



भारतीय अन्तर्देशीय जलमार्ग प्राधिकरण

(पत्तन, पोत परिवहन और जलमार्ग मंत्रालय, भारत सरकार)

INLAND WATERWAYS AUTHORITY OF INDIA

(Ministry of Ports, Shipping and Waterways, Govt. of India)

क्षेत्रीय कार्यालय : पी-७८, गार्डनरीच रोड, कोलकाता - ७०० ०४३ (प० बं०)

REGIONAL OFFICE : P-78, Garden Reach Road, Kolkata - 700 043 (W.B.)

दूरभाष : 2439 0393 / 5577 / 6055, फैक्स : 2439 5570



E-mail : iwaical@yahoo.com
dirkol.iwai@nic.in

IWAI/KOL/MM/NC/28/Part-VII/2020-21/HPT BR Ambedkar/1108

02.02.2022

To,
M/s AC Roy & Co.
16, Strand Road, Diamond Heritage, Building,
Room No.:1505, Kolkata – 700 001

Sub: Work Order for dry dock repair of HPT BR AMBEDKAR - reg.

Ref:-E-procurement Tender id - 2021_IWAI_664401_1

Sir,

Kindly refer to e-tender no. IWAI/KOL/MM/NC/28/Part-VII/2020-21/HPT BR Ambedkar/01 for dry dock repair of HPT BR Ambedkar, we are pleased to place the work order at a total labor cost of Rs. 15,59,500/- (Rupees Fifteen Lakh Fifty Nine Thousand and Five Hundred only) plus cost of spare on actual plus 10% basis and exclusive of GST as applicable shall be reimbursed, as per enclosed bill of quantity in accordance with the tender terms & conditions.

The total cost of work shall be Rs. 15,59,500/- plus cost of spare on actual plus 10% basis and exclusive of GST as applicable shall be reimbursed, as per item wise rate mentioned in the enclosed BOQ subject to variation of quantity of work actually executed and certified by the EIC. The above-mentioned total cost is inclusive of taxes, duties and other levies etc, excluding GST as specified in tender. The payment shall be made on submission of bill after certification of the E.I.C for the actual quantity executed. The work shall be completed within 60 (Thirty) days from the date of placement of vessel in the yard. If any additional work is required to be carried out, completion period shall be extended accordingly.

You are requested to deposit Rs. 77,975/- (Rupees Seventy Seven Thousand Nine Hundred and Seventy Five only) being the 5% of the contract value as performance guarantee for the due fulfillment of the contract in form of Demand Draft on any Nationalized Bank or Scheduled Bank of India in favor of "IWAI FUND" payable at Kolkata within 15 days of the issue of this work order as per terms & conditions of the tender document.

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Further, Security Deposit shall be deducted from each running bill @ 10 % of the gross amount of bill till the security deposit amount along with EMD becomes 5 % of total contract value.

In case of delay in completion of the repair work of the vessel and delivery thereafter, liquidated damages as per the Clause no. 35 will be applicable @ 1.5% per month of delay for delay of work to be computed on per day basis subject to a maximum 10% on the total value of the contract.

A list of the additional work which is considered necessary as per recommendation of the EIC and or those which are directed during the course of repairs for satisfactory completion of repairs and subsequent commissioning of vessel should be prepared jointly by EIC and contractor. Thereafter, contractor shall furnish quotation for those items of work for which rate would be derived from the agreement or afresh as the case may be in force along with extra time required for completion of all the additional work. The rate for the additional work shall be approved as provided in clause No. 12 of Technical & Special Conditions of contract and clause no. 16 of the General Condition of contract for execution.

The work executed all items of work attended and spare etc supplied by the contractor shall have Guarantee period of minimum 6 months or manufacturers warrantee whichever is more from the date of delivery of the vessel after repair.

An agreement shall be entered between this Authority and yours in the approved format within ten days from the date of receipt of work order. You are requested to attend this office with 2 non-Judicial stamp papers of Rs 100/- each for signing of contract agreement and integrity.

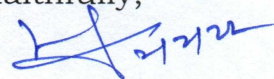
It is requested to convey your acceptance for this work order by signing the copy of this letter immediately.

Enc.: As Stated.

Copy to :

- 1.) Assistant Director, OIC, IWAI Farakka.
- 2.) Accounts Section, IWAI Kolkata.

