



Vadodara Gas Limited
Replies to Bidder's Queries

SUBJECT: Procurement of Commercial Smart Meter on Annual Rate Contract (ARC) Basis for Period of Two Years.

TENDER NO.: VGL/CO/C&P-PNG/BD202604P311 Dated 15/05/2026 & **TENDER ID:** 305428.

Sl. No.	Page No.	Clause no.	Subject	Bidder's Query	VGL's Reply																		
1	14	Bidder's Eligibility Criteria	<p>The bidder must have supplied a minimum of below-mentioned quantities to an established CGD company or other hydrocarbon industries under a single order in the last seven years reckoned from due date of bid opening.</p> <table border="1"> <thead> <tr> <th>Item No.</th> <th>Description of Commercial Smart Meter</th> <th>Minimum quantity requirement for BEC Qualification</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>G 4</td> <td>25 Nos.</td> </tr> <tr> <td>2</td> <td>G 6</td> <td>38 Nos.</td> </tr> <tr> <td>3</td> <td>G 10</td> <td>38 Nos.</td> </tr> <tr> <td>4</td> <td>G 16</td> <td>25 Nos.</td> </tr> <tr> <td>5</td> <td>G 25</td> <td>38 Nos.</td> </tr> </tbody> </table>	Item No.	Description of Commercial Smart Meter	Minimum quantity requirement for BEC Qualification	1	G 4	25 Nos.	2	G 6	38 Nos.	3	G 10	38 Nos.	4	G 16	25 Nos.	5	G 25	38 Nos.	<p>As per standard practice in the City Gas Distribution (CGD) industry, experience of supply of higher size Gas Meters is accepted, provided that the cumulative quantity supplied is equal to or greater than the tender requirement. This demonstrates proven capability in handling larger capacity meters.</p> <p>We request VGL to kindly accept and consider experience of supply of higher size Gas Meters in the required quantity as valid experience for meeting the eligibility criteria.</p>	Tender Condition Prevails
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1	G 4	25 Nos.																					
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2	72	Terms of Payment	<p>100 % payment within 60 Days of raising the invoice for the supplied material along with all taxes & charges will be paid on submission of following documents:</p> <ol style="list-style-type: none"> 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. Acceptance Copy of ARC & Part Purchase Order (if any) 5. Original GR/ LR 6. Packaging List 7. Warrantee/ Guarantee Certificate 8. CPBG against security Deposit. If already submitted copy of the same. 9. Letter of undertaking for providing data hosting for period of 5 years on non-judicial Stamp Paper. 	<p>As per standard CGD industry practice, the standard payment terms are as follows: 100% payment within 30 days from the date of submission of invoice for supplied material along with all applicable taxes & charges, subject to submission of the following documents:</p> <ol style="list-style-type: none"> 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. Acceptance Copy of ARC & Part Purchase Order (if any) 5. Original GR/ LR 6. Packaging List 7. Warrantee/ Guarantee Certificate 8. CPBG against security Deposit. If already submitted copy of the same. 9. Letter of undertaking for providing data hosting for period of 5 years on non-judicial Stamp Paper. <p>We kindly request VGL to accept the above standard payment terms in line with prevailing CGD industry practice.</p>	Tender Condition Prevails																		
3	72	Delivery Period	<p>The Delivery Period shall be 12 Weeks from the date of award of any Part Purchase Order.</p>	<p>We would like to inform you that the item under procurement, i.e., Commercial Smart Gas Meter, to the best of our knowledge, not currently manufactured in India. These meters are manufactured in Europe and require significant production lead time along with international shipping duration.</p>	Tender Condition Prevails																		



