

Tender No. : DID4780L15/L3
Tender Date : 05.09.2014
Bid Closing On : 16.10.2014 at 13:00 hrs.(IST)
Bid Opening On : 16.10.2014 at 13:00 hrs.(IST)

Tender issued to following parties only:

Slno	V_Code	Vendor Name	City/Country
1	200311	VENUS CONTROLS & SWITCHGEAR PVT. LT	KOLKATA
2	202289	U.K. ENTERPRISE	GUWAHATI
3	203062	GLOCON	TINSUKIA
4	204092	S P ENTERPRISES	KOLKATA
5	204509	RIGHILL ELECTRICS PVT LTD.	BHOPAL
6	204819	PYROTECH ELECTRONIC PVT LTD	NEW DELHI
7	209918	NATIONAL SWITCHGEARS	CHENNAI

OIL INDIA LIMITED
(A Govt. of India Enterprise)
P.O. Duliajan-786602, Assam

E-mail:material@oilindia.in, **Fax No.**91-374-2800533

Tender No. & Date : DID4780L15/L3 05.09.2014

Bid Security Amount : INR 0.00 OR USD 0.00
(or equivalent Amount in any currency)

Bidding Type : Single Bid (Composite Bid)

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Performance Guarantee : Not Applicable

OIL INDIA LIMITED invites Limited tenders for items detailed below:

Item No./ Mat. Code	Material Description	Quantity	UOM
10 99077680	<p><u>MONITORING SYSTEM ,NGR</u></p> <p>Fail Safe Neutral Grounding Resistor (NGR) Monitoring System for monitoring healthiness of the existing NGR (33 Ohms, 30 Sec, Stainless Steel Wire Resistive element) of 11KV, 3MW Alternator.</p> <p>NGR Monitoring System complete with NGR Monitoring Relay, Sensing Resistor (Voltage: 8400 V ac, Resistance: 100 K Ohm), Current Sensor (Primary Current: 200A) and other component & accessories.</p> <p>1) NGR Monitoring Relay shall be microprocessor based and capable for detecting failure of NGR and ground faults. NGR Monitoring Relay shall continuously measure neutral current(NGR Current), Generator neutral to ground voltage, and neutral to ground resistance to continuously determine that the NGR is intact.</p> <p>2) NGR Monitoring Relay shall continuously measure NGR resistance in an unfaulted system and shall trip if NGR resistance varies from its calibrated value.</p> <p>3) Power Supply to the monitoring relay shall be of 240VAC +/- 10%</p> <p>4) Operating Temperature of Sensing Resistor shall be -10 deg.C to 60 deg.C.</p> <p>5) Sensing Resistor shall be capable to withstand voltage upto 8,400 V AC.</p> <p>6) Overall connection diagram of the system shall be provided along with the bid.</p> <p>7) Detailed technical specification of the various components shall be provided along with the bid.</p> <p>8) Requirement includes Design, Assembly, Supply & installation of Fail Safe NGR Monitoring System, for monitoring healthiness of existing NGR (NGR Make- National Switchgear) of 3MW, 11KV Generator (Make -</p>	2	NO

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	<p>KATO). Generators are already fitted with 11KV, 197A, 33 Ohm, 30 Sec, Stainless Steel Wire Resistive element NGR. Schematic drawing of existing NGR is attached.</p> <p>9) Design of the NGR monitoring system shall be based on the devices like NGR Monitoring Relay (SE-330), Sensing Resistor (ER-15KV), Current Sensor (CT200) of internationally reputed manufacturer M/s Littelfuse STARTCO, Canada or equivalent.</p> <p>10) NGR monitoring system shall be housed in a self supporting, cubicle type, indoor enclosure. Enclosure must be dust / vermin proof and weatherproof with IP 54 degree of protection. Enclosure shall be made of 14 SWG MS CRCA sheets and built upon suitably sized MS angle iron frame work. The entire metal work must be given seven tanks anti corrosion treatment and then powder coated. Color - DA Grey. Suitable engraved, corrosion resistant legends shall be used.</p> <p>11) The buzzer and indication lights/test/reset buttons etc. shall be mounted on the front door of the enclosure.</p> <p>12) The output contacts of the NGR monitoring relay shall be used to operate alarms (buzzer) and visual annunciation devices. Potential free output contacts (minimum 02 pairs) shall be provided for use such as tripping of main breakers etc.</p>		
	Installation & Commissioning		
10	Installation & Commissioning in GTG # 1	1	AU
20	Installation & Commissioning in GTG # 2	1	AU

Standard Notes: (1) VALIDITY : Your offer must be valid for 75 days from the date of bid opening. Offer with inadequate validity will be rejected.

