

# AAVANTIKA GAS LIMITED

(A JOINT VENTURE COMPANY OF GAIL & HPCL)

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

REQUEST FOR QUOTATION  
FOR

PROCUREMENT OF PORTABLE MASS FLOW METER KIT

RFQ No.: AGL/65/O&M/Portable Mass Flow Meter Kit/2025

ISSUE DATE: **08.07.2025**

Schedule of RFQ submission at AGL Head Office and other details:

## Important Dates

Last Date & Time of Submission of RFQ	<b>22/07/2025 up to 16.00 Hrs</b>
Date & Time of Opening of Un Priced Quotation	<b>22/07/2025 up to 16.30 Hrs</b>
Date & Time of Opening of Priced Quotation	<b>Will BE Informed Later</b>
For Query / Clarification <b>CONTACT PERSON at Aavantika Gas Limited:</b> 1) Mr. Varender Sharma, Ch Manager: Mobile – 9888925792 / Email: <a href="mailto:varender.sharma@aglonline.net">varender.sharma@aglonline.net</a> 2) Mr. Himanshu Shrivastava, Mngr, Mobile – 9131099726 / Email: <a href="mailto:himanshu.s@aglonline.net">himanshu.s@aglonline.net</a> 3) Mr. Anurag Singh Thakur, Engineer: Mobile – 86006 90470 / Email: <a href="mailto:anurag@aglonline.net">anurag@aglonline.net</a> <a href="mailto:cp@aglonline.net">cp@aglonline.net</a> 0731-4222520	

**RFQ (Pages 1 to 8) along with Annexure-1 (SOR):**

Prepared By :

Reviewed By :

Verified By :

**RFQ No.: AGL/65/O&M/Portable Mass Flow Meter Kit/2025**  
**RFQ FOR PROCUREMENT OF PORTABLE MASS FLOW METER KIT**

Aavantika Gas Limited (AGL) is a Joint venture of GAIL (INDIA) Ltd. & HPCL for implementation of City Gas Distribution (CGD) projects in Indore, Ujjain, Pithampur & Gwalior cities of Madhya Pradesh. Natural Gas is distributed in the form of PNG (Piped Natural Gas) and CNG (Compressed Natural Gas) for domestic, commercial, industrial and automotive sectors.

**Sealed Quotation is sought for Procurement of portable Mass Flow Meter kit (CNG Prover kit) as per following Terms and conditions:**

**1. SCOPE OF WORK AND TECHNICAL SPECIFICATIONS:**

- Vendor to supply Prover kit at any of the AGL locations at Indore, Pithampur & Ujjain location as per the instruction of EIC.
- Third party Inspection by AGL Approved TPI shall be in the scope of Vendor
- Third party Inspection, Transit Insurance, Transportation, carriage and handling etc. shall be in Vendor's scope.
- Bidder shall provide calibration certificate of the prover Kit along with prover kit in hardcopy as well soft copy.
- Bidder shall submit warranty/guarantee certificate of supply of prover kit.

S. No.	PARAMETER	REQUIREMENT SPECIFICATION
1.	Mass Flow Sensor with Transmitter	Mass Flow meter of Emerson Micro Motion™ “CNG 050/E&H or <u>equivalent make</u> to be used with an accuracy of +0.05% or better inclusive of zero-point stability, repeatability, hysteresis.
2.	Warranty requirement	Mass Flow meter with transmitter including all electronic components & enclosure box should be warranted for a period of minimum 1 year.
3.	Prover Enclosure Box	Portable carrying strong casing made up of fibre. The protection cover is watertight, crushproof, and dust proof ideal for lifting and transportation.
4.	Battery	Re-chargeable SMF type suitable for use in Class 1, Division 1 & Zone 1 as per classification given in IS: 5572/2009 for hazardous area. The battery should have a minimum of 4 hours backup provided along with suitable complete battery charger (or) Rechargeable type battery will be provided in Flame proof box. The battery will give minimum 4 hours backup. Battery charger will be provided for charging the battery. Suitable port to be provided on calibration kit for charging the battery along with supply of Battery charger. Battery enclosure shall have necessary certificate from PESO/CMRI
5.	Battery Enclosure	The enclosure for battery shall be of explosion and flame proof suitable for Gas Group II A & II B. (or) Battery will be provided in flame proof enclosure.
6.	Pressure Gauge	Range: 0 – 400 bar
7.	Prover Inlet Process Connections	1. NZS receptacle for Car. 2. NGV receptacle for Bus. 3. Quick connect coupling for LCV Hose.
8.	Prover Outlet Process Connections	1. Quick connect coupling suitable for Car, Bus and LCV Hose. 2. Outlet Hose 3 m long with Quick connect NGV coupling for car dispenser with NGV Nozzle of OPW make. (With Parker or