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				In view of the above, we request VGL to kindly consider and accept a delivery period of 16–20 weeks from the date of Purchase Order to ensure timely and compliant supply. We request VGL to kindly accept the proposed delivery schedule.	
4	72	Guarantee/Warranty	The manufacturer shall provide guarantee for material, workmanship and performance for a period of 12 months from the date of commissioning or 24 months from the date of dispatch whichever is earlier. Any defects noticed during guarantee period should be rectified and replaced free of cost. Where replacement is involved, to and fro freight charges etc. will be your account. The replaced item should have a guarantee of six months from date of replacement or the remaining period of main guarantee, whichever is later. This should be specifically dealt with in your offer.	We request you to kindly accept the guarantee as per standard CGD practice, i.e., 12 months from the date of commission or 18 months from the date of supply, whichever is earlier. As per standard practice being followed by all CGD entities, this is a widely accepted and reasonable warranty period that ensures operational reliability without imposing undue burden on suppliers. We request VGL to Kindly accept the same.	Tender Condition Prevails
5	73	Inspection	Vadodara Gas Limited reserves the right to engage their own personnel and VGL's inspection agency. All the charges for all kinds of tests shall be included in the quoted rates. No additional payment to this effect will be made. The charges towards VGL's Inspection Agency, if engaged, shall be borne by VGL.	We would like to clarify that the requirement is for Commercial Gas Smart Meters, which, to the best of our knowledge, are not currently manufactured in India. These meters are manufactured in Europe, and all functional tests, including 100% accuracy tests, are conducted at the overseas manufacturing facility in compliance with EN1359. In view of the above, we request VGL to kindly confirm acceptance of Third-Party Inspection (TPI) as per the approved Quality Assurance Plan (QAP) under the following approach: • 100% functional and accuracy tests will be conducted at the manufacturing facility. • Relevant test documents will be submitted to VGL for review. • Based on the review of these documents, dispatch clearance may be granted by VGL. Requesting VGL to kindly confirm acceptance of the same.	Tender Condition Prevails
6	88	Technical Specification	Meter reading counters and housing assembly should be tampered proof should be break open type and attempt to tamper with the counters/housing assembly should lead to stoppage of gas flow through the meter or break open the meter body.	Based on our review of the tender documents, we understand that the requirement is for a mechanical meter equipped with AMR (Automatic Meter Reading) facility. There is no mention of Prepaid Meters (with valve function). Further, mechanical meters inherently do not have a shut-off valve. Consequently, in case of tampering, gas flow will not be automatically restricted. Request you to kindly clarify the same.	Confirmed
7	88	Technical Specification	Meters should be designed to display the corrected reading in SCM (Standard Cubic Meters) or should be equipped with the required provisions for the same.	Based on our review of the tender documents, we understand that the requirement is for measurement and reporting of the corrected volume of gas. We request VGL to kindly confirm whether corrected volume of gas is required under this tender.	Corrected volume is required from Meter. Tender condition prevails



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8	89	Datasheet for Smart Gas Meters	Pressure Drop: - G4: 2 mbar G6: 2 mbar G10: 2 mbar G16: 2 mbar G25: 2 mbar	<p>We would like to inform you that as per EN 1359:2017, the pressure drop for diaphragm gas meters should be:</p> <ul style="list-style-type: none"> - Less than 2 mbar for meters up to G10 rating - Less than 3 mbar for meters above G10 rating <p>These parameters are in accordance with international standard EN 1359:2017 and widely accepted by CGD entities across India.</p> <p>Requesting VGL to kindly accept the same.</p>	Accepted
9	89	Datasheet for Smart Gas Meters	Accuracy: - ±3% (Qmin to 0.1 Qmax) ±1.5% (0.1 Qmax to Qmax)	<p>We would like to inform you that, as per standard CGD practice and global norms, calibration and accuracy testing is not performed at 0.1 Qmax, as this point marks the transition of the permissible error curve from ±1.5% to ±3%, according to metrological standards.</p> <p>Testing at 0.1 Qmax does not provide meaningful accuracy data and is not used internationally for calibration purposes. Instead, the next logical and stable test point, 0.2 Qmax, is universally accepted and followed by all accredited metrology laboratories.</p> <p>In view of the above, we request VGL to kindly consider the following flow rates for Calibration and Accuracy Testing:</p> <p>Qmin, 0.2 Qmax, and Qmax</p>	Bidder should follow OIML R137 testing point requirement
10	89	Datasheet for Smart Gas Meters	8-Digit mechanical indexes – Units in m ³ . Index shall be provided with sealing arrangements to avoid tampering.	<p>We understand that the requirement is for Smart Commercial Gas Meters which are manufactured as per international standards and equipped with digital index (LCD display with user-friendly icons). We have supplied a substantial quantity of such meters both in India and globally.</p> <p>The proposed Smart Gas Meter meets all functional and technical requirements and is proven in the field with successful installations across various CGD networks in India and abroad.</p> <p>We request VGL to kindly accept the same.</p>	Digital display is Accepted
11	89	Datasheet for Smart Gas Meters	Back-run Alarm: Meter Should Generate Alarm on Web- Application in case of tampering or back flow condition.	<p>We would like to inform the Reverse Flow Restrictor (RFR) is a purely mechanical device and does not generate any electronic feedback signal. As such, integration for alarm generation is technically incompatible and not feasible with this equipment.</p> <p>We request you to kindly accept this technical limitation and confirm that alarm generation for RFR is not required under this tender.</p>	Tender condition prevails. Smart Meter sensors should have the capability to generate alarm incase of reverse flow. Same is required on HES of smart meter
12	90	Datasheet for Smart Gas Meters	End Connections: G6 to G25: 1” BSPT (Threaded) Inlet and Outlet Connection. (In case the end connections are differing, bidder to provide suitable	As per global industry practice for commercial diaphragm gas meters, ISO 228 threaded connections in mild steel material are widely used and accepted. The typical connection sizes used across	Accepted, however bidder shall supply adaptor to comply end connection as per tender



