

RFQ No.: AGL/HSEQ/METHANE GAS DETECTORS/09/2023  
RFQ for Procurement, Installation and commissioning of 11 Nos. of  
Methane Gas Detectors for DRS at Indore, Pithampur, Ujjain and Gwalior  
Locations.



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

CITY GAS DISTRIBUTION PROJECT IN INDORE,  
UJJAIN, PITHAMPUR & GWALIOR

**REQUEST FOR QUOTATION**

Procurement, Installation and commissioning of 11 nos of Methane Gas  
Detectors for DRS at Indore, Pithampur, Ujjain and Gwalior Locations.

RFQ No.: AGL/HSEQ/METHANE GAS DETECTORS/09/2023

**DOMESTIC COMPETITIVE BIDDING**

**ISSUE DATE: 25.09.2023**

**Important Dates**

Pre-Bid Clarification Duration	<b>25/09/2023 to 03/10/2023</b>
Physical Pre-Bid Meeting at AGL HO	<b>30/09/2023 @ 11:00 Hrs</b>
Last Date & Time of Submission of RFQ	<b>10/10/2023 up to 16.00 Hrs</b>
Date & Time of Opening of Un Priced Bid	<b>10/10/2023 up to 16.30 Hrs</b>

**RFQ (Pages 1 to 6) along with Annexure-1 (SOR):**

Prepared By :

Reviewed By :

Verified By :

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Avantika Gas Ltd. (AGL) is a Joint venture of GAIL & HPCL for implementation of City Gas projects in Indore, Ujjain, Pithampur & Gwalior. AGL is in to distribution of natural gas for transportation, industrial, commercial and domestic consumers.

AGL physical progression in terms of creation of infrastructure is growing day by day and AGL is actively involved in supply of uninterrupted CNG & PNG as a clean fuel for Industrial, Commercial, Domestic and Automotive Sector Consumers at Indore, Ujjain, Pithampur and Gwalior Location.

**1. BID EVALUATION CRITERIA:**

**TECHNICAL CRITERIA:**

The bidder should have Manufactured/Supplied and installed at least six (06) nos. of Methane Gas detection system in the last five years reckoned from bid due date in a single / multiple order.

**Supporting documents/ Special conditions :**

- a) Bidder has to submit a copy of WO/PO/LOI/LOA and its completion certificate/Provisional Completion Certificate (in case of running contract) issued by the client having cross reference to the order of award. In absence of completion certificate, bidder to submit Tax invoice along with Payment Advice having cross reference to order of award.
- b) In case bidder is a manufacturer (OEM), bidder shall provide written declaration in their letterhead stating "Bidder is a regular manufacturer of Methane Gas Detection System".
- c) In case bidder is authorized dealer/supplier, the bidder has to submit copy of valid Authorized Dealership/ Supplier Certificate from OEM.

**Note :** Job executed by the bidders for their own plant / project shall not be considered as experience for the purpose of meeting qualification criteria.

**2. EVALUATION METHODOLOGY:**

- Evaluation shall be done on lowest basis at least cost to the Owner
- If the quoted amount of two or more L-1 ranked bidders are same, then bidder whose turnover as per last filed ITR is more will be considered for award.

**3. TECHNICAL SPECIFICATIONS & SCOPE OF WORK:**

AGL seeks to procure Non Dispersive Infrared (NDIR) based Methane Gas Detectors with technical specifications mentioned in data sheet given below to measure gas leaks from DRS:

SN	Technical Specifications	Description
1	Gas to be detected	Methane-CH4
2	Certification required	BIS, PESO Tested Enclosure
3	Individual Enclosure check & Pressurize Test	As per IEC 60079-1
4	Enclosure	IP-66. The Detector and Hooter should have flameproof enclosure and should be suitable for use in Hazardous Locations.
5	Calibration	Automatic Calibration due alert for easy maintenance
6	Response Time	Should not be more than 30 Seconds
7	Reset button for hooter	Reset button for the hooter should be provided
8	Sound level of hooter	Minimum 80 dB
9	Sensor life	Minimum 12 months
10	Display	Graphical Display with backlight,
11	Indicators	LEDs to Indicate Status of Instrument
12	Mounting	To be mounted over DRS cabinet

