



BHAGYANAGAR GAS LIMITED
(A JOINT VENTURE OF HPCL & GAIL)

BID DOCUMENT FOR

**Procurement of RPD Meters and separate EVCs for
replacement due to breakdown & calibration for
Industrial & Commercial Customers in Hyderabad**

**UNDER OPEN DOMESTIC
COMPETITIVE BIDDING**

Bid Document No.: BGL/560/2022-23

VOLUME-II of II



Bhagyanagar Gas Limited

Procurement of RPD Meters and separate EVCs for replacement due to breakdown & calibration for Industrial & Commercial Customers in Hyderabad.

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SPECIAL CONDITIONS OF CONTRACT (SCC)

GENERAL

- 1.1 Special Conditions of Contract shall be read in Conjunction with the General Conditions of Contract, Specification of work, Drawing and any other documents forming part of this Contract wherever the context so requires.
- 1.2 Notwithstanding the sub-division of the documents into these separate sections and volumes ever part of each shall be deemed to be supplementary to and complementary of every other part and shall be read with in the Contract so far as it may be practicable to do so.
- 1.3 Where any portion of the General Conditions of Contract is repugnant to or at variance with any provisions of the Special Conditions of Contract, unless a different intention appears, the provisions of the Special Conditions of Contract shall be deemed to over-ride the provisions of the General Conditions of Contract and shall be the extent of such repugnancy, or variations, prevail.
- 1.4 Wherever it is mentioned in the specification that the Contractor shall perform certain work or provide certain facilities, it is understood that the Contractor shall do so at his cost and the **Value of Contract** shall be deemed to have included cost of such performance and provisions, so mentioned.
- 1.5 The materials, design, and workmanship shall satisfy the relevant Indian Standard, the Job Specifications contained herein and Codes referred to where the job specification stipulate requirements in addition to those contained in the standard codes and specifications, these additional requirements shall also be satisfied.
- 1.6 In case of an irreconcilable conflict between Indian or other applicable standards, General Conditions of Contract, Special Conditions of Contract, Specification, Drawings or Schedule of Rates, the following shall prevail to the extent of such irreconcilable conflict in order of precedence:
 - i) Letter of Acceptance/ FOI along with Statement of Agreed Variations.
 - ii) Schedule of Rates as enclosures to Letter of Acceptance
 - iii) Special Conditions of Contract
 - iv) Drawings
 - v) Technical/ Material Specifications
 - vi) Instruction to Bidder
 - vii) General Conditions of Contract
 - viii) Indian Standards
 - ix) Other applicable standards
- 1.7 It will be the Contractor's responsibility to bring to the notice of Engineer-in-charge any irreconcilable conflict in the contract documents before starting the work(s) or making the supply with reference which the conflict exists.
- 1.8 In the absence of any Specifications covering any material, design of work(s) the same shall be performed/ supplies/ executed in accordance with Standard Engineering Practice as per the instructions/ directions of the Engineer-in-charge, which will be binding on the Contractor.



1.9 The Bidder shall supply regulators, filters, CRV, SSV only from the approved list of manufacturers/make.

2.0 Weigh and measurement certificates and other relevant certificates must be submitted as per standard of Dept of Legal metrology standard, of Indian Government.

2.0 SCOPE OF SUPPLY

The Scope of SUPPLY shall be as set out at Material Requisition, Data Sheets and Technical Specifications given in Volume-II of tender document and supplemented by all stipulation in the total tender document.

Seller's scope shall include

- (a) manufacturing of mentioned items as per Material Requisition technical specifications;
- (b) preparation of Quality Assurance / Quality control programme;
- (c) obtaining Owner's approval;
- (d) arranging Inspection and Testing certification;
- (e) Inspection and obtaining Inspection Release Note;
- (f) obtaining dispatch clearance;
- (g) Packing;
- (h) Transit Insurance, loading on truck/trailer including loading and Unloading of materials/spare kits at Bhagyanagar Gas's store/site.

