



Bhagyanagar Gas
Limited

**Procurement of Remote Methane Leak
Detector/Laser-Based Methane Handheld Detector for
M/s Bhagyanagar Gas Limited**

Bid Document No. BGL/687/2025-26

**Volume
II of II**



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

BID DOCUMENT FOR

**Procurement of Remote Methane Leak Detector/Laser-
Based Methane Handheld Detector for M/s- Bhagyanagar
Gas Limited**

UNDER OPEN DOMESTIC COMPETITIVE BIDDING


Bid Document No. BGL/687/2025-26

Volume II of II

1.0 GENERAL


- 1.1 Special Conditions of Contract shall be read in conjunction with other sections of this RFQ Document and forming part of this Contract wherever the context so requires.
- 1.2 Not with standing the sub-division of the documents 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 within the Contract so far as it may be practicable to do so.
- 1.3 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 include cost of such performance and provisions, so mentioned.
- 1.4 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.
- 1.5 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.
- 1.6 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-in-charge, which will be binding on the vendor.
- 1.7 The SOR quantities shall be delivered as per the consignee address mentioned in Scope of Supply.
- 1.8 The half day training program for the use of instruments shall also be arranged at the above location. No separate charges shall be paid for the training program. It will be a part of the supply.
- 1.9 All the relevant test certificates for the safety items shall be accompanied along with the materials.
- 1.10 The inspection of the safety items shall be done at the point of delivery by the BGL representatives.
- 1.11 Materials will be accepted if it is found ok in all respect. Any supply under this Purchase Order is guaranteed by the supplier to be new and of the best quality obtainable, to confirm in all respects to the terms and conditions stated herein, to be free from faulty design, poor workmanship and/or defective materials, to comply with all applicable standards commonly accepted in the industry.

- 1.12 In case any defect in the supply due to substandard material, poor workmanship, faulty design is observed during inspection and testing or during operation before the expiry of the Guarantee period, the Supplier shall, with all possible speed and at no cost to BGL, replace or repair the supply or any part thereof which in the opinion of BGL is defective due to faulty material, workmanship or design (other than the design specified in detail by BGL) or to any act or omission of Supplier.
- 1.13 If any material is found damaged at the time of delivery same will not be accepted. Bidder has to collect the material from the delivery site at his own cost & supply the fresh item in good condition at the site only. No extra payment shall be done for this.
- 1.14 Bidders are required to quote for full quantity against any/ all items. In case bidder quotes for part quantity the bid for such items shall not be considered.
- 1.15 If any item is found not matching with the specification and/or not accompanied with the relevant test certificates same will be rejected and materials will be returned to the party. Bidder has to collect the material from the delivery site at his own cost & supply the fresh item in good condition at the site only. No extra payment shall be done for this.
- 1.16 Payment shall be done within 30 days of material received & material acceptance at site in good condition along with all the relevant certificates & after completion of on-sight training.
- 1.17 On-sight training should be completed within 07 days of supply.
- 1.18 Vendor has to provide all relevant brochures and manuals/ instruction books along with the material.
- 1.19 The material should be well packed and also provided with carry bags/ cases for easy carrying of the material from one place to another place.
- 1.20 Material specification format to be filled and signed by the authorized signatory of the vendor authorized signatory & Seal.


 Bhagyanagar Gas Limited	<p align="center">Procurement of Remote Methane Leak Detector/Laser-Based Methane Handheld Detector for M/s Bhagyanagar Gas Limited</p> <p align="center">Bid Document No. BGL/687/2025-26</p>	<p align="center">Volume II of II</p>
---	--	--

CONTENTS

SECTION-4	SCOPE OF SUPPLY
SECTION-5	SPECIAL CONDITIONS OF CONTRACT (SCC)
SECTION-6	SCHEDULE OF RATES/PRICE SCHEDULE

 <p>Bhagyanagar Gas Limited</p>	<p>Procurement of Remote Methane Leak Detector/Laser-Based Methane Handheld Detector for M/s Bhagyanagar Gas Limited</p> <p>Bid Document No. BGL/687/2025-26</p>	<p>Volume II of II</p>
--	--	----------------------------

SECTION-4 SCOPE OF SUPPLY

 Bhagyanagar Gas Limited	Procurement of Remote Methane Leak Detector/Laser-Based Methane Handheld Detector for M/s Bhagyanagar Gas Limited Bid Document No. BGL/687/2025-26	Volume II of II
---	---	----------------------------

Bhagyanagar Gas Limited (BGL) has been authorized to lay, operate or expand City Gas Distribution Network in the authorized geographical area of Hyderabad, Vijayawada and Kakinada under PNGRB Regulation 2008.

