



Vadodara Gas Limited
Replies to Bidder's Queries - Additional

SUBJECT: Procurement of 80,000 Nos. of Domestic Diaphragm Meter on ARC for a Period of 02 Year

TENDER NO.: VGL/CO/C&P-PNG/BD202507P232_RI Dated 09/12/2025 & **TENDER ID:** 251542.

Sl. No.	Sec. No.	Page No.	Clause No.	Subject	Bidder's Query	VGL's Reply
1	Section-V	4 of 46	Technical Specification – Domestic Gas Meters	7. All Meters shall have an in-built reverse flow & reverse count restrictor. The end connection shall be protected by Plastic caps.	As per technical specification the inbuilt reverse flow is required whereas in data sheet only reverse counter is mentioned. Please confirm which feature is required.	As per the Technical Specification, in-built reverse flow prevention along with reverse count restrictor is required. This requirement shall prevail over the data sheet. The bidder shall comply accordingly.
2	Section-V	12 of 46	Data Sheet - Notes	Reverse Flow Deterrents - Reverse count restrictor to be provided. Reverse rotation of the index is not allowed.		
3	Section-V	5 of 46	Inspection, Testing and Quality Assurance	The Vendor shall provide a calibration certificate and accuracy at MAOP of the Domestic Gas Meter for the following flow rates (As per EN 1359 latest / OIML): Qmin, 0.1Qmax, Qmax	As per the standard and industry practice the accuracy testing is being done at operating pressure (20 to 30 mBar) and not at MAOP, whereas leak testing will be done at 1.5 times of MAOP - Max allowable operating pressure (0.5 bar X 1.5= 0.75 bar), Pl. Accept	Accuracy testing shall be carried out at operating pressure (20–30 mbar) as per applicable standards, whereas leak testing shall be conducted at 1.5 times MAOP. The same is acceptable.
4	Section-V	12 of 46	Data Sheet - Notes	2. The Vendor shall provide a calibration certificate and accuracy at MAOP of the meter for flow rates of Qmax, Qmin, and 0.1 Qmax. The model approval should be from FCRI or DVGW or equivalent authorities.		
5	Section-V	5 of 46	Inspection, Testing and Quality Assurance	Review of calibration certificates for all the measuring instruments at the time of inspection, i.e., used for checking and testing, along with the Master calibration certificate of the measuring instruments from which the instruments are calibrated.	As per our understanding, we use the sonic nozzle as the master, and hence the calibration certificate of the sonic nozzle will be submitted as the master certification during TPI. Please accept.	Acceptable
6	Section-V	9 of 46	Packing And Shipment	The box containing the individual gas meter shall contain the details of the installation and servicing operating instructions, and the same shall be written in the English language. They shall include all relevant information and the following in particular: - Instruction manual and Test certificates - Installation, Operation and servicing - Mounting position & instruction - The maximum and minimum operating temperatures - Maximum operating pressure	We will provide consolidated calibration certificate/report for all supplied gas meter in scanned/pdf copy during dispatch and all other information to be mentioned in Operating manual (hard copy) with in the master box Please accept	Not acceptable. As per the tender, individual calibration certificates for each gas meter shall be provided and enclosed with the respective package box. Consolidated certificates are not permitted.
7	Section-V	12 of 46	Data Sheet - Notes	REFERENCE STANDARDS b) Meters shall have EU Directive 2004/22/EC (MID) certificate. c) Conformance certificate shall be submitted. The meter shall be tested in line with its compliance with the test requirements of EU Directive 2004/22/EC (MID) as per EN1359 (Latest) standard (or latest standard). The	We will comply with Gas meters G1.6 certified under EU Directive MID 2014/32/EU, as Directive 2004/22/EC has been revoked and replaced by 2014/32/EU, which is the current and legally valid MID certification. Kindly confirm.	Confirmed



