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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/Alaknanda/4(133)/2024-25/465

8th July 2024

To,

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

Sub:- Award of work for "Annual afloat repair of IWAI vessel CSD Alaknanda for the year 2024-25" – reg.

Ref:- 1) NIT No.: IWAI/GHY/Alaknanda/4(133)/2024-25

2) Your E-Bid no.: 3041981, dated 1.7.2024

Sir,

Inland Waterways Authority of India (IWAI), RO Guwahati is pleased to award the work for "Annual afloat repair of IWAI vessel CSD Alaknanda for the year 2024-25" at a total cost of Rs. 10,34,300/- (Rupees Ten lakh thirty-four thousand and three 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. 51,715 (Rupees Fifty-one thousand seven hundred and fifteen 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. 51,715 (Rupees Fifty-one thousand seven hundred and fifteen 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.

Encl.: as above

Yours faithfully,

(Prabin Bora)
Director

E-mail: pbora.iwai@nic.in

Phone:- 0361-2676925

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

1. The Chief Engineer (Tech.), IWAI, Noida
2. The Dy. Director (Marine), IWAI, Noida
3. 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 ANNUAL AFLOAT REPAIR OF CSD ALAKNANDA FOR THE YEAR 2024-25

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
1.00	Navguated system/Navigational Dredge profile gyroscopic system(Make:Damen) has to established by installation of GPS/echosounder based computer arrangement in wheel house. The same is synchronised with all functions/operation like anchor swing and depth etc displayed in monitor as required as per direction of EIC/Surveyor.				
1.01	Labour charges	1	Comp. Job	86000.00	86000.00
1.02	Cost of material/spares (actual + 10% basis)				
2.00	One no. attach bathroom's all accessories i.e taps, showers, comode top & cover, flush tank, valves, flushing tank pipe, complete wash basin, mirror, tiles and fitments etc to be renewed as required and ensure leakage proof of water. The crew cabin's basin tap, sink and other fitting also to be checked, repaired/renewed as required as per direction of EIC.				
2.01	Labour charges	1	Comp. Job	15000.00	15000.00
2.02	Cost of material (actual + 10% basis)				
3.00	Installation of VHF in wheel house for clear and sound communication as required as per direction of EIC/Surveyor.				
3.01	Labour charges	1	Comp. Job	15000.00	15000.00
3.02	Cost of spare (actual + 10% basis)				
4.00	Entire electrical/electronics, AC/DC line, panel of engine room, accomodation (lights, fans etc) ,engine room (including emergency lights), general alarm bell, D.C. horn, air horn, switch boards, sensor, lighting, navigational lights, search light, halogen light, fire alarm, siren, bed light, table light, light cover, exhaust fan & other fittings etc. are to be checked and rectified the defects. 02 in nos. Circuit breaker fitted in switch board and its interlock with other circuit breakers to be inspect. Line & wiring to be checked and serviced/ repaired as required as per direction of EIC/ Surveyor.				
4.01	Labour charges	1	Comp. Job	40000.00	40000.00
4.02	Cost of spare (actual + 10% basis)				
5.00	All parameters & gauges fitted in control panel cabin including PLC based control system (specially timer relay for activation of hydraulic system), dredge pump clutch control switch, carraige joystick, vaccum gauge, exhaust gauges, seas water pressure, fresh water pressure, fuel pressure 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 required as per direction of EIC.				
5.01	Labour charges	1	Comp. Job	80000.00	80000.00
5.02	Cost of spare (actual + 10% basis)				