Yours faithfully,



(L.K. RAJAK)
DIRECTOR

BOQ FOR DRY DOCK REPAIR OF HPT BR AMBEDKAR 2021-22.(DIMENSION : 23.28 x 7.2 x 2.60 m)					
Sl.No	Description of Work / Item(s)	Qty	Units	Rate (₹)	Amount (₹)
1.00	Beaching , blocking, unblocking including dock hire /mooring charges for repair of vessel as required.	1.00	Comp.Job	110000.00	110000.00
2.00	Ultrasonic testing to be done of hull, deck plate & LWL ship side plate, etc for checking of thickness as per direction of IWT Surveyor / EIC.	400.00	SPOT	50.00	20000.00
3.00	Cropping & renewal of under water & deck plate etc with steel thickness as per drawing as required after ultrasonic testing & its report as per direction of IWT Surveyor/ EIC.	1.00	Ton	80000.00	80000.00
4.00	Sea chest, Mud Box, Stainer to be checked, repaired, cleaned and painted as required as per direction of IWT Surveyor/ EIC.				
4.10	Labour charges	1.00	Comp.Job	20000.00	20000.00
5.00	All Sea water valves to be pressure tested and serviced / renewed as per direction of EIC /surveyor.(18 no.s)				
5.10	Labour charges	1.00	Comp.Job	30000.00	30000.00
5.20	Cost of spares (actual + 10%)				
6.00	All Fresh water valves, HSD valves, LO valves, fire line valves to be serviced / renewed as per direction of EIC / surveyor. (36 no.s)				
6.10	Labour charges	1.00	Comp.Job	20000.00	20000.00
6.20	Cost of spares (actual + 10%)				
7.00	Cleaning and painting of bilges with one coat primer and 2 coats of marine quality paints as per direction of EIC/Surveyor.	1.00	Comp.Job	70000.00	70000.00
8.00	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 as required as per direction of EIC/Surveyor.	350.00	Sq-m	60.00	21000.00
9.00	Painting of hull plate & side plate to be done by 3 coat as per painting scheme from keel to water level as per direction of IWT Surveyor/ EIC.	350.00	Sq-m	240.00	84000.00
10.00	Painting of above water level, ship side, deck, toilet, anchor chain compartments, engine rooms, store rooms, all compartments of the vessel to be scrapped, chipped, wire brushed as required as per direction of EIC.	1000.00	Sq-m	60.00	60000.00
11.00	The entire ship side shell plate from LWL to main deck, deck plate, superstructure, bathrooms, galley, engine room, dining, store, wheel house, railing, railing chain, crew room, roof, bollard, draft mark, mast frame, syntax water tank frame, void space, HRP 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..	1000.00	Sq-m	200.00	200000.00
12.00	Overhauling, repair and maintenance of both side Well mounted fixed pitch Azimuth Thruster units type ZF AT 4111 , Power: 410/KW at 1800 rpm. Propeller 800 mm diameter in Nozzle, Reduction ratio: 3.882:1, is to be done i.e.propellers, gears, drives,seals, filters, solenoid switches, limit switches, v/v, high pressure lines, PCB controllers, pid controller, complete hydyaulic system, joystick control from wheelhouse to be checked, cooler to be cleaned etc. as required to make the unit operational and leak free as per direction of EIC / Surveyor.				
12.10	Labour charges	2.00	No.	75000.00	150000.00
12.20	Cost of spares (actual + 10%)				
13.00	Cleaning of all accomodation spaces with dis-infectant and fumigation and make suitable as per hygenic standards as per direction of EIC/Surveyor.	1.00	Comp.Job	10000.00	10000.00
14.00	All blowers to be serviced including repair & renewal of spares as required as per direction of EIC/Surveyor.				
14.10	Labour charges	2.00	Comp.Job	5000.00	10000.00
14.20	Cost of spares (Actual bill/invoice + 10%)				
15.00	The HSD intake pipeline of the forward HSD tank of the vessel is to be modified to ensure required standard slope for natural flow of HSD in the tank by adjusting the elbow and flange by cutting and welding etc as required as per direction of EIC/Surveyor.				
15.10	Labour charges	1.00	Comp.Job	10000.00	10000.00
15.20	Cost of spares (Actual bill/invoice + 10%)				
16.00	Complete overhauling of main engine make - Cummins, model no.-KTA-19-M3 Output power : 530 BHP ,RPM:1800,is to be done with checking and renewal of liner, piston,rings,valves,heads and other accessories alongwith calibration of fuel pump , injectors, cooling water pump, etc as shall be required . Cooler, cylinder head & inlet/outlet valves to be cleaned/checked, lapped tappet setting, silencer, checking of exhaust line and self starter(alternator & dynamo) etc. with renewal of spares e.g. gauges, RPM meter, all type of filter, coupling, belt and hose pipe etc. mounted on engine room and wheel house as required. The necessary machining, electric, electronics work is also to be done as required to complete the entire works and make the engine operational as per direction of EIC/Surveyor.				
16.10	Labour charges	2.00	No.	80000.00	160000.00
16.20	Cost of spares (Actual bill/invoice + 10%)				
17.00	Complete overhauling of generator engine make -Ashok Leyland, model no.ALMG-370, type- 4SC SA in line, Capacity: 50 KW, 67 BHP, 1500 RPM, is to be done with checking and renewal of liner, piston,rings,valves,heads and other accessories alongwith calibration of fuel pump , injectors, cooling water pump, etc as shall be required . Cooler, cylinder head & inlet/outlet valves to be cleaned/checked, lapped tappet setting, silencer, checking of exhaust line and self starter(alternator & dynamo) etc. with renewal of spares e.g. gauges, RPM meter, all type of filter, coupling, belt and hose pipe etc. mounted on . The necessary machining, electric, electronics work is also to be done as required to complete the entire works and make the engine operational as per direction of EIC/Surveyor.				
17.10	Labour charges	1.00	No.	40000.00	40000.00
17.20	Cost of spares (Actual bill/invoice + 10%)				