RFQ No.: AGL/65/O&M/Portable Mass Flow Meter Kit/2025  
RFQ FOR PROCUREMENT OF PORTABLE MASS FLOW METER KIT

		Swagelok make 3 way valve.) 3. Outlet Hose 3 m long with Quick connect NGV coupling for bus dispenser with Bus Nozzle of OPW make. 4. Outlet Hose 3 m long with both ends Quick connect coupling for LCV Hose.
9.	Programmer for Zero Calibration.	Latest calibration software, perpetual license with data logging facility with all connectors, power adapters, batteries and communication cables (1 set for each prover) should be provided. Prover system should be suitable for calibration, proving, configuring the flow meter, etc.
10.	Switch provision required.	Separate switch provision required for Zero point calibration & Totalizer reading reset.
11.	Communication Socket required.	Separate RS 485 communication socket required for configuring flow meter.
12.	Calibration & Approvals	Custody Transfer approval, AGA 11 Conformance certification and Calibration Certificate on water and Natural Gas from accredited test labs with traceability acceptable internationally. Hazardous area compatibility, Weather proof certification i.e. IP67, Material Test, Manufacturer's certification.
13.	Pattern Approval Certificate	Pattern approval certificate from Legal Metrology Department, Govt. of India for Prover model has to be provided.
14.	Documentation	O&M manual with exploded view and part number, Compatibility certificate to use in hazardous area, Calibration Certification, Approval towards custody transfer from Govt. W&M department approved.
15.	Tubing material	SS 316 : Make : Sandvik, Tubacex, Ratnamani and Parker or approved equivalent.
16.	Operating Pressure	250 bar maximum
17.	Drain Valve	Valve to drain out gas within the tubing of calibration kit
18.	Fluid	Compressed Natural Gas
19.	Usage	Calibration for CNG Car & Bus Dispensers
20.	Measuring Principle	Coriolis principle
21.	Max Operating Pressure	250 Barg
22.	Ambient Temperature	-10 to 60 Celsius
23.	Flow Range	0-60 Kg/min
24.	Protection	IP-65 Kg.min
25.	Repeatability	0.3% of Rate
26.	Calibration kit inlet	Quick Release Coupling (QRC) along with NGV receptacle Compatible for CNG Car/Bus
27.	Calibration kit Outlet	Quick Release Coupling (QRC)
28.	Programmer for Zero Calibration	Latest Calibration software having push button switch to zero after every fill. The hardware should be intrinsically safe or to be stored in flame proof enclosure. Wiring for communication and connection to battery shall be intrinsically safe.

