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सत्यमेव जयते

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/CSD Brahmani/4(93)/2024-25/614

5th August 2024

To,

M/s Ghosh Enterprise
21/2, Baje Shibpur,
2nd Bye Lane, Shibpur, Howrah – 711 102

Sub:- Award of work for "Dry dock repair of IWAI vessel CSD Brahmani for the year 2024-25" – reg.

Ref:- 1) NIT No.: IWAI/GHY/Tapi/4(134)/2024-25
2) Your E-Bid no.: 3057602, dated 24.7.2024

Sir,

Inland Waterways Authority of India (IWAI), RO Guwahati is pleased to award the work for "Dry dock repair of IWAI vessel CSD Brahmani for the year 2024-25" at a total cost of Rs. 21,52,500/- (Rupees Twenty one lakh fifty two thousand and five 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. 1,07,625/- (Rupees One lakh seven thousand six hundred and twenty five 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. 1,07,625/- (Rupees One lakh seven thousand six hundred and twenty five only) will be deducted from your 1st 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: dirguw@iwai.gov.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 ● Phone No :- 0120-2543972, 2543973, 2544004, 2521664, 2544036, 2522971.

BOQ FOR DRY DOCK REPAIR OF CSD BRAHMANI FOR THE YEAR 2024-25

Annex-1

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
1.00	Beaching, blocking, unblocking including dock hire/mooring charges as required to be done for dry docking of vessel.	1	Comp. Job	100000.00	100000.00
2.00	Ultrasonic testing to be made on hull, deck plate and hull to LWL, Ship side plate for thickness as per direction of surveyor/EIC.	400	Spot	100.00	40000.00
3.00	Cropping & renewal of underwater plate including main deck rail guard, deck plate, Guard Rail, bollard plate, Ship side plate & other fitments after Ultrasonic testing & Inspection of Surveyor/EIC as per report of Ultrasonic test.	1500	Kg	100.00	150000.00
4.00	Surface preapration and Painting of the under water hull plate and side plate to be done by 3 coat with marine quality paint (anti corrosive coating) including primer from keel to LWL including scrapping, wire brushing as required as per direction of EIC/ Surveyor..	350	Sqm	300.00	105000.00
5.00	Surface preapration and Painting of the entire ship side shell plate from LWL to main deck, main deck plate, superstructure, "A" Bracket, cutter unit, sud carriage unit, dredge discharge pipe, both spud, Deck Crane, ballast tank, engine room, man holes, bollards, SPUD, SPUD bracket carriage, vent, cutter ladder, deck crane, railing, chain and outside alongwith other fitment & stores are to be proper cleaned, chipped, scrapped, wire brushed, and painted by three coats of existing colour marine quality paint and one coat primer. All pipe lines should be coloured as per marine color code. After it name of vessel, Deptt. and logo to be made by fluroescent sticker as required as per direction of EIC/ Surveyor.	1400	Sqm	300.00	420000.00
6.00	Checking of Cathodic Protection Anodes {(a) dimesion 530x150x30, wt 4.5 kg, qty: 19 (b) dimesion 400x90x40, wt 2 kg, qty: 14} as per existing arrangement and replaced the damaged Anode as per directive of EIC/ surveyor				
6.01	Labour charges	1	No	30000.00	30000.00
6.02	Cost of spare (actual + 10% basis)				
7.00	All main sea chest suction valves including line valves along with its entire connected pipe lines, Mud Box, Tanks sounding caps stuck, to be heated and loosen, Strainer to be removed, checked, tested and serviced, repaired/ renewed if any damage and fitment back as per OEM drawing as per direction of /IWT Surveyor.				
7.01	Labour charges	1	No.	30000.00	30000.00
7.02	Cost of spare (actual + 10% basis)				
8.00	Rubber beedings in water tight doors (05 in nos.), water tight Hatches (07 In nos), Rubber joints of 02 in nos water bllast tank(18.12 mtrs cub), 02 in nos fuel oil tank {01. fuel tank of capacity (25.87 cum) & 02. fuel tank capacity (15.53 Cum)}, 02 in fresh water tank (10.35Cum & 5.18 Cum), sewage tank to be repired and tightened as per drawing with studs & Bolts including paitning and pressure tested as per drawing with labour, material & consumable charges as per directive of EIC/ surveyor				
8.01	Labour charges	1	No.	20000.00	20000.00
8.02	Cost of spare (Actual + 10% basis)				
9.00	Checking of A.C /D.C electrical Line, Switch Boards, 02 nos. Circuit breaker fitted in switch board and its interlock with other circuit breakers, Switch sockets, switches of lighting for control cabin to be repaired/ replaced with new one and lighting for rest room with 12 W Led Lights (qty 10), Lighting of Engine room, pump room & stores to be repaired/ replaced with water tight LED tubelights against existing candle tubelights (qty 32 in nos), dimmer light (03 DC Lights in control cabin & Rest room), Navigational lights, operating pannels of wheel house & engine room, Deck lights, Operator Cabin Engine pannel Board to be cheked and repaired. if required replaced as per directive of EIC/ surveyor				

