

NO: MTL/PUR/Scanner Flow Computer/ 2018-19/32

Date: 04-03-2019

Type of Tender : Limited single bid tender.
Bid closing date : 19/03/2019 at 14.00 hrs.(IST)
Bid opening date :
EMD : As per annexure-I of the NIT

ASSAM GAS COMPANY LIMITED invites quotation for supply of the following items the detail technical specification given at Annexure – II

Sl No	Item Code	Item Description	Unit	Qty
1	0209-7540	Supply installation and commissioning of Field Mount Flow Computer	No	03

Terms & Conditions for Limited Tender

1. The bidder should quote their rates with applicable GST, freight etc. as per the FORMAT Given below:-

Item No./Mat. Code	Material Description	Unit	Rate/Unit (INR) (A)	Freight @% (B)	GST @% (C)	Amount/Unit INR (FOR Duliajan) (A)+(B)+(C)=D	Qty (E)	Total Amount (INR) (D)X (E)

2. The TOTAL AMOUNT shall be in figure as well as in words. No overwriting shall be allowed In case of discrepancy, the rates quoted in words shall be considered to be correct.

3. Sealed envelope containing the bid duly filled in as per above Format on bidders letter head should reach Chief Manager (Materials)-HOD, Assam Gas Company Limited, Duliajan- 786602, Dist.Dibrugarh(Assam) on or before the bid closing date and time as mentioned above. If the bid closing date happens to be holiday /bandh called then the next full working day will considered as bid closing day.

4. The Sealed envelope containing the bid shall be marked at the top of the envelope with the following.

- a) AGCL Tender No.
 - b) Bid Closing date
 - c) Bidder's Name
 - d) Brief description of supply
- b) Sealed envelope without mention of the above information in the envelope shall not be considered for bid evaluation.

Cont'd...P/2

5. **Validity** : The bid must be valid for 180 days from the date of opening of the bid.

6. **Delivery**: The ordered materials shall have to be delivered at AGCL's stores, Duliajan within 90 (Ninety) days from the date of receipt of the Purchase Order by Fax/Email etc. FOR other than Duliajan shall not be considered for evaluation.

7. **Dispatch**: The eligible bidder shall have to dispatch the materials through their transporter whose branch office is located at Duliajan taking maximum care against any damage in transit. The goods should be properly packed to avoid any damage during transit. No additional charge shall be allowed for Packing & Forwarding. The goods should further be insured for the transit period from Vendor's location up to destination in order to avoid any transit loss, damage etc. The insurance is in bidder's scope. Transit insurance document is to be provided at the time of claiming the payment.

8. **EMD**: The bidder has to submit EMD as per Annexure I in the form of Bank Draft drawn in favour of Assam Gas Company Ltd. Payable at Duliajan. The bidder has to pay GST @18% of EMD value along with EMD. The EMD will be released on completion of complete delivery and acceptance of materials. The EMD of unsuccessful bidders shall be refunded after issue of the Purchase Order to the successful bidders. The EMD will be forfeited if the bidder fails to comply as per the P.O.

9. **Liquidated Damage** : The completion of delivery of the entire quantities of Materials as mentioned above within the schedule date of completion of delivery shall be deemed to be the essence of the contract. In case of delay in delivery of the materials within the stipulated period, unless such delay is attributable to owner (AGCL) or due to Force Majeure, there will be reduction in contract value @0.5% (point five percent) for undelivered quantities of materials for each week of delay or part thereof subject to maximum of 5% (five percent) of the total contract value as liquidated damage. The Liquidated Damage charge shall be recovered from the supplier's bill invoice.

10. **Guarantee/Warranty**: **Guarantee/Warranty shall stand as per Manufacturer warranty Certificate. Warranty should be survived for minimum 12 months.**

11. **Performance Bank Guarantee**: Within 15 (Fifteen) days from receipt of notification of award/Fax of acceptance from the Purchaser, the successful bidder shall; furnish a performance bank guarantee for an amount equal to 10% of the contract value towards faithful performance of the contractual obligations and performance of the materials. The Bank guarantee shall be from any Indian Nationalized/Scheduled bank registered with Reserve Bank of India. The PBG shall be valid for three months more than contract liability period. The PBG shall be furnished on an appropriate value of stamp paper. If the successful bidder fails to deposit PBG within 30 (Thirty) days from the date of issue of the P.O., the P.O. shall be treated as cancelled.

12. **Payment**: 100% Payment shall be made to the supplier within 30 (thirty) days after receipt and acceptance of materials against submission of original invoice in triplicate along with all relevant documents as per NIT & P.O.

