

**CORRIGENDUM #3****TENDER FOR SUPPLY OF COMMERCIAL & INDUSTRIAL METERS AND REGULATORS****Tender No : IGL/ET2/CP/CP17817, Dated 14.12.2023**

VCS Ref. No. VCS/C&P/17028/PC/C&I METER/14

Owner: Indraprastha Gas Ltd.

Consultant: VCS Quality Services Pvt. Ltd.

Date: 05.01.2024

Sl. No.	Tender Page No.	Clause/ Para/ Section	Description	Amendment/ Addition/ Modification/ Deletion	
COMMERCIAL VOLUME					
1	49 of 111	GCC Clause No. 20.0	GUARANTEE / WARRANTY	Addition in SCC	Clause No. 20.0 of GCC is being modified as New Clause No. 25.0 in SCC, Refer Attached Annexure - 1
2	13-14 of 111	IFB Clause No. 8.1	Technical BEC	Ammendment in IFB	Clause no. 8.1 of IFB is being ammended (4th Column Heading of Technical BEC), Refer attached Annexure-2
3	17 of 111	IFB Clause No. 9.1	BID SECURITY/EARNEST MONEY DEPOSIT (EMD)	Ammendment in IFB	Clause no. 9.1 of IFB is being ammended, Refer attcahed Annexure-3
TECHNICAL VOLUME					
1	—	Technical tender	QUALITY ASSURANCE PLAN FOR GAS METERS Document No.: 1068-CGD-IC-QAP-001-01 Rev: 1	Modification	Please refer Annexure-A for revised QAP i..e Hydro / Pnuematic Testing & Functional Testing alongwith EVC and AMR of gas meter.
2	—	Technical tender	Technical Volume II of II Standard Specification For Gas Meter DOC. NO: VPC-SPC-5601, Rev No: 03	Modification	Please refer Annexure-B for revised Pages of Standard Specification of Clause no. 8.1 & 6.5 for Gas Meter & Gas Regulator respectively.

Note: All other Term & Conditions of the Tender shall remain unchanged

Clause No. 20.0 of GCC has been modified as New Clause in SCC

25.0 GUARANTEE / WARRANTY / SERVICES

Vendor shall guarantee and warranty that the complete scope of supply shall be safely and reliably meet all the requirements of this company Specification.

Generally, the Vendor shall provide warranty support for a period of 24 months from the date of supply or 36 months from the date of manufacturing. Warranty shall apply to defective material workmanship and facility design. The cost of correction / replacement of any warranty items shall be borne **(Including TO & FRO transportation charges of meter)** by the Vendor.

During Guarantee/Warranty period vendor/trader/manufacture shall be liable to repair the damaged meter/regulator within 2 weeks of the date of intimation by IGL.

The job specifications / data sheets shall be referred for any specific warranty / guarantee.

25.1 Penalty during Warranty/Guarantee shall be as per the following Clauses

Vendor must rectify the defective material, faulty material within the prescribed time after fault/defect occurrence intimation and failing to get fault/defect rectified shall be attract a penalty as the following:

After 2 weeks from lodge of complaint by Client to vendor – 1% of the cost (INR) of the item Per Week thereafter and maximum upto per unit rate of particular item.

Clause No. 8.1 of IFB has been amended**8.0 BIDDER EVALUATION CRITERIA (BEC)****8.1 TECHNICAL**

- 8.1.1 The bidder should have designed, manufactured, tested and successfully supplied, at least below mentioned quantities of Gas meters / Regulators (with the outlet pressure & flow capacity in case of regulators/ G-rating in case of meter) in compliance with applicable codes and standards, directly to any City gas distribution company / Hydrocarbon pipeline company/ Hydrocarbon piping plant in previous 7 years reckoned from the date of floating of e-tender.

