



**TENDER FOR ANNUAL RATE CONTRACT FOR
PROCUREMENT OF ODORANT CHEMICAL, ABSORBENT
AND NEUTRALIZER FOR ODORISING UNITS AT
HYDERABAD, VIJAYAWADA AND KAKINADA FOR THE
PERIOD OF 02 YEARS.
Bid Document No. BGL/613/2024-25**

**VOLUME
II OF II**



**BHAGYANAGAR GAS LIMITED
(A JOINT VENTURE OF HPCL & GAIL)**

BID DOCUMENT FOR

**TENDER FOR ANNUAL RATE CONTRACT FOR
PROCUREMENT OF ODORANT CHEMICAL, ABSORBENT AND
NEUTRALIZER FOR ODORISING UNITS AT HYDERABAD,
VIJAYAWADA AND KAKINADA FOR THE PERIOD OF 02
YEARS.**

UNDER LIMITED DOMESTIC COMPETITIVE BIDDING

Bid Document No. BGL/613/2024-25

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SECTION – 7

SPECIAL CONDITIONS OF CONTRACT (SCC)

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SPECIAL CONDITIONS OF CONTRACT (SCC)

1.0 GENERAL

- 1.1 BGL has been authorized to lay, operate or expand City Gas Distribution Network in the authorized geographical area of Hyderabad , Vijayawada and Kakinada GA's under PNGRB Regulations.
- 1.2 Special Conditions of Contract shall be read in conjunction with the General Conditions of Contract, Scope of Work, Drawings, Schedule of Rates and any other documents forming part of this Contract, wherever the context so requires. Notwithstanding the subdivisions of the document into these separate sections and volumes, every part of each shall be deemed to be supplementary to and complementary of every other part and shall be read with and into the Contract.
- 1.3 Where any portion of the Special Conditions of Contract is repugnant to or at variance with any provisions of the General Conditions of Contract, then unless a different intention appears, the provision of the Special Conditions of Contract shall be deemed to override the provision of the General Conditions of Contract only to the extent such repugnancies or variations in the Special Conditions of Contract as are not possible of being reconciled with the provisions of General Conditions of Contract.
- 1.4 Wherever it is mentioned in the specification that the Contractor shall perform certain work or provide certain facilities, it is understood that the Contractor shall do so at his cost and the Value of Contract shall be deemed to have included cost of such performance and provisions, so mentioned.
- 1.5 The materials, design, and workmanship shall satisfy the relevant Indian Standard, the Job Specifications contained herein and Codes referred to. Where the job specification stipulate requirements in addition to those contained in the standard codes and specifications, these additional requirements shall also be satisfied.
- 1.6 In case of an irreconcilable conflict between Indian or other applicable standards, General Conditions of Contract, Special Conditions of Contract, Specification, Drawings or Schedule of Rates, the following shall prevail to the extent of such irreconcilable conflict in order of precedence:
 - i) Letter of Acceptance/ FOI along with Statement of Agreed Variations.
 - ii) Schedule of Rates as enclosures to Letter of Acceptance
 - iii) Special Conditions of Contract
 - iv) Drawings
 - v) Technical/ Material Specifications
 - vi) Instruction to Bidder
 - vii) General Conditions of Contract
 - viii) Indian Standards
 - ix) Other applicable standards

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- 1.7 It will be the Contractor's responsibility to bring to the notice of Engineer-in-charge any irreconcilable conflict in the contract documents before starting the work(s) or making the supply with reference which the conflict exists.
- 1.8 Prior to submitting the bids, it shall be assumed that the Bidder is fully familiar with the Site Conditions and has conducted thorough studies of the Site with regards to Site Conditions, Climatic Conditions, local labor laws, equipment availability, transport and Communication facilities, space for Temporary Office and quarters and all other factors and facilities and things whatsoever necessary or relevant for performing the Works.
- 1.9 In general, this contract is intended for full Supply and Filling of Odorant - Tertio Butyl Mercaptan (TBM) 80% +Methyl Ethyl Sulfide (MES) 20% and Absorbent and Neutralizer with safety kit for the Odorant injection system (M/s Varicon pumps & systems pvt ltd-make) installed at Hyderabad, Vijayawada and Kakinada GA's of BGL CGD network system .
- 1.10 In the absence of any Specifications covering any material, design of work(s) the same shall be performed/ supplies/ executed in accordance with Standard Engineering Practice as per the instructions/ directions of the Engineer-incharge, which will be binding on the Contractor.

2 SCOPE OF SUPPLY & SITE ACTIVITY

2.1 General

This contract is for Supply and Filling of Odorant - Tertio Butyl Mercaptan (TBM) 80% +Methyl Ethyl Sulfide (MES) 20% and Absorbent and Neutralizer with safety kit for the Odorant injection system (M/s Varicon pumps & systems pvt ltd-make) installed at Hyderabad, Vijayawada and Kakinada GA's of BGL CGD network system.

Supply and commissioning /Testing of Absorbent/Neutralizer for the Odorant injection system installed at Hyderabad, Vijayawada and Kakinada of BGL CGD network system. Also, the contractor has to provide basic arrangements on agreeable terms that may be required in situations of emergencies.