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13	Detection Method	Natural Diffusion
14	Detection Range	0% - 100 % LEL
15	Detection Principle	NDIR (Non-dispersive infrared radiation)
<b>Battery Specification</b>		
16	Power Supply	Rechargeable battery (Battery should give power backup to the Gas Detector and Hooter/Siren)
17	Battery power in Ah	7.4V/20.8AH
18	Chemistry:	Lithium ion Rechargeable
19	Nominal Voltage	7.4 Volts
20	Rated Capacity	20.8AH
21	Internal Resistance	25-35mΩ
22	Max. Discharge	2000mA
23	Max. Charging Current:	1500mA
24	Charging Regulated	DC, CCCV 8.4V

**Scope of Work**

**Supply, Installation and commissioning of 11 nos. of Methane Gas Detectors for DRS at Indore, Pithampur, Ujjain and Gwalior locations.**

AGL have total 10 numbers of DRS's at Indore, Pithampur, Ujjain and Gwalior location. Details of the DRS's at each location is given below-

Sr. No	Location	Numbers of DRS	Numbers of Gas Detectors to be installed
1	Indore	6	6
2	Ujjain	1	1
3	Gwalior	2	2
4	Pithampur	1	1

\*Total 10 numbers of NDIR based gas detectors to be installed and one number of Gas Detector to be handed over to AGL.

- The bidder should supply, install and commission NDIR based Methane Gas Detectors at Indore, Pithampur, Ujjain and Gwalior locations. Charger should also be provided with each detector.
- Flash cum Hooter should be supplied with each gas detector.
- The bidder should perform testing after the commissioning of NDIR based Methane Gas Detector in presence of AGL authorized person.
- The bidder should provide training to AGL staff after successful commissioning of Gas Detectors.
- Bidder should provide PESO approval, Ingress Protection certification (IP rating), BIS certification and other explosion proof rating certification of NDIR based Gas detector and flash cum hooter to AGL.
- During installation work if any cutting or drilling job to be done, only non-sparking tool should be used.
- During installation necessary work permit to be obtained by the bidder from AGL authorized person.
- During installation necessary PPE's to be used by workers.

**4. WARRANTY PERIOD**

The Gas Detectors and its associated items supplied by Vendor will be under manufacturer standard warranty period (which should not be less than 12 months from date of commissioning of System). The vendor shall replace/repair the Gas Detectors and its associated accessories supplied by them during warranty period. The Vendor warrants that the items supplied are meeting the specified requirement and will replace/rectify/repair any defective supplied item as

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per the instructions from Owner (AGL). As per standard technical specification, STANDARD on-site warranty will be provided by Vendor to AGL.

**7. SUBMISSION OF QUOTATION:**

PLEASE SUBMIT YOUR MOST COMPETITIVE QUOTATION IN SEALED ENVELOPE COMPLETE WITH ABOVE DETAILS IN SCHEDULES OF RATES(SOR) ATTACHED AS ANNEXURE-1 LATEST BY **10.10.2023 UPTO 16:00 HRS.**

**Quotation Opening Time: 10.10.2023 AT 16:30 HRS.**

Quotation shall be submitted in two parts as under:

**ENVELOPE - 1: UN-PRICED QUOTATION: (Super - scribing Un Priced-Quotation).**

- a. Covering Letter with Bidder's Offer Number (Reference Number).
- b. BEC qualifying documents as per Clause no. 1 specified above.
- c. Copy of SOR with Price Blank marked as "Quoted" against all items  
**(WITHOUT PRICE MARKED AS "QUOTED" ONLY).**
- d. Sealed and Signed copy of RFQ.
- e. Copy of bidder's GST registration certificate & PAN Card.

**ENVELOPE - 2: PRICED QUOTATION: (Super - scribing "Priced Quotation – Not to be opened with Un-Priced Quotation").**

- i. This should contain the Original copy of SOR (Annexure-1) with QUOTED prices.
- ii. Bidder should not modify the format.

**Bidder to note that "Priced Quotation" shall be submitted in sealed separate envelope only. If Priced Quotation is submitted with Un-Priced Quotation / or in Open Condition, then their Quotation shall be liable for rejection.**

All the above are to be enclosed in a Sealed Master Envelope super scripted as – "QUOTATION – NOT TO BE OPENED" Name of the Work and Due Date and shall be submitted to –

Contracts and Procurement Department  
Aavantika Gas Limited  
202 – B, 2nd Floor, NRK Business Park,  
Vijay Nagar Square, A.B. Road,  
Indore (M.P), Pin – 452010  
Contact No. 0731-4222520

**8. COMPLETION PERIOD:**

Completion period including delivery period, installation, commissioning and testing of NDIR based fixed gas detectors shall be Eight (08) weeks from the date of Issue of Purchase Order.

