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भारत सरकार  
GOVT. OF INDIA

पत्तन, पोत परिवहन और जलमार्ग मंत्रालय  
Ministry of Ports, Shipping & Waterways

भारतीय अन्तर्देशीय जलमार्ग प्राधिकरण

INLAND WATERWAYS AUTHORITY OF INDIA

Pandu Port Complex, Pandu, Guwahati-781 012, Assam

No. IWAI/GHY/Barak/4(01)/2024-25/ 513

22<sup>nd</sup> July 2024

To,

M/s Nalanda Engineering Enterprise  
Ship Builders & Engineers  
Off. 32/47, Chandi Ghosh Road, Kolkata – 700 040

**Sub:- Award of work for “Dry dock repair of IWAI vessel SL Barak for the year 2024-25” – reg.**

Ref:- 1) NIT No.: IWAI/GHY/Barak/4(01)/2024-25

2) Your E-Bid no.: 3031669, dated 11.06.2022

Sir,

Inland Waterways Authority of India (IWAI), RO Guwahati is pleased to award the work for “Dry dock repair of IWAI vessel SL Barak for the year 2024-25” at a total cost of Rs. 18,58,200/- (Rupees Eighteen lakh fifty eight thousand and two hundred only) plus GST as applicable. Further, Cost of Spares on actual plus 10% basis shall be reimbursed on submission of proper bills / invoices in accordance with the terms & conditions of the contract. Detailed Bill of quantity is attached as Annex-I.

2. It is requested to deposit an amount of Rs. 92,910 (Rupees Ninety-two thousand nine hundred and ten only) i.e., 5 % of the contract value of the work either in the form of RTGS / NEFT through scheduled / nationalized banks in favour of “IWAI FUND PLAN” payable at Guwahati (or) in the form of irrevocable bank guarantee of any scheduled bank towards Performance Guarantee within 15 days from the issue of this letter as per **Clause 3** of General Conditions of Contract (GCC). **As per GCC Clause 29.6, you are also requested to take insurance policy mandatory before commencing the above work.** In addition to the above, a security deposit equivalent to 5% of the contract value (i.e., Rs. 92,910 (Rupees Ninety-two thousand nine hundred and ten only) will be deducted from your 1<sup>st</sup> RA bill as per **Clause 4** of the General Conditions of Contract.

3. The payment shall be made as per the Bill of Quantity on satisfactory completion & certification of the items of works by EIC (or) his authorized representative. While submitting the bills, you have to indicate GST also, which may be paid by this office as per norms.

4. Time is the essence of this work. The whole work has to be completed within a period of **60 days** from the date of handing over the vessel. The work has to be completed as per Tender terms & conditions.

5. The cost of spares will be paid on an actual basis, submission of Proper GST bills in support of the purchase of spares is mandatory along with challan. The old spares replaced shall also be returned

6. Director, IWAI, Guwahati shall be the Engineer-In-Charge for the subject work.

7. It is requested to acknowledge the receipt of this work order and attend this office along with two non-judicial stamp papers of Rs. 200/- to enter into an agreement within 15 days.

Yours faithfully,

(Prabin Bora)

Director

E-mail: [pbora.iwai@nic.in](mailto:pbora.iwai@nic.in)

Phone:- 0361-2676925

Encl.: as above

**Copy for information to (by E-mail):-**

1. The Chief Engineer (Tech.), IWAI, Noida
2. The Dy. Director (Marine), IWAI, Noida
3. The Director (I/C), IWAI, Kolkata – for necessary action and assistance
4. The Accounts Officer, IWAI, Guwahati.

**Head Office :- I.W.A.I., A-13, Sector-1, NOIDA - 201 301 (U.P.)**

• E-mail : [iwainoi@nic.in](mailto:iwainoi@nic.in) • Phone No :- 0120-2543972, 2543973, 2544004, 2521664, 2544036, 2522971.

