

ANNEXURE : II

Other than the vendors to whom the enquiry has been issued, interested vendors who wish to participate in the tender may apply with proper credentials and other relevant details so as to reach Head-Materials, Oil India Limited, P.O. Duliajan, Dist. Dibrugarh, Assam – 786602 (e-mail : material@oilindia.in, Fax : 0374-2800533) within 10 days of publication of the tender on OIL's website.

The vendors must fulfill the following conditions:

- i) The party should have 03 (three) years' experience as on the Bid closing date for the same item.
- ii) The party should have received one order for at least 50% quantity in last 03 (three) years' (as on the Bid closing date) for the item from any reputed firm.
- iii) Annual turnover of the firm in any of the last 3 (three) financial years or current financial year should be more than Rs.05.15 lakhs.

NOTE:

- a. The applicant must meet the above qualifying criteria for which documentary evidence should be enclosed by the applicant with the application without which tender document shall not be issued.
- b. Relevant documents in support of experience, last order and annual turnover must be submitted along with the application.
- c. Application without complete supporting document will not be considered.

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Tender No. : DID5691L15/L5
Tender Date : 16.12.2014
Bid Closing On : 12.02.2015 at 13:00 hrs.(IST)
Bid Opening On : 12.02.2015 at 13:00 hrs.(IST)

Tender issued to following parties only:

Slno	V_Code	Vendor Name	City/Country
1	200642	CHLORIDE INDIA LTD	KOLKATA
2	200910	LUCAS INDIAN SERVICE LTD	KOLKATA
3	201109	STANDARD BATTERIES LTD	KOLKATA
4	202004	AMCO BATTERIES LTD ,	KOLKATA
5	202896	EXIDE INDUSTRIES LTD.	GUWAHATI
6	203914	HBL POWER SYSTEMS LTD	HYDERABAD
7	205097	KIRLOSKAR BATTERIES PVT. LTD.	BANGALORE

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 : DID5691L15/L5 16.12.2014

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

Bidding Type : Single Bid (Composite Bid)

Bid Closing On : 12.02.2015 at 13:00 hrs. (IST)
Bid Opening On : 12.02.2015 at 13:00 hrs. (IST)

Performance Guarantee : Not Applicable

OIL INDIA LIMITED invites Limited tenders for items detailed below:

Item No./ Mat. Code	Material Description	Quantity	UOM
10 0C000028	<p><u>BATTERY</u></p> <p>Technical Specification:</p> <p>I. General:</p> <p>1) Supply, Installation and commissioning of Sealed, Maintenance Free and Valve Regulated Lead Acid (VRLA) type battery bank.</p> <p>2) Nominal Battery Bank Voltage: 125 V DC, having 60 cells & Nominal Capacity of 300 AH at C10 rating (i.e. Capacity of the battery bank when the battery bank is discharged at a constant current of 30 A in 10 hours).</p> <p>3) Use: The battery bank shall be used as Battery Bank for Gas Turbine Unit having following main loads:</p> <p>a) 125 V DC control power to GTG Control & Protection System.</p> <p>b) 125 V DC power to 1 no Turning Gear DC motor of capacity 5 HP (35.9 FLA), 1 no Secondary Lube oil pump DC motor of capacity 3 HP 22.4 FLA) and 1 no Clutch Air Compressor DC Motor of capacity 1.5 HP (11.2 FLA)</p> <p>c) Emergency DC power for 2 nos 1 KW, 1 ph 230 V- UPS System.</p> <p>4) The Unit Battery bank shall normally remains on float charge.</p> <p>5) The 125 V DC systems at the power station are ungrounded.</p> <p>6) Charging: The battery bank shall be capable of being charged and loaded with existing 125 V DC, Automatic Single Phase Full Wave SCR controlled float cum boost charger.</p> <p>II. Technical Specification of the Battery Bank: The technical specifications of the battery bank are given below. Bidder will categorically confirm that the offered battery bank meets all the requirements. Any deviations shall be mentioned specifically:</p> <p>1) The Battery Bank shall consist of Sealed, Maintenance Free, Valve Regulated Lead Acid (VRLA) type battery cells i.e. water top-up shall not</p>	1	NO