The scope of supply covers design, engineering, manufacture, inspection, testing, supply, shipment and documentation requirements of these items in accordance with the requirements of this Requisition.

The Scope of Supply & Site activity includes: -

- 2.1.1 Supply of odorant liquid/(Tertio Butyl Mercaptan 75%- 80% + Methyl Ethyl Sulfide 20%-25%)
- 2.1.2 Transportation including Transit Insurance (to be arranged by the supplier), Neutralizing agent while filling of the Chemical to the tanks, Toll etc. of odorant liquid/(Tertio Butyl Mercaptan 75%-80% + Methyl Ethyl Sulfide 20%-25%) Small Tank Container from Supplier Warehouse to BGL's mother station at Hyderabad , Vijayawada & Kakinada.
- 2.1.3 Safe Filling of Odorant liquid (Tertio Butly Mercaptan 75%-80% + Methyl Ethyl Sulfide 20%-25%) in BGL's online odoriser storage tank.
- 2.1.4 Supply of Nitrogen cylinder, Connectors, Pressure regulators, Pipe/Hoses, Joint less cables, Hypo, Scrubber for venting, Neutralizing agent for odor destroying of Odorant liquid (Tertio



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Butyl Mercaptan 75%-80% + Methyl Ethyl Sulfide 20%-25%), Safety Gears, Trained Manpower, Suitable Tools & Tackles (Non Sparking), filling procedure, Job Safety analysis, Tool box talk etc. required for safe Odorant liquid (Tertio Butyl Mercaptan 75%-80% + Methyl Ethyl Sulfide 20%-25%) Filling.

- 2.1.5 The scope includes all activities from storage, supply, transportation from contractor storage facility to BGL facility, filling of odorant in odorising system vessel, supply of all associated equipments including absorbent/ neutralizer, venting/ depressurizing of odorising system, disposal of used containers, attending to any emergencies and spillage of the Odorant during the whole process. Basically, the scope covers all activities for supply and safe filling of odorant in the BGL odorising systems.
- 2.1.6 The costs for all the activities herein are deemed to be included in the quoted price. The unit of odorant filled. The quantities of odorant to be supplied are mentioned in Schedule of Rates. See Schedule of Rates (SOR).
- 2.1.7 The Contractor shall supply and fill the odorant along with Absorbent & Neutralizer at the location within one month from the date of intimation from BGL Representative through e-Mail for the approximate quantity of Odorant.
- 2.1.8 BGL shall make payment for the quantity of odorant filled in no additional payments are shall be paid other than against SOR. The quantities of odorant supplied shall be jointly metered and noted down. Calibrated meter along with certificate shall have to be provided by the contractor during filling of odorant.
- 2.1.9 BGL shall have the right to increase the quantities of odorant to be supplied if need arises.
- 2.1.10 The contract period shall be for 2 years from the date of FOA for supply and filling of Odorant and supply of Absorbent with Neutralizer periodically as per the requirement.
- 2.1.11 The capacity of Odorant Cylinder available at site is 400 liters. Whenever, the odorant level reaches to 20%, BGL shall intimate through e-mail, for supply of odorant for required quantity. The supplier needs to supply & fill the odorant within 30 days from the date of intimation. Since the Gas consumption shall be increasing with time, the periodicity of filling the Odorant would be increasing with time.
- 2.1.12 Technical Specifications and Material Safety Data Sheet of ordered Odorant, Catalogue for safe handling of the same and procedure for safe disposal of empty drums should also be provided. The Technical Specifications must be compliant to the industrial standards. Details of Absorbent & Neutralizer shall also have to be provided.
- 2.1.13 The contractor should have a valid Offsite Emergency plan/ Disaster Control Measures in case of accidents. Copy of the same should be made available to BGL.



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S/N	Description	UOM	Total Qty
Part-A. Supply of Odorant liquid at Hyderabad			
1	Supply of Odorant liquid (Tertio Butyl Mercaptan 75%-80% +Methyl Ethyl Sulfide 20%-25%) as per the technical specifications mentioned in the tender document for BGL, Hyderabad	Kg	800
2	Supply of odorant absorbing chemical	Kg	48
3	Supply of odorant Neutralizing chemical	Ltrs	44.2
Part-B. Supply of Odorant liquid at Vijayawada			
1	Supply of Odorant liquid (Tertio Butyl Mercaptan 75%-80% +Methyl Ethyl Sulfide 20%-25%) as per the technical specifications mentioned in the tender document for BGL, Vijayawada	Kg	400
2	Supply of odorant absorbing chemical	Kg	48
3	Supply of odorant Neutralizing chemical	Ltrs	44.2
Part-C. Supply of Odorant liquid at Kakinada			
1	Supply of Odorant liquid (Tertio Butyl Mercaptan 75%-80% +Methyl Ethyl Sulfide 20%-25%) as per the technical specifications mentioned in the tender document for BGL, Kakinada	Kg	500
2	Supply of odorant absorbing chemical	Kg	48
3	Supply of odorant Neutralizing chemical	Ltrs	44.2

2.1.14 HSE Compliance.

After receipt of Odorant liquid at the respective Mother Stations of Hyderabad, Vijayawada and Kakinada; the vendor needs to transfer Odorant liquid safely using all required equipment's, fittings, safety equipment's like SS containers with special fittings etc. in SAFE & SECURE way to the tanks of Online Odorizes.

