

**Recommendation of TEC on Financial bid of the E-tender for "Dry dock repair of MPT Khudiram Bose for the year 2022-23"**

**TEC Members:**

- i. Sh. A. Selvakumar, Director, IWAI
- ii. Sh. Manoj Mishra, J.AO, IWAI
- iii. Sh. Mukul Jain, Assistant Director, IWAI

**Tender/NIT dates:**

- |                                           |                           |
|-------------------------------------------|---------------------------|
| a) Tender Published on                    | : 23.11.2022              |
| b) Tender closed on                       | : 1.12.2022 at 15:00 hrs. |
| c) Tender opening date of Technical bid   | : 2.12.2022 at 15:30 hrs. |
| d) No. of bids received                   | : 2 (Two)                 |
| e) No. of bids qualified in Technical bid | : 2 (Two)                 |
| f) Financial bid opened on                | : 8.12.2022               |
| g) No. of bid received for Financial bid  | : 2 (Two)                 |

**Observations of TEC**

The following bidder has participated in the event:

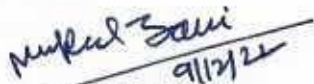
- a) M/s Ghosh Enterprises, Kolkata
- b) M/s A.C Roy Shipbuilders Pvt. Ltd. Kolkata

Above all the firms were qualified in technical bid. TEC Recommendation on technical bid is at Annex-I. The price bid of all technically qualified bidders were opened on 8.12.2022.

As per comparative statement, it is observed that M/s A.C Roy Shipbuilders Pvt. Ltd. Kolkata has quoted **10.01 %** below the estimated cost and is L-1. The statement / comparative statement is attached as Annex-II.

**Recommendation:**

TEC opined that the work for "Dry dock repair of MPT Khudiram Bose for the year 2022-23" to M/s A.C Roy Shipbuilders Pvt. Ltd. Kolkata at a cost of **Rs.15,23,000/- (Rupees Fifteen Lakhs Twenty Three thousand only)** plus cost of spare on actual plus 10% and GST extra as applicable being lowest bidder.

  
(Mukul Jain)  
Asstt. Director

  
(Manoj Mishra)  
J. A.O

  
(A. Selvakumar)  
Director

**Comparative statement on Financial bid Dry-Docking Repair of IWAI Vessel MPT Khudiram Bose for the year 2022-23**  
**Tender ID: 2022\_IWAI\_724822\_1**