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Item No./ Mat. Code	Material Description	Quantity	UOM
	<p>be required throughout its life.</p> <p>2) Nominal Battery Bank Voltage & no of cells: 125 V DC \pm 5% having 60 nos cells.</p> <p>3) Nominal Capacity: 300 AH at C10 rating.</p> <p>4) Each Battery Cells shall have individual Positive Plates, Negative Plates, Separators, Safety Valves, Container and Positive & Negative Terminals. These components shall meet following requirements:</p> <p>a) Positive Plate: Flat pasted type with Lead-Calcium High Tin alloy grid to resist corrosion & provide longer life or equivalent.</p> <p>b) Negative Plate: Flat pasted type with Lead-Calcium alloy grid for maintenance free characteristics or equivalent.</p> <p>c) Separator: Low resistance, high porosity and highly absorbent type glass mat separator (AGM) type or equivalent.</p> <p>d) Electrolyte: High purity Sulphuric Acid (H₂SO₄) to maximize its shelf life.</p> <p>e) Terminals: Lead plated Copper inserts for high conductivity.</p> <p>f) Safety Valve: Self resealing, pressure regulated and explosion proof type.</p> <p>g) Container: The container and cover shall be made of lightweight, sturdy and acid & weather proof materials. It shall be of high impact flame retardant Polypropylene co-polymer, ribbed jar design for better heat dissipation and strength.</p> <p>h) Sealing: Container and Cover sealing method shall be of Heat Sealing type for better joint strength.</p> <p>5) The Inter Cell Connectors shall be Heavy Duty Lead Plated Copper connectors or Copper Cables with suitable Cable lugs/ sockets.</p> <p>6) The battery bank shall be supplied along with proper Steel Racks for stacking the cells along with transparent front covers. The bidder shall indicate the method of stacking the cells in the racks. The rack shall include cell mounting fixtures and cell insulators as required. The rack shall be painted with acid resistant paint (white/ gray colour) and all nuts & bolts shall be acid resistant.</p> <p>7) The battery bank shall be of stack-able design in order to reduce installation space requirement (approximate dimension of the battery bank shall be: L= 2m, H= 1.5 m, B= 0.5 m).</p> <p>8) The battery bank shall not emit corrosive fumes and the battery bank shall be capable of being stored and operated in non- ventilated rooms (size approximately 4.5m x 7.5m).</p> <p>9) The battery bank shall be designed for high integrity and long life.</p> <p>10) The battery bank shall be leak proof and explosion proof.</p> <p>11) The battery bank shall provide enhanced performance at wide range of ambient temperatures approximately 0 deg C to +50 deg C.</p>		

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Item No./ Mat. Code	Material Description	Quantity	UOM
	<p>12) The battery bank shall be supplied in factory charged condition, ready to install & use immediately on receipt.</p> <p>13) The battery bank shall provide simple cell replacement capability for any cell replacement after prolonged use.</p> <p>III. Accessories: The party shall supply following Accessories along with the Battery bank:</p> <p>1) Ready to install spare battery cells; complete with required valves, container, caps etc., as required: 6 nos</p> <p>2) Spare battery gas vent caps minimum 20 nos.</p> <p>3) Suitable sized insulated Spanner: 1 no.</p> <p>4) Nuts/ bolts/ terminals/ other fasteners suitable for battery applications as required for commissioning.</p> <p>IV. Informations to be provided: Bidder shall provide the following informations along with the bid, without which the bid shall be treated as incomplete:-</p> <p>1) Construction details and features of the battery cells.</p> <p>2) Standards to which the batteries and the components conforms</p> <p>3) AH and WH efficiency expected under normal working conditions.</p> <p>4) Self discharge rate @ 25 deg C.</p> <p>5) Service Life/ Cycle Life expected.</p> <p>6) Boost charge cycle/ requirement:</p> <p>7) Float charging requirements:</p> <p>8) Time required for charging the battery bank from fully discharged condition to at least 90% of fully charged condition.</p> <p>9) Minimum cell voltage to which the cells can be discharged.</p> <p>10) Voltage of fully charged cell (single cell voltage).</p> <p>11) Allowable Ripple tolerance.</p> <p>12) Nature of gases discharged during operation/ charging, and the rate of such discharge, if any.</p> <p>13) Details/ address of organizations rendering after sales service.</p> <p>14) Environmental requirements for operation: Temperature, Humidity, Enclosure, Ventilation required.</p> <p>15) Space requirements. Bidder shall submit layout drawing of the battery bank showing</p> <p>a) Battery bank stacking arrangement:</p> <p>b) Minimum clearances required on all sides of the battery bank:</p> <p>16) Cabling requirements: Size/ type of cable recommended connecting battery to charger and load.</p>		
	Installation & Commissioning of Battery		
10	<p>Installation & Commissioning of Battery</p> <p>Installation & Commissioning of New 125 V, 60 Cell-300 AH Battery Bank.</p> <p>Installation & Commissioning:</p> <p>(i) The party shall quote separately for Installation & Commissioning of</p>	1	AU