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			adapters of Brass to meet the specified end connections)	<p>global markets are as follows:</p> <ul style="list-style-type: none"> • G4 – 1¼” ISO 228 connection • G6 – 1¼” ISO 228 connection • G10 – 1¼” or 2” ISO 228 connection • G16 – 2” ISO 228 connection • G25 – 2½” ISO 228 connection <p>We request VGL to kindly confirm acceptance of the above-mentioned ISO 228 standard threaded end connections for the respective meter sizes.</p>	
13	90	Datasheet for Smart Gas Meters	End Connections: G6 to G25: 1” BSPT (Threaded) Inlet and Outlet Connection. (In case the end connections are differing, bidder to provide suitable adapters of Brass to meet the specified end connections)	<p>We request VGL to kindly confirm, in case the end connection differs from the specification, whether:</p> <ul style="list-style-type: none"> – Two-piece adaptors (Threaded Nipple + Swivel Nut) are required, or – Single-piece adaptor (Threaded Nipple) will be acceptable. <p>Requesting VGL to kindly confirm the Type and MOC of the adaptor.</p>	Two-piece adaptor
14	90	Datasheet for Smart Gas Meters	The meters quoted should be supplied with inbuilt AMR solution and GPRS module with SIM cards for uploading the meter data into cloud server. SIM cards for GPRS module shall be supplied by the Bidder's.	<p>We would like to inform you that as per standard CGD industry practices and advancements in technology, NB-IoT and GPRS are widely accepted communication technologies.</p> <p>NB-IoT is considered a more advanced technology due to its lower power consumption, which significantly increases the battery life cycle of Smart Gas Meters.</p> <p>NB-IoT and GPRS are proven, reliable, and commonly adopted technologies across various CGD networks in India. Their inclusion will ensure longer meter life and better network efficiency.</p> <p>We request VGL to kindly accept NB-IoT and GPRS as acceptable communication technologies.</p>	Both NB-IOT & GPRS are accepted
15	89	3.0 Data Sheet for Smart Gas Meters	Environment Protection: Mechanical Environment M2 & Electronic Environment E2	<p>We comply with Mechanical Environment M1 & Electronic Environment E2. We kindly request you to accept these environmental classifications for the Line Item we are quoting, as they fulfill the required operational and environmental conditions for the G4 category gas meters.</p>	Confirmed
16	92	13.0 Brief Scope of Supply/Services	Data transmission by GPRS.	<p>We suggest and propose the use of NB-IoT communication due to its low power consumption, extended battery life, and superior network coverage, especially suitable for gas meters which typically operate on battery. NB-IoT is also a secure and future-ready technology supported by telecom operators. Kindly confirm acceptance of NB-IoT communication for the intended application along with GPRS. Please note that NB-IOT is also SIM-based communication technology provided by service providers like Jio & Airtel, like GPRS</p>	NB-IOT & GPRS both are accepted