1	Labour charges	1	No.	100000.00	100000.00
2	Cost of spare (actual + 10% basis)				
10.00	All parameters & gauges fitted in control panel cabin including PLC based control system (STBD CT not working and SPUD Carriage sensor to be repair / Relaced and made operational), dredge pump clutch control switch, carraige joystick and engines speed control regulator to be checked, calibrated and replace (if required). Spud and winches speed control regulators malfunctioning to be checked and repaired as per direction of EIC and inspection of Surveyor				
10.01	Labour charges	1	No.	20000.00	20000.00
10.02	Cost of spare (actual + 10% basis)				
11.00	Repair and servicing of pulleys { total 08 in nos (02 nos. side anchor winch pulley (Dia: ø 350 mm), 04 nos. ladder gantry stay wire pulley (Dia: ø 500 mm) , 02 in nos side sheave pulley(Dia: ø 500 mm)) with its side sheave blocks, Pulley Bushes(Mat: Phosporous Bronze) and its pins including their winches hydraulic ram seal and brake shoes required to be checked for wear and tear and its clearance (if not repaired then relaced) as per direction of EIC and inspection of Surveyor.				
11.01	Labour charges	8	No.	9000.00	72000.00
11.02	Cost of spare (actual + 10% basis)				
12.00	Guard Railing, Make: GI Glavanised pipe, 40 NB, Dia 35 (mtrs) and 20 NB Dia (70 Mtrs), 62 nos. Flat bar(MS Grade- B) Thickness- 65 *16 Thk*1100mm and 37 nos. Flat bar(MS Grade- B) Thickness - 65 * 16 thk*675mm to be straighten, welded and securing with nuts and bolts including labour, material and consumable charges as per Existing arrangement.				
12.01	Labour charges	1	No.	30000.00	30000.00
12.02	Cost of spare (actual + 10% basis)				
13.00	Removal & Servicing of cutter motor, Service of winch motor and checking and hydraulic leakage if any as per OEM Drawing, as per directive of EIC/ surveyor				
13.01	Labour charges	1	No.	20000.00	20000.00
13.02	Cost of spare (actual + 10% basis)				
14.00	Relacement/ Repair of Damaged cutter teeth for hard soil (total qty: 15 nos) as per sample and directive from EIC/ Surveyor				
14.01	Labour charges	1	No.	8000	8000.00
14.02	Cost of spare (actual + 10% basis)				
15.00	Dredge pump is to be dismantled along with impeller, inspection cover, related pipeline, thrust bearing block inspect and to be serviced, checking of Seal if damged replaced with new one, Checking of bearing seal if damaged replaced with new one and other fitting to be opened and the same to be refitted back in OEM position after proper alignment as per direction of EIC/ Surveyor. Spares to be provided by IWAi	1	Comp. Job	145000.00	145000.00
16.00	Repair and service of 02 nos side anchor winches (Dia: 29 mm*100 mm, brk Strength 560 KN), supplies and fitments of (a) 01 in nos side winch to anchor stay wire (Dim: 32 mm* 100 mtrs Length, Mat: Gal Steel) with one end thimble for rope dia 32 mm and "D" sackle capacity 25 tons. (b) 02 in spud hoisting wire (Dim: 25 mm Dia*6360 mm Length Mat: Galvanised Steel) with both end thimble and "D" sackel Cap 25 Tons (c) Supply of 02 in Nos wire rope 150 mtrs (Dia 29mm), as per existing sample/ drawing and direction of EIC/ Surveyor				
16.01	Labour charges	8	No	10000.00	80000.00
16.02	Cost of spare (actual + 10% basis)				