3.0 CONTRACT PRICE

The contract price shall be deemed to be firm and valid for the entire duration of the contract till the completion of work, and shall not be subject to any adjustment due to increase in price of materials, utilities, or any. other input for performance of work and the contract except for increase/decrease in taxes and duties on account of subsequent legislation.

4.0 DIVISION OF ORDER

BGL reserves the right to divide the quantity among more than one bidder at its sole discretion and as mentioned in BEC of Vol I of II.

5.0 QUALITY ASSURANCE/QUALITY CONTROL:

- 5.1. The Contractor shall "prepare a detailed quality assurance plan for the execution of Contract for various facilities, which will be mutually discussed and agreed to.
- 5.2. The Contractor shall establish document and maintain an effective quality assurance system outlined in recognized codes.
- 5.3. The Purchaser while agreeing to a quality assurance plan shall mark the stages where they would like to witness the tests; review any or all stages of work at shop/site as deemed necessary for quality assurance.

6.0 QUANTITY VARIATION

The tendered quantity may vary depending upon the project requirement. BGL reserves the right to decrease/ increase the quantity depending upon its requirement.

7.0 DISPATCH INSTRUCTIONS

- 7.1 Seller shall obtain dispatch clearance from the Purchaser prior to each dispatch.



7.2. Copy of Inspection Release Certificate, Dispatch Clearance and statement showing the name of the Vessel/Trailers description and weight of material and shipping marks etc. to be submitted along with the documents.

8.0 INSPECTION

Final inspection of the pipe shall only be done by TPIA approved by BGL. All the charges towards all kinds of tests/TPIA cost shall be included in the quoted rates per unit. No additional payment to this effect will be made. The charges towards BGL's Inspection Agency, if engaged, shall be borne by Vendor.

9.0 REJECTION

- 9.1. Any materials/goods covered under scope of supply, which during the process of inspection by appointed third party, at any stage of manufacture/fabrication, and subsequent stages, prior to dispatch is found not conforming to the requirements/specifications of the Purchase Requisition /Order, shall be liable for immediate rejection.
- 9.2. Supplier shall be responsible and liable for immediate replacement of such material with acceptable material at no extra cost or impact on the delivery schedule to EMPLOYER

10.0 TERMS OF PAYMENTS

The Payment shall be made in the following manner subject to completion of all contractual requirements as per tender document.

The following shall be read in conjunction with Clauses of GCC (Goods)

- **100 % (Hundred percent) payment of the supplied portion along with freight including taxes & duties will be paid on receipt & acceptance of goods at FOT site after adjustment of PRS, if any along with submission of following documents: -**
 - i) Original Invoice in triplicate in compliance with GST law in force
 - ii) Inspection Release note by Owner or his appointed or approved agency.
 - iii) Original GR / LR
 - iv) Packing List
 - v) Insurance cover note covering transit insurance
 - vi) Performance Bank Guarantee(s) of 3% of Contract Value. If already submitted, a copy of the same.
 - vii) Document related to Input Tax Credit (ITC) to be claimed by owner, if applicable.
- **For FINAL BILL, following documents are to be provided:**
 - v) **No Claim & No due Certificate**
 - vi) Statement of Completion

ii. MODE OF PAYMENT

All payments payable in Indian rupees against the contract shall be released by Owner through account payee cheque payable at par or by electronic transfer.

iii. DEDUCTION AT SOURCE

Purchaser will release the payment to the Seller after effecting deductions as per applicable law in force. Purchaser will release payments by F&A Dept, BGL to the Contractor after offsetting all dues to the Purchaser payable by the Contractor under the Contract.