Bidder has to quote and supply for full quantity SOR quantity else bid shall be liable for rejection.

1. LASER Gas Detector –

Technical Specifications for Remote Methane / Natural Gas Leak Detector(Handheld): BGL seeks to procure LASER type gas detector based upon the Tunable Diode laser absorption spectroscopy technology to measure safely and quickly detecting gas leaks from a distance of min 30 m and above & min 60 m and above. For complete specifications please refer the Technical Specification cum Checklist provided as Annexure-A below in this section


2. Inspections and Tests

- 2.1. Supplier shall furnish all the proof of approval / license from specified authority as per specified standards viz. ATEX/IECEX/equivalent. Internal test/ inspection reports inclusive of accuracy test report for individual LASER gas detector, as per Technical Specification in hard and soft copy to the consignee(s), at the time of supply.
- 2.2. Vendor to demonstrate/provide onsite training for operation of the LASER Gas detector at BGL within 07 days of receipt of the material at BGL Site.
- 2.3. Testing and inspection shall be performed in accordance with but not be limited to the following list of activities:
 - 2.3.1. Visual inspection
 - 2.3.2. Dimensional checking
 - 2.3.3. Functional/Performance testing.

3. SCOPE OF SUPPLY:

04 No of LASER based Methane/ Natural Gas Detector as per the attached Technical Specifications need to be supplied & delivered at the following address

S.no	BGL Consignee Address	Quantity of Gas Detectors
1.	Bhagyanagar Gas Limited, Hyderabad	2
2.	Bhagyanagar Gas Limited, Vijayawada	1
3.	Bhagyanagar Gas Limited, Kakinada	1

 Bhagyanagar Gas Limited	Procurement of Remote Methane Leak Detector/Laser-Based Methane Handheld Detector for M/s Bhagyanagar Gas Limited Bid Document No. BGL/687/2025-26	Volume II of II
---	---	----------------------------

Annexure-A

2.0 TECHNICAL SPECIFICATIONS:

Technical Specification cum Checklist

S.N.	Description	Required Specification	Bidders Confirmation
1	Offered make and model	To be quoted by bidder	
2	Offered Product Detailed Catalogue attached	Enclose the complete product catalogue covering the below technical specifications	
3	Product Services	Methane Natural Gas	
4	Operating technology	Tunable Diode laser absorption spectroscopy	
5	Measurement range	1-99,999 ppm-m (Methane/ Natural Gas density (ppm) X thickness of methane/natural gas travelled by laser (m) ppm-m)	
	Sensitivity	5 ppm-m or better at a distance of 30 meters or above range	
6	Detection Distance	30 meter or better for SOR-1 & 60 meter or better for SOR-2	
7	Auto calibration	Built in self-test and calibration	
8	System fault	Audible tone/Indication	
9	Display	LCD	
10	Methane Detection Alarms	Audible tone Indication when threshold is exceeded	
11	Laer Safety Class:	Detection Class I Indicating Class III	
12	Hazardous Area Classification	ATEX/IECEX/equivalent	
13	Enclosure	Minimum IP 65	
14	Operating temp	-2 to 50 degree C	
15	Humidity	5 to 90% RH	
16	Power supply	Re-chargeable Batteries with charger and the battery can be charged independently.	
17	Battery Backup	Minimum 8 hours of continuous operations on maximum charge	
18	Portable	Yes	
19	Weight inclusive of battery	Up to 800g	
20	connectivity	Bluetooth / via data cable	
21	Add -on Telescopic arrangement	Feature shall be available in the instrument	
22	Guarantee & Warranty	Replacement Guarantee for 24 months from the date of imparting training to BGL personnel at site & Warranty including battery for the supplied items shall be 60 months from the date of shipment.	