13. Conditional bids are liable to rejection at the sole discretion of the Company.

14. **Applicability of Law & Jurisdiction** : The Order shall be governed and interpreted in accordance with the applicable laws of India and Dibrugarh Courts in the State of Assam shall have exclusive jurisdiction

15. The Company reserves the right of rejecting any or all bids accepting any bid in part, without assigning any reason.

Thanking You,

Yours faithfully,

For and on behalf of MANAGING DIRECTOR

ASSAM GAS COMPANY LIMITED
(A Govt.of Assam Undertaking)
P.O.Duliajan – 786 602 Assam
E-mail : agcmat2@ gmail. com. Fax No. 0374-2800557

ANNEXURE – I
EARNEST MONEY DEPOSIT : (EMD)
EMD to be deposited by the bidder is as follows:

<u>Bid Offer VALUE (Rs.)</u>		<u>EMD (Rs.)</u>
Upto	50,000	NIL
50,001 to	1,00,000	2000.00
1,00,001 to	2,00,000	4000.00
2,00,001 to	5,00,000	10,000.00
5,00,001 to	10,00,000	20,000.00
10,00,001 to	25,00,000 &above	50,000.00

Annexure – 1I

SPECIFICATION SHEET FOR FIELD MOUNT FLOW COMPUTER		
SL NO	TECHNICAL DESCRIPTION	
1	Memory	SRAM: 8MB
		SDRAM:128 MB
		FLASH : 128 MB
2	CPU Diagnostics	Battery voltage monitor, external voltage monitor, SRAM battery status
3	SRAM Battery	Lithium coin cell type, Life expectancy of 5-7 years with power;10,000 hours without power
4	Mounting	Direct Mount- To Manifold on pipeline Indirect Mount - 2" Pipe or pole Mount
5	Installation	C1D2/Zone 1
6	Enclosure	Flame proof/ex-proof Enclosure, IP66/NEMA 4×
		Electronic Housing Materials – Cast Aluminium
		Sensor Enclosure – Stainless steel
7	Wiring	Size 12 to 28 American Wire Gauge (AWG) (0.3 to 2.0 mm diameter)
8	Wiring Access	4 conduit entry points, ³ / ₄ in. NPT(standard) M 20 (optional)
9	Power Supply	
	Battery Option	Optional Rechargeable Lead Acid Battery – Internal mounted 2.9 Ah 6.0 Vdc battery Battery Temperature rating - 25° C to 60° C The battery should be able to power the unit for up to 20 days without any solar charging & can be charged by a 6 –watt solar panel or from a DC supply for backup
	Solar Option	6 watt 6 Vdc solar power
10	Input voltage	5.7 Vdc to 30 Vdc
	Inbuilt sensor Option	DP range: 0 to 250 Inches H2o (623 mbar)
	Static Pressure Input Options	SP Range 1: -14.2 to 500 psig
	Temperature Input (RTD/PRT)	Type: 2-,3-, or 4- wire (software selectable) Measuring Range: -50 to +250° C Resolution: 24 bits

11	Accuracy, Uncertainty, Measurement Error	DP: Base $\pm 0.075\%$ Span
		DP: Static P effect Zero: $\pm 0.05\%$ USL per 1000 psi
		DP: static P effect Span: $\pm 0.02\%$ USL per 1000 psi
		DP: Temp effect: $\pm (0.0175 \text{ USL} + 0.1\% \text{ span})$ per 28C
		DP: Stability: $\pm 0.0125\%$ USL for 5 years
		SP Only: Base $\pm 0.075\%$ Span
		SP Only: Temp effect: $\pm (0.05\% \text{ USL} + 0.125\% \text{ Span})$ per 28C
		Temp: Base: $\pm 0.07^\circ\text{C}$ (-30 to + 60C) $\pm 0.1^\circ\text{C}$ (-60 to + 200C)
		Temp: Ambient T Effect $\pm 0.017^\circ\text{C}$ per 10C
		Temp: CVD curve fit - YES
		AI: Base Accuracy $\pm 0.05\%$ FS
		AI: Temp Effect $\pm 0.05\%$ FS per 10 C
		Fault Mode – Fixed or Last Good
12	Discrete Output	Type: Open drain, 500 mA maximum
		Output Type: Latched, momentary, toggle, TDO, or scaled pulse
13	Expansion I/O (Optional)	6 IO Point with Mix of AI/AO/DO/DI/PI
14	Communication Ports	3 x Serial Comm Ports, Min 1 x RS232 and 2 x RS232/RS485 Ports 1 x Optional Ethernet 10/100 Base –T Protocol Support: DNP3 (Level 3), MODBUS Master and Slave
15	Host Communication	WiFi 802.11 b/g
16	Computational Capability	Corrected Volume flow rate calculation as per AGA 3/ISO 5167 standard AGA 7 2006 (pulsed turbine, PD, ultrasonic, and Coriolis meter) AGA 11 2013
17	Engineering Units	US and/or Metric
18	Display capability	Any one of the following at a time as a min: Uncompensated & Compensated vol Flow rate, integrated volume & mass, mass flow rate, density/sp. Gravity, pressure, temp, energy rate, data entry, error codes, selected parameters codes, alarms (process & systems) including diagnostic message, engg. Units
19	Display Type:	Optional backlit liquid crystal display, 20 characters per line; 4 lines in display.
20	Calculation SCAN Time	1 Sec for all calculations
21	Calculation Resolution	64 Bit with Double Precision Rates and Totals
22	Meters Runs	1 or 2 DP / Linear Meter
23	Other Calculations	PID and Simple logic Calcs
24	Certification Approvals	UL, ATEX, IEC Ex NMI, Measurement Canada DGMS Approval
25	Operating temp	-40°C to $+80^\circ\text{C}$