11.0 COMPENSATION FOR DELAY (PRICE REDUCTION / LIQUIDATED DAMAGES)



In case of delay in delivery of materials beyond contractually agreed delivery schedule, price reduction schedule will be applicable @0.5% of material value for the unsupplied portion per week of delay or part thereof, subject to ceiling of 5% (FIVE PERCENT) of the total order value. For details, please refer relevant clause of GCC-Goods.

The value referred in PRS clause is excluding taxes & duties.

12.0 PERFORMANCE BANK GUARANTEE/ SECURITY DEPOSIT/CONTRACT PERFORMANCE SECURITY:

Bidder will provide Performance Guarantee @ 3 % of annualized order value within 30 days of receipt of Fax of Acceptance (FOA) / Work Order (WO) from the Owner. The contract performance bank guarantee shall be valid 3 months beyond the Guarantee/ Warrantee period.

The Performance Guarantee shall be in form of either Demand Draft or Banker's Cheque or bank transfer through NEFT/RTGS/IMPS into BGL account, or irrevocable Bank Guarantee and shall be in the currency of Contract (issued by any Indian Scheduled bank or a branch of an International Bank situated in India and registered with Reserve Bank of India as Scheduled Foreign Bank).The Terms also to be read in line with Section Information to Bidders (ITB) (Vol I of II)of Bid Document.

There is no exemption to MSEs including SSI units from submission of Security Deposit/ Contract Performance Bank Guarantee (CPBG).

13.0 REPEAT ORDER

BGL reserves the right to place a repeat order within Six (06) months from date of purchase order for upto 50% of order quantities on same rate, terms and conditions.

14.0 DELIVERY

The delivery of the items location wise is as per the Material Requisition.

The Vendor to arrange transportation of these materials from the vendor shop to designated locations of BGL yard in respective cities. No extra payment shall be made for the transportation and deemed to be included in the quoted price.

Bidder to deliver the materials at all locations as per the quantity estimated.

15.0 DELIVERY SCHEDULE

Delivery of the total order quantity will be completed within 6-8 weeks for the supply of all materials as per SOR, from the date of receipt of LOI/PO from the date of Fax of Acceptance (FOA)/Purchase Order (PO).

16.0 PACKING, MARKING AND SHIPMENT

The Seller, wherever applicable shall after proper painting, pack and crate all goods for sea/air/road/rail transportation in a manner suitable to tropical humid climatic region in accordance with the internationally accepted practices and in such a manner so as to protect it from damage and deterioration, in transit by sea or air or road or rail and during storage at the storehouse. The



Seller shall be held responsible for all damages due to improper packing. The Seller shall ensure sizing or packing of all oversized consignments in such a way that availability of carrier and/or road/rail route is properly taken into consideration.

For MARKING & PACKAGING of the Materials shall be as Section-IV of Vol I of I.

Seller shall comply with the Packing, Marking and Shipping Instructions and Special Packaging Requirement as per Vol I of II of this Bidding Document.

17.0 INDEPENDENT SELLER

It is expressly understood and agreed that Seller is an independent party and that neither the Seller/ its personnel are servants, agents or employees of Purchaser nor the Seller has any kind of interest in other sellers.

18.0 LIEN

Seller shall ensure that the Scope of Supply supplied under the Agreement shall be free from any claims of title/liens from any third party. In the event of such claims by any party, Seller shall at his own cost defend, indemnify and hold harmless Purchaser or its authorized representative from such disputes of title/liens, costs, consequences etc.

19.0 LIMITATION OF LIABILITY

Notwithstanding anything contrary contained herein, the aggregate total liability of Supplier under the Contract or otherwise shall be limited to 100% of contract value. However, neither party shall be liable to the other party for any indirect and consequential damages, loss of profits or loss of production.

20.0 GOVERNING LAW

Laws of India will govern the Agreement and Hyderabad courts will have exclusive jurisdiction on all matters related to Agreement.