## BOQ FOR DRY DOCK REPAIR OF SL BARAK FOR THE YEAR 2024-25

| No    | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Qty     | Rate<br>(₹) | Amount<br>(₹) |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------|---------------|
| 1.00  | Beaching , blocking, unblocking including dock hire /mooring charges for repair of vessel as required as per direction of EIC/Surveyor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.00    | 130000.00   | 130000.00     |
| 2.00  | Ultrasonic testing to be done of hull, deck plate & LWL ship side plate, etc for checking of thickness as required as per direction of IWT Surveyor / EIC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 400.00  | 60.00       | 24000.00      |
| 3.00  | Cropping & renewal of damaged/wasted under water, deck plate, guard railing, air vents, engine room vents, stiffeners etc with existing thickness as required after ultrasonic testing & its report as required as per direction of IWT Surveyor/ EIC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1500.00 | 120.00      | 180000.00     |
| 4.00  | Sea chest, mud Box, strainer to be checked, repaired, cleaned and painted as required as per direction of IWT Surveyor/ EIC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.00    | 14000.00    | 14000.00      |
| 5.00  | All fresh water valves, HSD valves, LO valves, fire line valves, sea chest valves, bilge, GS and OBD valves etc to be pressure tested, serviced / renewed. It's pipe line to be operationally tested as required as per direction of EIC/surveyor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1.00    | 25000.00    | 25000.00      |
| 6.00  | Cleaning and painting of bilges with one coat primer and 2 coats of marine quality paints as required as per direction of EIC/Surveyor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.00    | 50000.00    | 50000.00      |
| 7.00  | Under water hull plate & side plate to be scraped & chipped & wire brushed from keel to LWL to remove fouling and paints and made suitable for inspection / painting. Painting of hull plate & side plate to be done by 3 coat as per painting scheme from keel to water level as required as per direction of IWT Surveyor/ EIC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 300.00  | 305.00      | 91500.00      |
| 8.00  | The entire ship side shell plate from LWL to main deck, deck plate, superstructure, bathrooms, galley, engine room, store, wheel house, railing, railing chain, crew room, roof, bollard, draft mark, mast frame, syntax water tank frame, void space, rudder room with cover, hatch cover, man hole cover, blower, inside/outside walking passage, stairs with railing and outside along with other fitment etc, are to be proper cleaned, scrapped, wire brushed, chipped and painted by 3 coats of existing color marine paint. (1 coat zinc chromate primer, followed by two coat of existing color of marine paints ). All pipe lines should be colored as per marine color code. After it name of vessel, deptt. and logo to be made by fluorescent sticker as required as per direction of EIC/surveyor. | 900.00  | 228.00      | 205200.00     |
| 9.00  | Down overhauling of main engine make cummins (model-N743M, 330 BHP) is to be carried out with renewal of spare parts. Checking of self starting system, safety parameters and cut outs, gauges, exhaust system/pipes with trunking/cover/glass wool, cooling system and radiator cleaning. All foundation bolts to be check as required as per direction of EIC /surveyor.                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |             |               |
| 9.01  | Labour charges                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2.00    | 110000.00   | 220000.00     |
| 9.02  | Cost of spares/material on actual plus 10% basis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |             |               |
| 10.00 | Down overhauling of diesel genset make Simpson (20 KVA & 10 KVA) is to be carried out with renewal of spare parts. Checking of self starting system, safety parameters and cut outs, gauges, exhaust system/pipes with trunking/cover/glass wool, cooling system and radiator cleaning. All foundation bolts to be check as required as per direction of EIC /surveyor.                                                                                                                                                                                                                                                                                                                                                                                                                                         |         |             |               |
| 10.01 | Labour charges                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2.00    | 15000.00    | 30000.00      |
| 10.02 | Cost of spares on actual plus 10% basis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |             |               |
| 11.00 | Entire AC&DC line/wiring, accomodation, engine room (including emergency lights), general alarm bell, D.C. horn, siren, switch boards, MCBs, navigational lights, search light, fire alarm, exhaust fan, wipers & other fittings etc. are to be checked and rectified as required as per direction of EIC/ Surveyor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |             |               |
| 11.01 | Labour charges                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1.00    | 60000.00    | 60000.00      |
| 11.02 | Cost of spares/material on actual plus 10% basis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |             |               |
| 12.00 | Fire extinguisher to be hydraulic tested, refilled with same materials after renewal of accessories. Certificate is to be submitted as required as per direction of Surveyor/ EIC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |             |               |
| 12.01 | DCP 5 Kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3.00    | 3500.00     | 10500.00      |

