

 BHAGYANAGAR GAS LIMITED	Procurement of Portable Natural Gas Leak Detector with CH 4 LEL & O2 Sensor at Hyderabad, Vijayawada & Kakinada GA. Bid Document No. BGL/674/2025-26	VOLUME II OF II
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**BHAGYANAGAR GAS LIMITED
 (A JOINT VENTURE OF HPCL & GAIL)**

BID DOCUMENT FOR

**Procurement of Portable Natural Gas Leak Detector with CH 4
 LEL & O2 Sensor at Hyderabad, Vijayawada & Kakinada GA.
 Bid Document No. BGL/674/2025-26**

UNDER OPEN DOMESTIC COMPETITIVE BIDDING

Bid Document No. BGL/674/2025-26

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Sign & Seal of the Bidder

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SECTION 5 : SCOPE OF WORK/ SUPPLY & MATERIAL REQUISITION

Scope of Work / Supply & Material Requisition

a) Scope of Work

1. To Supply of Portable Natural Gas Detector with CH₄ LEL & O₂ Sensor at Hyderabad, Vijayawada & Kakinada GAs.
2. Annual Rate Contract (ARC) for Two years period for calibration of both LEL and O₂ sensor of new supplied gas detectors once in every six months for two years period after six months from the date of supply i.e. 10*4 times = 40 nos. is covered during the two years ARC period.
3. ARC also includes the calibration of LEL sensor only for the existing 06 nos. of gas detectors (Make- Honeywell Multirae Lite PGM6208) once every six months for two years period i.e. 06*4 times = 24 nos. is covered during the two years ARC period.
4. Transportation charges for calibration of both new supplied and existing gas detectors from Hyderabad, Vijayawada and Kakinada shall be in contractor scope.

SECTION 6 : SPECIAL CONDITIONS OF CONTRACT

CONTRACT PERFORMANCE BANK GUARANTEE (CPBG)

The successful bidder shall furnish the Contract Performance Bank Guarantee (CPBG) equivalent to 05 (Five) % of the total FOT order value exclusive of taxes & duties against supply portion including installation and commissioning within a period of 30 Days from the date of issue of LOI/ Purchase Order/Work Order. The CPBG should initially be kept valid for 90 days beyond the guarantee / warranty/ defect liability period.

PRICE REDUCTION SCHEDULE (PRS)

The portion of supply completed in all respect which can be used for commercial operation shall not be considered for applying PRS, if delivered within contractual delivery period. The remaining supplies which are completed beyond the contractual delivery shall attract price reduction schedule @ $\frac{1}{2}$ % of the delayed delivery value per complete week of delay or part thereof.

Contract Schedule:

Contract Validity : Contract shall be valid for 02 years from the date of FOA/WO.

ARC for Calibration: 02 Years from the date of supply

Delivery Schedule:

- a) The vendor has to supply the Portable LEL cum O2 Gas Detector within 6 weeks from the date of Purchase Order.
- b) The bidder has to submit Test Certificates, Samples/Catalogues along with the offer.
- c) **Place of Delivery:**

Portable LEL cum O2 Gas Detector are required to be delivered at the following address as per the requirement:

Delivery Address and Quantity Breakup

DESCRIPTION	UOM	TELANGANA	ANDHRA PRADESH		Total Qty.
		Hyderabad	Vijayawada	Kakinada	
Portable LEL cum O2 Detector	EA	7	2	1	10

- 1. Hyderabad:**
M/s Bhagyanagar Gas
Limited,
Quarter no. 3, HMT Colony,
Opposite to Jeedimetla Police
Station, Shapur Nagar, Jeedimetla,
Hyderabad - 500055.
Ph – 6204727855

- 2. Vijayawada:**
M/s Bhagyanagar Gas Limited,
R.S.No - 70, Kothuru Thadepalli Road,
Near Y.V.Rao Estates, Vidhyadharapuram,
Vijayawada, Andhra Pradesh - 520012,
Ph – 8471879628.

- 3. Kakinada:**
M/s Bhagyanagar Gas Limited,
D.No. 67-1-2, 5
Building Center,
Opposite Pydavari
street, LB Nagar,
Kakinada, Andhra
Pradesh – 533004,
Ph – 9492776549.

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Specification for Portable LEL cum Oxygen Gas Detector.

Sl. No.	Item description	Vendor Comments
1	The gas detector should be compact, handy & suitably accommodated in front shirt pocket basically suitable for use pipeline foot patrolling job (Less than 350 grams) & less than (Depth- 40CM Width -80CM Height- 14CM), rugged, impact resistance, water resistant with high visibility display. The enclosure should prevent spark generation. Make: - Industrial scientific/Dragger/Respo/Honeywell/Crowcon	
2	The detector should have sensor for LEL & Oxygen measurement: 1) LEL (combustible gas): Catalytic, expected life more than 2 years. 2) Oxygen: Electrochemical/Electrolyte expected life more than 2 years. Sensor should be over range protected. The detector should be manufactured recently, not more than six months old.	
3	Range: LEL- 0-100 % LEL (calibrated to methane) resolution 1%, Oxygen: minimum range 0-25 %, resolution 0.1%. LEL levels of alarm: 20 % of LEL (first alarm level). Oxygen level of alarm: Lower than 19.5 % & higher than 23.5 %	
4	Physical parameters: a) Temperature range: -20 to 50 degrees Celsius or above range. b) Humidity range: 15-90 % RH, typical or more/wider range. c) Ingress protection: IP 65 or higher d) Inbuilt pump. e) Display: simultaneous reading for both types of gases (LEL & Oxygen) along with others (e.g. pump operation etc.) f) Fast action, easy to operate type interface. g) Carrying case, ring/belt clip or suitable arrangement for attachment should be provided. h) Should have protection (concussion proof boot etc.) to avoid damage due to fall from height.	
5	Battery & charger: Rechargeable battery (NI-Mh or Lithium-ion) should be used for detector operation. Average usage time with charged battery should be more than 10 hrs. AC main charger unit, battery pack should be provided along with each detector. Charge status indication (charging/charged) should be provided on main charger unit/deck.	

