

Rs. 500/- (Non-transferable)

HOOGHLY DOCK & PORT ENGINEERS LTD.

(A GOVT. OF INDIA UNDERTAKING)

UNIT : NAZIRGUNGE WORKS

P.O. - D.S. Lane, Howrah 711 109

WEST BENGAL - INDIA

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To

OPEN TENDER

For

**MANUFACTURE, SUPPLY, ERECTION, INSTALLATION &
COMMISSIONING OF MARINISED ELECTRO HYDRAULIC DECK
CRANE FOR WORK BOAT – 6 NOS.**

Tender No.:- 10/P/08-09/0154/W.BOATS/DCR

<u>SALE</u>	FROM 23.02.2009 TO 4 PM 16.03.2000
<u>DUE DATE OF SUBMISSION</u>	UPTO 2 PM – 17.03.2009.
<u>DUE DATE OF OPENING</u>	AT 3 PM ON 17.03.2009.
<u>PLACE OF OPENING</u>	NAZIRGUNGE WORKS, HOWRAH – 711 109.

HEAD (MATERIALS)
NAZIRGUNGE WORKS

Notice Inviting Tender No. 10/P/08-09/0154/W.BOATS/DCR

1.0. Sealed offers (in two part bids) are invited from manufacturers/their authorized dealers/Agents for supply, erection , installation & commissioning of Marinised Electro Hydraulic Deck Cranes for Work Boat – 6 Nos. as per technical specification and general terms & conditions appended herewith.

1.1. Pre-qualification criteria :

- (a) Average financial turnover during last 3 (three) years ending 31st March'2007 should not be less than Rupees Seventy Five Lacs.
- (b) (i) Bidders must have executed similar orders for Shipyards during last two years ending 31.03.2008.
- (ii) Bidders must have experience, manufacturing facilities, competent personnel and facilities for after- sales service.

Note :-

Similar order means supply, erection, installation & commissioning of Electro Hydraulic Deck Cranes for Ships/vessels.

1.2. Bidders must have authorized dealers/own establishment for providing services during erection, installation & commissioning and also after-Sales Service and supply of spares.

1.3. Tenders are to be submitted in two parts as follows :-

Part – I (Techno-Commercial Bid) :

To contain the following :-

- (a) Credentials in support of pre-qualification criteria as per clause no. 1.1 & 1.2 .
- (b) Technical particulars of the equipment offered alongwith literature.
- (c) List of equipments, materials, drawings etc. considered in the Scope of Supply.
- (d) List of recommended spares & tools.
- (e) Delivery time for the Cranes & Mode of Delivery.
- (f) Time required for erection, installation & Commissioning of cranes onboard vessels at HDPEL yards.
- (g) Earnest Money Deposit.
- (h) Inspecting authority.
- (i) Terms of Payment.
- (j) Taxes applicable.
- (k) Terms of Payment for supply and/erection, installation, commissioning.
- (l) Weight of each unit.

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- (m) Packing sizes.
- (n) Place/Port of dispatch.
- (o) Validity.
- (p) NIT duly signed as a token of acceptance of the terms & conditions therein.
- (q) Other points (if any).

Part – II : -(Price Bid)

Part – II i.e. the Price Bid is to be submitted as follows :-

- (a) Unit price for the Crane & total price.(inclusive of classification/inspection charges).
- (b) Unit Price for other materials/components & total price.
- (c) Charges for preparation of design & drawings.
- (d) Charges for erection onboard the vessels at HDPEL yards.
- (e) Charges for installation & commissioning onboard the vessels at HDPEL yards.

Note :-

Overseas bidders are to quote FOB prices and indicate the charges for transportation & Insurance upto Kolkata Port, India .i.e. C.I.F. Price.

Both Part I & II separately sealed and marked shall have to be submitted under one sealed cover superscribing the tender enquiry number and due date of submission in the tender box at Nazirgunge Works positively within due date of submission.

Tender documents can be had from the office of Head (Materials), HDPEL, Nazirgunge Works against application and on payment of non-refundable Rs. 500/- (by cash/D.D. in favour of Hooghly Dock & Port Engineers Ltd., payable at Kolkata) on working days between 9.00 to 16.00 hrs except Saturdays & Sundays. Dealers of manufacturers may collect the documents from HDPEL's designated office on application. Request for sending the bidding documents shall not be entertained.

Bidders downloading the documents from HDPEL's website are required to submit the tender fee Rs. 500 / - through Demand Draft alongwith their Techno-commercial bid.