Sl. No.	Description	Regulator Pressure & Flow Capacity/ Meter Rating	Minimum Qty. should have been Supplied (in Nos.)
1.	SMART GAS METER (Thermal/ Diaphragm/ Ultrasonic) G-4 WITH EVC,NRV & AMR	Gas meter (Diaphragm/ Thermal/ Ultrasonic) of G-4 or higher	10
2.	SMART GAS METER (Thermal/ Diaphragm/ Ultrasonic) G-6 WITH EVC,NRV & AMR	Gas meter (Diaphragm/ Thermal/ Ultrasonic) of G-4 or higher	10
3.	SMART GAS METER (Thermal/ Diaphragm/ Ultrasonic) G-10 WITH EVC,NRV & AMR	Gas meter (Diaphragm/ Thermal/ Ultrasonic) of G-4 or higher	10
4.	SMART GAS METER (Thermal/ Diaphragm/ Ultrasonic) G-16 WITH EVC,NRV & AMR	Gas meter (Diaphragm/ Thermal/ Ultrasonic) of G-4 or higher	10
5.	SMART GAS METER (Thermal/ Diaphragm/ Ultrasonic) G-25 WITH EVC,NRV & AMR	Gas meter (Diaphragm/ Thermal/ Ultrasonic) of G-4 or higher	10
6.	G-10 RPD METER WITH NRV, EVC & AMR, #150	RPD meter of G-10 or higher	29
7.	G-16 RPD METER WITH NRV, EVC & AMR, #150	RPD meter of G-10 or higher	50
8.	G-25 RPD METER WITH NRV, EVC & AMR, #150	RPD meter of G-10 or higher	50
9.	G-40 RPD METER WITH NRV, EVC & AMR, #150	RPD meter of G-10 or higher	48
10.	G-65 RPD METER WITH NRV, EVC & AMR, #150	RPD meter of G-10 or higher	40
11.	RPD METER G-100 WITH NRV,EVC & AMR #150	RPD meter of G-10 or higher	20
12.	RPD METER G-160 WITH NRV,EVC & AMR #150	RPD meter of G-10 or higher	8
13.	RPD METER G 100 WITH NRV AND WITHOUT EVC & AMR	RPD meter of G-10 or higher	2
14.	RPD METER G-160 #150 WITH NRV AND WITHOUT EVC & AMR	RPD meter of G-10 or higher	2

Sl. No.	Description	Regulator Pressure & Flow Capacity/ Meter Rating	Minimum Qty. should have been Supplied (in Nos.)
15.	RPD METER G-250 #150 WITH NRV AND WITHOUT EVC & AMR	RPD meter of G-160 or higher	1
16.	RPD METER G-400 #150 WITH NRV AND WITHOUT EVC & AMR	RPD meter of G-160 or higher	1
17.	RPD METER G-650 #150 WITH NRV AND WITHOUT EVC & AMR	RPD meter of G-160 or higher	1
18.	RPD METER G-1000 #150 WITH NRV AND WITHOUT EVC & AMR	RPD meter of G-160 or higher	1
19.	REGULATOR 300 MBAR/50M3/HR-FLANGED END	Outlet Pressure-300 mbar or higher and flow rate-6m3 /hr or higher	40
20.	REG DIRECT ACT 2.0bar/30cum/hr (SERIAL)	Outlet Pressure-500 mbar or higher and flow rate-25m3 /hr or higher	40
21.	REG DIRECT ACT 2.0bar/50cum/hr (SERIAL)	Outlet Pressure-500 mbar or higher and flow rate-25m3 /hr or higher	40
22.	REGULATOR, DIRECT ACTING-2.0 BAR/100 CUM	Outlet Pressure-500 mbar or higher and flow rate-25m3 /hr or higher	40
23.	REGULATOR, FLANGE-END - 2.0 BAR/150 CU.M	Outlet Pressure-500 mbar or higher and flow rate-25m3 /hr or higher	21
24.	REGULATOR, DIRECT ACTING-2 BAR/250 CU.M	Outlet Pressure-500 mbar or higher and flow rate-25m3 /hr or higher	9

8.1.2 If the manufacturer does not sell his products directly but through his dealer/distributor/subsidiary, then the manufacturer can authorize agency(s) to submit the bid in which agency will be considered as a bidder. Therefore, in such a case the manufacturer shall have the prime responsibility of providing unconditional technical and after sales support to the purchaser. A latest confirmation by the manufacturer to this effect shall be submitted by the bidder along with the bid in the attached format as **Annexure-A**.