**Contract No: IWAI/GHY/SCHEME/4(33)/2022-23**

| Sl.No | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | No. of Qty | Units     | IWAI Estimated Rate |           | A C ROY SHIPBUILDERS PRIVATE LIMITED(GSTN-19AAXCA1119N1Z3) |           | GHOSH ENTERPRISE(GSTN-19ADOPG8500A1ZT) |           |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|---------------------|-----------|------------------------------------------------------------|-----------|----------------------------------------|-----------|
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |           | Rate                | Amount    | Rate                                                       | Amount    | Rate                                   | Amount    |
| 1.00  | Vessel to be docked for under water inspection/ repair.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1.00       | Comp. Job | 180000.00           | 180000.00 | 150000.00                                                  | 150000.00 | 150000.00                              | 150000.00 |
| 2.00  | Visual inspection and Ultrasonic Thickness gauging is to be carried out to the bottom shell, side shell and Main deck. UTG to be carried out by IRS approved firm's.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 300.00     | Spot      | 130.00              | 39000.00  | 60.00                                                      | 18000.00  | 120.00                                 | 36000.00  |
| 3.00  | Renewal of damaged/ wasted plate, Guard railing, Air Vents, Engine room vents and stiffners to be under taken as per UTG and visual inspection report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1500.00    | Kg        | 200.00              | 300000.00 | 90.00                                                      | 135000.00 | 93.33                                  | 139995.00 |
| 4.00  | Surface preparation and painting of the underwater hull, above water hull plate & side plate to be under taken as per Owner's/ paint manufacturer's Paint Scheme.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 300.00     | Sqm       | 275.00              | 82500.00  | 260.00                                                     | 78000.00  | 275.00                                 | 82500.00  |
| 5.00  | Sea chest, mud box, strainer is to be cleaned, repaired and painted as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.00       | Nos.      | 10000.00            | 20000.00  | 7000.00                                                    | 14000.00  | 10000.00                               | 20000.00  |
| 6.00  | All Sea chest valves, OBD valves, sea water/ Bilge/GS line valves to be overhauled, pressure tested and pipe line to be operationally tested.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1.00       | comp. Job | 50000.00            | 50000.00  | 50000.00                                                   | 50000.00  | 30000.00                               | 30000.00  |
| 7.00  | The followings tanks to be cleaned and offer for inspection. Fuel oil service tank -2 nos, FO tanks -1 nos, FODS Tank-1 No, cargo Tank-1 No, FW Tank-1 nos, Watr ballast Tank-2 Nos.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 8.00       | Nos.      | 10000.00            | 80000.00  | 10000.00                                                   | 80000.00  | 3750.00                                | 30000.00  |
| 8.00  | Surface preparation and painting/ coating of followings tanks to be carried as per Owner's/ paint manufacturer's Paint scheme. Gasket of manhole covers to be renewed. FO tanks -1 nos, FODS Tank-1 No, FODF Tank-1 No, FW Tank-1 nos, Water ballast Tank-2 Nos.                                                                                                                                                                                                                                                                                                                                                                                                                          | 6.00       | Nos.      | 5000.00             | 30000.00  | 6000.00                                                    | 36000.00  | 5000.00                                | 30000.00  |
| 9.00  | Surface preparation and painting/ coating of the followings spaces/ structures to be carried out as per Owner's/ paint manufacturer's Paint scheme. main deck, Super structure, Engine room, bilges and pipe lines, rudder room, Pump room, crane and pipe lines, toilets (02), kitchen, stores etc.                                                                                                                                                                                                                                                                                                                                                                                      | 800.00     | Sqm       | 275.00              | 220000.00 | 250.00                                                     | 200000.00 | 250.00                                 | 200000.00 |
| 10.00 | Periodically maintenance of main engine (stbd) make cummins (model-NT8 55M, 270 BHP) is to be carried out and tapped clearance is to be checked and adjust. Exhaust is leaking of STBD side main engine in HRP room, same is to be checked and arrested the leakage, safety pannel board with all parameters is to be checked and repaired the safety pannel board and replaced the all parameters as required and STBD side main engine fire pump coupling joint with gear box is make noise same is to be checked and repaired. The repair work to be carried out including labour and material like fuel filters, lub filter air cleaner, repairing materials as per direction of EIC. |            |           |                     |           |                                                            |           |                                        |           |
| 10.01 | Labour charge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2.00       | No.       | 30000.00            | 60000.00  | 40000.00                                                   | 80000.00  | 40000.00                               | 80000.00  |
| 10.02 | Cost of spare actual plus 10% basis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |           |                     |           |                                                            |           |                                        |           |
| 11.00 | B Check of both DG engine and alternater (Kriloskar, Model No - 4R 1040T) through experienced mechanic/Authorised dealer. Exhaust of DG is leaking, same is to be checked and arrested the leakage and safety control system of pannel with parameters and Heat exchanger nut bolt is broken, same is to be cheked and replaced new parameters as required rectified the defectas per direction of EIC                                                                                                                                                                                                                                                                                    |            |           |                     |           |                                                            |           |                                        |           |
| 11.01 | Labour charge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2.00       | No.       | 30000.00            | 60000.00  | 30000.00                                                   | 60000.00  | 10000.00                               | 20000.00  |
| 11.02 | Cost of spare actual plus 10% basis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |           |                     |           |                                                            |           |                                        |           |