Date:

Signature of bidder with stamp

Agreed Terms and Conditions

Sl. No.	Description	Bidders Confirmation YES / NO
1.	Name of the Bidder	
2.	Bidder is quoting in the tender as	DEALER / MANUFACTURER(Pick tick)
3.	Bidder should quote for full quantity	
4.	In case of Manufacturer, the required document as per Bid Evaluation Criteria (BEC)	
5.	In case of dealer, the required document as per Bid Evaluation Criteria BEC (section	
6.	Purchase Order (directly in the name of bidder) copies enclosed in support of requisite experience	
7.	Copies of Certificates from end user, Tax Invoice, Inspection Release Note or any other document for ensuring actual supply of equipment enclosed.	
8.	Technical Brochure of the Equipment enclosed	
9.	Technical Specification cum Checklist sheet completely filled and enclosed.	
10.	Hazardous area classification certificate(s) for the materials offered.	
11.	List of current customers and contact names and phone.	
12.	QA/QC procedures/systems in the bidder's manufacturing processes.	
13.	The Vendor has to Conduct a Half-Day Training Programme / On-Site Demonstration on the Use of Portable / Hand Held Remote Methane Leak Detector along with Detailed Calibration Procedures. The sample gas kit for the same to be arranged by the vendor.	

Note: Bidder to provide catalogue of the supply items. The specifications confirmed above should match with the specifications mentioned in the catalogue.

INSTRUCTION TO BIDDER

1. Bidder must mark "yes" (for acceptance) or "no"(for non acceptance) in the "bidder's confirmation" column of the purchaser's technical document point wise.
2. All the specifications / points must necessarily be filled in. any point left out is deemed as not accepted without any reason thereof.
3. Relevant complete technical literature has to be enclosed for the offered model.

Date:

Signature of bidder with stamp



**Procurement of Remote Methane Leak
Detector/Laser-Based Methane Handheld Detector
for M/s Bhagyanagar Gas Limited
Bid Document No. BGL/687/2025-26**

VOLUME
II OF II

**SECTION- 5:
SPECIAL CONDITIONS OF CONTRACT (SCC)**

1. PRICE REDUCTION SCHEDULE / LIQUIDATED DAMAGES

The price reduction schedule to be made applicable against purchase order with specific completion period. In case the CONTRACTOR fails to complete the WORK within the stipulated period, then, unless such failure is due to Force Majeure as defined in GPC.

In case of delay in delivery of materials beyond the contractually agreed delivery schedule, price reduction schedule will be applicable @ 0.5% of material value for the unsupplied portion per week of delay or part thereof, subject to ceiling of 5% (FIVE PERCENT) of the total order value.

PRS shall be applicable on basic price excluding Goods & Service tax.

2. SECURITY DEPOSIT / CONTRACT PERFORMANCE SECURITY:

SD/CPBG 5% of Total order/Contract value within 30 days of FOA/notification of award.

3. GUARANTEE & WARRANTY:

Replacement guarantee for 24 Months from the date of imparting training to BGL personal at site. Supplier shall replace any defective item immediately within fifteen days of receipt of intimation from BGL.

Warranty including battery for the supplied items shall be 60 months from the date of shipment.

4. DELIVERY LOCATION & ADDRESS OF SITE (Consignee Address)

Each item shall be required to be delivered on door delivery at the following locations as provided in PO/LOA in Hyderabad, Vijayawada & Kakinada.

5. TRANSPORTATION OF ALL MATERIALS FOR SUPPLY:

Transportation up to site and transit insurance (if any) shall be arranged by the contractor on his own and no separate payment shall be paid. It should be included in the offered rates.

6. PRICE ESCALATION:

Awarded rates shall be firm during the entire contract period. no price escalation shall be given to the Vendor.

7. AWARD OF ORDER:

Order shall be awarded to L1 bidder.

8. INSPECTION

Bhagyanagar Gas Limited (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. The charges towards BGL's Inspection agency, if engaged, shall be borne by BGL. BGL may send third party inspector for final inspection of the material at vendor's premises. The vendor shall comply all the observations given by the third-party inspector. The product shall be dispatched only after the dispatch clearance of the third-party inspector.

9. DISPATCH INSTRUCTIONS

Vendor shall obtain dispatch clearance from BGL prior to dispatch. Copy of Inspection Release Certificate, Dispatch Clearance and Statement showing the name of Transporter (copy of LR), description and weight of material and shipping marks etc. to be submitted along with the documents.