| Sl.No | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Qty   | Rate<br>(₹) | Amount<br>(₹) |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------|---------------|
| 12.02 | Mechanical foam type 9 Ltr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5.00  | 3800.00     | 19000.00      |
| 12.03 | Water Co2 9 liters.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.00  | 3800.00     | 3800.00       |
| 13.00 | Installment of life buoys as per statutory and navigation standards, in respective place of vessels with S.I lights, rope and vessel name printed as required as per direction of surveyor/ EIC                                                                                                                                                                                                                                                                                                                                                         | 4.00  | 3000.00     | 12000.00      |
| 14.00 | Provision of life jacket as per statutory and navigation standards with vessel name printed as per direction of surveyor/ EIC                                                                                                                                                                                                                                                                                                                                                                                                                           | 12.00 | 2000.00     | 24000.00      |
| 15.00 | HSD reserve tank (Capacity- approx 2900 liters) to be opened and cleaned including labour & materials as required as per direction of EIC .                                                                                                                                                                                                                                                                                                                                                                                                             | 2.00  | 8000.00     | 16000.00      |
| 16.00 | HSD service tank (cap- approx 200 liters) to be opened and cleaned including labour & materials as required as per direction of EIC .                                                                                                                                                                                                                                                                                                                                                                                                                   | 2.00  | 3000.00     | 6000.00       |
| 17.00 | The galley's basin tap, sink, discharge pipe, stainer and other fitting to be checked then repaired/renewed. Two no. attach bathroom's all accessories i.e taps, showers, comode & cover, flush tank, door & locks, valves, flushing tank pipe, complete wash basin, mirror, jet, exhaust window, soap stand, overhand tank with cover, towell rod, tiles, cloth hanger etc and fitments to be checked and rectified/renewed as required. Ensure leakage proof and free flow of water from over head tank as required as per direction of EIC/Surveyor. |       |             |               |
| 17.01 | Labour charges                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.00  | 25000.00    | 25000.00      |
| 17.02 | Cost of spares/material on actual plus 10% basis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |             |               |
| 18.00 | Weather tight door, manhole and hatch cover's rubber/beading/packing to be renew, similar to existing one, as required as per direction of EIC/Surveyor.                                                                                                                                                                                                                                                                                                                                                                                                |       |             |               |
| 18.01 | Labour charges                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.00  | 10000.00    | 10000.00      |
| 18.02 | Cost of spares/material on actual plus 10% basis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |             |               |
| 19.00 | Installation of 300 W solar power unit with solar panel, batteries and other applicable accessories with output to vessel's apparatus as required as per direction of EIC/ Surveyor.                                                                                                                                                                                                                                                                                                                                                                    |       |             |               |
| 19.01 | Labour charges                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.00  | 25000.00    | 25000.00      |
| 19.02 | Cost of spares/material on actual plus 10% basis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |             |               |
| 20.00 | Both side rudder assembly to be dismantled, rudder stock, shaft and bushes to be checked and if required same to be build up as per existing as required as per direction of Surveyor/EIC.                                                                                                                                                                                                                                                                                                                                                              |       |             |               |
| 20.01 | Labour charges                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.00  | 22500.00    | 45000.00      |
| 20.02 | Cost of spares/material on actual plus 10% basis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |             |               |
| 21.00 | Both side propeller, shafts and bushes are to be opened for clearance check. Inspection of turners, bushes, shaft and blade etc then repaired & fairing with same composition of materials as required as per direction of Surveyor/EIC.                                                                                                                                                                                                                                                                                                                |       |             |               |
| 21.01 | Labour charges                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.00  | 32000.00    | 64000.00      |
| 21.02 | Cost of spares/material on actual plus 10% basis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |             |               |
| 22.00 | Gear lever for increasing/decreasing the speed of main engine mounted on wheel house has to be serviced with renewal of spares/materials as required as per direction of EIC/surveyor.                                                                                                                                                                                                                                                                                                                                                                  |       |             |               |
| 22.01 | Labour charges                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.00  | 8000.00     | 8000.00       |
| 22.02 | Cost of spares/material on actual plus 10% basis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |             |               |
| 23.00 | Joystick and wooden wheel for manouvering the rudder mounted on wheel house has to be serviced with renewal of spares/materials as required as per direction of EIC/surveyor.                                                                                                                                                                                                                                                                                                                                                                           |       |             |               |
| 23.01 | Labour charges                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.00  | 8000.00     | 8000.00       |
| 23.02 | Cost of spares/material on actual plus 10% basis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |             |               |
| 24.00 | Sacrificial (zinc) anodes to be renewed as required as per direction of EIC/Surveyor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |             |               |
| 24.01 | Labour charges                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.00  | 10000.00    | 10000.00      |
| 24.02 | Cost of spares/material on actual plus 10% basis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |             |               |
| 25.00 | All fresh water pump and sea water pump with motors to be serviced to make fully operational as required as per direction of EIC/surveyor.                                                                                                                                                                                                                                                                                                                                                                                                              |       |             |               |
| 25.01 | Labour charges                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.00  | 10000.00    | 10000.00      |
| 25.02 | Cost of spares/material on actual plus 10% basis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |             |               |
| 26.00 | Installation of Hotplate at galley with all connection like electrical and mounting etc as required as per direction of surveyor/EIC.                                                                                                                                                                                                                                                                                                                                                                                                                   | 1.00  | 55000.00    | 55000.00      |