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18.00	Complete overhauling of generator engine make -Simpson & co. Ltd, model no. S-433 , type - 4SCSA IN LINE, Capacity:35 KW, 48 BHP, 2200 RPM, is to be done with checking and renewal of liner, piston,rings,valves,heads and other accessories alongwith calibration of fuel pump , injectors, cooling water pump, etc as shall be required . Cooler, cylinder head & inlet/outlet valves to be cleaned/checked, lapped tappet setting, silencer, checking of exhaust line and self starter(alternator & dynamo) etc. with renewal of spares e.g. gauges, RPM meter, all type of filter, coupling, belt and hose pipe etc. mounted on engine room and wheel house as required. The necessary machining, electric, electronics work is also to be done as required to complete the entire works and make the engine operational as per direction of EIC/Surveyor.				
18.10	Labour charges	1.00	No.	35000.00	35000.00
18.20	Cost of spares (Actual bill/invoice + 10%)				
19.00	Entire electrical/electronics, AC/DC line, panel of engine room and wheel house, navigation lights, deck accommodation (lights, fans etc) , emergency lights, deck, wiper, general alarm bell, D.C. horn, air horn, siren, hooter switch boards, sensor, lighting, search light, fire alarm, horn, PA system, bed light, table light, light cover, exhaust fan, chimney, lightings & other fittings etc. are to be checked and rectified the defects as required, with renewal of required materials. Line & wiring to be checked and serviced/ repaired with renewal of required materials as per direction of EIC/ Surveyor.				
19.10	Labour charges	1.00	Comp.job	75000.00	75000.00
19.20	Cost of spares (Actual bill/invoice + 10%)				
20.00	The wood work in the galley is damaged to some extent.The same is to be repaired with renewal of necessary wooden materials such as wooden base frame, plyboard, sunmica etc. as applicable as per site requirement & direction of EIC.				
20.10	Labour charges	1.00	Comp.job	20000.00	20000.00
20.20	Cost of spares (Actual bill/invoice + 10%)				
21.00	Supply and fitting of truck tyre fender by bulldog clamp with 12 mm. wire rope including labour and materials charges as required as per direction of EIC/Surveyor.	16.00	No.	2500.00	40000.00
22.00	All fitting of toilet/bathroom's accessories i.e taps, showers, comode top,cover & seat, flush tank, pipe, mirror, towel rail, jet, soap stand, exhaust fan, wash basin, strainer, sleeve and fitments etc to be renewed and ensure leakage proof of water as required as per direction of EIC/surveyor.				
22.10	Labour charges	2.00	No.	7500.00	15000.00
22.20	Cost of spares (Actual bill/invoice + 10%)				
23.00	HSD tank to be cleaned properly including labour and materials charges as required as per direction of EIC/Surveyor.(Capacity :12 KL)	1.00	No.	10000.00	10000.00
24.00	Fresh water tank to be cleaned properly including labour and materials charges as required as per direction of EIC/ Surveyor(Capacity : 5 KL)	2.00	No.	5000.00	10000.00
25.00	HSD service tank to be cleaned properly including labour and materials charges as required as per direction of EIC/ Surveyor(Capacity : 810 L)	2.00	No.	3000.00	6000.00
26.00	The flooring of master, crew cabin & passage way including cement flooring(SqrMtr=80) to be renewed of existing thickness and vinyl sheet to be fitted with its adhesive on cement flooring after proper cleaning adhesive on cement flooring after proper cleaning as required as per direction of EIC/ Surveyor.				
26.10	Labour charges	1.00	Comp.job	25000.00	25000.00
26.20	Cost of spares (Actual bill/invoice + 10%)				
27.00	Sewage tank to be cleaned properly including labour and materials charges as required as per direction of EIC/ Surveyor(Capacity : 2000 L)	1.00	No.	12000.00	12000.00
28.00	Overhead fresh water tank has to be replaced with existing one including labor and materials as required as per direction of EIC.	1.00	No.	10000.00	10000.00
29.00	Servicing and repair of pump's motors(Sea water, Fresh Water, GS, Fuel Oil and Sewage = 6 nos.) to be done with checking of insulation, heat varnishing and megger testing etc. With renewal of spares as required as per direction of EIC/Surveyor.				
29.10	Labour charges	1.00	Comp.job	25000.00	25000.00
29.20	Cost of spares (Actual bill/invoice + 10%)				
30.00	Deck crane alongwith its motor to be serviced and making oil leak proof with renewal of spare parts as required as per direction of EIC/Surveyor(Capacity:1.5T)				
30.10	Labour charges	1.00	No.	30000.00	30000.00
30.20	Cost of spares (Actual bill/invoice + 10%)				
31.00	Fresh water pump (2 no.) and Sea water pump (2 no.), Bilge/fire / GS pumps to be over hauled and repaired with replacement of spare parts as required as per direction of EIC/ Surveyor.	6.00	No.	4000.00	24000.00
32.00	Fuel oil transfer pump (1 no.) to be over hauled and repaired with replacement of spare parts as required as per direction of EIC/ Surveyor.	1.00	No.	10000.00	10000.00
33.00	Sewage pump (1 no.) Make: Rotodyne, Model: HGP 150 to be over hauled and repaired with replacement of spare parts as required as per direction of EIC/ Surveyor.				
33.10	Labour charges	1.00	Comp.job	10000.00	10000.00
33.20	Cost of spares (Actual bill/invoice + 10%)				
34.00	Anchor chain(dia-12 ,length-1.5 shackle) to be drawn out and calibrated as required. The chain and locker/compartment to be painted with one coat of zinc chromate primer followed by two coats of existing colour marine paints including labour charges and materials costs as per direction of EIC/Surveyor.	2.00	No.	10000.00	20000.00
35.00	Servicing , repair of Alternator (Make - Integrated electric, 50 KVA, 415 V, 3 Phase, 1500 rpm) to be donewith checking of insulation, heat varnishing and megger testing, etc. with renewal of material as required as per direction of EIC/surveyor.				


