

NO: MTL/PUR/Scanner Flow Computer/ 2018-19/14

Date: 11-01-2019

To

Type of Tender : Limited single bid tender.

Bid closing date : 25/01/2019 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 Scanner Flow Computer as per enclosed Annexure – II with following terms & conditions.

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

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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 30 (Thirty) 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/Warrantee**: **Guarantee/Warrantee shall stand as per Manufacturer warranty Certificate. Warrantee 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

Copy To: 1. Chief Manager (System)-A soft cop of the NIT is e-mailed to you for web-hosting in AGCL website.

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 – II

Sl No.	Item No/ Item Code	Item Description	Unit	Qty
1	0209-7540	Supply installation and commissioning of Scanner Model 2000 Flow Computer. Make: Cameron Wired communication, MVT, Explosion proof and intrinsic safety approvals, Easy battery access	No	03

Technical Specifications of Scanner Model 2000 Flow Computer:

Approval: CSA (US and Canada)

Explosion – proofs
Class I,Div.1,Gropups B, C, D,T6
FOUNDATION fieldbus (optional)
Nonarcing
Class I,Div.2, Groups A,B,C, D,T6
Type 4 weather proof rating ANSI 12.27.01 single seal
3,000 psi)

ATEX and IECEX
Flame – proof
Equipment Group II, Category 2 for gas and dust
Ex d IIC Gb T6
Ex tb IIIC Db T85° C
IP66 weatherproof rating CE
EMC Directive 2004/108/EC

ATEX

Intrinsically safe
Equipment Group II, Category 2 for gas
Ex ia IIB T4 Gb
IP66 weatherproof rating CE
EMC Directive 2004/108/EC

Other

ASME (MVT ≤ 3,000 psi)
CRN OF10472.5C
Measurement Canada (MVT ≤ 1,500 psi),AG-0557C
EAC (formerly GOST-R/GOST-K)

Operating temperature, degF [degC]:

-40 to 158 [-40 to 70]

Physical:

Enclosure

Cast aluminium, painted with epoxy and polyurethane; 316 stainless - optional for marine applications

Single ended with window

Three conduct entries, ¾ in national pipe thread (NPT) standard; capacity five conduit entries with optional terminal housing

Dimensions:

5.71 in wide, 5 in deep, 9.6 in tall MVT; 7.92 in tall with turbine mount

Display and keypad

Two line scrolling LCD that display up to 12 user defined parameters and logs

Three –key membrane switch that supports limited configuration for maintenance

Mounting options:

Direct mount to orifice meter; remote mount to 2 in pole

Power:

Lithium DD battery pack/Solar power

Communications and archive:

Wired

Two onboard Rs -485 ports

Modbus protocol

300-38,400 bps

External connections

USB or Rs -485 (optional)

I/O:

Process temperature input: One

100-ohm platinum RTD with two-three or four wire interface Sensing
800 [-40 to 427] degF[degC]

Accuracy: 0.36 [0.2] over sensing range at calibrated temperature
Temperature effect: ± 0.54 [± 0.3] over operating range

Analog input: Two with I/O expansion board

Three –wire sensor interface (0 to 5V, 1 to 5 V, 4 to 20 mA)
Sensor power same as external power supply for main board
Accuracy: 0.1% of full scale
Temperature effect: 0.25% of scale over operating temperature range
Resolution: 20 bits
User- adjustable sample time and damping

Digital output :one

Configurable as pulse output or alarm output
Solid- state relay
Output rating: 60 –mA maximum at 30 VDC
Pulse output: configurable pulse duration
Maximum frequency: 50 Hz
Configurable pulse representation (1 pulse = 1,000 ft³)
Based on any accumulator (flow run or turbine inputs)

Alarm output:

Low and high
Out of range
Status and diagnostic
Latched and unlatched
Normally open and normally closed

Analog output: One with I/O expansion board

4 to 20 mA
Accuracy: 0.1% full scale at 77°F [25° C]
Temperature drift: 27.8 ppm/degF [50 ppm/degC]
Representation of any measured variable (e.g., differential pressure) or calculated parameter (e.g., flow rate)
Regulates control valve in PID control applications
Optically isolated
Resolution: 16 bits

Data logging:

Up to 16 user – selected parameters; adjustable logging frequency from 5 s to 24 h
Daily records: 768(> 2 years)
Interval (hourly) record:
2304(3 months) standard;
6,392 (8 months) with I/O expansion board

Hardware options:

I/O expansion board
PID control

External USB adapter
 External RS – 485 adapter
 Momentary control switch
 Terminal housing; approved for class I, Div.1, groups C and D installation only.
 RTD temperature sensors

MVT:

Linearized digital data for static pressure (absolute) and differential pressure bottom ports (gas)
 Compliance with prequalified materials of NACE MR0175/ISO 15156
 Process temperature: -40 to 250 degF [-40 to 121° C]
 User – adjustable samples time and damping

MVT accuracy:

Differential pressure (DP),%	± 0.05 of range for all except 30 –in H ₂ O ± 0.1 of range for t 30 –in H ₂ O
Static pressure, %	± 0.05 of range
Temperature effect	± 0.25 of full scale over operating range
Stability (long –term drift),%	Less than ± 0.05 of upper range limit (URL) per year Over a 5- year period
Resolution	24 bits

NVT Pressure Range:

Static Pressure and Safe working Pressure (SWP), psi (Absolute)	Differential Pressure, in H ₂ O	Maximum Over range Pressure psi (Absolute)
300	200	450

M/s AKVOLU Instruments Pvt. Ltd..
Sujith Pillai, Plot No.B – 130 & 131
Electronic Zone, G.I.D.C. Sector- 25
Gandhinagar – 382025 . Gujarat (INDIA)

M/S Nandlal & Brothers,
R.K.B. Path
Dibrugarh-786001 (Assam)

M/a Trade India centre.
#218, Mohsin Market,
Gurunanak Chowk,
M.G.Road, Raipur (C.G.)-492001 (India)

M/s Procon Engineers,
9, Stephen House,
4 B. B. D. Bag (East) first Floor.
Kolkata- 700001

M/s Rupson Industries.
5741, Basti Harphool Singh,
Behind Sadar Bazar Police Station,
New Delhi- 110006, Delhi

M/s. Gauges Bourdon (I) Pvt. Ltd.
Moonsun Apartment, 5th Floor, Kaikhali, V.I.P.Road,
Near United Bank of India,
Kolkata-700052 (Assam)

M/s Bishnujyoti Enterprise,
Narangi, Pathorquary, Behind Hinduston College
Near Aamaar Ghar, H.No. -43,
Guwahati-781171 (Assam)

M/s V. Automat & Instruments (P) Ltd.
AUTOMAT HOUSE: F-61, Okhla Industrial area. Phase-1,
New Delhi-110020

M/s Nagman Instruments & Electronics (P) Ltd.
Nagman Complex, 27th KM Stone
Chennai- Baglore National – Highway
Nazarathpat (Via) Chembarambakkam
Chennai – 600123, Tamilnadu. (INDIA)

M/s Siddhartha Engineering & Sales.