, Vijayawada and Kakinada.**

VOLUME
II OF II

Bid Document No. BGL/429/2018-19

3. Contract Performance Guarantee (Security Deposit):

Vendor shall submit SD/CPBG @ 10% of Order/ Contract Value excl. of taxes & duties within 30 days of FOA/ notification of award.

OR

The Contract Performance Security shall be with Initial Security Deposit (ISD) @ 2.5% of basic contract value and deduction @ 7.5% of the RA bill subsequently from RA bills till the total amount of security deposit (including ISD and deducted amount) reaches 10% of annualized basic contract value (without GST therein) towards faithful performance of the contractual obligations.

The Contract Performance Guarantee will be obtained for a period of 90 days beyond the contract period/ duration and applicable Warranty/ Guarantee /Defect Liability Period (if any).

The Performance security shall be in the form of Crossed Demand Draft/Banker's Cheque or Bank Guarantee in favour of BGL, Hyderabad. Bank Guarantee shall be from any Indian scheduled commercial bank or a branch of an International bank situated in India and registered with Reserve Bank of India as scheduled foreign bank in case of Indian bidder and from any reputed International bank or Indian scheduled commercial bank in case of foreign bidder. However, other than the Nationalized Indian Bank, the bank whose BG are furnished, must be commercial banks having net worth in excess of Rs. 100 crores and a declaration to this effect should be made by such commercial bank either in the bank guarantee itself or separately on a letter head, as per proforma enclosed in the Tender Document.

Failure of the successful bidder to comply with the requirements of this article shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the OWNER may award the order to the next lowest evaluated bidder or call for new bids at its discretion at the risk and cost of the successful Bidder.

4. Indemnity agreement:

Contractor shall exclusively be liable for non-compliance of the provision of any act, laws, rules and regulations having bearing over engagement of workers directly or indirectly for execution of work and the Contractor hereby undertake to indemnify the company against all actions, suits, proceedings, claims, damages demands, losses, etc. which may arise under minimum wages act, payment of wages act, workman compensation act, personnel injury (compensation insurance) act ESI Act, Fatal Accident Act, Industrial Dispute Act, Shops and Establishment Act, Employees Provident Fund Act, Family Pension and deposit Linked Insurance Scheme or any other act or statutes not herein specifically mentioned but having director or indirect application for the persons engaged under this contract. (A certificate to this effect shall be submitted by the Contractor immediately on receipt of LOA/WO).



5. Mobilization Period:

Within Two weeks from the date of award of Work Order or as intimated by Engineer In charge (EIC).

6. Contract Period:

The effective period of the contract (location wise total months given in the SOR) shall starts from the date of handover of site by BGL's Engineer In- Charge.

7. Extension of Contract:

The contract may be extended for a maximum period of six months at the sole discretion of BGL, subject to satisfactory performance of the Vendor during the contract period.

8. Taxes and Duties:

8.1 Income tax at the prevailing rate as applicable from time to time shall be deducted from contractor's bills as per Income tax Act, and quoted rates shall be deemed to include this.

8.2 The contractor agrees to and does hereby accept full and exclusive liability for the payment of any and all taxes, duties including excise duty, octroi etc now in force and hereafter increased, imposed or modified from time to time in respect of works and materials. The prices shall also be inclusive of Sales tax but exclusive of Service Tax on works contract / Trade tax / turnover tax as applicable. Owner shall make from contractors bills such tax deductions as are required as per rules and regulations in force from time to time.

9. Statutory Variation in Taxes & Duties:

9.1 Clause 100.1 of GCC is modified to the following extent.

9.2 The statutory variation in Goods & Service Tax (GST) etc. within the Contractual completion period shall be to Employer's (BGL) account, against submission of the documentary evidence. More details are mentioned in ITB.

10. Recovery:

Cost of any Damage /loss of the property of **BGL**, by the contractor shall be recovered from the Bill / security deposit of the contractor and decision of the **BGL / EIC** in this regard shall be final Binding and conclusive.

11. Right to get services carried out through other Agencies:

Nothing contained herein shall restrict BGL 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. On such occasion BGL may avail services of L2, L3,.....etc. bidders, provided the same L1 rates, terms and conditions are acceptable to them.

