

Tender No: MTL/PUR/313/UPS-Battery/2019-20/9

Date:-24/06/2019

To

Type Of Bid : **LIMITED TENDER**
Bidding type : **Single Bid**
Bid closing On : 09/07/2019 at 14.00 hrs.(IST)
Bid Opening On : _____
EMD : As per Annexure I of the NIT

ASSAM GAS COMPANY LIMITED invites Limited tenders for the items detailed

Sl No.	Item No/Item Code	Item Description	Unit	Qty
1	2503-0255	1 KVA online UPS with Battery backup of 120 minutes at full load for all the capacities Battery VAH should be minimum 2700 VAH (Battery Bank consist of 3 Nos. of 12 Volt battery 65 A H output).	No	06

NB: Technical Specification for 1 KVA UPS, as per Annexure – II enclosed.

Terms & Conditions for Limited Tender.

1. The bidder should quote their rates with applicable taxes etc. as per the FORMAT

Given below:-

Item No./Mat. Code	Material Description	Unit	Rate/Unit (INR) (A)	GST @% (B)	Freight (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.

Cont'd...P/2

3. Sealed envelope containing the bid duly filled in as per above Format on bidders letter head should reach 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/band called than 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 shall not be considered.

5. **Validity** : The bid must be valid for 90 days from the date of opening of the bid.

6. **Delivery**: The ordered materials shall have to be delivered at AGCL's stores at Duliajan within 15(fifteen) days from the date of receipt of the Purchase Order by Fax/Email etc. FOR other than Duliajan shall not be accepted.

7. **EMD**: The bidder has to submit EMD with respect to the total value of supply with reference to the Annexure – I in the form of Bank Draft drawn in favour of Assam Gas Company Limited payable at Duliajan. The EMD will be released on completion of complete delivery and acceptance of materials. The EMD will be forfeited by the company in case party fails to supply the materials. The EMD of unsuccessful bidders shall be refunded after issue of the Purchase Order to the successful bidders.

8. **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

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

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

11.Guarantee/Warrantee: Guarantee/Warrantee shall stand as per Manufacturer Certificate. Guarantee should be survived for minimum 12 months. Bidder has to confirm submission of M.T.C

12. **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

13. 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 : agemat 2 @ gmail. Com. Fax No. 0374-2800557

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

<u>ESTIMATE TOTAL 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

S.N.	PARAMETERS	SPECIFICATIONS
1	Capacity	1KVA
	Battery Backup	120 Minutes at full load for all the capacities. Battery Bank consist of 3 Nos. of 12 Volt battery with minimum 65AH output
2	General	
	Inverter Technology	Pulse Width Modulation (PWM) using IGBTs, double conversion.
	Total Harmonic Distortion (THD) Voltage	< 3% for 100% linear load < 5% for 100% non-linear load
	Noise level	Less than 45 db @ 1 meter
	Operating Temperature	0°-45° C
	Crest Factor	Not less than 3:1 on full non-linear load
	Humidity	Up to 95% non-condensing
	Output Wave Form	Pure Sine wave
	Cold Start facility	Required
	Cooling	Air cooled
3	Input	
	Voltage Type	AC Single Phase
	Voltage Range	160 V AC to 270V, AC
	Frequency Range	50 ± 6% Hz
	Input Power Factor	0.85.
	Distortion	Less than 5%
	Compatibility	D/G set
	Input THD	<5%
4	Output	
	Voltage	230V AC ±1% Single Phase
	Regulation	Less than ± 1% in the following conditions 1. No load to full load/Full load to no load 2. 0.6 lag to Unity PF. 3. During Entire Backup time. 4. Complete Input Voltage Range
	Output Power Factor	0.8 Lagging
	Output Waveform	PWM Sine Wave
	Crest Factor	3:1
	Frequency	(a) 50 Hz ± 0.5 %
5	Efficiency	
	Overall Efficiency	80 % or better on rated full load of 0.8 PF & 230V, 50Hz AC output

	Inverter Efficiency	90% or better on rated full load of 0.8 PF & 230V, 50Hz AC output
6	Overload Capacity	110 % for 2 min. & 125% overload for 30sec.
7	Transient Response Time	For 100% load change, output must remain within $\pm 1\%$ and recovery within 20 ms.
8	Protection	Required for : Input & Output over & under voltage, Output Over Load, Output Short circuit Battery Low trip, Over Temperature, Input low/ high voltage control & DC low/high voltage trip. If the UPS shut down after permissible or deep discharge, it should switch on automatically after mains power restoration.
9	Battery Bank Details	
	Battery Type	Sealed Maintenance Free
	Battery Make	Exide / Luminous.
	Battery recharge time (after complete discharge to 100% charge) & charger rating.	Battery recharge time should not exceed 8 hours and charger should be capable of charging battery bank on C10 rating.
	Battery Cut off voltage during backup	Not less than 10.5V
11	Battery Capacity	
	Capacity of UPS	Battery Bank for Back-up Time
		120 min.
	1 KVA	>2746 VAH
12	L.C.D. meter	To measure and monitor input voltage, output voltage, output current, DC current, DC voltage, input / output frequency
13	Indications	Mains on Load on Battery Inverter on Battery level Load level Inverter over load
14	Audible Alarm	Over Temperature Main failure Battery low Inverter Overload Trip conditions.
15	Switches	Main ON/OFF MCB Battery ON/OFF MCB/Fuse Inverter push button with reset.
16	Output Connection	O/P Terminals of standard quality should be provided. 02 Nos. of 5/15A/230V female ISI/IEC Mark Socket and all 2 sockets should also be provided in addition to the O/P Terminals
17	Isolation Transformer	Galvanic Isolation through Transformer
18	Static & Manual Bypass	Required
More than two battery banks should not be used in parallel in any configuration. The UPS should be supplied with 5 meter of required rated power cable (copper) and other accessories for providing input power supply to UPS. Bidders must mention the rating of power cable for UPS separately.		