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				certificate shall be submitted to VGL along with the Bid conforming to the fact that the meters are tested with respect to the test procedures indicated in MID and found OK.		
8	-	-	-	Regarding W&M Gazette on Stamping Charges (Dated 23rd Oct 2025)	This is to bring to your kind attention the fact that we have noted the publication of the Weights & Measures (W&M) Gazette dated 23rd October 2025, concerning the revised stamping charges. As this new rule is coming into enforcement, necessary arrangements related to stamping need to be made. In this regard, the Bidder requires further clarity from CGD to ensure compliance and proper implementation. We request you to kindly review the matter and provide the necessary clarification on how to proceed further.	The bidder doesn't need to quote for the stamping charges separately along with the price bid. However, the statutory compliances shall be as per the tender document.
9	-	-	New Clause	-	<p>W&M Stamping and verification: There is new Gazzete No. CG-DL-E-25042025-262652 Dated 21-April-2025 and Gazzete No. CG-DL-E-24102025-267111 Dated 24-October-2025 has been published by Legal Metrology, MINISTRY OF CONSUMER AFFAIRS, FOOD AND PUBLIC DISTRIBUTION.</p> <p>According to this gazette any new gas meter manufactured and supplied to CGDs after 1st September 2025 has to have approval from Legal Metrology with its stamping. As per the Gazette Notification dated 24th October 2025, a statutory fee of Rs. 500 per meter will apply for verification and stamping.</p> <p>Further to which Legal Metrology Department has invited manufacturers / vendors / labs to get their lab registered with Legal Metrology. We have also submitted application on legal Metrology portal to get our lab approved and for obtaining GATC (Government Approved Test Centre) approval from the Department of Legal Metrology.</p> <p>The evaluation of our application is under process with Legal Metrology, and we expect central / state LMD officials to visit and inspect our calibration lab / facility shortly.</p> <p>After the inspection Legal Metrology Department will grant the GATC authorization to our calibration lab for the verification, and stamping of Gas Meters. Once GATC approval is granted, verification and stamping shall be carried out for each meter from our facility prior to dispatch, in full compliance with the above mentioned Gazzete.</p> <p>We request M/s VGL to review the Gazzete. and understand that VGL will get all the meter verified as per the Gazzete with a statutory fee of Rs. 500 / Meter. This amount will be additional to the meter price</p>	The bidder doesn't need to quote for the stamping charges separately along with the price bid. However, the statutory compliances shall be as per the tender document.



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					quoted in the bid / VGL's order. Request you to review above and provide your positive response.	
10	Scope of Supply [SScope of Supply [SOS] & Technical	89/131	Technical Specification – Domestic Gas Meters	All Meters shall have an in-built reverse flow & reverse count restrictor. The end connection shall be protected by Plastic caps.	We understand that both reverse flow and reverse count restrictors are required with meter. Kindly confirm	As per the Technical Specification, in-built reverse flow prevention along with reverse count restrictor is required. This requirement shall prevail over the data sheet. The bidder shall comply accordingly.
11	SCC	72	Terms Of Payment	100 % payment within 60 Days of raising of the Invoice value with taxes and duties will be paid progressively after adjustment against PRS and against submission of invoice (as per GST Act/ Law) in triplicate along with: 1. Invoice in compliance with GST law in force and Purchase Order No. 2. Test Certificates from Govt. Authorized Lab 3. Inspection release note/ Third Party Inspection (TPI) Clearance certificate 4. Copy of ARC/ Purchase Order 5. Original GR/LR 6. Packaging List 7. Warrantee/ Guarantee Certificate 8. Copy of CPBG against Security Deposit	We request you to kindly change the payment term as - 100% payment within 30 days of raising invoice in place of 60 days as it is standard industry practice.	Tender Conditions Prevail.
12	Inspection, Testing and Quality Assurance	90/131	Inspection, Testing and Quality Assurance	The Vendor shall provide a calibration certificate and accuracy at MAOP of the Domestic Gas Meter for the following flow rates (As per EN 1359 latest / OIML): Qmin, 0.1Qmax, Qmax	As per the standard and industry practice the accuracy testing is being done at operating pressure (20 to 30 mBar) and not at MAOP, whereas leak testing will be done at 1.5 times of MAOP. Request you to kindly review and accept	Accuracy testing shall be carried out at operating pressure (20–30 mbar) as per applicable standards, whereas leak testing shall be conducted at 1.5 times MAOP. The same is acceptable.
13	Packing And Shipment	94/131	Packing And Shipment	The box containing the individual gas meter shall contain the details of the installation and servicing operating instructions, and the same shall be written in the English language. They shall include all relevant information and the following in particular:- Instruction manual and Test certificates-Installation, Operation and servicing- Mounting position & instruction- The maximum and minimum operating temperatures- Maximum operating pressure	We will provide consolidated calibration certificate/report for all supplied gas meter in scanned/pdf copy during dispatch and all other information to be mentioned in Operating manual (hard copy) with in the master box Please accept	Not acceptable. As per the tender, individual calibration certificates for each gas meter shall be provided and enclosed with the respective package box. Consolidated certificates are not permitted.
14	-	-	W&M Stamping	-	Bidder Query 1 W&M Stamping As per the Legal Metrology (General) Rules, 2011 and the Legal Metrology Act, 2009, the stamping and verification of measuring instruments are to be undertaken by the State Legal Metrology Department where the instrument is installed and placed into commercial use. Since the final installation and custody of the meters will rest with TNGCL in the	The bidder doesn't need to quote for the stamping charges separately along with the price bid. However, the statutory compliances shall be as per the tender document.



