

IMPORTANT NOTE

BID DOCUMENT HAS BEEN DISPLAYED BELOW TO UNDERSTAND THE REQUIREMENT ONLY. PARTIES INTERESTED TO PARTICIPATE AGAINST THIS TENDER SHALL HAVE TO PURCHASE THE TENDER DOCUMENTS FROM ANY OF OIL'S DESIGNATED OFFICES MENTIONED IN THE TENDER NOTIFICATION GIVEN BELOW. PROOF OF PURCHASE OF TENDER DOCUMENT MUST BE SUBMITTED ALONGWITH THE OFFER, FAILING WHICH OFFERS WILL BE TREATED AS UNSOLICITED.



OIL INDIA LIMITED
(A Govt. of India Enterprise)
P.O. Duliajan-786602, Assam
E-mail:material@oilindia.in, Fax No.91-374-2800533

OIL INDIA LIMITED invites sealed tenders for the following:

Tender No.	B. C. Date	Material Description
DID6004P08/GC	27.09.2007	Electronic Load Moment Indicator (LMI) System = 9 Nos.

2.0 Bid documents (Non transferable) can be purchased from 30.08.2007 till one day prior to the respective B.C. Dates on payment of tender fee of Rs.1,000.00 (excepting for PSUs and SSI units registered for the item) each through Crossed Demand Draft in favour of M/s. Oil India Limited payable at the place of purchase of tender document from

- Head - Materials, Oil India Limited, P.O. Duliajan, Assam -786602
- Head -Calcutta Branch, Oil India Limited, 4,India Exchange Place, Kolkata - 700001
- Senior Adviser(Contract & Purchase), Oil India Limited, Plot No. 19, Sector- 16 A, NOIDA-201301
- Adtl. Chief Materials Manager (Pipeline), Oil India Limited,PO: Udayan Vihar, Guwahati - 781171.

3.0 Detailed tender document will be available in OIL's website www.oilindia.nic.in

4.0 To be eligible for issue of tender documents, the applicant must meet the following qualifying criteria (documentary evidence to be provided) :

i. Successful execution of a single order of value not less than the amount shown below for supply of similar items during last five years:

Tender No.	Single Order Value in Lakhs (Rs.)
DID6004P08/GC	20.25

ii. Annual turnover of the firm in any of the last three financial years or current financial year should be more than the amount as below :

Tender No.	Annual Turnover in Lakhs (Rs.)
DID6004P08/GC	40.50

OIL INDIA LIMITED
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P.O. Duliajan-786602, Assam

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

Tender No. & Date : DID6004P08/GC 24.07.2007

Bid Security Amount : INR 102,000.00 OR USD 0.00
(or equivalent Amount in any currency)

Bidding Type : Single Bid (Composite Bid)

Bid Closing On : 27.09.2007 at 13:00 hrs. (IST)

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Performance Guarantee : Applicable

OIL INDIA LIMITED invites Limited tenders for items detailed below:

Item No./ Mat. Code	Material Description	Quantity	UOM
10 0C000001	Electronic Load Moment Indicator (LMI) System for installation & Commissioning on different mobile hydraulic cranes. Supply complete with all accessories, fittings, tool kit etc. <u>Detailed specifications, terms & conditions as per Annexure-A enclosed.</u>	4	NO
20 0C000001	Same as Item 10 above but without items at Sl. No. 4.0, 5.0, 6.0 & 7.0 of Annexure-A (to refer para. 14.0 Important Note of Annexure-A).	5	NO

Special Notes : (1) 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.

1.0 REQUIREMENT

Electronic Load Moment Indicator (LMI) system for installation & commissioning on different mobile hydraulic cranes. Supply complete with all accessories, fittings, tool kit, etc.

- Note** -
- a. Product catalogue with load chart generally made available by crane manufacturers shall only be provided to the bidder against each model of crane for reference/system calibration, as applicable, on request.
 - b. For any further details, bidder may physically inspect the crane/s at OIL, Duliajan with prior intimation.

2.0 FEATURES

- a. Electronically controlled unit.
- b. Digital display of lift parameters.
- c. *Motion Cut* (to cut off 3 operations – *Derrick Out*, *Tele Out* & *Hoist Up* – in the event of unsafe crane operation).
- d. Over-hoisting cut off (A-2-B facility).
- e. Over-lowering cut off.
- f. Duty - *On Outriggers* 360° continuous slew lifting duty.
- g. Compatibility up to 60 MT load rating.
- h. Data Logging facility - Internal composite data logging capable of recording data for min. 6(six) months duration i.e. to internally store lift information viz. date, time, load lifted, radius, boom length, SWL and other relevant parameters to use those later on as required. Logged data output through printer & laptop.