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- 1.4. Earnest Money Deposit :
Tenderers are to submit Earnest Money Deposit for Rs.4,00,000/-(Four lacs only) either in form of Demand Draft in favour of Hooghly Dock & port Engineers Ltd from any Nationalized Bank and payable at Kolkata OR in form of Bank Guarantee as per enclosed format. The EMD shall not bear any interest and shall be returned to unsuccessful bidders. Offers without tender fee and Earnest Money Deposit may be liable for rejection.
- 1.5. Original tender documents duly stamped and signed are to be returned with Techno-Commercial bid as a token of acceptance of terms & conditions therein.
- 1.6. Offers are to be kept valid for a minimum period of 90 (ninety) days from the date of opening.
- 1.7. HDPEL reserves the right to reject any or all the offers without assigning any reason to the tenderers.
- 1.8. Purchase preference in respect of equipment/product of CPSE/CPSU will be applicable for similar equipment on tender as per extant policy of Govt. of India.

**2. Technical Specification of Electro-Hydraulic Deck Crane for WORK BOAT
- 6 NOS.**

The crane should be suitable for **marine application** and its construction shall be based in general on the requirements specified hereafter:

Hoisting capacity at maximum horizontal reach	: 3 tons.
Maximum reach	: 8 meters.
Minimum reach	: 1 meter.
Stewing circle	: 360 degrees.
Hoisting height	: at least 15 meter.
Hoisting speed without load	: 20 m/min.
Hoisting speed with load	: 8 m/min.
Fine hoisting speed	: 0.5 m/min.

Hoisting, slewing and luffing shall be hydraulically operated.

Slewing at full load shall be possible with a heel of the workboat of 5 degrees and 2 degrees trim.

Luffing of the jib with maximum load must be possible at any reach up till 80 degrees (apx) with the horizontal.

The crane to suit for mounting on strong welded foundation with machined top plate, sufficiently supported in the hull construction.

The pillar type supports to be completely closed and provided with an inspection cover.

The hoisting winch to be driven by a hydraulic motor of the radial piston type for two directions of rotation with a built-in automatic brake with damper.

The winch to be equipped with a limit switch, for the prevention of overloading.

The slewing to be performed by hydraulic motors with pinions engaging with the slewing ring, provided with roller bearing and toothed ring and brake with damper.

The luffing of the jib to be performed by one or two hydraulic cylinders with built-in safety valves, suitable for luffing from horizontal up to 80 (approx) degrees above the horizontal.

The cylinder rods to be of chromium plated stainless steel execution.

In case of failure it must be possible to lower the jib to the retracted rest position by manual operation.

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The operating handles to be fitted on a control panels together with start-stop switches of the pump motors, running lights, indicators etc.

All operations of the crane to be performed by easy and accurate adjustable handles. When the handles are released, they have to spring back to the zero position. It should not be possible to start the pump motors when all handles are not in zero position. Maximum load moment safety device, overload and slippage protection to be provided for the various crane functions.

The crane and its components to be suitable for installation on open deck and therefore to be storm – proof execution. All moving and rotating parts to be provided with grease nipples of standard size. Wires to be of galvanized steel. Canvas covers to be delivered for important crane components.

Maximum working Pressure in hydraulik lines should be 175 bar approximately. The Deck Crane shall be hydraulically locally operated , for which a complete individual power pack should be provided. The pump should be electrically driven. Special preventions have to be taken for starting of the pump to avoid an unacceptable generator voltage trip. The Power Pack should be outfitted with controls , safety devices , alarms , cooling facilities , hydraulik oil tank etc

Cranes, including motors, winches etc. to be delivered with certificates of Class (IRS) and test certificates of manufacturers.

Electric motors should be marine duty, Protection class- IP –56 , 415 V AC , Reputed make

Quantity : Six Nos,

Inspection : By Indian Registrar of Shipping and QC (HDPEL) after receipt at yard.

Scope of supply: Complete crane as per specification mentioned above. Electric motor , hydraulic actuator , accumulator if any , storage tank , electrical system , built in piping and crane base (Foundation Pipe) are included in the scope of supply along with Crane. Strength and material of crane foundation should match the classification requirement and should be compatible for welding with Ship Structure which conforms to IS 2062 Gr B.

Scope of Work :

a) **Preparation of Design & Drawing** : Crane Manufacturer has to prepare Design and Drawing for supply of Crane as well as erection of the equipment on board vessel. Structural Drawing of the vessel showing location of crane will be provided by yard , and crane manufacturer to use the same as basis for preparation entire design and drawing for supply and erection. Initial Drawing needs to be sent to the yard for vetting. Later Drawing after corrections will be send by the supplier for class Approval.

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b) **Erection on Board**: Erection of Crane foundation on board vessel is to be considered included in bidder's scope of work. Erection of foundation as per drawing duly approved by class needs to be done by class certified Welders. Bidders to arrange for class certified welders and preparation of class approved foundation Drawing . Bidder to erect the boom Securing arrangement with Ship's structures. Relevant Ship's Structural drawing in way of Crane Foundation will be issued after finalization of contract. Required Manpower, tools, tackles, consumables for erection work are with in scope of supply of the bidders. HDPEL will provide clear site, water and electricity only free of charges.

c) **Installation & Commissioning**: After erection of crane foundation on ship structure, Bidder has to carry out installation , commissioning and load testing of crane on board vessel at Salkia Works and Nazirgunge Works (Howrah) . Cargo Gear certificate from competent authority has to be arranged by Bidder.