2.1.15 The Scope of Supply & Site activity shall be as set out at Material Requisition, Data Sheets and Technical Specifications as given in Volume-II of tender document and supplemented by all stipulation in the total tender document.



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2.2 REMARKS

2.2.1 Supplier's Compliance

Supplier shall submit his bid in full compliance with the requirements of this MR and attachments. Bidder shall include the following statement in his bid: Compliance with this material Requisition in any instance shall not relieve the Vendor of his responsibility to meet the specified performance.

2.2.2 Compliance with Specification

The supplier shall be completely responsible for the design, materials, fabrication, testing, and inspection, preparation for shipment & transfer of above material to nominated delivery point strictly in accordance with the MR & all attachments thereto.

3 SPECIAL INSTRUCTIONS TO BIDDERS

3.1 Suitable for the use with natural gas of specific gravity 0.5-0.65

3.2 BGL reserves the right to increase or decrease the quantity of supply item.

4 INFORMATION/ DOCUMENTS / DRAWINGS TO BE SUBMITTED BY SUCCESSFUL BIDDER

Successful Bidder shall submit three copies unless noted otherwise, each of the following:

- 4.1 Inspection & test reports for all mandatory tests as per the applicable code as well as test reports for any supplementary tests, in nicely bound volumes.
- 4.2 Material test certificates (physical property, chemical composition, make etc.) as applicable for items in nicely bound volumes.
- 4.3 Statutory test certificates, as applicable.
- 4.4 All approved drawings/ design calculation/ maintenance/ operating manual documents as well as inspection and test reports for Owner's record in nicely category-wise bound volumes separately.
- 4.5 A list of documents to be furnished along with supply.

5 GUARANTEE/WARRANTY PERIOD:

Not Applicable.

6 SECURITY DEPOSIT/ CONTRACT PERFORMANCE:

6.1 The Contractor shall furnish to the Employer, within 30 days from the date of notification of award, a security in the sum of 10% of the annualized order value (excluding taxes and duties) or 5% of Contract/Order value and balance to be deducted against each RA bills till balance 5% is deducted in the form of Bank draft/ Banker's cheque or Bank Guarantee (as per proforma) as Contract Performance Security which will be valid for 90 days beyond the contract expiry date shall be refunded within 3 months after expiry of Contract Period. GCC clauses related Contract Performance Security is also applicable.

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- 6.2 The contractor shall furnish security deposit equal to one month of Service charges as quoted. Security Deposit should be in the form of Nationalized Bank's Demand Draft drawn in favor of BHAGYANAGR GAS Limited, HYDERABAD or Bank Guarantee in the prescribed proforma in favor of BHAGYANAGR GAS Limited within 30 days from the date of placement of work order. If the contractor fails to furnish the SECURITY DEPOSIT as per the above clause, the same shall be recovered from monthly running bills and the EMD submitted by the successful bidder will be retained by the company till submission of security deposit as per the clause. The Security deposit/bank guarantee shall be liable to the forfeited/invoked in Case of termination of the contract by the BGL under clause No. 17 of the contract.
- 6.3 BGL shall have the right to recover from the security deposit/bank guarantee the balance amount, if any, which could not be recovered from the payments to the contractor under any of the clause of this contract.
- 6.4 The contractor shall be liable to pay further balance of recovery/claim if any, which could not be recovered from the payments to the contractor and/or from the security deposit/bank guarantee.
- 6.5 BGL on the Earnest Money or Security Deposit or performance guarantee furnished by the contractor shall pay no interest.
- 6.6 The Bank Guarantee is towards performance guarantee for satisfactory Performance of contract. The Bank Guarantee should be valid for 3 months beyond the contract period. In the absence of such validity payments of all dues to the contractor will be withheld. On production of performance guarantee, Earnest Money Deposit will be released.
- 6.7 The Security Deposit/bank guarantee, subject to recoveries, if any, shall be refunded to the contractor after the successful completion of this contract.
- 6.8 In case the contractor fails to carry out the job, as per the terms and Conditions of the contract, the security deposit/bank guarantee is liable to be forfeited/invoked, without prejudice to any other right, which BGL may have under this contract or otherwise.

The Bank Guarantee has to be given as per proforma enclosed with the tender

7 TERMS OF PAYMENTS

- 7.1 All bills are to be submitted by the Agency/Contractor for verification and certification by Site-In-charge (SIC) at site.
- 7.2 100% Payment against Invoice shall be paid after receipt and acceptance of supply & filling of Odorant for the certified Quantity.
- 7.3 Payment will be made in 15 days after receipt of bill along with required document by Paying Authority through e-banking.