21.0 OWNER'S RIGHTS AND REMEDIES

Without prejudice to Owner's right and remedies under Agreement, if SUPPLIER fails to commence delivery as per agreed schedule and/or in reasonable opinion of the OWNER, CONTRACTOR is not in a position to make up the delay to meet the intended purpose, the OWNER may terminate the AGREEMENT in full or part at SUPPLIER's default and may get supplies from other sources at SUPPLIER's risk and cost.

22.0 TRANSIT INSURANCE (addtl to Clause no. 16.0 of GCC)

Bidder shall arrange Transit Insurance and the cost of which shall be borne by bidder. Quoted price shall be inclusive of the same.

23.0 WARRANTY

If any trouble or defect, originating with the design, material, workmanship or operating characteristics of any materials, arises at any time prior to expiry of twelve(12) months from the date of commissioning of the equipment or prior to expiry of twenty four (24) months from the date of last shipment (particular delivery LOT for Groups) whichever is earlier, first expire, and the SELLER is notified thereof, SELLER shall, at his own expense and as promptly as possible, make such alterations, repairs and replacements as may necessary to permit the materials to function in accordance with the specifications and to fulfill the foregoing guarantees.



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24.0 General Conditions:

- (i) When the materials are dispatched to the consignee intimation must also be given to this effect. Reference to the supply order should invariably be given in all the relevant correspondence.
- (ii) The tender is liable to be rejected in case the tender does not comply with tender stipulations or the goods, works and services offered do not conform to the required specifications indicated their in.
- (iii) Any other terms and conditions offered by the firm and not included in the order/contract, are not acceptable to BGL.

25.0 Location/Site Information:

Location of site will be informed by BGL Engineer-In-charge OR as follows

For Hyderabad Location:

**Bhagyanagar Gas Limited, Sy No. 1266, Mother Station,
CNG Gas Station, Opp. Nalsar University Adjacent to IPE Collage
Shamirpet, Hyderabad-500078 Rangareddy, Telangana**



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SECTION – 8

**MATERIAL REQUISITION & TECHNICAL
SPECIFICATIONS**



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Material Requisition

Project : Procurement of RPD Meters and separate EVCs for replacement due to breakdown & calibration for Industrial & Commercial Customers in Hyderabad
Client : M/s Bhagyanagar Gas Limited
Items : RPD meter and EVC
Tender No. : B G L / 5 6 0 / 2 0 2 2 - 2 3 dt. 1 2 . 1 1 . 2 0 2 2

		Q Max	Size (Flange)	Rating	Unit	Qty
1	Design, Engineering, Supply and delivery of items upto FOT Site, Hyderabad as per the Material Requisition and Scope of Supply in Bid Document for RPD Meters (Rotary Positive Displacement Meters)					
1.1	2" x 150# G-25 RPD Meter with accessories: Meter Oil, conical strainer, Restriction orifice, Gaskets, Meter bolts & Pressure kits.	40 m3/h	2" x 150#	G25	Nos	2
1.2	2" x 150# G-40 RPD Meter with accessories: Meter Oil, conical strainer, Restriction orifice, Gaskets, Meter bolts & Pressure kits.	60 m3/h	2" x 150#	G40	Nos	2
1.3	2" x 150# G-65 RPD Meter with accessories: Meter Oil, conical strainer, Restriction orifice, Gaskets, Meter bolts & Pressure kits.	100 m3/h	2" x 150#	G65	Nos	2
1.4	3" x 150# G-100 RPD Meter with accessories: Meter Oil, conical strainer, Restriction orifice, Gaskets, Meter bolts & Pressure kits.	160 m3/h	3" x 150#	G100	Nos	1
1.5	3" x 150# G-160 RPD Meter with accessories: Meter Oil, conical strainer, Restriction orifice, Gaskets, Meter bolts & Pressure kits	250 m3/h	3" x 150#	G160	Nos	1
1.6	4" x 150# G-250 RPD Meter with accessories: Meter Oil, conical strainer, Restriction orifice, Gaskets, Meter bolts & Pressure kits.	400 m3/h	4" x 150#	G250	Nos	1