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6.00	Repair and servicing of pullies { total 08 in nos (02 in nos. side anchor winch pulley (Dia: ø 350 mm), 04 in 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: Phosphorous 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 required as per direction of EIC/Surveyor.				
6.01	Labour charges	1	Comp. Job	60000.00	60000.00
6.02	Cost of spare (actual + 10% basis)				
7.00	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 as required as per direction of EIC.				
7.01	Labour charges	1	Comp. Job	20000.00	20000.00
7.02	Cost of spare (actual + 10% basis)				
8.00	Overhauling of OBM Engine Make: Mercury Marine, Cap: 18.4 KW Model No. 1025217FL to make fully operational as required as per direction of EIC/Surveyor.				
8.01	Labour charges	1	Comp. Job	20000.00	20000.00
8.02	Cost of spare (actual + 10% basis)				
9.00	Removal & Servicing of cutter motor, service of winch motor and arresting of hydraulic leakage if any as required as per directive of EIC/ surveyor				
9.01	Labour charges	1	Comp. Job	20000.00	20000.00
9.02	Cost of spare (actual + 10% basis)				
10.00	Deck mounted hand movable davit(Capacity : 3 Ton) to be serviced along with checking of all the bearing, gears, chain pulley, girders and greasing of all movable parts as required as per direction of EIC/Surveyor.				
10.01	Labour charges	1	Comp. Job	25000.00	25000.00
10.02	Cost of spare (actual + 10% basis)				
11.00	FRP Boat (Dia : 4.50 x1.86x0.75 mtr, 06 person) Make: SHM is in deteriorated condition and same to be repaired. Entire rubber fender(Running meter=20) of FRP boat is wasted and perished. The same to be renewed and fitted by good/reputed existing material with strengthning the structure. Fibreglass, hand rest, hull/base, bollard and chair was damaged the same has to repaired by providing necessary material gluing with adhesive to make leak proof and strengthning the structure. Painting of FRP boat with double coat & naming of vessel as required as per direction of EIC/surveyor.				
11.01	Labour charges	1	Comp. Job	60000.00	60000.00
11.02	Cost of spare (actual + 10% basis)				

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12.00	Repair/ Replacement of False sealing cermica in Control cabin (Area 15x8 Sq feet), Replacement/ Repair of control Cabin wooden Door (Dim:1630 mmx630mmx30 mm)with sliding and both side locking arrangement & Bathroom door(Dim:1630 mmx630mmx30 mm) with both side locking arrangements as required as per direction of EIC/Surveyor.				
12.01	Labour charges	1	Comp. Job	20000.00	20000.00
12.02	Cost of spare (actual + 10% basis)				
13.00	In wheel house replacement of wind shield broken Glass (8mm Thk) and wiper blades (Size 36"). Replacement of Roller blinds (08 in nos) , as per existing fitment as required as per direction of EIC.				
13.01	Labour charges	1	Comp. Job	10000.00	10000.00
13.02	Cost of spare (actual + 10% basis)				
14.00	Main Engine, Auxiliary Engine and harbor generator exhaust trucking pipes to be repaired with lagging, glass wool, sealing roper and 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 required as per direction of EIC/Surveyor.				
14.01	Labour charges	1	Comp. Job	30000.00	30000.00
14.02	Cost of spare (actual + 10% basis)				
15.00	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 {the inner coolers of main & Aux eng to be pressure tested 1.5 times of working pressure approx. 10 Bars) as required as per direction of EIC/Surveyor.				
15.01	Labour charges	3	No	17000.00	51000.00
15.02	Cost of spare (actual + 10% basis)				
16.00	Major overhauling of Harbour generator engine (Make: Kirloskar Capacity: 82 BHP, Model:4R1040T RPM @ 1500 to be done including water level sensor, battery sensor with all electronic system & safety systems i.e. temerature meter, tachometer, Guages and leakage from turbo charges, etc as required as per direction of EIC/Surveyor.				
16.01	Labour charges	1	No	40000.00	40000.00
16.02	Cost of spare (actual + 10% basis)				
17.00	It is reported that battery charger panel was burnt out, the same has to be rectified to make fully operational as required as per direction of EIC/Surveyor.				
17.01	Labour charges	1	Comp. Job	40000.00	40000.00
17.02	Cost of material/spares (actual + 10% basis)				