3.0 OTHER SPECIFICATIONS, FITTINGS & ACCESSORIES

- a. Latest design, new & recent manufacture.
- b. Connectivity between different components through wire (i.e. wired system).
- c. Operation through 24V power supply of the crane. (All existing solenoids are of 24V rating. *Motion Cut* solenoids need not be supplied – already available in the cranes.)
- d. Overload/voltage protection.
- e. Suitable to operate under following climatic condition –

Ambient Temperature	- 10 ⁰ to 45 ⁰ Celsius.
Rainfall	- Heavy.
Humidity	- 60% to 100% RH.
- f. Hermetically sealed components.
- g. Activation through ignition/master switch inside operator's cabin – not through switch inside driver's cabin (for truck mounted cranes).
- h. Audio as well as visual alarm in the event of *Motion Cut*.

- i. Emergency Override Switch for *Motion Cut* – pull type switch.
- j. Electrical wires/cables in suitable conduits properly bracketed.
- k. Electrical cable connection between different components through plug-in sockets only.
- l. Display Unit with proper mounting arrangement.
- m. Suitable rubber mounting for CPU box, if any, to take care of vibration.
- n. Suitable guard for reeling cable.

4.0 ADDITIONAL FITMENT

One set of Non-wired A-2-B system for fitment in one unit. It shall include all necessary components like A-2-B unit with transmitter, receiver, connecting cable/s, reeling wire, power source, etc.

5.0 CALIBRATION SOFTWARE, HARDWARE & TOOL KIT

- a. System calibration software & hardware including those for data logging & output viz. Programmed Digital Screwdriver (DSD), Software in laptop, data link cable, printer, etc. as applicable.
- b. Mechanical & electrical Tool Kit in suitable box for complete maintenance of the units.

Note - Only 1(one) set of above (a) & (b) against complete supply.

6.0 MANUALS & CATALOGUES

Supply of 4(four) sets of Spare Parts Catalogue and Workshop & Service Manual in printed form covering all major components & sub-assemblies/systems complete with drawings, electrical circuits, etc. In addition, the same in compact disc (CD) format, if possible, shall also be supplied.

7.0 SPARE PARTS

- a. The following spares in specified quantities (total spares against all units) shall be supplied along with the units -
 - i. Reeling cable - 5 Nos.
 - ii. Load Sensor - 2 Sets (set comprises of sensor/s for one crane)
 - iii. Angle Sensor - 2 Nos.
 - iv. Length Sensor - 2 Nos.
 - v. A-2-B Unit - 2 Nos.
- b. In addition to above, bidder shall submit a list of 2(two) years maintenance spares with description, Part Nos., Make, Model and Unit Price along with the bid for future reference (not for bid evaluation).

8.0 DELIVERY

All units along with fittings, accessories, tools, manuals, etc. shall be delivered to OIL, Duliajan, Assam in one lot within 3 (three) months from date of placement of firm order.

9.0 INSTALLATION & COMMISSIONING

- a. All the units shall be commissioned by the supplier at site within 2(two) months from date of receipt of the units at Duliajan.
- b. Supplier will be held responsible for delay in completion of commissioning and in case of default; the Liquidated Damage clause stipulated elsewhere in the tender would be made applicable.
- c. Cranes for system installation and commissioning shall be provided two at a time. It shall be though OIL's endeavour to provide all the cranes within the stipulated timeframe, there shall be no binding on OIL's account to do so – due to operational requirements.
- d. Any modification in the dash panel, extra fittings/accessories required shall be arranged by the supplier.
- e. Welding/cutting machine with manpower for minor jobs and general tools including drill machine, grinding machine, etc. shall be provided by OIL. Any special electrodes as well as special tool/s required shall be arranged by the supplier.
- f. Time required for installation & commissioning of each unit shall be indicated in the bid.
- g. Accommodation at OIL Guesthouse for commissioning personnel (max. two) of officer level shall be provided subject to availability.