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17	92	13.0 Brief Scope of Supply/Services	Hardware for server. Server should be OPC compliant. Cloud server is accepted.	We shall provide standard industry communication protocol for the line item (G4) we are quoting for. So, we suggest keeping OPC compliance optional. Please accept sir.	Accepted. However, Bidder to provide undertaking to share meter communication protocol & support for integration with third party HES at end of 5 years to VGL
18	93	14.0 Amr Requirements (If Not Inbuilt)	PESO/CCOE Nagpur certification shall be provided.	We understand that applicable safety requirements for such metering applications are adequately addressed through internationally recognized certifications - ATEX certification, which we will provide. ATEX comprehensively meets the required safety standards and supersedes the PESO certification, hence we understand that ATEX should be acceptable. However, if CGD persists, we shall provide an undertaking regarding its non-availability and will submit the same as and when required by the statutory authority.	PESO is mandatory, Tender condition prevails
19	94	16.0 Detailed Scope of Services	READING: BIDDER to upload the meter reading data every day at 6am to VGL's dashboard. BIDDER will be penalized in case failing to upload the reading data complete in all respect and on schedule as per penalty clause mentioned in PENALTY clause.	We suggest that meter should capture and transmit reading data at each midnight crossover (00:00 hrs.) instead of 06:00 AM, as the chances of highest availability of the network are at midnight at 12 AM which increases the data availability at server.	Tender Condition Prevails
20	88-89	1.0 Codes & Standards 3.0 Data Sheet for Smart Gas Meters Governing Standard	Gas Meters OIML R137, EN 1359 +A1 or equivalent ISO 14511 Diaphragm Meter: EN 1359:1999 + A1 Amendment 2006 or latest Thermal Meter: OIML R137-2 & ISO 14511 RPD Meter: EN12480 EVC: EN12405	As Thermal Mass Flow Meters are also permitted in the tender, we understand that the applicable standard for such meters is EN 17526:2021 (Thermal Mass Flow Gas Meters). Accordingly, may please include EN 17526 standard (Thermal mass flow)	Both EN-17526 & ISO 14511 is accepted
21	-	QAP	Degree of Protection	Kindly confirm submission of valid Type Test Certificates is acceptable in lieu of conducting 10% routine testing as specified in the QAP	Tender Condition Prevails
			Pneumatic leak test	We perform 100% Pneumatic Leak Testing on all units, and the results are recorded as Pass/Fail. Kindly confirm acceptance of this approach.	Tender Condition Prevails
			What are the requirements in Functional test? Suppliers shall submit their own Detailed QAP and meter index format Duly Signed and Stamped	No specific test report format or detailed requirements for Functional Testing are mentioned. We can provide Accuracy TC. Kindly clarify the exact scope, parameters, and document required for Functional Testing. For this specified we will share our detailed QAP for your review and approval.	Functional test includes pneumatic test, AMR communication test and Flow & Volume test on calibration bench
22	92	3.0 Data Sheet for Smart Gas Meters	End Connections	We request you to kindly specify end connection for G4 Smart Gas Meters	End connection of 1" required for all meters. Bidder may use adaptors to achieve same
23	14	Bidder's Eligibility Criteria	Valid approval certificate for compliance of the offered model of gas meter to the requirements of OIML R137/ EN 1359/ISO14511/EN12480/EN12405 along with MID approval from FCRI/DVGW/ BG or equivalent along with the Bid to qualify BEC.	May please include EN 17526 standard (Thermal mass flow)	Both EN-17526 & ISO 14511 are accepted
24	32	Instructions to Bidders [ITB]	Deviation to terms and conditions of "Bidding Documents" may lead to rejection of bid	To enable more participation, make in India product, better technical performance we would request to please accept comments/ clarifications regarding the specifications for better understanding & smooth execution of the project.	Tender Condition Prevails



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25	73	Special Conditions of Contract	Deductions shall apply as per following formula: In case of delay in delivery of equipment/materials or delay in completion, total contract price shall be reduced by 1/2 % (half percent) of the total contract price per complete week of delay or part thereof subject to a maximum of 5% (five percent) of the total contract price	May please amend the clause as: Deductions shall apply as per following formula: In case of delay in delivery of equipment/materials or delay in completion, penalty of 1/2 % (half percent) of the Undelivered Portion per week of delay or part thereof subject to a maximum of 5% (five percent) of the Purchase order price will be levied	Tender Condition Prevails
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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.