8 INLAND TRANSIT INSURANCE FOR PROCUREMENT OF GOODS

Bidder shall arrange Transit Insurance and the cost of which shall be borne by bidder. Quoted price shall be inclusive of the same. Bidder will be required to submit documentary proof for the transit insurance before dispatch.

9 PRICE ESCALATION

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The Quoted rates shall be FIRM and valid for the entire duration of the contract till the completion of work and shall not be subjected to any adjustment due to increase in price of material, utilities or any other input for performance of work and the contract except for increase/decrease in taxes and duties on account of subsequent legislation..

10 DIVISION OF ORDER

BGL reserves the right to divide the quantity among more than one bidder at BGL's sole discretion.

11 QUALITY ASSURANCE / QUALITY CONTROL

11.1 The Contractor shall "prepare a detailed quality assurance plan for the execution of Contract for various facilities, which will be mutually discussed and agreed to.

11.2 The Contractor shall establish document and maintain an effective quality assurance outlined in recognized codes.

11.3 The purchaser while agreeing to a quality assurance plan shall mark the stages where they would like to witness the tests, review any or all stages of work at shop/site as deemed necessary for quality assurance.

12 QUANTITY VARIATION

The tendered quantity may vary depending upon the project requirement. BGL reserves the right to decrease/increase the quantity depending upon its requirement.

13 INSPECTION

BGL reserves the right to engage their own personnel and or BGL's Inspection agency. All the charges towards all kinds of tests shall be included in the quoted rates. No additional payment to this effect will be made.

14 DISPATCH INSTRUCTIONS

14.1 Seller shall obtain dispatch clearance from Purchaser prior to each dispatch.

14.2 Copy of Inspection Release Certificate, Dispatch Clearance and Statement showing LR, packing list and weight of material and shipping marks etc. to be submitted along with the dispatch document.

15 REJECTION

15.1 Any materials/goods covered under the scope of supply, which during the process of Inspection, at any stage of manufacture/fabrication, and subsequent stages, prior to dispatch is found not conforming to the requirements/specifications of the Purchase Order, shall be liable for immediate rejection.

15.2 Supplier shall be responsible and liable for immediate replacement of such material with acceptable material at no extra cost to BGL and no extra on the delivery schedule to Employer.

16 PRICE REDUCTION SCHEDULE FOR DELAYED DELIVERY(PRS/LD):

In case of delay in delivery of materials beyond contractually agreed delivery schedule, price reduction schedule will be applicable @0.5% of material (supply portion) value per week of delay or part thereof, subject to ceiling of 5% (five percent) of the total order value. For details, please refer GCC-Goods.

PRS is as per the delivery date mentioned i.e. one month from the date of intimation from BGL



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Representative through e-mail communication.

17 REPEAT ORDER

BGL reserves the right to place a repeat order within six month of expiry of order for up to 50% of order quantities on same rate, terms and conditions.

18 DELIVERY

The delivery of the Odorant liquid shall be at Hyderabad, Vijayawada and Kakinada. The location of the store shall be informed before dispatch of Odorant liquid from factory.

19 Instruction to the Bidders:

- a. The Contractor shall follow the safety procedures, from time to time, specified by BGL in the supply & filling of the odorant. The Agency / contractor shall ensure full and strict compliance with the guidelines, norms, rules, stipulations etc. as may be prescribed by Chief Controller of Explosives (CCOE) Nagpur, Chief Fire Officer (CFO), and any other statutory authorities from time to time in respect of safe handling, storage and supply of the odorant at the site.
- b. After receipt of Odorant at the site, the vendor needs to transfer the same safely using all required equipment, fittings, safety equipment like SS containers with special fittings etc. in SAFE & SECURE way to the tanks of odorising units. Further, the Contractor has to provide for calibrated measuring instruments for measuring the gas supplied with supporting documents/certificates. The supplier shall furnish SOP (Standard Operating Procedure) for Supply & Filling the Odorant at Site along with MSDS (Material Safety Data Sheet) of the Odorant.
- c. The work is to be carried out in "Restricted Area" (i.e. operating area not open for all being hazardous in nature) and Contractor shall work as per the instructions of BGL Representative.
- d. The jobs performed under this contract shall be of full supply with associated services in nature. BGL is not bound to supply of any materials or manpower or service of any sort for execution of the contract.
- e. The Contractor shall arrange at his own cost the boarding, lodging & to and fro transportation for his staff.
- f. The contractor shall liaise/ deal with the local operational issues in consultation with local authorities like police, fire brigade and other concerned authorities to protect the BGL assets in case of emergencies or otherwise if need arises.
- g. The Contractor shall indemnify BGL and every Director, Officer and Employee of BGL against claims, demands, costs and expenses whatsoever arising out anywhere and all



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actions, proceedings, claims, demands, costs and expenses which may be made against BGL for or in respect of or arising out of any failure by the Contractor in the performance of his obligations under the Contract. BGL shall not be liable for or in respect of any demand or compensation payable by law in respect or in consequence of any accident or injury to any workman or other person in the employment of the Contractor or his Sub-Contractor. Contractor shall indemnify and keep indemnified BGL against all such damage and compensation and against all claims, damages, proceedings, costs, charges and expenses whatsoever in respect thereof or in relation thereto.