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35.10	Labour charges	1.00	No.	15000.00	15000.00
35.20	Cost of spares (Actual bill/invoice + 10%)				
36.00	Servicing , repair of Alternator (Make - Make - Integrated electric, 25 KVA, 415 V, 3 Phase, 1500 rpm) to be done with checking of insulation, heat varnishing and megger testing, etc. with renewal of material as required as per direction of EIC/surveyor.				
36.10	Labour charges	1.00	No.	15000.00	15000.00
36.20	Cost of spares (Actual bill/invoice + 10%)				
37.00	To check and service/ repair of battery charger, etc with renewal of spares as required as per direction of EIC/ Surveyor.				
37.10	Labour charges	1.00	No.	10000.00	10000.00
37.20	Cost of spares (Actual bill/invoice + 10%)				
38.00	Anchor winches are to be serviced and made operational as required as per direction of EIC/ Surveyor.				
38.10	Labour charges	1.00	Comp. Job	10000.00	10000.00
38.20	Cost of spares (Actual bill/invoice + 10%)				
39.00	Some of the life bouys are damaged. Supply of new life bouy of approved make and of required standards/certification is to be supplied including of all necessary accessories as per applicable norms all complete as per direction of EIC/Surveyor.	4.00	No.	3000.00	12000.00
40.00	Fire extinguisher to be hydraulic tested, refilled and made operational after renewal of accessories as required as per direction of Surveyor/ EIC.				
40.10	DCP-5 kg	4.00	No.	2000.00	8000.00
40.20	Mechanical foam AFFF -9 ltr	5.00	No.	2000.00	10000.00
40.30	Liquid CO2 - 4.5 Kg.	3.00	No.	2500.00	7500.00
TOTAL LABOR COST(Excluding GST)				1559500	
Rupees FIFTEEN LAKH FIFTY NINE THOUSAND and FIVE HUNDRED only					


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