Note :-

1. Offer should be submitted along with General Arrangement drawing and detailed technical literature.
2. Offer should be complete with standard tools and spares. Price for tools and spares should be furnished in price bid separately.
3. Bidders are to submit technical particulars of the equipment in line with our requirement depicted above.
4. The Crane should suit to operate on board the vessel , GA drawing of which(Six nos Work Boats) is attached herewith. The foundation of the crane should be so designed that it matches the vessel structure.
5. Crane Height complete with its foundation should not affect the Bridge Visibility.
6. Bidder to confirm that spares of the crane would be available for the next ten years.
7. Crane are to be shop tested in simulated trim and heel condition in presence of attending surveyor and a certificate , in this regard , is to be provided along with shop test certificate for winches and electric motors.

Bidder has to quote separately for **Scope of supply, Preparation of Design & Drawing , Erection on Board, Installation & Commissioning.**

3. **GENERAL TERMS & CONDITIONS**

3.1. Acceptance of Order :

In the event of placement of order, the successful bidder has to convey acceptance of the Purchase Order in writing within seven days from the date of receipt.

3.2. Delivery time:

To be completed within 4 to 5 months.

3.3. Price : –

Price to be quoted by indigenous bidders shall be delivery upto HDPEL basis and FOB basis for overseas bidders. Applicable tax, duties, insurance etc. are to be indicated in the techno-commercial bid.

3.4. Security deposit :

In the event of placement of order the successful bidder has to submit Security Deposit for 5 (five) percent of the order value in form of Bank Draft drawn in favour of Hooghly Dock & Port Engineers Ltd., payable at Kolkata by any Nationalized India Bank or in form of Bank Guarantee as per enclosed format. Security deposit to be submitted shall not fetch any interest and shall be returned/refunded on successful execution of order. Security deposit to be submitted within 15 (fifteen) days from the date of receipt of Purchase Order.

3.5. Performance Guarantee :

Successful bidder has to submit Performance Bank Guarantee for 10% value of the order towards quality of material supplied and performance of the equipments valid for a period of 18 (eighteen) months from the date of commissioning or 24 months from the date of supply which ever is earlier. The Bank Guarantee to be submitted shall have validity of 18 months with additional claim period of one month. Format of Bank Guarantee is **enclosed**.

3.6. Payment :

Payment for supply, erection work, installation & commissioning will be made separately and on negotiable basis.

3.7. Liquidated Damage :

In the even of delay in executing the order beyond the stipulated delivery period, Liquidated damage @ 1 (one) percent per week's delay or part thereof subject to a maximum of 10% of the order value shall be imposed and stand recoverable from the successful bidder.

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3.8. Risk Purchase:

In the event of failure in executing the order within the contractual delivery period, HDPEL reserves the right to cancel the order, forfeit the Security deposit and procure the materials from any other source at the risk & cost of the supplier.

3.9. Force Majeure :

It shall be limited to "Act of God" or Lockout at your Works. The same is not applicable to your sub-contractor. Such information are to be given to the buyer instantly on occurrence.

4. Arbitration & Jurisdiction:

In case of any dispute, the matter shall be settled by arbitration by the Chairman & Managing Director of Hooghly Dock & Port Engineers Ltd. who will be the sole arbitrator. The High Court at Kolkata shall have jurisdiction to deal with and decide any legal matter or dispute whatsoever arising out of this contract.

FOR HOOGHLY DOCK & PORT ENGINEERS LTD.,

HEAD (MATERIALS)
NAZIRGUNGE WORKS

Encl: Formats for Bank Guarantees.(2 nos.)
and G.A Drawing.

PERFORMANCE GUARANTEE

This agreement made this _____ day _____ 200____
between _____

(Name of the Bank & Address)

_____ (hereinafter called the 'Bank' which expression shall unless repugnant to the context or contrary to the meaning thereof include its successors and assignees) of the one part and Hooghly Dock & Port Engineers Ltd., a Government of India undertaking having its registered office at 1, R. N. Mukherjee Road, Kolkata – 700 001 (hereinafter called 'the Company' which expression shall, unless repugnant to the context or contrary to the meaning thereof include its successors and assignees) of the other part.