- h. The Supplier should quote for all the SOR items for entire quantities. Failing which the bid shall be rejected.
- i. BGL shall not provide any facility for storage of Odorant.
- j. Transportation costs including Transit Insurance, Road Toll, Octroi etc. of mentioned odorant along with sufficient absorbent, neutralizing agent, Nose Guard as masking agent & other safety equipments, PPE, etc. from Contractor storage facility to BGL odorising units at respective cities are under contractor scope. The Odorant is to be transported in a suitable vehicle as approved by various required authorities.
- k. The Contractor has to depressurize the odorising system prior to filling of the odorant.
- l. Safe Filling of the newly supplied odorant in BGL online odorant storage tank. The contractor has to arrange for any dosing pump (with Nitrogen) if required. Contractor has to ensure presence of all required value added chemicals in their spillage control kit for precautionary basis.
- m. Supply of Nitrogen cylinder, Connectors, Pressure regulators, Pipe/Hoses, joint less cables, Hypo, Scrubber for venting, Safety Gears (PPE), Trained Manpower, Suitable Tools & Tackles (Non Sparking), filling procedure, Job Safety analysis, Tool box talk etc. required for safe filling of the Odorant.
- n. The whole process starting with supply, transportation, depressurizing/venting and disposal of empty tanks has to be undertaken under the supervision of personnel trained in handling any sort of emergency during the whole process. Proof of training or experience shall have to be provided to BGL.
- o. The contractor personnel have to handle the whole activities independently & completely from start to end. Personnel of Contractor shall abide by the rules & regulations in respect of safety & security of prohibited areas and follow the procedure laid down by customer from time to time.
- p. During filling operations, the requirement of Absorbent / Neutralizer shall be arranged by the Supplier.

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20 Information/ Documents to be submitted by Successful Bidder:

- 20.1 Material test certificates (physical property, chemical composition, make etc.) as applicable for items.
- 20.2 Statutory certificates (for transport vehicles & containers), as applicable.
- 20.3 Filled in Quality Assurance Plan (QAP) for Purchaser's approval.
- 20.4 Calibration reports of the various equipment used (Measuring meters, Pressure gauge, regulator, tubing& fittings etc.)

21 Penalty Clause:

- a. If found that Contractor personnel is not adhering to the requisite procedure for safe supply & filling of Odorant and other materials as per SOR not adhering to Safety Procedures, BGL shall levy penalty of Rs. 5000/- per instance. If a similar instance is repeated, penalty shall be levied at 1.5 times the previous penalty for the similar instance, for each instance.
- b. The bidder must submit the bill/invoice along with the supporting documents within 10 days of filling/supplying the material. Failing which a penalty of Rs. 10,000 per instance and Rs. 100 per day beyond the 10-day period, will be deducted for each instance against late submission of bill/ Invoice.

22 Brief Steps to be followed while filling the Odorant:

- 22.1 Contractor has to isolate all active connections related to odorant storage tank.
- 22.2 Contractor Personnel shall follow all safety points and re-emphasize on emergency measures. BGL may issue safety instruction, which shall be followed by the contractor.
- 22.3 Contractor shall carry out all fittings and necessary connection with proper earthing. Ground clamp should be attached before any fitting is done.
- 22.4 Receiving vessel has to be depressurized fully through scrubbing system. Vent should be passed through multistage scrubbing system, wherein vapour should get neutralized and get masked first before releasing into atmosphere.
- 22.5 Odorant containers should be pressurized with nitrogen cylinder through regulator. Regulator should have low range outlet pressure gauge, to count least flow. Odorant containers should be kept nearer to odorant storage tank, to avoid long flexible hoses.
- 22.6 Effort shall be made to fill all the Odorant ordered in the storage tank. During transferring Contractor Personnel shall monitor the tank pressure and level.
- 22.7 Once filling is complete, all transferring and venting valves are to be closed. The whole filling and scrubbing system is to be dismantled.
- 22.8 Leak test has to be done on any fittings that were opened during the filling process and all leaks, if any, be arrested. After completion of the activity, Site-in-Charge will instruct to resume the odorising system.
- 22.9 Any waste generated (Chemical or other) shall be carried away by the Contractor & no waste disposal shall be made in BGL premises. The area shall be cleaned by the Contractor to its original conditions.



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Section-2 of SCC - Commercial, Labour Laws and Site Requirements