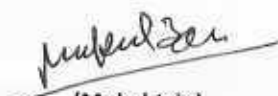
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |           |           |           |           |           |           |           |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 12.00 | Both side HRP unit lifting & inspection of kort nozzle with checking of safety system, panel board, intermediate bearing blocks, hydraulic power pack, complete hydraulic system, propellers, gears, drives, seals, filters, solenoid switches, limit switches, v/v, high pressure lines, PCB controllers, pid controller, joystick control from wheelhouse, cooler to be cleaned, repaired and renewal of spates etc to make the unit fully operational and leak free as required as per direction of EIC. |       |           |           |           |           |           |           |           |
| 12.01 | Labour cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.00  | Nos       | 100000.00 | 100000.00 | 150000.00 | 150000.00 | 160000.00 | 160000.00 |
| 12.02 | Cost of spares actual + 10 % basis                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |           |           |           |           |           |           |           |
| 13.00 | Sacrificial (zinc) anodes to be renewed as per direction of IWT Surveyor                                                                                                                                                                                                                                                                                                                                                                                                                                    | 16.00 | No        | 6000.00   | 96000.00  | 4000.00   | 64000.00  | 3750.00   | 60000.00  |
| 14.00 | All electrical Line panel AC/DC, Navigation & search light of wheel house engine room (including emergency lights), deck, electric horn, wall fans, exhaust fan of bathroom, inverter, wheel house wiper and all electric line & wiring to be checked and serviced/ repaired. Engine room blower is not functioning properly, same is to be serviced as required with renewal of required materials as per direction of EIC/IWT Surveyor.                                                                   |       |           |           |           |           |           |           |           |
| 14.01 | Labour charge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.00  | Comp.     | 45000.00  | 45000.00  | 125000.00 | 125000.00 | 140000.00 | 140000.00 |
| 14.02 | Cost of spare actual plus 10% basis                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |           |           |           |           |           |           |           |
| 15.00 | Fire extinguisher to be serviced, refilled and tested (hydraulic) & certificate is to be produced as per direction of IWT Surveyor.                                                                                                                                                                                                                                                                                                                                                                         |       |           |           |           |           |           |           |           |
| 15.01 | Mechanical Foam type – 9 ltrs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6.00  | No        | 4000.00   | 24000.00  | 3000.00   | 18000.00  | 5000.00   | 30000.00  |
| 15.02 | DGP – 5 Kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5.00  | No        | 4000.00   | 20000.00  | 3000.00   | 15000.00  | 5000.00   | 25000.00  |
| 15.03 | Water CO2 – 9ltrs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3.00  | No        | 4000.00   | 12000.00  | 3000.00   | 9000.00   | 5000.00   | 15000.00  |
| 15.04 | Mechanical Foam type – 45 ltrs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1.00  | No        | 10000.00  | 10000.00  | 3000.00   | 3000.00   | 8000.00   | 8000.00   |
| 15.05 | Replacement of any leaked cylinder (Actual bill/invoice + 10%)                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |           |           |           |           |           |           |           |
| 16.00 | All pressure gauges, RPM meters to be checked and replaced in wheel house, engine room, deck, pump room etc.                                                                                                                                                                                                                                                                                                                                                                                                |       |           |           |           |           |           |           |           |
| 16.01 | Labour charge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.00  | Comp.     | 15000.00  | 15000.00  | 10000.00  | 10000.00  | 10000.00  | 10000.00  |
| 16.02 | Cost of spare actual plus 10% basis                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |           |           |           |           |           |           |           |
| 17.00 | Supply of walkie-talkie system with necessary license etc as per marine standards as required as per direction of EIC                                                                                                                                                                                                                                                                                                                                                                                       |       |           |           |           |           |           |           |           |
| 17.01 | Labour charge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.00  | No        | 20000.00  | 20000.00  | 10000.00  | 10000.00  | 10000.00  | 10000.00  |
| 17.02 | Cost of spare actual plus 10% basis                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |           |           |           |           |           |           |           |
| 18.00 | Anchor chain is to be drawn out cleaned and painted along with chain compartment and Anchor winch motor is not working, same is to be checked mechanically & electrically and serviced/ repaired and 1 no. room blower is not working, same is to repair and make operational.                                                                                                                                                                                                                              | 1.00  | Job. comp | 10000.00  | 10000.00  | 30000.00  | 30000.00  | 30000.00  | 30000.00  |
| 19.00 | All Manhole covers, all window, Outside doors, Air vents & all Hatches/ Tanks covers with damaged rubber packing/beading, Nuts, Bolts & Studs same to be repaired/ Renewed By good quality of Rubber beading & SS fittings respectively as per directive of surveyor/EIC                                                                                                                                                                                                                                    |       |           |           |           |           |           |           |           |
| 19.01 | Labour cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.00  | Comp Job  | 20000.00  | 20000.00  | 15000.00  | 15000.00  | 20000.00  | 20000.00  |
| 19.02 | Cost of spares actual + 10 % basis                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |           |           |           |           |           |           |           |
| 20.00 | Wheel house & crew cabin ceiling ply board is checked and renewed as per required as per direction of EIC                                                                                                                                                                                                                                                                                                                                                                                                   | 1.00  | Comp Job  | 25000.00  | 25000.00  | 60000.00  | 60000.00  | 75000.00  | 75000.00  |
| 21.00 | Installation of 1000 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.                                                                                                                                                                                                                                                                                                                                 |       |           |           |           |           |           |           |           |
| 21.01 | Labour charge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.00  | comp.     | 20000.00  | 20000.00  | 15000.00  | 15000.00  | 6000.00   | 6000.00   |
| 21.02 | Cost of spare actual plus 10% basis                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |           |           |           |           |           |           |           |
| 22.00 | Truck tyre, bull dog clamp and wire rope are to be supplied and fitted including labour and material as required as per direction of EIC.                                                                                                                                                                                                                                                                                                                                                                   | 12.00 | No        | 2000.00   | 24000.00  | 4500.00   | 54000.00  | 3000.00   | 36000.00  |