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					<p>State of Tripura, the stamping activity falls under the jurisdiction of the Tripura State Legal Metrology Department</p> <p>The responsibility for verification and stamping is stated below:</p> <p>Section 24: Verification and Stamping of Weight or Measure Every person having any weight or measure in his possession, custody or control in circumstances indicating that such weight or measure is being, or is intended or is likely to be, used by him in any transaction or for protection, shall, before putting such weight or measure into such use, have such weight or measure verified at such place and during such hours as the Controller may, by general or special order, specify in this behalf, on payment of such fees as may be prescribed.</p> <p>Section 14: Appointment of Controller and LM Officers State Government appoints the Controller & Inspectors, who execute verification and stamping responsibilities</p> <p>Hence The Legal Metrology Act clearly places the authority of stamping, verification, enforcement, inspection and seizure of weights & measures under the jurisdiction of the State Legal Metrology Department (via Section 14 & Section 24)</p> <p>In view of the above regulatory framework, the stamping activity and charges should appropriately fall under VGL scope</p>	
15	-	-	Cyclic Volume	-	<p>The G1.6 Domestic Gas Meter is a revenue-generating asset for CGD companies, which, once installed, typically remain in service for a period of 10 years or more. Therefore, it is critically important to select a meter with an appropriate cyclic volume to ensure sustained metrological accuracy, operational stability, and long-term reliability throughout its defined service life (as per applicable Gazette notifications).</p> <p>For diaphragm-type domestic gas meters of capacity G1.6, a cyclic volume of 0.9 dm³ or above is widely adopted in accordance with established international design norms and prevailing industry practices. This cyclic volume is essential to ensure both mechanical and metrological stability of the meter over its entire operational life.</p> <p>A cyclic volume within this range provides the following technical advantages:</p> <p>Optimal measurement accuracy across the full</p>	<p>Not acceptable. As per the tender, the cyclic volume is specified as "minimum" and shall comply with EN 1359:2017 requirements. The bidder shall offer meters meeting the applicable standards and performance criteria. No specific minimum value such as 0.9 dm³ is stipulated in the tender, and no deviation is envisaged.</p>



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					<p>operating flow range. Stable performance at low flow rates, which is critical for accurate registration of minimum and transitional flows commonly encountered in domestic usage. Long-term mechanical reliability, achieved by minimizing excessive mechanical stress, wear, and vibration of internal components, thereby ensuring consistency of performance over time. If the cyclic volume is reduced to below 0.9 dm³, the mechanical loading on internal components increases significantly. To maintain durability and reliability under such conditions, the meter would require high-tensile, high-durability metallic materials (comparable to advanced metallic grades such as titanium), which are not feasible with conventional non-metallic materials typically used in domestic diaphragm meters. When non-metallic components are used with a reduced cyclic volume, the meter may exhibit reduced stability, increased sensitivity to pressure and flow fluctuations, higher mechanical wear, and degradation of accuracy, particularly at low flow rates. These factors can adversely impact on the meter's long-term performance and field reliability. In view of the above technical considerations, we respectfully request that the cyclic volume for the G1.6 Domestic Gas Meter be specified and accepted as 0.9 dm³ or above, in the interest of ensuring accuracy, durability, and reliable revenue measurement for the CGD network</p>	
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Note: This Replies to Bidder's Queries as uploaded on n-Procure & VGL's Website. Please upload the same duly Sign and Seal with Techno-Commercial Bid as this is an Integral Part of the Tender.