**RFQ No.: AGL/65/O&M/Portable Mass Flow Meter Kit/2025**  
**RFQ FOR PROCUREMENT OF PORTABLE MASS FLOW METER KIT**

29.	Communication	RS 485 communication socket to be provided for configuring flow meter.
30.	Hoses	Inlet hoses to be supplied for connecting Cars/ Bus Dispenser to the QRC inlet of Prover kit; Outlet hoses to be supplied for connecting QRC outlet of Prover Kit to Car/Bus along with receptacle, adapters, vent and Nozzle. For Car 3/8" ID hose for 3 to 3.5 M length and for bus 1/2" ID hose of 3 to 3.5 M length to be supplied.
31.	Tubing	Material shall be of SS 316
32.	Power supply input	24V DC No external power input to be required during operation
33.	Calibration	Calibration certificate for each instrument from NPL/FCRI/any Government Laboratory to be provided with a validity of minimum 1 year from the date of goods receipt at site.

**2. BID EVALUATION CRITERIA:**

Sr. No.	Criteria	Required Supporting Documents
1	The Bidder should be an Original Equipment Manufacturer (OEM) OR Authorized Supplier of portable Mass Flow Meter Kit (Prover Kit)	Bidder shall submit the documentary evidence of being Manufacturer OR Bidder shall provide a valid Authorization letter issued by Manufacturer.
2	The Bidder should have manufactured/supplied at least one (01) Nos. Portable mass flow meter kit (CNG Prover kit) of equal or higher capacity (as per the Required Capacity in RFQ) to any Oil & Gas Industry OR kit manufacturing Industry in a single order/contract executed within last 05 years reckoned from the Bid due date	Bidder to submit copy of Purchase Order / Work Order/ Letter of award / Letter of Acceptance and its Completion Certificate / Satisfactory Performance Certificate issued by the client for the offered model.  The Completion Certificate / Satisfactory Performance Certificate should have cross reference to the PO / WO. In absence of Completion Certificate / Satisfactory Performance Certificate, bidder to submit Inspection Release Note acknowledged by Delivery Challan (having cross reference to WO/PO) OR Tax Invoice along with Payment Advice having cross reference to WO/PO.
3	The bidder shall provide after sale service as and when required by client	Bidder shall provide confirmation on their Letterhead for providing after Sales services including supply of Spares for minimum 05 years on reasonable charges basis on mutually agreed & justifiable rates as and when required from the date of supply of mass flow meter kit (CNG Prover)
4	The Bidder should have Valid certification pertaining to Approval from Department of Legal Metrology, P & ID, Testing certificate of associated fittings along with PESO/ATEX certification	Bidder shall submit valid certificate of approval issued by Department of Legal Metrology (Government of India) for offered Model of mass flow meter kit (CNG Prover). Bidder shall submit P & ID, Valid calibration certificate, Testing certificate of associated fittings along with PESO/ATEX certification

**In absence of requisite documents, AGL reserves the right to reject the bid without making any reference, what so ever, to the bidder.**

**3. EVALUATION METHODOLOGY:**

- 3.1 Evaluation shall be done on overall lowest Basis at least cost to the Purchaser.
- 3.2 If the quoted amount of two or more L-1 ranked bidders are same, then items will be awarded to that L-1 bidder whose Turnover as per Last Audited Balance Sheet will be higher.

**4. SUBMISSION OF QUOTATION:**

**PLEASE SUBMIT YOUR MOST COMPETITIVE QUOTATION IN SEALED ENVELOPE COMPLETE WITH ABOVE DETAILS IN SCHEDULES OF RATES(SOR) ATTACHED AS ANNEXURE-2 LATEST BY 22.07.2025 UPTO 16:00 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. 2 specified above.
- d. Sealed and Signed copy of RFQ Document.
- 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

**5. DELIVERY PERIOD:**

The delivery period shall be 08 weeks from the date of issuance of Purchase Order.

**6. PAYMENT TERMS:**

100% payment will be made within fifteen (15) days upon Delivery & Acceptance of material at site/AGL warehouse and submission of invoice duly certified by Engineer-In-Charge along with following documents.

- (i) Invoice in duplicate.
- (ii) Inspection release note by owner or his appointed or approved agency.
- (iii) GR/LR in original.
- (iv) Packing List.
- (v) Insurance cover note covering transit insurance.