(2) The offer should be submitted in Duplicate.

(3) Any sum of money due and payable to the contractor (including Security Deposit refundable to them) under this or any other contract may be appropriated by Oil India Limited and set-off against any claim of Oil India Limited (or such other person or persons contracting through Oil India Limited) for payment of a sum of money arising out of this contract or under any other contract made by the contractor with Oil India Limited (or such other person or persons contracting through Oil India Limited).

(4) In the event you authorize your dealer/stockist/channel partner to quote on your behalf, the dealer/stockist/channel partner while submitting bid should mention on the body of the envelope that they are submitting bid on your behalf.

In the event the dealer/stockist/channel partner do not mention the name of their OEM/principal on the body of the envelope, the offer shall be treated as unsolicited offer and will not be considered for opening.

The dealer/stockist/channel partner should take note of above while submitting bid on behalf of their OEM/principal.

(5) For order with F.O.R. Destination term, 100% payment against despatch documents will not be entertained. In this regards please refer payment terms in ANNEXURE-MM/TENDER/LP/01/06.

(6) To evaluate the inter-se ranking of the offers, Assam Entry Tax on purchase value will be loaded as per prevailing Government of Assam Guidelines as applicable on bid closing date. Bidders may check this with the appropriate authority while submitting their bids.

(7) Bidder must mention page no./nos. in every pages of their offer.

(8) Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the NIT terms and conditions of NIT.

(9) Bidder should clearly mention their name and address on the outside of the envelope containing their offer.

(10) In the event of receipt of only a single offer against the tender within B.C.date, OIL reserves the right to extend the B.C. date as deemed fit by the company. During the extended period, the bidders who have already submitted the bids on or before the original B.C date, shall not be permitted to revise their quotation.

11) Materials to be delivered at OIL INDIA LIMITED, MORAN, ASSAM. The bidder should clearly mention the delivery destination in the offer.; otherwise offer will be rejected.

Special Notes : 1) The bidder shall quote separately for the Installation & Commissioning works of the system.

2) Bids complete with installation & commissioning of the NGR Monitoring System will only be considered for technical evaluation. Bids only for supply of materials shall not be considered for technical evaluation.

3) The supplier of the NGR Monitoring System shall be responsible for installation & commissioning of the same. 30% costs of the materials shall be retained by OIL till successful commissioning of the system at Moran Power Station.

4) Materials shall be procured from the reputed manufacturers or from their authorised dealers having experience of supplying NGR Monitoring systems for 11KV Generators / Transformers. In case of authorised dealer, valid dealership certificate shall be enclosed along with the offer.

5) Experience:

(a) In case quoted system is not based on SE330 NGR Monitoring Relay, CT-200 Current Sensor & ER-15KV Sensing Resistor of Littelfuse STARTCO, then Supplier should produce documentary evidence from any State Govt. / Central Govt./ PSU, showing successful operation of the quoted NGR monitoring system in a 11KV Generator or Transformer for at least 3 years. As documentary evidence purchase order/work order with successful job completion certificate, performance certificate etc. from the customer may be produced.

(b) Supplier should produce documentary evidence showing experience of supplying,

installation & commissioning at least one NGR Monitoring System in last 5 years in any State Govt. or Central Govt. or PSU.

6) Technical catalogues, dimensional drawings, schematic diagram including all the components and complete bill of materials shall be submitted along with the offer for technical evaluation of the bid.

7) The NGR Monitoring System shall be guaranteed for minimum one year period from the date of commissioning.

8) All the materials shall be despatched/delivered directly to Chief Engineer (Electrical), Electrical Department, Oil India Limited, Moran - 785669, Dist. Sivasagar, Assam. Packing of materials should be adequate to avoid transit damage and ingress of water etc.

9) 3(Three) sets of maintenance and operating manual shall be supplied along with the materials.

10) Pre-Despatch Inspection & Testing:

(i) Pre-despatch inspection & testing of the NGR Monitoring System shall be done by OIL's deputed engineer at the manufacturer's works. The supplier should intimate OIL 15 days in advance so that OIL can depute engineer for inspection & testing.

(ii) Materials shall be dispatched only after factory acceptance test results comply with the specifications and testing results are within the tolerance limits.

(iii) Materials / equipments failed to conform to the specifications during testing, OIL's Engineer shall have the right to reject the materials and in that case, the supplier will either replace the rejected materials or make necessary alterations to the satisfaction of OIL, to meet specifications requirements free of costs.

11) Bidder to mention approx. gross weight & volume of the consignment.