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17.00	Box keel coolers of Main Engine {(01. heat dissipated capacity: 564 kw) 02. (hydraulic/Gear oil Plate heat exchanger heat dissipated capacity :344.2 KW)} & Auxiliary Engine (heat dissipated capacity: 295 kw) to be taken out, Tube Checking, if damage blocking/ replacement of tubes then Pressure tested, same to be fitted back after servicing and as per drawing {the inner coolers of main & Aux eng to be pressure tested 1.5 times of working pressure approx. 10 Bars}				
17.01	Labour charges	3	No	10000.00	30000.00
17.02	Cost of spare (actual + 10% basis)				
18.00	Discharge end movable pipe (dia 450 NB x 10mm thk, MAT ST:42) with Elbow (450 NB x 13 mm THK x R675 MAT; ST 42) found jammed/Crack, same to be taken out from base serviced/repair and made operational and fitted back as per Drawing of OEM as per direction of EIC/ surveyor.				
18.01	Labour charges	1	No.	10000.00	10000.00
18.02	Cost of spare (actual + 10% basis)				
19.00	Main Engine, Auxiliary Engine and Harbour Generator exhaust trucking pipes to be opened inspect & then lagging back with glass wool & ducting with aluminium sheet, putting doubler of pipes bottom at the deck for strengthing and water proofing of exhaust pipes from deck side & changing of damaged Nuts and bolts as per direction of EIC/ Surveyor.				
19.01	Labour charges	1	No.	20000.00	20000.00
19.02	Cost of spare (actual + 10% basis)				
20.00	Major overhauling of Harbour generator engine (Make: Kirloskar Capacity: 82 BHP, Model: 4R1040T RPM @ 1500 Total Running Hours: 25107 hrs, is to be done with checking, servicing and renewal spares e.g liner, piston, rings, valves, heads, self starter, dynamo, battery charger, safety system parameters likes LLOP switch, LLOP sensor, HCT switch, HCT sensor, LOT switch, LOT sensor and other accessories along with calibration of fuel pump, injectors, cooling water pumps, radiator cleaning etc as shall be done as required. Cooler to be cleaned, silencer, checking of exhaust line, crank shaft end clearance etc. with renewal of spares e.g. gauges, digital and analoug meters installed on engine room as well as wheel house, coupling and hose pipes etc. as required as per direction of EIC/ Surveyor.				
20.01	Labour charges	1	No	50000.00	50000.00
20.02	Cost of spare (actual + 10% basis)				
21.00	Both engines (i.e main and aux engine) fresh water expansion tanks (Cap : 100 Ltrs and 25 Ltrs respectively) discharge pipes rusted and holed to be repair/renewed as per direction of EIC/ Surveyor				
21.01	Labour charges	2	No	8000.00	16000.00
21.02	Cost of spare (actual + 10% basis)				
22.00	Deck mounted hand movable davit to be serviced along with checking of all the bearing, gears, chain pulley and greasing of all movable parts with renewal of spare parts, checking of chain, loading and unloading as required as per direction of EIC.				
22.01	Labour charges	1	No	10000.00	10000.00
22.02	Cost of spares (actual + 10%)				
23.00	Name talley for all compartments/tanks/equipment damaged/paited to be renewed as per existing arrangement	1	Comp. Job	35000.00	35000.00
24.00	Fabrication and installation of FRP ingressed awning/shed on deck over the engine room area (area 28 ft x 18 ft) including steel support and other required material to strengthening the structure as required as per direction of Surveyor / EIC.	70	Sqm	720.00	50400.00