Sign & Seal of Bidder

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2	Design, Engineering, Supply and delivery of items upto FOT Site, Hyderabad as per the Material Requisition and Scope of Supply in Bid Document for EVCs (Electronic Volume Correctors)					
2.1	EVC with pressure range 0.5 bar to 10 bar and PTZ/T-corrector varriants. LF/ HF pulse and GPRS/LTE configrable with RS485(or 232 as option) communication portable.	-	-		Nos	5

1. Scope of Supply:

The successful Bidder (the “Supplier”) shall complete delivery of Goods along-withs incidental services (if any) as per Specification, Scope of Supply/Job within the period stated in Special Conditions of Contract.

Seller’s scope shall include (a) manufacturing of above-mentioned items as per Material Requisition technical specifications; (b) preparation of Quality Assurance / Quality control programme; (c) obtaining Owner’s approval; (d) arranging Inspection and Testing certification; (e) Inspection and obtaining Inspection Release Note; (f) obtaining dispatch clearance; (g) Packing; (h) Transit Insurance, loading on truck/trailer including and unloading of at Bhagyanagar Gas’s store/site.

Owner approval to be obtained after third party Inspection & Testing.

2. Technical Specifications

The technical specifications & drawings for the required items are plotted below. However, BGL will finalize the drawings of the item with the vendor after the placement of order:

2.1 TECHNICAL SPECIFICATIONS – ROTARY POSITIVE DISPLACEMENT METERS (RPD Meter) (FOR SOR SL. NO-1)

(a) TECHNICAL SPECIFICATION (G25) RPD with separate EVC		
Connection (Flanged)	DN/PN16 ANSI 125FF	40 MM 2"
MAOP	(bar)	12
Flow Capacity	(m ³ /h)	40
Rangeability* (up to 1:160 @ atmospheric condition, according to EN12480 & OIML R137/1 requirement)		1.16
Start Rate	(m ³ /h)	0.056



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Stop Rate	(m ³ /h)	0.046
Differential @ 100% Flow	(mbar)	1.69
Instrument Drive Rate	(m ³ /rev)	0.1
LF Pulser (Optional)	(m ³ /pulse)	0.1

(b) TECHNICAL SPECIFICATION (G40) RPD with separate EVC

Connection (Flanged)	DN/PN16 ANSI 125FF	40 MM or 50 MM 2"
MAOP	(bar)	12
Flow Capacity	(m ³ /h)	65
Rangeability* (up to 1:160 @ atmospheric condition, according to EN12480 & OIML R137/1 requirement)		1.16
Start Rate	(m ³ /h)	0.071
Stop Rate	(m ³ /h)	0.056
Differential @ 100% Flow	(mbar)	1.89
Instrument Drive Rate	(m ³ /rev)	0.1
LF Pulser (Optional)	(m ³ /pulse)	0.1

(c) TECHNICAL SPECIFICATION (G65) RPD with separate EVC

Connection (Flanged)	DN/PN16 ANSI 125FF	50 MM 2"
MAOP	(bar)	12
Flow Capacity	(m ³ /h)	100
Rangeability* (up to 1:160 @ atmospheric condition, according to EN12480 & OIML R137/1 requirement)		1.16
Start Rate	(m ³ /h)	0.113
Stop Rate	(m ³ /h)	0.093
Differential @ 100% Flow	(mbar)	2.14
Instrument Drive Rate	(m ³ /rev)	0.1
LF Pulser (Optional)	(m ³ /pulse)	0.1

(d) TECHNICAL SPECIFICATION (G100) RPD with separate EVC

Connection (Flanged)	DN/PN16 ANSI 125FF	80 MM 3"
MAOP	(bar)	12
Flow Capacity	(m ³ /h)	160
Rangeability* (up to 1:160 @ atmospheric condition, according to EN12480 & OIML R137/1 requirement)		1.16
Start Rate	(m ³ /h)	0.119
Stop Rate	(m ³ /h)	0.09
Differential @ 100% Flow	(mbar)	2.39
Instrument Drive Rate	(m ³ /rev)	1