Note:

- *The technical BEC may be fulfilled by the bidder on its own or through its manufacturer. Further, the financial BEC must be fulfilled by the bidder on its own only.*
- *If the bidder is authorized dealer/trader and they will bid using technical credentials of any manufacturer then the bidders needs to submit the authorization letter from that manufacturer as per format attached at Annexure-A to qualify in the bid. However, during the tenure of the contract, the bidder can only supply the material through that manufacturer only. No material from other manufacturer including through own manufacturing unit of bidder, will be accepted as the technical credentials were considered of particular manufacturer only during technical BEC qualification.*

Clause No. 9.1 of IFB has been amended**9.0 BID SECURITY/EARNEST MONEY DEPOSIT (EMD)**

9.1 All bids must be accompanied by a bid security amount as below:

Sl. No.	Description	Bid Security / EMD (INR)
1.	SMART GAS METER G-4 WITH EVC,NRV & AMR	1,00,000/-
2.	SMART GAS METER G-6 WITH EVC,NRV & AMR	1,00,000/-
3.	SMART GAS METER G-10 WITH EVC,NRV & AMR	1,00,000/-
4.	SMART GAS METER G-16 WITH EVC,NRV & AMR	5,00,000/-
5.	SMART GAS METER G-25 WITH EVC,NRV & AMR	5,00,000/-
6.	G-10 RPD METER WITH NRV, EVC & AMR, #150	5,00,000/-
7.	G-16 RPD METER WITH NRV, EVC & AMR, #150	15,00,000/-
8.	G-25 RPD METER WITH NRV, EVC & AMR, #150	15,00,000/-
9.	G-40 RPD METER WITH NRV, EVC & AMR, #150	15,00,000/-
10.	G-65 RPD METER WITH NRV, EVC & AMR, #150	5,00,000/-
11.	RPD METER G-100 WITH NRV,EVC & AMR #150	5,00,000/-
12.	RPD METER G-160 WITH NRV,EVC & AMR #150	1,00,000/-
13.	RPD METER G 100 WITH NRV,W/O EVC	(*)
14.	RPD METER G-160 #150 WITH NRV AND WITHOUT EVC & AMR	1,00,000/-
15.	RPD METER G-250 #150 WITH NRV AND WITHOUT EVC & AMR	(*)
16.	RPD METER G-400 #150 WITH NRV AND WITHOUT EVC & AMR	(*)
17.	RPD METER G-650 #150 WITH NRV AND WITHOUT EVC & AMR	1,00,000/-
18.	RPD METER G-1000 #150 WITH NRV AND WITHOUT EVC & AMR	1,00,000/-
19.	REGULATOR 300 MBAR/50M3/HR-FLANGED END	1,00,000/-
20.	REG DIRECT ACT 2.0bar/30cum/hr (SERIAL)	1,00,000/-
21.	REG DIRECT ACT 2.0bar/50cum/hr (SERIAL)	1,00,000/-
22.	REGULATOR, DIRECT ACTING-2.0 BAR/100 CUM	1,00,000/-
23.	REGULATOR, FLANGE-END - 2.0 BAR/150 CU.M	1,00,000/-
24.	REGULATOR, DIRECT ACTING-2 BAR/250 CU.M	1,00,000/-

Note: (*) EMD is not applicable, however Declaration as per Annexure-1 (attached in Commercial Vol. I of II) to be mandatorily submitted by such bidders.

In case bidders quote for more than one item, then Bid security amount shall be on cumulative basis. However, Maximum Bid Security amount shall be INR 20,00,000/-

ANNEXURE-A



QUALITY ASSURANCE PLAN FOR GAS METERS

Project : City Gas Distribution Project in NCT of Delhi & NCR
 Client : IGL
 Consultant : VCS Quality Services
 QAP. No.: 1068-CGD-IC-QAP-001-01 Rev: 2
 Prepared By: ND *[Signature]* CHK: VB *[Signature]* Approved: KP *[Signature]*
 Date 03.01.2024

S.No	Components & Operations	Description of Test	Category	Extent of Check	Ref. Doc. & Cl.no.	Acceptance Criteria	Format of Record	Inspection		Remark
								Manufacturer	TPIA	
1	Body & internal parts	Material of Body & Trim	Physical properties/ Chemical composition	1 sample per heat	Approved data sheet	Applicable Material std.	Material test Reports	P	R	
2	Assembly	Dimension-Size,rating,end connection	visual	100%	Approved drwg/doc	Approved drwg/doc	Inspection Format	P	R	
		Degree of protection	Test	10%	Approved data sheet	Applicable stdard.	Test report	P	R	
		Body Hydro/Pneumatic Test	Test	100%	Approved data sheet	No leakage	Test report	P	R/W	At least 5% to be witnessed by TPIA
		Calibration, accuracy	Test	100%	Approved data sheet	Approved data sheet	Test report	P	R/W	At least 5% to be witnessed by TPIA
		Functional test, Also with AMR & EVC	Test	100%	Approved data sheet	Approved data sheet	Test report	P	R/W	At least 5% to be witnessed by TPIA