| Sl.No                   | Description of Work / Item(s)                                                                                                                                                                                              | Qty  | Rate (₹)  | Amount (₹) |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|------------|
| 27.00                   | Installation of reputed make Chimney at galley with all connection like electrical and mounting etc as required as per direction of surveyor/EIC.                                                                          | 1.00 | 45000.00  | 45000.00   |
| 28.00                   | Supply and fitting of walkie talke in wheel house as required as per direction of surveyor/EIC.                                                                                                                            | 1.00 | 35000.00  | 35000.00   |
| 29.00                   | Supply and fitting of Diesel Fibreglass IRS Approved Multipurpose Row Boat Without OBM, Seating Capacity: 4 Person at aft with rest structure by gas cutting and welding etc as required as per direction of EIC/Surveyor. | 1.00 | 140000.00 | 140000.00  |
| 30.00                   | Supply and fitting of Outboard Motor Engine on FRP boat as required as per direction of EIC/Surveyor.                                                                                                                      | 1.00 | 100000.00 | 100000.00  |
| 31.00                   | Anchor chain is to be drawn out, cleaned, calibrated, serviced and painted along with chain compartment. Windlass to be serviced as required as per direction of EIC/Surveyor.                                             |      |           |            |
| 31.01                   | Labour charges                                                                                                                                                                                                             | 1.00 | 20000.00  | 20000.00   |
| 31.02                   | Cost of spares/material on actual plus 10% basis.                                                                                                                                                                          |      |           |            |
| 32.00                   | Sewage tank and motor with line to be checked, cleaned and rectified as required as per direction of EIC/Surveyor.                                                                                                         |      |           |            |
| 32.01                   | Labour charges                                                                                                                                                                                                             | 1.00 | 7500.00   | 7500.00    |
| 32.02                   | Cost of spares/material on actual plus 10% basis.                                                                                                                                                                          |      |           |            |
| 33.00                   | Servicing of Blowers(6 nos) and battery charger to make fully operational as required as per direction of EIC/Surveyor.                                                                                                    |      |           |            |
| 33.01                   | Labour charges                                                                                                                                                                                                             | 1.00 | 20000.00  | 20000.00   |
| 33.02                   | Cost of spares/material on actual plus 10% basis.                                                                                                                                                                          |      |           |            |
| 34.00                   | All rotary hand pump to be serviced to make fully operational as required as per direction of EIC/Surveyor.                                                                                                                |      |           |            |
| 34.01                   | Labour charges                                                                                                                                                                                                             | 2.00 | 7000.00   | 14000.00   |
| 34.02                   | Cost of spares/material on actual plus 10% basis.                                                                                                                                                                          |      |           |            |
| 35.00                   | Provision of emergency diesel pump (5 HP) with suction and delivery pipe etc as required as per direction of EIC/Surveyor.                                                                                                 | 1.00 | 30000.00  | 30000.00   |
| 36.00                   | Wooden work in kichen table, cup board, drawer, almirah, window and door are required as per direction of EIC.                                                                                                             | 1.00 | 20000.00  | 20000.00   |
| 37.00                   | Plywood works are required in master cabin, crew dining and surveyor cabin as required as per direction of EIC.                                                                                                            |      |           |            |
| 37.01                   | Labour charges                                                                                                                                                                                                             | 1.00 | 10000.00  | 10000.00   |
| 37.02                   | Cost of spares/material on actual plus 10% basis.                                                                                                                                                                          |      |           |            |
| 38.00                   | Installment of new VHF of reputed make at wheel house as required as per direction of EIC/Surveyor.                                                                                                                        | 1.00 | 35700.00  | 35700.00   |
| Ttal Labour Cost (in ₹) |                                                                                                                                                                                                                            |      |           | 1858200.00 |

(Rupees Eighteen lakh fifty eight thousand and two hundred only)

**Note:**

- 1 Cost of spares on actual plus 10% basis shall be reimbursed during submission of proper bills/ invoices
- 2 GST extra as applicable

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