LF Pulser (Optional)	(m ³ /pulse)	1
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(e) TECHNICAL SPECIFICATION (G160) RPD with separate EVC

Connection (Flanged)	DN/PN16 ANSI 125FF	80 MM 3"
MAOP	(bar)	12
Flow Capacity	(m ³ /h)	250/300
Rangeability* (up to 1:160 @ atmospheric condition, according to EN12480 & OIML R137/1 requirement)		1.16
Start Rate	(m ³ /h)	0.156
Stop Rate	(m ³ /h)	0.113
Differential @ 100% Flow	(mbar)	2.56
Instrument Drive Rate	(m ³ /rev)	1
LF Pulser (Optional)	(m ³ /pulse)	1

(f) TECHNICAL SPECIFICATION (G250) RPD with separate EVC

Connection (Flanged)	DN/PN16 ANSI 125FF	100 MM 4"
MAOP	(bar)	12
Flow Capacity	(m ³ /h)	400
Rangeability* (up to 1:160 @ atmospheric condition, according to EN12480 & OIML R137/1 requirement)		1.16
Start Rate	(m ³ /h)	0.198
Stop Rate	(m ³ /h)	0.136
Differential @ 100% Flow	(mbar)	3.98
Instrument Drive Rate	(m ³ /rev)	1
LF Pulser (Optional)	(m ³ /pulse)	1

2.2 TECHNICAL SPECIFICATIONS - ELECTRONIC VOLUME CORRECTORs (FOR SOR SL. NO-2)

ELECTRONIC VOLUME CORRECTOR	
Type	Pipe mountable
Model	NA
Input	Low/High Frequency Pulse type input from Turbine / RPD Flowmeter
Output	Pulse Scalable
Key Board	6 Front Panel keys
Display	128x64 pixels, Graphics LCD
	12V DC



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Power	(12V DC to 5V DC converter, to be mounted in safe area shall be provided by us. This converter is DIN rail mountable. Power cables and signal cables are excluded from our scope)
Purpose	To indicate Corrected Volume, Uncorrected Volume, Pressure and Temperature and to log the information on Hourly & daily basis.
Pressure Sensor	Digital pressure transducer included; Range: 0.8 to 10 bar(Abs)
Temp. Probe	Digital pressure transducer included; Range: -25 to +70 Deg C
Over All Accuracy	+/- 0.5%
Data Entry	Through keypad / Laptop computer
Serial	RS485 for data down load & configuration by connecting laptop. (RS485 to USB port cable is included in our scope)
Data Security	Unauthorized changes/ tampering is prevented by password
Calculation method	SGERG-88, AGA 8-G1, AGA 8-G2, AGA 8-DETAIL
Humidity	Up to 95% sustained, outdoor exposure
Storage Temp.	-40 ⁰ to +70 ⁰ C
Safety	ATEX certified for Zone 1
Enclosure	IP 66
Approvals	ATEX & MID
Dimensions	266 x 182 x 61 mm (w x h x d)
Weight	NA
Note	EVC Mounting Bracket included in our scope
AMR	Inbuilt



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SECTION – 9

SCHEDULE OF RATES (SOR)

REFER E-TENDER NO.: BGL/560/2022-23 IN

E-TENDERING WEBSITE /PORTAL -

(<https://petroleum.euniwizarde.com/>)

FOR SCHEDULE OF RATES



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2.1	EVC with pressure range 0.5 bar to 10 bar and PTZ/T-corrector varriants. LF/ HF pulse and GPRS/LTE configrable with RS485(or 232 as option) communication portable.		Nos	5							
Total amount inclusive of all applicable taxes & duties in Rs.											