- (vi) A certificate from manufacturer that the all items/ equipment under supply including its component or raw material used with manufacturing are new and confirm to the tender requirement. In case manufacturer is not the contractor, the contractor owning overall responsibility will duly endorse this certificate.
- (vii) Calibration Certificate.
- (viii) Material Test Certificate.
- (ix) Guarantee/Warranty certificate.
- (x) Vendor to submit the PBG of 10 % of Order value, this shall be released after Completion of Warranty Period.

#### **7. SECURITY DEPOSIT / PERFORMANCE BANK GUARANTEE:**

Within 15 days from the date of award of Order, the Bidder shall furnish Performance Guarantee/Security Deposit in the form of Bank Guarantee/DD/Cheque to the PURCHASER, for an amount equivalent to 10% of Order value (Excluding taxes & duties). Performance Bank guarantee shall be valid for a period of 3 months beyond the expiry of the warranty period of One (01) year.

#### **8. PRICE REDUCTION SCHEDULE (PRS):**

In supply contract/order, 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 Order value.

In case of delay, the invoices shall be submitted after deducting the price, as above, due to delay. However, PRS shall not be applicable, in case the delay is for the reasons beyond Contractor's control, to be established by EIC (Engineer-in-charge).

#### **9. WARRANTY PERIOD**

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

#### **10. SPECIAL CONDITIONS:**

- a) AGL reserves the right to change the Place of Delivery within the jurisdiction of Indore & Ujjain, Pithampur before delivery of items, at any time, as per requirement.
- b) Quality checking will be done by the M/s AGL Authority. No payment shall be made for the goods rejected due to deficient quality.
- c) On repeated defaults of Prover kit, then the contract is liable to be cancelled at the risk and cost of the contractor.
- d) Payment of all kinds of Government taxes or duties will be the liability of the contractor.
- e) The contractor shall abide with all local/municipal/state/central laws and regulations.
- f) Any liability under any Act or Statute shall be of the contractor and under no circumstances shall purchaser assume responsibility.
- g) The brand, serial number and date of manufacturing shall be written on the Prover kit.

- h) Vendor shall submit a third-party testing report of prover kit without any extra cost.
- i) PURCHASER reserves the right, within 6 months from issuance of Purchase order to place repeat order up to 100% of the total purchase order value without any change in unit price or other terms and conditions on mutual agreement basis.

**11. 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.

**12. OTHER TERMS & CONDITIONS:**

- a) The offer should remain valid for 3 months from the bid due date / extended due date of tender.
- b) 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.
- c) Bidder is advised to quote strictly as per scope & terms and conditions of bid document and not to stipulate any deviation / exceptions.
- d) Purchaser reserves the right to accept or reject any or all bids received at its absolute discretion without assigning any reason, whatsoever.
- e) Bids complete in all respects should reach on or before the BID DUE DATE AND TIME. Fax / Telegraphic/ E-Mail bids shall be rejected.
- 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) 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.
- i) 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.
- j) 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.
- k) 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.
- l) 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.
- m) 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.
- n) ARITHMETIC CORRECTIONS
  - I. The bids will be checked for any arithmetical errors as follows if any, will be rectified on the following basis:



- II. 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;
  - III. If there is a discrepancy between words and figures, the amount in words will prevail;
  - IV. If the bidder does not accept the correction of errors, its bid will be rejected and the bid security will be forfeited.
- o) Quotation received after the due date and time, are liable to be rejected. Quotations through Email / Telex / Fax / Photocopied are not acceptable.
  - p) Bidders must abide to follow all statutory norms and regulations & labor laws and comply with all as applicable.
  - q) Guaranty / Warranty certificate for all supplied items to be provided by the bidder.
  - r) 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.

Please submit your most competitive **Quotation in Sealed Envelope** complete with above details in Schedule of Rates (SOR) attached as Annexure-1 latest by **22.07.2025 upto 16:00 Hrs.**