6	Sampling: - Detectors should be provided with an inbuilt/mounted on detector pump with required filters to avoid intrusion of foreign material. It should be able to draw samples from more than 10 M distance with sampling tube. - Detector should be supplied with sampling tube of 10 M and spare filter(s).	
7	Intrinsic Safety: - Intrinsically safe for Zone 0. - CCOE approved for use in Zone 0 hazardous area. Necessary certificates a) ATEX/IECx/UL/CSA for intrinsic safety and b) CCOE for use in hazardous areas should be submitted along with the offer and supply.	
8	Calibration: The instrument to be supplied with factory calibration certificate (methane & oxygen). Zero and span adjustment facility should be provided with a detector. The bidder shall carry out servicing, calibration of the detectors during warrantee period on half-yearly basis at GAIL, Bengaluru at no extra cost. The bidder should give calibration certificate with the supply and after each calibration. Calibration adaptor should be supplied with the instrument.	
9	Alarms: Unit should be equipped with simultaneous visual, vibration, and audible (>85 dBA) alarms & shall warn in the event of a gas alarm condition, low battery, sensor fault & an instrument status alarm. Detectors should show gas alarm level, low battery & pump fail etc. Alarm set-points: The alarm set points (gas monitoring) shall be displayed on startup. Alarm set -points shall be user settable.	
10	Display & Backlight: Large LCD display with backlight. Backlight should automatically illuminate in all alarm conditions (auto with time-out) and can be reactivated by user on demand by button operation.	
11	Warranty: Warranty for at least 2 years from the date of supply/use for the complete instrument including sensors should be provided. Warranty certificates should be sent along with the supply.	
12	Literature/Catalogue: Bidder should mention make and model of offer product. Bidder should send relevant literature, catalogue, technical details/specification of the offered product along with the offer and supply. Operation and maintenance manual, operational accessories should be supplied along with supply.	
13	Bidder shall confirm the point wise specification, deviation if any should be mentioned clearly.	



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LIMITED

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14	Signature & seal of bidder:
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SECTION-7: SCHEDULE OF RATES (SOR)

Bhagyanagar Gas Limited				
Tender Name:- Procurement of Portable Natural Gas Leak Detector with CH 4 LEL & O2 Sensor and calibration for two years ARC at Hyderabad, Vijayawada & Kakinada GA.				
Tender No:- BGL/674/2025-26				
SCHEDULE OF RATES (SOR)				
Bidder Name				
S. No.	Description	Quantity (Nos)	Unit Price	Total Amount
1	Supply of Portable LEL cum O2 Gas Detector having facility to plug various type of Gas detector with inbuilt motorized pump, Rechargeable Battery & Charger at Hyderabad.	7		0
2	Supply of Portable LEL cum O2 Gas Detector having facility to plug various type of Gas detector with inbuilt motorized pump, Rechargeable Battery & Charger at Vijayawada.	2		0
3	Supply of Portable LEL cum O2 Gas Detector having facility to plug various type of Gas detector with inbuilt motorized pump, Rechargeable Battery & Charger at Kakinada.	1		0
4	Annual Rate Contract for Calibration (LEL & O2 Sensors) Services for supplied portable gas detectors (for serial no. 1). Six months after the supply date. Once every six months for 2 years period for at Hyderabad.	28		0
5	Annual Rate Contract for Calibration (LEL & O2 Sensors) Services for supplied portable gas detectors (for serial no. 2). Six months after the supply date. Once every six months for 2 years period at Vijayawada.	8		0
6	Annual Rate Contract for Calibration (LEL & O2 Sensors) Services for supplied portable gas detectors (for serial no. 3). Six months after the supply date. Once every six months for 2 years period at Kakinada.	4		0
7	Annual Rate Contract for Calibration (LEL Sensor only) Services for existing portable gas detectors of Make-Honeywell Multirae Lite PGM6208. Once every six months for 2 years period at Hyderabad.	8		0

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8	Annual Rate Contract for Calibration (LEL Sensor only) Services for existing portable gas detectors of Make-Honeywell Multirae Lite PGM6208. Once every six months for 2 years period at Vijayawada.	8		0
9	Annual Rate Contract for Calibration (LEL Sensor only) Services for existing portable gas detectors of Make-Honeywell Multirae Lite PGM6208. Once every six months for 2 years period at Kakinada.	8		0
Sub Total				0
GST%				
GST (In Rs)				0
Total Amount including GST in Rupees				0

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