**9. PAYMENT TERMS:**

- 100% (GST Compliant Invoice) Invoice value with taxes and duties will be paid within 15 business working days, after supply, installation and commissioning of Gas Detectors along with hooter/siren at respective location subject to submission of invoice, complete in all respect.
- Payment of Invoices will be certified by EIC (Engineer-in-charge).
- Payment will be made by way of normal banking channels.

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**10. PERFORMANCE BANK GUARANTEE/SECURITY DEPOSIT:**

Within 15 days from the date of award of Purchase Order, the Bidder shall furnish Performance Guarantee in the form of Bank Guarantee to the PURCHASER, for an amount equivalent to 10% of the Purchase Order value (Excluding taxes & duties). Performance Bank guarantee shall be valid for a period of 3 months beyond the expiry of the Warrantee/Guarantee period.

**11. PRICE REDUCTION SCHEDULE:**

In supply contract, the portion of supply completed in all respects 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 the price reduction schedule @ 0.5% per week or part thereof of the delayed delivery value maximum up to 5% of total Purchase Order value (Excluding Taxes and Duties).

**12. APPLICABILITY OF LAW & JURISDICTION:**

The RFQ shall be governed and interpreted in accordance with the applicable laws of India and Courts at Indore (Madhya Pradesh) shall be exclusive Jurisdiction.

**13. OTHER TERMS & CONDITIONS:**

- a) Quotation received after the due date and time, are liable to be rejected. Quotations through Telex / Fax / Photocopied are not acceptable.
- b) AGL reserves the right to accept or reject any or all Quotations received at its absolute Discretion without assigning any reason whatsoever.
- c) Bidders must abide to follow all statutory norms and regulations & labor laws and comply with all as applicable.
- d) The prices once quoted shall not be changed whether resulting or arising out of any subsequent technical / commercial clarifications sought regarding the bid and even if any deviation or exclusion may be specifically stated in the bid.
- e) Bidder is advised to quote strictly as per scope & terms and conditions of bid document and not to stipulate any deviation / exceptions.
- f) The bid shall be liable for rejection in case of change of the proposed manufacturer after submission of bid.
- g) In absence of requisite documents requested by AGL in this Tender, AGL reserves the right to reject the bid without making any reference, what so ever, to the bidder.
- h) The bidder is advised to visit and examine the site of works and its surroundings and obtain for himself on his own responsibility, all information that may be necessary for preparing of the bid and entering into contract. The cost of visiting the site shall be at bidder's own expenses.
- i) At any time prior to the bid due date, Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the Bid documents, by issuing corrigendum.
- j) Any corrigendum thus issued shall be part of the Bid documents and shall be notified in writing by email to all prospective bidders, who have received the Bid documents. Prospective bidders shall promptly acknowledge receipt of each corrigendum by email to the Purchaser.
- k) The Purchaser may, at its discretion, extend the bid due date in order to allow prospective bidders, a reasonable time to furnish their most competitive bid taking into account the amendments issued.
- l) The bid shall remain valid for 60 days from the bid due date. Purchaser may reject a bid which is valid for a shorter period being non-responsive.
- m) Any bid received by the Purchaser after the deadline for submission of bid will be declared "Late" and rejected and may be returned unopened to the bidder at the sole discretion of the Purchaser.

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- n) The Purchaser will open all bids in the presence of Bidders' representatives who choose to attend, at the time, on the date and place. The Bidders' representatives, who are present, shall sign a register evidencing their attendance, if so required by the Purchaser.
- o) During evaluation of the bids, the Purchaser may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted.
- p) The Bidder whose bid is found substantially responsive shall be invited to attend the opening of price bid. Such bidders may be required to attend the price bid opening at a short notice. The place, date and time of price bid opening will be informed to all such Bidders. The Bidders' representatives who are present shall sign a register evidencing their attendance.
- q) **ARITHMETIC CORRECTIONS**
- The bids will be checked for any arithmetical errors as follows if any, will be rectified on the following basis:
  - If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected;
  - If there is a discrepancy between words and figures, the amount in words will prevail;
  - If the bidder does not accept the correction of errors, its bid will be rejected and the bid security will be forfeited.
- r) Guaranty / Warranty certificate for all supplied items to be provided by the bidder.
- s) After verification of the received final product, if any item found faulty or defective than the same will have to be replaced by the bidder without any additional cost implications

**13. ANNEXURES:**

**Annexure-1 (SOR)**

Please submit your most competitive **Quotation in Sealed Envelope** complete with above details in Schedule of Rates (SOR) attached as Annexure-1 latest by **10.10.2023 upto 16:00 Hrs.**