<p>the Battery Bank and the bidder must ensure installation & commissioning of the of the battery bank at site, without which the offer will be rejected.</p> <p>(ii) The supply, installation & commissioning shall be done from same source (this required is to ensure supply, installation & commissioning of all the items together).</p> <p>(iii) Job shall be treated as complete only after completion of the successful Installation & Commissioning of the battery bank at OIL's Duliajan Power Station.</p>		
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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.

Special Notes : 1) The items shall be procured only from original equipment manufacturer (OEM) or their Authorized dealers.

2) In case of Dealer, party must submit copy of their valid Authorisation certificate, without which offer shall not be considered for evaluation.

3) The bidder shall provide technical literature/ Catalogue of the items along with their offer for technical scrutiny, failing which the offer will be liable for rejection.

4) The bidder shall mention the IS or IEC reference of the offered items.

5) The bidder shall confirm in the bid that routine test & warrantee certificates of batteries will be forwarded along with the material.

6) Markings:

a) Markings on the Battery cells: All the Battery cells shall be marked with manufacturer's name, Recognized Trade Marks, Serial No., Type, Nominal Cell Voltage, individual Amp Hr capacity, cell weight, Year of Manufacturer and Ref. of IS/IEC Standard.

b) Markings on the Battery Bank : The Battery bank shall be marked with Manufacturer's Name, Recognized Trade Marks, Job no/ Serial No., Total no of Cells, Nominal Battery Bank Voltage, Total Amp Hr capacity, Gross Weight, Year of Manufacturer and Ref. IS/IEC Standard etc.

7) Tests/ Pre-dispatch Inspections: The battery bank shall be inspected and tested by OIL's engineers at supplier's work before dispatch. Supplier shall arrange to conduct tests at their works/ factory in presence of OIL's representatives. Supplier shall intimate date of inspection at least 3 weeks in advance. The following minimum tests shall be performed:

(i) Capacity tests to demonstrate capacity of cells.

(ii) Routine tests shall be carried out as applicable.

The dispatch clearance shall be issued only after observing satisfactory performance during inspection.

8) Painting and Preservation:

a) All parts of the battery bank & its auxiliaries shall be free from cracks, pits, blow holes, seams and other manufacturing defects.

b) All metallic parts of the battery stack shall be protected against rust by suitable coating or paint.

9) Documents :

a) The bidder shall supply, as part of the order 3 sets of the following documents in hard bound form, along with supply of the battery bank:-

(i) Operating/ Service instruction booklets.

(ii) Original test reports/ Certificates.

(iii) The Dimensional drawing of Battery Cells.

(iv) The General Arrangement drawing with minimum clearances required on all sides of the battery stack.

(v) Material Safety Data Sheet (MSDS) for any hazardous substance (as listed under "Hazardous Substances Storages And Handling Rules") used in the batteries, or required to be stored at site for maintenance of the cells.

(vi) Bill of materials.

(vii) List of spares for the battery bank to be stocked at site for maintenance, adequate for two years. The spares list must include part no. of each component so that the spares can

be procured in future, by indicating the part numbers.

10) Packing: Packaging of the battery bank & its auxiliary components shall be adequate enough to avoid any transit damages.

11) Bidder shall confirm to provide spares and service back-up for at least 10 years after commissioning of the items.

12) Warranty of Battery Bank: The battery bank shall be warranted for a period of 18 months from the date of supply or 12 months from the date of commissioning at Duliajan Power Station whichever is earlier. The party must replace any equipment found defective during the warrantee period. Warranty certificate shall be provided along with supply of the items.

13) Bidder must confirm every detail of items as specified in the enquiry. Any deviations must be clearly mentioned which shall be securitized for acceptability. Specific type and make of components shall be mentioned clearly. The bidders shall summarize the deviations /modifications separately in their offer document with a heading "Deviations /Modifications" otherwise they will write "NO DEVIATION FROM ENQUIRY". Deviation of any kind shall not be allowed at the time of supply.

14) Payment terms: Payment against total cost shall be made as follows:

- a) For supply:** 90% against despatch documents and balance 10% after receipt and successful installation & commissioning of the items at site.
- b) For Installation & Commissioning:** 100% payment after successful installation & commissioning of the items at site.