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18.00	Supply & installtionof Hydrophore pump without 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) and also make it's auto mode operational. Suction and Disharge pressure guage 0 to 4 Kg/cm2 required to replace with new one as required as per direction of EIC/Surveyor.				
18.01	Labour charges	1	Comp Job	10000.00	10000.00
18.02	Cost of spare (actual + 10% basis)				
19.00	Thust bearing cooler motor to be serviced to make fully operational as required as per direction of EIC/Surveyor.				
19.01	Labour charges	1	Comp Job	20000.00	20000.00
19.02	Cost of spare (actual + 10% basis)				
20.00	Entire Hydraulic system, solenoid valves, control room Guages and emergency hyrdraulic system to be checked and rectified. Relacement/ Repair of damaged rubber hydraulic hoses (as per sample and size) with its securing arrangement on deck with wooden frames. Repair of SS Hydraulic pipelines with its securing clamp as per sample as required as per direction of EIC/Surveyor.				
20.01	Labour charges	1	Comp Job	60000.00	60000.00
20.02	Cost of spare (actual + 10% basis)				
21.00	Both spud hydraulic brake is not holding & releasing properly and both lifting RAM Block broken from deck base and vibration dammpers are damaged, same to be checked & rectified the defect as per direction of EIC.				
21.01	Labour charges	1	Comp Job	40000.00	40000.00
21.02	Cost of spare (actual + 10% basis)				
22.00	Plumbing work for fittment of addition overhead water tank of 500 ltrs with its securing arrangement and pipe lines for supply of water in crew room and washroom, fitment of additional wash basin outside rest room with securing arrangement as required as per direction of EIC.				
22.01	Labour charges	1	Comp Job	15000.00	15000.00
22.02	Cost of spare (actual + 10% basis)				
23.00	Fire extinguisher to be hydraulic tested, refilled with same refilling materials and made operational after renewal of accessories, certificate is to be produced as required as per direction of Surveyor/ EIC.				
23.01	Water Type 9 Ltrs	1	No.	3500.00	3500.00
23.02	DCP type - 5 kgs	2	No.	3500.00	7000.00
23.03	Mechanical Foam type -9Ltrs	6	No.	3500.00	21000.00
23.04	DCP type - 10 kgs	2	No.	3500.00	7000.00
23.05	Cost of spare/materials (actual + 10% basis)				
24.00	Supply and Installtion of PA System for communication with mike and 03 spekers for engine room and deck as required as per direction of EIC/Surveyor.				
24.01	Labour charges	1	Comp. Job	20000.00	20000.00

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24.02	Cost of spare/materials (actual + 10% basis)				
25.00	Servicing of dredge pump's grease pump and main grease pump(with motor). All grease lines and points, to be checked and repaired with renewal of its pipe, adaptor, nozzle, tube, coupling nut, connector, screw sleeve, coupler, grease pump and nipple etc for proper injection. Supply and fitting of cutter ladder greasing hose, as required as per direction of EIC/ Surveyor.				
25.01	Labour charges	1	Comp. Job	20000.00	20000.00
25.02	Cost of spare/materials (actual + 10% basis)				
26.00	Sewage pump and motor to be serviced to make fully operational as required as per direction of EIC/Surveyor.				
26.01	Labour charges	1	No.	20000.00	20000.00
26.02	Cost of spare/materials (actual + 10% basis)				
27.00	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	Sq-m	840.00	58800.00
28.00	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	40000.00	40000.00
29.00	Intallation of 300 W solar power unit with solar panel, inveter, 02 nos solar supported invatublar batteries (150 AH) and other applicable accessories towards output to control cabin and rest room as required as per direction of EIC/surveyor including labour & Materials.	1	Comp. Job	60000.00	60000.00
Total Labour cost (in Rs.)					1034300.00

(Rupees Ten lakh thirty four thousand and three 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