10. REJECTION

- a. Any materials / goods covered under scope of supply, which during the process of inspection by appointed third party, at any stage of manufacture / fabrication and subsequent stages, prior to dispatch is found not conforming to the requirements / specifications of the Purchase Requisition / Order, shall be liable for immediate rejection.
- b. Vendor shall be responsible and liable for immediate replacement of such material with acceptable material at no extra cost or impact on the delivery schedule to BGL.
- c. The vendor shall supply material as per specifications.
- d. It will be the responsibility of the supplier to deliver the material to BGL stores. BGL will not coordinate with Courier / transporters for delivery / freight etc.
- e. In case of any deviation in specification of the product or material of the product, prior approval shall be taken from BGL.
- f. The loading, unloading & transportation cost of the material is in the scope of vendor.
- g. In case of any damage to the material during transit, the bidder shall give free repair / replacement.

11. DELIVERY PERIOD:

LASER based Gas detectors need to be supplied/delivered within 03 weeks from issue of Purchase order/Fax of acceptance/WO whichever is earlier. Date of LR shall be considered for date of delivery.

12. PAYMENT TERMS: -

- a) 100% of the total amount shall be released on receipt, acceptance of material at BGL site and within 30 days of successful demo.
- b) The LR, invoice, Inspection and certifications for release of payment shall be done by respective BGL consignee sites.
- c) Payment shall be released only after certification of satisfactory receipt, installation, demonstration, and acceptance by the BGL Site-in-Charge.

13. ACCESORIES:

Each LASER Gas Detector to include the following items:

- a. Soft case -01 No.
- b. Battery Pack-01 No.
- c. Battery charger unit- 01 No.
- d. AC Adapter- 01 No.
- e. Strap- 01 No.
- f. Technical Brochure / Operational Manual - 01 No
- g. Test/Calibration Certificate.

14. MODE OF PAYMENT:


Online transfer by BGL to vendor account.



**Procurement of Remote Methane Leak
Detector/Laser-Based Methane Handheld Detector
for M/s Bhagyanagar Gas Limited
Bid Document No. BGL/687/2025-26**

VOLUME
II OF II

**SECTION- 6
SCHEDULE OF RATES**

 BHAGYANAGAR GAS LIMITED	Procurement of Remote Methane Leak Detector/Laser-Based Methane Handheld Detector for M/s Bhagyanagar Gas Limited Bid Document No. BGL/687/2025-26	VOLUME II OF II
---	---	------------------------

Schedule of Rates						
Sub: Procurement of Remote Methane Leak Detector/Laser-Based Methane Handheld Detector for M/s Bhagyanagar Gas Limited						
Bid Document No. BGL/687/2025-26						
			Name of the Bidder			
S.No	Description	HS N	Quantity (Nos)	Unit Price	GST per unit at 18%	Total Cost
	Methane Gas Detector					
1	Procurement of RMLD TO DETECT METHANE AND METHANE CONTAINING GASES. TECHNOLOGY-TUNABLE DIODE LASER ABSORPTION SPECTROSCOPY, INTRINSICALLY SAFE, MEASUREMENT RANGE-0 TO 99,999ppm-m. DEDICATED RECHARGEABLE BATTERY PACK, Battery charger unit, Ac adapter, Strap, Bluetooth & Operational manual etc, Detection Distance-min 30 mtrs range and above as per scope of work and specification.		03			
2	Procurement of RMLD TO DETECT METHANE AND METHANE CONTAINING GASES. TECHNOLOGY-TUNABLE DIODE LASER ABSORPTION SPECTROSCOPY, INTRINSICALLY SAFE, MEASUREMENT RANGE-0 TO 99,999ppm-m. DEDICATED RECHARGEABLE BATTERY PACK, Battery charger unit, Ac adapter, Strap, Bluetooth & Operational manual etc, Detection Distance-min 60 mtrs range and above and above as per scope of work and specification.		01			
Total Amount including GST (Rs.)						

Sign & Seal of the Bidder



**Procurement of Remote Methane Leak
Detector/Laser-Based Methane Handheld Detector
for M/s Bhagyanagar Gas Limited
Bid Document No. BGL/687/2025-26**

VOLUME
II OF II

- Note:**
- a) Vendor shall strictly follow this SOR format for submission of quote.**
 - b) All applicable taxes and duties to be inclusive excluding GST.**
 - c) Transit insurance shall be borne by Vendor. However, it shall be responsibility of the supplier to ensure that the material is delivered to given address in acceptable condition.**
 - d) Rate shall be all-inclusive of P&F, Freight, transportation etc. (No other charges other than mentioned in SOR shall be paid).**