Whereas M/S _____

(Name & Address of the Company)

_____ (hereinafter called the Contractor's which expression shall unless repugnant to the subject or context include its successors and assignees, legal representatives and administrators) received from the company an order no. _____ dated _____ (hereinafter called the said Agreement) to manufacture / supply / erect / commission / repair / renovate _____

(Order Particulars)

_____ in accordance with the said Agreement. AND WHEREAS the contractor has undertaken to manufacture / supply / erect / commission / repair / renovate _____ and is required under the said Agreement to furnish one Bank Guarantee for Rs. _____ (Rupees _____) being _____ % of the price of the contract value to the Contractor towards due performance and workmanship of the goods for a period of _____ months from the date of dispatch / commission.

And whereas the Bank at the request of the Contractor has agreed to furnish in favour of the Company the said bank guarantee in the manner hereinafter appearing.

2. We, _____ Bank _____ branch do hereby undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Company stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Company by reason of any breach by the said Contractors of any of the terms or conditions contained in the said Agreement or by reason of the Contractor's failure to perform the said Agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____

3. We, _____ Bank, further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Company under or by virtue of the said Agreement have been fully paid and its claims satisfied or till the Company certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges the guarantee. Unless a demand or claim under this guarantee is made on us in writing and received by us on or before the _____ we shall be discharged from all liabilities under this guarantee thereafter.

4. We, _____ Bank further agree with the Company that the Company shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said Contractor(s) and or forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act or omission on the part of the Company or any indulgence by the Company to the said Contractor(s) or by any such matter of thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

5. We, _____ Bank, lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Company in writing.

6. Notwithstanding anything contained herein before our liability under this guarantee will be restricted to Rs. _____ (Rupees _____). Unless a claim in writing is made on us on or before _____ day of _____ 200__ we will be discharged from all our liabilities hereunder.

Dated the _____ day of _____ 200__ for _____ Bank Ltd.

Note: This bank guarantee should be submitted in the banker's sealed envelope and the claim period should be for 30 days from date of expiry of this B.G.A confirmatory letter from the issuing bank is also to be submitted in this context.

FORMAT FOR
BANK GUARANTEE BOND (IN LIEU OF EMD/ S.D)

In consideration of Hooghly Dock & Port Engineers Ltd. (A Govt. of India Undertaking), a Company incorporated under the Company's Act 1956 and having its Registered Office at 1, R.N. Mukherjee Road, 2nd Floor, Kolkata-700001 amongst other places, a Unit at Nazirgunge, P.O. Danesh Shaik Lane, Howrah-711109, West Bengal (hereinunder called the "HDPE") having agreed to exempt M/s. (hereinafter called the "Tenderer"/"Seller") of Earnest Money Deposit / Security Deposit in cash for the due fulfillment by the said Tenderer/Seller of the terms and conditions contained in the said Tender/Purchase Order, on production of a Bank Guarantee for Rs.....(Rupees only) we (Bank) (Hereinafter referred to as the "Bank") at the request of M/s., against any loss or damage caused to or suffered or would be caused to or suffered by the HDPE by reason of any breach by the sand Tenderer/Seller of any of the terms or conditions contained in the said Tender/Purchase Order.

We, (Bank) do hereby undertake to pay the amounts due and payable under this Guarantee without any demur, merely on a demand from the HDPE stating that the amount claimed is due by way of loss of damaged caused to or would be caused to or suffered by the HDPE by reason of breach by the said Tenderer/Seller of any of the terms of conditions contained in the said Tender/Purchase order or reason of the Tenderer's/Seller's failure to perform the said Tender/Purchase order. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....

We, (Bank) undertake to pay to the HDPE any money so demanded notwithstanding any dispute or disputes raised by the said Tenderer/Seller in any suit or proceeding pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the said Tenderer/Seller shall have no claim against us for making such payment.

We,..... (Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Tender/ Purchase Order and that it shall continue to be enforceable till all the dues of the HDPE under or by virtue of the said Tender/Purchase order have been fully paid and its claim satisfied or discharged or till the HDPE Certified that the terms and conditions of the said Tender/Purchase Order have been fully and properly carried out by the said Tenderer/Seller and accordingly discharges this guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before We shall be discharged from all liability under this guarantee thereafter.

We, (Bank) further agree with the HDPE that the HDPE shall have the fullest liberty without our consent and without affecting in any manner. Our obligations hereunder from time to time or to postpone for any time or from time to time any of the powers exercisable by the HDPE against the said Tender/Seller and to forbear on enforce any of the terms and conditions relating to the said Tender/Purchase order and we shall not be relieved from

our liability by reason of any such variation or extension being granted to the said Tender/Seller or for any forbearance, act or omission of the part of the HDPE or any indulgence by the HDPE to the said Tenderer/Seller or by any such matter or think whatsoever which under the law relating to sureties would, but for this provision, have effect or so relieving us.

This guarantee will not be discharged due to the change in the constitution of the Bank of the said Tenderer/Seller.

We, (Bank) lastly undertake not to revoke this guarantee during its currency except with the previous consent of the HDPE in writing.