LEGENDS: R - Review, W - Witness, P - Perform, TPIA - Third Party Inspection Agency, R/W-Review and witness

- Notes: -
- 1) The above-mentioned testing and acceptance criteria are minimum requirements; however, supplier shall ensure that the product also comply to the additional requirements as per technical specifications and data sheets.
 - 2) The supplier shall submit their own detailed QAP prepared on the basis of the above for approval of Owner / Owner's representative and TPIA.
 - 3) TPIA shall have right to inspect minimum 10% of all manufacturing activities on each day or as specified above.
 - 4) TPIA along with Owner / Owner's representative shall review / approve all the documents related to QAP / Quality manuals Drawings etc. submitted by supplier.
 - 5) TPIA shall also review the test certificates submitted by the manufacturer.
 - 6) Supplier shall in coordination with sub vendor shall issue detailed production and inspection schedule indicating the dates and the locations to facilitate Owner / Owner's representative to organize Inspection.
 - 7) Supplier shall submit their own Detailed QAP and meter index format Duly Signed and Stamped.
 - 8) TPIA shall review all the reports 100%.

ANNEXURE-B



8.1 Penalty during Warranty/Guarantee shall be as per the following Clauses

Vendor must rectify the defective material, faulty material within the prescribed time after fault/defect occurrence intimation and failing to get fault/defect rectified shall be attract a penalty as the following: -

- a) After 2 weeks from lodge of complaint by Client to vendor – 1% of the cost (INR) of the item per week thereafter and maximum up to per unit rate of particular item.

9.0 MARKING, PACKING AND SHIPMENT

Vendor responsible for gas meter and its accessories shall ensure that all equipment, associated materials and accessories are designed properly packed, and secured for transit to site without damage.

Supplier / Vendor shall provide a detailed packing list for all the items been supplied. Necessary accessories supplied shall be packed in the main package box for which accessories are been supplied.

The calibration certificates of each item shall be enclosed within the package box. Each package box shall be tagged with the Purchase Order number (unique identification is required).

The package box shall be suitable for inland transport or seaworthy (if imported). Necessary precautions and pre-requisites shall be considered by Supplier for package delivery to the concern Client site / location / workshop.

Vendor shall provide and submit his standard "Marking, Packing and Shipping Procedures" for review by Client.

Vendor shall specify any conditions, normal or special, to be verified in intermediate storage and during transport.

Equipment shall be suitably packed including any dismantling, transit fastening and bracing necessary to prevent distortion or damage during transit.

Adequate protection shall be provided to prevent mechanical damage and atmospheric corrosion in transit and at the job site.

Preparation for shipment and packing will be subject to inspection and rejection by Company's inspectors. All costs occasioned by such rejection shall be to account of the Vendor.

10.0 TRAINING

Vendor shall provide the at least two training courses (Meter/Data Web hosting) annually to client/Client staffs, one training is compulsory to provide physically within the 01 week after delivery of material for the minimum 40 Nos. of person at client designated place and the space arrangement shall be in client scope and second training shall be through the Video conference tool i.e., Microsoft Teams etc. In training sessions, vendor shall cover the following minimum topics.

1. Functional Operation
2. Design and Installation Requirements
3. Maintenance Procedure and Plan
4. Manual and Catalogues points in details, Physical cross sectional of Meter etc.

Vendor shall provide course materials, manuals, literature, etc. as required for proper training of owner's personnel at his own cost. After the completion of the course, all such materials shall become the property of Client.



6.5 Penalty during Warranty/Guarantee shall be as per the following Clauses

Vendor must rectify the defective material, faulty material within the prescribed time after fault/defect occurrence intimation and failing to get fault/defect rectified shall be attract a penalty as the following: -

- a) After 2 weeks from lodge of complaint by Client to vendor – 1% of the cost (INR) of the item per week thereafter and maximum up to per unit rate of particular item.

7.0 MARKING, PACKING AND SHIPMENT

Vendor responsible for regulator and its accessories shall ensure that all equipment, associated materials and accessories are designed properly, marked and packed, and secured for transit to site without damage.

Supplier / Vendor shall provide a detailed packing list for all the items been supplied. Necessary accessories supplied shall be packed in the main package box for which accessories are been supplied.

The calibration certificates of each item shall be enclosed within the package box. Each package box shall be tagged with the Purchase Order number (unique identification is required).

The package box shall be suitable for INLAND transport or seaworthy (if imported). Necessary precautions and pre-requisites shall be considered by supplier for package delivery to the concern client site / location / workshop.

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