1. Labour

- 1.1. Contractor shall make his own arrangements for the engagement of all labour for doing the work at site or in respect of or in connection with the execution of work as also for the transport, housing, feeding and payment thereof.
- 1.2. Contractor shall provide on the site, adequate supply of drinking and other water for the use of Contractors staff and labour.
- 1.3. Contractor shall not import, sell, give, barter or otherwise dispose of any alcoholic liquor, or drugs, or permit or any such importation, sale, gift, barter or disposal by his subcontractor/ s, his, agents or employees.
- 1.4. Contractor shall not give, barter or otherwise dispose of to any person or persons, any arms or ammunition of any kind or permit the same as aforesaid by his sub- contractor/s, his/their servants, agents or employees.
- 1.5. Contractor shall in all dealings with labour in his employment have due regard to all recognized festivals, days of rest and religious or other customs.
- 1.6. In the event of any outbreak of illness of an epidemic nature, Contractor shall comply with any carryout such regulations, orders and requirements as may be made by the Government, or the local medical or sanitary
- 1.7. Contractor shall at all times take all reasonable precautions to prevent any unlawful, riots or disorderly conduct by or amongst his employees/labour and for the preservation of peace and protection of persons and property in the neighborhood of the works against the same.
- 1.8. Contractor shall pay the labour engaged by him on the work not less than a fair wage, which expression shall mean, whether for time or piece work, rates of wages as may be fixed by the Department of Labour, Government of AP & Telangana as fair wages applicable for Urban Region payable to the different categories of labour or those notified under the Minimum Wages Act for corresponding employees of the Owner/Engineer-in-Charge whichever may be higher.

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- 1.9. Contractor shall notwithstanding the provisions of any contract to the contrary, cause to be paid a fair wage to the labour indirectly engaged by Sub-Contractors in connection with the said works as if the labour had been directly employed by him.
- 1.10. Contractor shall, before he commences the work, display and correctly maintain in a clean and legible condition at a conspicuous place on the site notices in English and in a local language spoken by the majority of the workers, stating therein the rate of wages which have been fixed as fair wages and the hours of work for which such wages are earned and send a copy of such notices to the Owner/Engineer-in-Charge.
- 1.11. Contractor shall maintain records of wages and other remuneration paid to his employees in such form as may be convenient and to the satisfaction of the BGL / Engineer-in-Charge and the Conciliation Officer (Central), Ministry of Labour, Government of India, or such other authorized person appointed by Central or State Government. Contractor shall provide a wage slip for each worker employed on the works.
- 1.12. The wage records and wage slips shall be preserved by Contractor for minimum period of 12 months after the last entry or such time as the BGL /Engineer-in-Charge may fix in that behalf.
- 1.13. Contractor shall allow inspection of the aforesaid wage records and wage slip to the BGL/Engineer-in-Charge at a convenient time and place after notice is received by him from the BGL/Engineer-in-Charge demanding such inspection.
- 1.14. The BGL / Engineer-in-Charge or any other person authorized by him on his behalf shall have power to make enquiries with a view to ascertaining and enforcing due and proper observance of the Fair Wages Clauses. The Owner/Engineer-in-Charge shall also have the power to investigate into any complaint regarding any default made by Contractor or his sub-Contractor in regard to such provision.
- 1.15. The BGL/Engineer-in-Charge shall have the right to deduct from the moneys due to Contractor any sum required or estimated to be required for making good the loss suffered by a worker or workers by reason of nonpayment of fair wage, except any deductions that may be permissible under any law for the time being in force.
- 1.16. Labour Law: Under the provisions of Employees Provident Funds and Misc. Provision Act-

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1952, every employee is entitled to and required to become a member of the PF from the beginning of the month following that in which he completes three-month continuous service or has actually worked for not less than 80 days during the period of three months or less whichever is earlier. Contractor is to fulfill statutory obligations regarding Employees Provident Fund

2. Labour & Statutory Responsibilities of Contractor:

- 2.1. Contractor shall have his own PF code no. with the RPFC as required under Employee PF & Miscellaneous Provisions Act, 1952 and extend benefits of Provident Fund, Employee Deposit Linked Insurance and Employee Pension Scheme 1995.
- 2.2. Contractor shall have his own ESI code No. allotted by Employee State Insurance Corporation (ESIC) as required under Employee State Insurance Act 1948.
- 2.3. Contractor shall submit the Electronic Challans cum Returns (ECR) along with bank receipts/ bank statement on monthly basis for the proof of depositing of PF contribution with Provident Fund Authorities and ESI contribution with ESI Authorities.
- 2.4. Contractor is required to obtain labour license under the provisions of Contract Labour (R&A) Act, 1970 from the office of ALC {Central}, Ministry of Labour, Govt. of India, Andhra Pradesh, Telangana where ever applicable.
- 2.5. Contractor shall discharge obligations as provided under various statutory enactment including the employees Provident Fund and Miscellaneous Provisions Act, 1952, Contract Labour (R&A) Act, 1970, Minimum Wages Act, 1948, Payment of wages act 1936, Workman Compensation Act 1923, Employees' State Insurance Act 1948 and other relevant acts, rules and regulations enforced from time to time.
- 2.6. Contractor shall be solely responsible for the payment of wages and other dues to the personnel, if any, deployed by him latest by 7th day of the subsequent month in the presence of Engineer In- Charge. After disbursement of wages the authorized representative and Engineer-in-charge have to certify the payment of wages to the contract workers and sign the e-banking wage sheet/ bank statement jointly.
- 2.7. Contractor shall be solely responsible and indemnify the BGL against all charges, dues, claim etc. arising out of the disputes relating to the dues and employment of personnel, if any, deployed by him.
- 2.8. Contractor shall indemnify BGL against all losses or damages, if any, caused to it on account of facts of the personnel, if any, deployed by him.
- 2.9. 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.
- 2.10. All personnel deployed by Contractor should be on the rolls of Contractor.
- 2.11. No contract worker below the age of 18 years shall be deployed on the work.
- 2.12. Contractor shall engage supervisors who shall ensure regular and effective supervision and