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25.00	Servicing and Removal of carbon particles & checking of spring tension of Brushes and Slipring of Alternators of Aux. Engines (make Cropton Greaves, Model no. G1R50/43 33, 80 KVA) and DG-Set (make Cropton Greaves, Model no. G2R65/43, 65 KVA), as per directive by Surveyor/EIC.				
25.01	Labour charges	1	No	30000.00	30000.00
25.02	Cost of spares (actual + 10%)				
26.00	Entire Hydraulic system, solenoid valves, spud brakes, Control room Guages and emergency hyrdraulic system to be checked and Relacement/ Repair of damaged rubber hydraulic hoses (as per sample and size) with its securing arrangement on deck with wooden frames where required & Repair of SS Hydraulic pipelines with its securing clamp as per sample as per drawing and direction of EIC/ Surveyor.				
26.01	Labour charges	1	No	30000.00	30000.00
26.02	Cost of spares (actual + 10%)				
27.00	Cutter well mouth strainer to be repaired/renewed with grating of mesh suitable to prevent stones entering in pump casing as required as per direction of EIC/ Surveyor.				
27.01	Labour charges	1	No.	10000.00	10000.00
27.02	Cost of spare (actual + 10% basis)				
28.00	Plumbing work for fittment of addition overhead water tank of 500 ltrs with its securing arrangement and pipe lines for supply of water in rest room and washroom, fitment of additional wash basin outside rest room with securing arrangement, fitment of tap in wash room, commode covers, valves, pipes and renewal/ reairing of wall tiles as per direction of EIC.	1	Comp. Job	30000.00	30000.00
29.00	Servicing of 03 pumps including motors (a) Sea water pump including motors (Make : BE Pumps Pvt Ltd, Type: SH65-160-MN2-316 Discharge 30 CuM/ Hr RPM 2900), (b) Fresh water pump including motors (Make : Seemso Make Bare pump SUP- 80x40-200 coupled with Kirloskar make 10 HP/7.5 KW 3 Phase 2900 RPM Electric motor mounted on common base) (c) Hydrophore pump with motor (Make BE Pump model type: A02110K-1B-MS3-WCE, Cap 0.8 cum/hr@2.50 bar< suction pressuregauge-1 to 1 Kg/cm2) as per directive of EIC.				
29.01	Labour charges	3	No.	20000.00	60000.00
29.02	Cost of spare (actual + 10% basis)				
30.00	All following tanks to be cleaned, surface preparation and painting/ Coating as per existing paint scheme: Fuel oil Tanks 1 & 2, Fuel oil service tanks, hydraulic tanks, FW Tank 1&2, Seawage tank, Cofferdam, Fwd water ballsat tank 1 & 2 & Aft water ballast tanks and also Gasket of Manhole covers to be renewed as per directive of EIC/ surveyor and offered for inspection	14	No.	7000.00	98000.00
31.00	Search light Non-ops to be checked repaired and made operational with AC Supply	1	Comp. Job	18000.00	18000.00
32.00	Supply of 05 in nos. fire hoses (2'5" dia ad 100 Mtrs length) with Male ad female coupling	5	No.	15000.00	75000.00
33.00	Repair of all boxes of fuel bunkering and breather on deck and make a suitable arrangement for auto flow of collected rain water as per directive of EIC.	1	Comp Job	20000.00	20000.00
34.00	2 nos Hydraulic pump makes Parker (model- PV270L1L1T1NUPR, PV20L1L4T1NFRZ respective) fitted with Aux engine including Gearbox to be serviced / repaired with renewal of spares after arresting all the leakages as required as per direction of EIC.				
34.01	Labour charges	2	No.	17000.00	34000.00
34.02	Cost of spare (actual + 10% basis)				
35.00	Supply and Installtion of PA System for communication with mike and 03 spekers for engien room and deck.	1	Comp. Job	18000.00	18000.00
36.00	Fire extinguisher to be pressure tested, serviced and refilled with same material and made operational, testing certificate to be produced as required as per directive of EIC/ Surveyor.				

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01	Water Type 9 Ltrs	1	No.	3500.00	3500.00
36.02	DCP type- 5 kgs	2	No.	3500.00	7000.00
36.03	Mechanical Foam type -9Ltrs	6	No.	3500.00	21000.00
36.04	DCP type - 10 kgs	2	No.	3500.00	7000.00
37.00	Running routine maintence of Mainengine gear Box (Make: REINTGS-Germany Model LAF 542, Input speed 1800/1 Min, out put speed 455/1 Min), changing of filters, gear oil along with service/ repair of damaged spares i.e water and oil hoses pipes. All Digital and analog guages, sensors, safety switches to be checked, repaired as per directive of EIC.				
37.01	Labour charges	1	No.	19600	19600.00
37.02	Cost of spares (actual + 10%)				
38.00	Auxiliary spud gurad/bracket (Made of 2 nos pipe of dia -3.5 inch, length -07 ft 4" and other structural members) is damaged. The structural members to be cut, refabricated and welded as per initial condition including labour and material as required as per direction of EIC/ surveyor.	1	Comp. Job	50000.00	50000.00
39.00	One no. attached bathroom's All accessories i.e Taps, showers, commode top and cover, flush tank, door & Lockers locks, valve, flusing tank pipe, complete wash basin , mirror etc and fitments to be renewed as required and leakage proof of water. The galley, cabin Basin tap, sink and other fittings also to be checked , repaired/ renewed as required as per direction of EIC/ Surveyor.	1	Comp. Job	30000.00	30000.00
Total labour cost (in Rs.)					2152500.00

(Rupees Twenty one lakh fifty two thousand and five hundred only)

Note:

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

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