|       |                                                                                                                                                                                                                  |      |          |          |            |          |            |          |            |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|----------|------------|----------|------------|----------|------------|
| 23.00 | Carpentry work as Kitchen table with Almirah is damaged to be repaired. (Size = 48" x 25" x 1"), crew cabin Almirah & door lock, handle is damaged same is to be repaired as recommended as per direction of EIC |      |          |          |            |          |            |          |            |
| 23.01 | Labour charge                                                                                                                                                                                                    | 1.00 | Comp.    | 25000.00 | 25000.00   | 15000.00 | 15000.00   | 50000.00 | 50000.00   |
| 23.02 | Cost of spare actual plus 10% basis                                                                                                                                                                              |      |          |          |            |          |            |          |            |
| 24.00 | Wheel house front glass rubber packing is damaged and water is leaking, same is to be checked and replaced the rubber as per direction of EIC including labour & materials                                       | 1.00 | Comp Job | 20000.00 | 20000.00   | 10000.00 | 10000.00   | 40000.00 | 40000.00   |
| 25.00 | Front rubber fender reported damaged and the same to be renewed with same composition and capacity of materials for strengthening the structure as required as per direction of EIC/Surveyor.                    |      |          |          |            |          |            |          |            |
| 25.01 | Labour charge                                                                                                                                                                                                    | 1.00 | Comp.    | 20000.00 | 20000.00   | 10000.00 | 10000.00   | 30000.00 | 30000.00   |
| 25.02 | Cost of spare actual plus 10% basis                                                                                                                                                                              |      |          |          |            |          |            |          |            |
| 26.00 | Supply and provide 2 nos. fire hose (size- 63 mm dia and 15 mtrs length) of reputed make                                                                                                                         | 2.00 | No.      | 32500.00 | 65000.00   | 4500.00  | 9000.00    | 15000.00 | 30000.00   |
|       | Total Amount (in Rs.)                                                                                                                                                                                            |      |          |          | 1692500.00 |          | 1523000.00 |          | 1593495.00 |
|       | Percentage below or above estimated cost                                                                                                                                                                         |      |          |          |            |          | -10.01     |          | -5.85      |

L-1

L-2

  
(Mukul Jain)  
A.D (M)

  
(Manoj Mishra)  
Jr.A.O

  
(A. Selvakumar)  
Director