13. Safety & Security:

13.1 The contractor shall provide proper cotton dresses (Uniform), safety shoes and to provide safety kit as per requirement. No contractor's personnel shall be allowed on duty without wearing applicable Safety gears. Contractor should also ensure police verification of the personnel before deploying them.

13.2 The contractor shall provide signed photo identification cards for his personnel to be deployed with in **BGL'S** premises. The contractor shall obtain proper gate passes for men/ materials from BGL's Security department.



14. Compliance of Laws:

The bidder shall have PAN, EPF, ESIC and Service Tax Registration Number and shall submit the registration copies at the time of submission of bids.

The Contractor deploying 20(twenty) or more workmen as contract labour shall have to obtain licence from appropriate licensing authority, if required. The Contractor (which shall include the contracting firm/ company) shall be solely liable to obtain and to abide by all necessary licenses from the concerned authorities as provided under the various labour laws legislation's including labour license from the competent authority under the Contract Labour ("Regulation & Abolition") Act 1970 and Acts made thereafter.

The Contractor shall be responsible for necessary contributions towards PF, Family Pension, ESIC or any other statutory payments to Government agencies as applicable under the laws in respect of the contract and personnel deployed by the contractor for rendering services to BGL and shall deposit the required amount with the concerned statutory authorities on or before due dates. The contractor shall obtain a separate PF number from the concerned Regional Provident Fund Commissioner and submit necessary proof of having deposited the employees as well as the employer's contribution to the Provident Fund.

The Contractor shall not engage / deploy any person of less than 18 years under this contract and the persons to be deployed should be physically and mentally fit.

The installation where job is to be carried out are live and have hydrocarbon environment. Contractor shall comply with all safety and security rules and regulations and other rules laid down by BGL for its operation. It shall be the duty / responsibility of the Contractor to ensure the compliance of fire, safety, security and other operational rules and regulations by his personnel. Disregard to these rules by the contractor's personnel will lead to the termination of the contract in all respects and shall face penal / legal consequences.

The Contractor shall arrange for insurance of all this workers engaged on the job as per the relevant Acts, rules and regulations, etc. In case by virtue of provisions of worker's compensation Act, 1923 or any other law in force. BGL has to pay compensation for a workman employed by the Contractor due to any cause whatsoever the amount so paid shall be recovered from the dues payable to the Contractor and / or security deposit.

15. Validity of Quoted Rates:

The Rates Quoted shall remain valid for the entire period of Contract and no escalation whatsoever shall be permissible after award of the contract except for the statutory variation due to Goods & Service tax (GST). Any other taxes and duties are inclusive in the rates quoted by the party and it shall remain firm for the entire period of contract.

16. Rejection of Tender:

16.1 BGL reserves the right to accept or reject any or all tenders and to waive irregularities and Formalities at its own discretion.

16.2 Any attempt for canvassing shall debar the tender resulting in summarily rejection of the tender.

17. Employment Liability of Contractor:



Bhagyanagar Gas Ltd.

BHAGYANAGAR GAS
LIMITED

**Tender for Comprehensive Annual Maintenance Contract
for Gas Engine Driven Chicago Pneumatic Compressors
of BGL at Hyderabad, Vijayawada and Kakinada.**

VOLUME
II OF II

Bid Document No. BGL/429/2018-19

The Contractor shall ensure and will be solely responsible for payment of wages and other dues latest by 7th of the following month to the personnel deployed by him in the presence of the Company's representative.

The Contractor shall be directly responsible and indemnify the company against all charges, claims, dues etc. arising out of disputes relating to the dues and employment of personnel deployed by him.

The Contractor shall indemnify the company against all losses or damages caused to it on account of acts of the personnel deployed by the contractor. The Contractor shall ensure regular and effective supervision of the personnel deployed by him.

The Contractor shall be liable for making good all damages / losses arising out of loss or theft of each handled, leakage, pilferage of any office, furniture equipment fitting and fixtures what-so-ever as may be caused directly or indirectly by the engaged persons through him / work carried out by them.

The Contractor shall, at his own expense, comply with the Model Rules for labour welfare framed by the Govt. / Statutory Authorities under the various labour laws from time to time for the protection of their health, etc. In case Contractor fails to make arrangements as aforesaid, the BGL shall be entitled to do so and recover the cost thereof from Contractor.

The Contractor shall at his own expense arrange for the safety provisions as required by the BGL in respect of all his labour directly or indirectly employed for performance of his obligations under this Agreement and shall provide all facilities in connection therewith. In case Contractor fails to make arrangements and provide necessary facilities as aforesaid, the BGL shall be entitled to do so and recover from Contractor.

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, if applicable and shall pay rates of wages and observe hours of work and conditions of employment according to rules in force from time to time.

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 BGL shall in no event be liable or responsible for any default or non-observance of such laws / rules on the part of the Contractor.

The Contractor shall indemnify and keep indemnified the BGL against any damage and / or injury caused to the premises, or to the properties or to the members of the staff of the BGL through the neglect or default or otherwise of the Contractor.

In case of non-payment of wages by the Contractor to their employees, and on being satisfied that such payments have not been made by the Contractor within the stipulated period as mentioned herein above, the BGL shall have the right to pay the dues to the Contract workmen engaged by the contractor for performing the aforesaid contractual obligations and deduct the amount so paid from the bills submitted by the Contractor.



BHAGYANAGAR GAS
LIMITED

**Tender for Comprehensive Annual Maintenance Contract
for Gas Engine Driven Chicago Pneumatic Compressors
of BGL at Hyderabad, Vijayawada and Kakinada.**

VOLUME
II OF II

Bid Document No. BGL/429/2018-19

That if during the subsistence of the contract, any monetary liability occurs and/or becomes payable by the Contractor and has to be paid by the BGL by order of any authority or under any provisions of any law, the amount of such liability shall be recovered by BGL from the Contractor from the next bill / security deposit, as applicable.

That in case the services are not provided at any time for whatsoever reasons, the Contractor shall make alternative arrangements so as to enable the work to be done satisfactorily at no extra cost to the BGL. If no such alternate arrangements are made, proportionate deductions shall be made out of the contract amount. BGL shall be free to make alternate arrangement, the cost of which shall be recovered from the Contractor's bills. In case of not providing the services on a particular working day, the pro rata deduction would be made from the monthly bill for the aforesaid day.

That any loss, theft or damage to the life and/or property of the employee of the BGL and/ or property of BGL shall be compensated by the Contractor, if the cause of such loss, theft or damage is on account of default, negligence and/or lapses of the employees of the Contractor. Any act of indiscipline / misconduct / theft / pilferage on the part of the employees of the Contractor would be viewed seriously and the BGL will have the right to terminate the contract forthwith without giving any prior notice.



Bhagyanagar Gas Ltd.

BHAGYANAGAR GAS
LIMITED

**Tender for Comprehensive Annual Maintenance Contract
for Gas Engine Driven Chicago Pneumatic Compressors
of BGL at Hyderabad, Vijayawada and Kakinada.**

VOLUME
II OF II

Bid Document No. BGL/429/2018-19

SECTION 10

SCHEDULE OF RATES (SOR)



BHAGYANAGAR GAS
LIMITED

**Tender for Comprehensive Annual Maintenance Contract
for Gas Engine Driven Chicago Pneumatic Compressors
of BGL at Hyderabad, Vijayawada and Kakinada.**

Bid Document No. BGL/429/2018-19

VOLUME
II OF II

**Item: Comprehensive Annual Maintenance Contract for Chicago Pneumatic Compressor Packages
of BGL at Hyderabad, Vijayawada & Kakinada.**