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- control of the personnel, if any, deployed by him and gives suitable direction for undertaking the contractual obligations.
- 2.13. The personnel to be deputed by Contractor shall observe all security, fire and safety rules of BGL while at the Site/work. His Work/Services will be supervised by the supervisors of contractor. Contractor has to strictly adhere to the guidelines/instructions issued from time to time.
- 2.14. Contractor has to deploy the personnel with no past criminal records. Also Contractor has to provide police verification for all the persons deployed by him.
- 2.15. While confirming to any of these conditions, Contractor should ensure that no law of state regarding labour, their welfare, conduct etc., is violated. Contractor shall indemnify BGL for any action brought against him for violation, non-compliance of any act, rules & regulation of center / state/ local statutory authorities.
- 2.16. All the existing and to be amended from time to time the safety/ fire rules of BGL are to be strictly adhered to.
- 2.17. Contractor shall ensure payment of wages to the personnel employed and meet all statutory obligations of payment as per Minimum Wages act 1948 and payment of wages Act 1936.
- 2.18. Payment of wages to the contract workers must be made through e-banking and duly stamped e- banking wage sheet/bank statement of the bank must be duly certified and signed by both Contractor and EIC, Further, a copy of certified and signed duly stamped e-banking monthly wage sheet/bank statement must be submitted to EIC along with subsequent monthly bill.
- 2.19. In case of accident, injury and death caused to the employee of Contractor while executing the Work under the contract, Contractor shall be solely responsible for payment of adequate compensation, insurance money etc. to the next kith & kin of injured / diseased. Contractor shall indemnify BGL from all such liabilities.
- 2.20. Contractor is required to deposit ESI contributions through banks with ESIC on monthly basis and has to arrange Smart Cards to contract labour engaged by him from the Corporation
- 2.21. Contractor shall not employ or permit to be employed any person suffering from any contagious, loathsome or infectious disease. Contractor shall get examined his employees/ persons deployed from a civil govt. doctor before engagement.
- 2.22. No employees or person of contractor (including contractor) be allowed to consume alcoholic drinks or any narcotics within the Gas Installations. If found under the influence of above, the owner/ BGL will terminate the contract immediately and may refer the case to police.
- 2.23. Contractor hereby agrees to indemnify owner/ BGL and harmless from all claims, demands, actions, cost and charges etc. brought by any court, competent authority / statutory authorities against owner/ BGL.



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**SECTION – 8
TIME SCHEDULE**



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TIME SCHEDULE

S/N	Description	UOM	Total Qty	Delivery period/ Completion period
Part -A Supply of Odorant liquid at Hyderabad				
1	Supply of odorant liquid (Tertio Butyl Mercaptan 75%-80% + Methyl Ethyl Sulfide 20%-25%)as per the technical specifications mentioned in the tender document for BGL, Hyderabad	Kg	800	Within 3 weeks on FOT site basis, from the date of PO/LOI
2	Supply of odorant absorbing chemical	Kg	48	Within 3 weeks on FOT site basis, from the date of PO/LOI
3	Supply of odorant Neutralizing chemical	Ltrs	44.2	Within 3 weeks on FOT site basis, from the date of PO/LOI
Part-B Supply of Odorant Liquid at Vijayawada				
1	Supply of odorant liquid (Tertio Butyl Mercaptan 75%-80% + Methyl Ethyl Sulfide 20%-25%)as per the technical specifications mentioned in the tender document for BGL, Vijayawada	Kg	400	Within 3 weeks on FOT site basis, from the date of PO/LOI
2	Supply of odorant absorbing chemical	Kg	48	Within 3 weeks on FOT site basis, from the date of PO/LOI
3	Supply of odorant Neutralizing chemical	Ltrs	44.2	Within 3 weeks on FOT site basis, from the date of PO/LOI
Part-C Supply of Odorant Liquid at Kakinada				
1	Supply of odorant liquid (Tertio Butyl Mercaptan 75%-80% + Methyl Ethyl Sulfide 20%-25%)as per the technical specifications mentioned in the tender document for BGL, Kakinada	Kg	500	Within 3 weeks on FOT site basis, from the date of PO/LOI
2	Supply of odorant absorbing chemical	Kg	48	Within 3 weeks on FOT site basis, from the date of PO/LOI
3	Supply of odorant Neutralizing chemical	Ltrs	44.2	Within 3 weeks on FOT site basis, from the date of PO/LOI



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**SECTION – 9
TECHNICAL SPECIFICATIONS**

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SPECIFICATIONS OF Odorant Chemical