- Note -**
- a. **Commissioning of the units shall not be considered as complete until & unless all the printed manuals/catalogues are received.**
 - b. Supplier shall provide a time schedule for installation & commissioning indicating date & time required for each crane well before receipt of the units at site for approval.

10.0 GUARANTEE / WARRANTY

- a. 3(three) years on-site Guarantee/Warranty - Notwithstanding the Guarantee/Warranty clause(s) mentioned elsewhere in the tender, each unit and its components individually shall be under on-site guarantee/warranty by the supplier for a minimum period of 3(three) years from the date of successful installation & commissioning i.e. 3(three) years guarantee/warranty for each individual unit with effect from the date of successful installation & commissioning of the respective unit.
- b. OIL reserves the right to inspect, test and reject any part/parts found defective (including incomplete manuals, etc.).

- c. It shall be supplier's responsibility to arrange any item/sub-item failed during the warranty period and repair the unit at site at their own cost within 15(fifteen) days from the date of notification. In case of failure to repair within the stipulated period, the warranty for the respective unit shall correspondingly be extended by a period equal to that from the date of failure to the date of re-commissioning. In case the failed component calls for repairing at supplier's works, all transportation arrangement shall be made by supplier only.

11.0 TRAINING

- a. Supplier shall provide training on maintenance & troubleshooting of the system to 4(four) employees and min. 3(three) engineers of OIL in two separate batches at their works/ training centre subsequent to commissioning of the units. Passage & accommodation for OIL's personnel shall be on OIL's account.
- b. Supplier shall provide classroom & practical training on maintenance, troubleshooting and operation of the system to OIL's personnel at site subsequent to commissioning of the units. Accommodation at OIL Guesthouse for faculty (max. two) of officer level shall be provided subject to availability.

12.0 DOCUMENTATION & BID SUBMISSION

Bidder's response to the tender shall clearly be defined – specific details/specifications are to be provided in the bid. Response like - 'As per tender Specifications/ Technical Leaflet', 'Noted', 'Accepted' or in any similar fashion is not encouraged. Submission of technical leaflet alone is also not sufficient.

The followings shall be provided / submitted along with the bid for bid evaluation –

- a. Detailed specifications, Make, Model, etc. along with technical leaflet.
- b. Different data logging facilities/options available viz. intermittent (event driven or time driven), continuous, etc. shall clearly be indicated in the bid.
- c. Drawing showing functional details as well as mounting arrangements of Over-lowering cut off system.
- d. Detailed drawing of reeling cable guard.
- e. Mounting details & drawings of Reeling Drum, CPU (if any), Display unit, A-2-B, etc.
- f. Layout drawing showing positions of all components in the crane.
- g. List of items/components/sub-assemblies that shall be supplied under each LMI set.
- h. List of items that shall be supplied against Additional Fitment.
- i. List of items that shall be supplied under calibration software, hardware & tool kit inclusive of data logging & output.
- j. List of 2(two) years recommended spare parts as detailed elsewhere in this tender.
- k. Training and Commissioning charges, if any.
- l. List of customers to whom similar units were supplied during last 2(two) years.
- m. Any other documents/literatures/drawings mentioned elsewhere in this NIT.

13.0 BID EVALUATION & REJECTION CRITERIA

While bid will be evaluated based on its conformity to the specifications, requirements, terms & condition detailed above as well as commercial aspects, it will be rejected in case of non-fulfilment of the followings –

- a. Bidder must be the manufacturer or Authorised Dealer/Distributor of the product offered. Documentary evidence is to be provided along with the bid. In case of Indian manufacturer, offer shall be directly from the manufacturer itself.
- b. Product of electronic type.
- c. Offer complete with supply, installation, commissioning, training & on site warranty.
- d. Bidder must have supplied 5(five) similar units during last 2(two) years. Documentary evidence of supply with customer address has to be provided.

14.0 IMPORTANT NOTE -

- a. *While item at Sl. No. 10 of tender will be fitted in cranes having single derrick cylinder; item at Sl. No. 20 will be fitted in cranes having twin (two) derrick cylinders. Accordingly, number of Pressure Transducers, if any, required per system shall be indicated & offered.*
- b. *Quantity of items indicted at para. 4.0 Additional Fitment, 5.0 Calibration Software, Hardware & Tool Kit, 6.0 Manuals & Catalogues and 7.0 Spare Parts above are against total supply; same need not be multiplied by number of total LMI units supplied.*