Part – A : Hyderabad CGD area

Sl. No.	Description	Location	Proposed Period	Unit Rate per Month Inclusive of all Taxes & Duties except GST	Total Amount Inclusive of all Taxes & Duties except GST
			(Compressor Months)	(Rs)	(Rs)
			[X]	[Y]	Z=[X*Y]
	<p>Lump sum Charges for Comprehensive AMC for 1200 SCMH CNG On-line Chicago Pneumatic Compressor package consisting of:</p> <p>(a) CNG Compressor: Intermech (Model: NG-1200 E)</p> <p>(b) Gas Engine: Cummins (Model GTA-855-C-BC, 242/227 HP)/CAT (Model G 3306 NA, 203 HP)</p> <p>(c) Air Compressor Ingersoll-Rand (Model 2545, 7.5 HP).</p> <p>Inclusive of all operation and maintenance manpower, spares, consumables, lubricants, any other special services, calibrations, tools and tackles etc.</p> <p>Any other item required for smooth operation of compressor packages not mentioned above is also in the scope of the contractor for the following:</p>				
1	Mother Station, Shamirpet: Compressor–PNA 202422/Cummins Gas Engine- S.No. 25372874	Hyderabad	24		
2	Medchal Depot: Compressor–PNA 102082/CAT Gas Engine-S.No. G6X07482		24		
Total amount inclusive of all Taxes & Duties exclusive of GST in Rs:					
GST @-----%:					
Grand Total amount inclusive of all taxes and duties for SOR PART-A, Rs:					



BHAGYANAGAR GAS
LIMITED

**Tender for Comprehensive Annual Maintenance Contract
for Gas Engine Driven Chicago Pneumatic Compressors
of BGL at Hyderabad, Vijayawada and Kakinada.**

VOLUME
II OF II

Bid Document No. BGL/429/2018-19

**Item: Comprehensive Annual Maintenance Contract for Chicago Pneumatic Compressor
Packages of BGL at Hyderabad, Vijayawada & Kakinada.**

Part – B : Vijayawada & Kakinada CGD area

Sl. No.	Description	Location	Proposed Period	Unit Rate per Month Inclusive of all Taxes & Duties except GST	Total Amount Inclusive of all Taxes & Duties except GST
			(Compressor Months)	(Rs)	(Rs)
			[X]	[Y]	Z=[X*Y]
	Lump sum Charges for Comprehensive AMC for 1200 SCMH CNG On-line Chicago Pneumatic Compressor package consisting of: (a) CNG Compressor: Intermech (Model: NG-1200 E) (b) Gas Engine: Cummins (Model GTA-855-C-BC, 242/227 HP)/CAT (Model G 3306 NA, 203 HP) (c) Air Compressor Ingersoll-Rand (Model 2545, 7.5 HP). Inclusive of all operation and maintenance manpower, spares, consumables, lubricants, any other special services, calibrations, tools and tackles etc. Any other item required for smooth operation of compressor packages not mentioned above is also in the scope of the contractor for the following:	-			
1	Mother Station, Vdpm.: Compressor–PNA 102034/Cummins Gas Engine-S.No.25365035	Vijayawada	24		
2	Mother Station, Vdpm.: Compressor–PNA 102015/Cummins Gas Engine-S.No.25364612		24		
3	Vdpm. Depot: Compressor–PNA 102004/Cummins Gas Engine-S.No.25359763		24		
4	Mother Station, Vakalapudi: Compressor–PNA 102007/Cummins Gas Engine-S.No.25359764	Kakinada	24		
Total amount inclusive of all Taxes & Duties exclusive of GST in Rs:					
GST @-----%:					
Grand Total inclusive of all taxes and duties for SOR: Part-B,Rs:					



BHAGYANAGAR GAS
LIMITED

**Tender for Comprehensive Annual Maintenance Contract
for Gas Engine Driven Chicago Pneumatic Compressors
of BGL at Hyderabad, Vijayawada and Kakinada.**

VOLUME
II OF II

Bid Document No. BGL/429/2018-19

Note:

- 1 In SOR Sl. Nos, the indicated quantities shall be considered for price evaluation purpose. Successful bidder(s) shall comply with the actual requirement (increase/ decrease) of the owner's requirement without any restriction in the same cities and Payment shall be made for the actual quantities executed in the month.
- 2 Quoted price shall be inclusive of all taxes and duties **except Goods & Service Tax(GST)**.
- 3 Bidders should offer complete scope for Part -A or Part -B or both. Part offer of SOR line items in any group or both the Groups shall not be considered.
- 4 Bids shall be evaluated separately for Part -A and Part -B and work order shall be placed separately on the basis of least cost to BGL.

Date:

Signature of the Bidder with Seal