Odorant for Natural Gas	75-80 % TBM (Tert-Butyl Mercaptan) + 20-25 %MES (Methyl Ethyl Sulphide)
Specific Gravity Kg/m ³	0.808 at 20°C
Physical state	Liquid
Boiling Point	145- 158 °F (63-70°C)
Flash Point (°C)	closed cup: approx. -26 °C (Standard ASTM D 3278)
Water solubility	insoluble at 20 °C
Partition coefficient: n-octanol/water	2-Methylpropane-2-Thiol : log Kow : 2,14 (calculated) Methyl Sulphide : log Kow :1,54 (OECD Test Guideline 107)
Colour	Colorless
Odour	pungent, strong, stinging
crystallization Temp	< -10°C
Cloud point	<-30°C
Density	808 kg/m ³ , at 20 °C (Standard NF 12 185)
Vapour pressure@10 °C	151 hPa
Refractive index	1,427 at 20 °C
Rel. Vapour density (Air=1)	3
Viscosity @ 20°C	0.55 CP
Solubility in other solvents	Soluble in -Alcohols and Ethyl ether
Auto Ignition Temp.	238°C (Standard NF T 60 118)
Decomposition Temp.	450°C
Odor threshold	0.1 ppb
Freezing Point	<-51°F(C<-46°C)
Ol factorythresh old	ppd= 0.1
Flammability (solid, gas)	Ethyl Methyl Sulphide - Lower flammable limit: 1,7 %(Upperflammable limit: 9,6 %(V)
MES	20%

PLEASE NOTE:

- a). This Odorant liquid (Tertio Butyl Mercaptan 75%-80% + Methyl Ethyl Sulfide 20%-25%) is to be used for odorization of Natural Gas for CNG & PNG purposes of City Gas Distribution Projects which are being supplied at our CGS-cum-Mother stations.
- b) The Odorant liquid (Tertio Butyl Mercaptan 75%-80% + Methyl Ethyl Sulfide 20%-25%) is to be supplied in properly designed drums so as to avoid damage during transit, storage and subsequent handling.



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- c) The Odorant liquid (Tertio Butyl Mercaptan 75%-80% + Methyl Ethyl Sulfide 20%-25%) is to be transported in a suitable vehicle as approved by various required authorities.
- d) Test certificate should be submitted along with the un-price part of bid for all the properties listed above.
- e) Material Safety Data Sheet, Catalogue for safe handling of Odorant liquid / (Tertio Butyl Mercaptan 75%-80% + Methyl Ethyl Sulfide 20%-25%) and procedure for safe disposal of empty drums should also be supplied. Also antidote, if any, details may be provided.



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SECTION – 10

SCHEDULE OF RATES (SOR)



**TENDER FOR ANNUAL RATE CONTRACT FOR
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BHAGYANAGAR GAS LIMITED

SCHEDULE OF RATES (SOR)

ITEM DESCRIPTION: TENDER FOR ANNUAL RATE CONTRACT FOR PROCUREMENT OF ODORANT CHEMICAL, ABSORBENT AND NEUTRALIZER FOR ODORISING UNITS AT HYDERABAD, VIJAYAWADA AND KAKINADA FOR THE PERIOD OF 02 YEARS.

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Name of Vendor

Part-A for Hyderabad

Sr. No	Description	UOM	Qty	Unit Price	GST and all applicable taxes	Amount including GST and all applicable taxes (Rs)
1	Supply of Spot Leak 1007/ (Tertio Butyl Mercaptan 75% to 80% + Methyl Ethyl Sulfide 20%-25%) as per the technical specifications mentioned in the tender document for BGL, Hyderabad including transportation and Transfer of odorant liquid into BGL's odouriser tanks using all required fittings, safety equipments etc. for BGL, Hyderabad	Kgs	800			
2	Supply of odorant absorbing chemical	Kgs	48			
3	Supply of odorant Neutralizing chemical	Ltrs	44.2			
Total mount including GST and all applicable taxes and duties (Rs)						

Part B for Vijayawada



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1	Supply of Spot Leak 1007/ (Tertio Butyl Mercaptan 75% to 80% + Methyl Ethyl Sulfide 20% to 25%) as per the technical specifications mentioned in the tender document for BGL, Vijayawada including g transportation and Transfer of odorant liquid into BGL's odoriser tanks using all required fittings, safety equipments etc. for BGL, Vijayawada.	Kgs	400			
2	Supply of odorant absorbing chemical	Kgs	48			
3	Supply of odorant Neutralizing chemical	Lts	44.2			
Total mount including GST and all applicable taxes and duties (Rs)						
Part C for Kakinada						
1	Supply of Spot Leak 1007/ (Tertio Butyl Mercaptan 75% to80% + Methyl Ethyl Sulfide 20% to 25%) as per the technical specifications mentioned in the tender document for BGL, Kakinada including transportation and Transfer of odorant liquid into BGL's odoriser tanks using all required fittings, safety equipments etc. for BGL, Kakinada.	Kgs	500			
2	Supply of odorant absorbing chemical	Kgs	48			
3	Supply of odorant Neutralizing chemical	Lts	44.2			
Total mount including GST and all applicable taxes and duties (Rs)						
Grand Total (A+B+C) amount including GST and All applicable taxes and duties (Rs)						



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Place:

Signature of Authorized Signatory:

Date:

Name:

Designation:

Seal: