

**Pre Bid Queries of "DRY DOCK REPAIR WORKS OF RO-RO VESSEL MV BHUPEN HAZARIKA DURING THE YEAR 2024-25".**


**Pre Bid Meeting held on 13.01.2025**

**TENDER Reference No: - IWAI/BBSR/3/(106)/MVBH/2021-22**

**Tender ID: 2024\_IWAI\_839983\_1**

Sl.No.	Section No. Clause, Sub Clause No and Page No. of Tender	Tender clause description	Queries	Reply of IWAI, Noida
1	-	-	Requesting to consider SURVEYER on ship scope	The stage survey to be carried by IWT surveyor or IRS as a third Party.
2	-	-	Requesting to consider paint and paint rep on ship scope	Tender condition prevail,
3	-	-	1. Requesting to consider paint on ship scope. 2. Requesting to provide pipe length and size. 3. Requesting to consider surveyor on ship scope. 4. Request to consider repair or renewal against AWRF	Tender condition prevail,
4	-	-	Requesting to provide qty , type and specification of pumps.Request to consider spares on ships scope and repair or renewal against AWRF	The bidder has to visit the Vessel at Chandbali, Odisha prior to quote the rates accordingly.
5	-	-	Requesting to provide qty, type and specification of motors.Request to consider spares on ships scope and repair or renewal against AWRF	Tender condition prevail.
6	-	-	Please specify scope of work. Request to consider spares on ships scope and repair or renewal against AWRF	Tender condition prevail.
7	-	-	Please specify Bushes dimension ,make and provide drawing of shafting. Request to consider spares on ships scope and repair or renewal against AWRF	Tender condition prevail.Please find enclosed herewith a technical details as at <b>Annex-A</b> .
8	-	-	Requesting to consider surveyor and utg on ship scope	Tender condition prevail.
9	-	-	Request to provide PAC, qty, sr no and routine details. Request to consider spares on ships scope and repair or renewal against AWRF	Tender condition prevail.Please find enclosed herewith a technical details as at <b>Annex-B</b> .
10	-	-	Requesting to provide of size and quantity	Tender condition prevail.
11	-	-	Requesting to provide of quantity of cooler of each engine.Request to provide PAC details. Request to consider spares on ships scope and repair or renewal against AWRF	Tender condition prevail. Please find enclosed herewith a technical details as at <b>Annex-B</b> .
12	-	-	Requesting to provide quantity of each item and provide PAC details of fire alarm.	Tender condition prevail.
13	-	-	Requesting to provide tank details, length of pipe and size.	Tender condition prevail.
14	-	-	Requesting to provide of size and material of strainer.	Tender condition prevail.
15	-	-	1. Requesting to provide of size, type and quantity of valves. 2. Requesting to provide details of pipe. 3. Requesting to consider of IRS surveyor on ship scope 4. Request to consider repair or renewal against AWRF	Tender condition prevail.Please find enclosed herewith a technical details as at <b>Annex-C</b> .
16	-	-	Requesting to provide quantity of door, window, wardrobe.	Tender condition prevail.
17	-	-	Requesting to provide of qty of man hole	Complete Job. Tender condition prevail.
18	-	-	Requesting to provide of quantity of hatch and details of rubber beading	Complete Job.Tender condition prevail.
19	-	-	Requesting to provide of details of pully and wire	Complete Job.Tender condition prevail.
20	-	-	Requesting to provide routine details.Request to provide PAC, sr no and routine details. Request to consider spares on ships scope and repair or renewal against AWRF	Tender condition prevail.(Routine to be do as per Marine Standard Practice)
21	-	-	Requesting to consider anodes ship supply	Tender condition prevail, please refer to BOQ Sl no. 33 at page 103
22	-	-	Kindly provide the quantity and details for each of the following items: flushing systems, taps, wash basins, soap stands, towel rails, hangers, hooks, and jet showers.	The bidder has to Vessel at Chandbali, Odisha the site prior to quote the rates accordingly

 Vikas Kumar Sen (Assistant Director)	 Charat Lal Meena (Senior Account Officer)	 Rakesh Kumar (Director Hydrography)
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1.	Type of Vessel	:	RO-RO VESSEL
2.	Name of Vessel	:	M.V. BHUPEN HAZARIKA.
3.	Official Number	:	W. B. 1702
4.	Owner	:	Inland Waterways Authority of India, A-13, Sector -1, Noida, U.P.-201 301.
5.	Inspecting Authority	:	INDIAN REGISTER OF SHIPPING.
6.	Classification	:	IWL  IY
7.	Builder's Yard No.	:	Yard No.- PL- 63
8.	Place of Registry	:	KOLKATA
9.	Length Overall	:	46.50 M
10.	Breadth (Mid.)	:	13.30 M
11.	Depth upto Main Deck	:	3.00 M
12.	Draft (Loaded)	:	1.5 M
13.	Stern	:	TRANSOM.

14.	Construction	:	STEEL HULL
15.	No. of Transverse WT Bulkheads	:	6 ( Six )
16.	Complement	:	8 (Eight)
17.	Passenger Capacity	:	100 (One hundred)
18.	Truck Loading Capacity	:	8 (Eight)
19.	Anchor & Chain	:	2 Nos. Bower Anchor, AC-14 HHP --- Wt. 390 Kg. each Chain -6 X 27.5 M - 17.5 mm dia --- MS Stud Link Gr.U2 --- 1 No. Stern Anchor - Wt. 390 Kg.
20.	Propulsion	:	Twin Screw.
21.	Main Engine	:	Yanmar Asia (Singapore) Corporation Pte. Ltd. (YASC). MODEL - YANMAR 6HA2M-WHT X 2 X 359 MHP X 1950 RPM Serial No. : 2445 (Port Side) Serial No. : 2446 (Stbd Side)
22.	Gear Box	:	Yanmar Asia (Singapore) Corporation Pte. Ltd. (YASC). MODEL- YX-120-3 MAKE ; YANMAR, RATIO : 3.04:1
23.	Bow Thruster Drive	:	YANMAR MODEL : 6CHE 3, RATING: 130 MHP@ 2600 RPM MAKE : YANMAR
24.	Bow Thruster Unit	:	MAKE : ZF MODEL : ZFTT1000,L Drive Unit.
25.	Auxiliary Engine	:	25 KVA, Model S 433 (Simpson) 65 KVA, Model 4R1040TA (Kirloskar)
26.	Duties and Plying Limit	:	Smooth and Partially Smooth water of Inland waterways.

**Rudder Stock and Rudder stock Assembly**

<b>Sr. No.</b>	<b>Description</b>	<b>Material</b>	<b>Quantity</b>
1	Rudder	Mild Steel	02 Nos.
2	Rudder Stock (Lower)	Forged Steel	02 Nos.
3	Rudder Stock (Upper)	Forged Steel	02 Nos.
4	Bush	Gun Metal B.S.-1400 LG2	02 Nos.

**SUMMARY LIST OF ALL INSTRUMENT/EQUIPMENT INSTALLED ON RO- RO VESSEL "MV BHUPEN HAZARIKA"**

SL	DESCRIPTION	CAPACITY/MODEL	MANUFACTURER/SUPPLIER
1.	Main Engine	YANMER 6HA2M-WHT (350 mhp @ 1950 rpm) Model- YANMER YX-120-3 Reduction Ratio – 3.04:1	YANMAR ASIA (SINGAPUR) CORPORATION PTE. LTD (YASC) 4, Tuas Lane, Singapore-638613
2.	Prime Drive of Thruster	YANMER 6CHE3 (130 mhp @ 2600 rpm)	YANMAR ASIA (SINGAPUR) CORPORATION PTE. LTD (YASC) 4, Tuas Lane, Singapore-638613
3.	Bilge Pump	Model – SNH 65 – 160(S)	MESCO EQUIPMENT (P) LTD. 2A, Ganesh Chandra Avenue, Commerce House, 9 <sup>th</sup> Floor, Flat 5A. Kolkata – 700013.
4.a.	25 KVA Generator	25 KVA Marine DG Sets Consisting of Simpson Marine Diesel Engine, Model- S 433 coupled to Crompton make A.C. alternator	M/S LOURENCO MARINE PVT LTD, S20, First Phase, Verna Industrial Estate, Verna, Salcetter, Goa- 403 722.
4.b.	65 KVA Generator	65 KVA Marine DG Set consisting of KIRLOSKAR Marine Diesel Engine Model- 4R1040TA coupled to Greaves make Alternator	KIRLOSKAR OIL ENGINES LTD. Laxmanrao Kirloskar Road, Khadki, Pune – 411 003.
5.	Anchor	HHP Anchor, AC-14, Weight : 390 kgs,	CHONGQING HI-SEA MARINE EQUIPMENT IMPORT ANED EXPORT CO. LTD. 15F Jinshan Matrix A, Saidi Road, Liangjiag New Area, Chongqing, China.



SL	DESCRIPTION	CAPACITY/MODEL	MANUFACTURER/SUPPLIER
6.	Chain	Size- 17.5 mm dia, cc2 Grade	CHONGQING HI-SEA MARINE EQUIPMENT IMPORT ANED EXPORT CO. LTD. 15F Jinshan Matrix A, Saidi Road, Liangjiag New Area, Chongqing, China.
7.	Bow Thruster Unit	ZF TT 1000, L-Drive Unit, Type Code- ZF TT 1001 FP, Engine Rating- 130 mhp @ 2600RPM	ZF SERVICES MIDDLE EAST LLC, P.O. Box 60203, Dubai, United Arab Emirates.
8.	Ventilation	Capacity- 8500 CMH Fan Model- TDA 560 / 289.59	KRUGER VENTILATION INDUSTRIES (NORTH INDIA) PVT. LTD. Plot No.- 191, Sector-59, HSIDC, Faridabad, Haryana- 121 004
9.	Electro Hydraulic Steering Gear	Model : HD 250-15	M/S LOURENCO MARINE, S20, First Phase, Verna Industrial Estate, Verna, Salcetter, Goa- 403 722.
10.a.	Life Raft	i)Type A8 ii)Type A25	SHANGHAI DEHUAN INDUSTRY CO. LTD. 317/319, Xingwei Industrial Park, Yanggao South Road 6168, Pudong New Area, Shanghai, P. R. China- 201315
10.b.	Life Jacket	i)Model No- RSCY-A4 ii)Model No- RSEY-1	SHANGHAI DEHUAN INDUSTRY CO. LTD. 317/319, Xingwei Industrial Park, Yanggao South Road 6168, Pudong New Area, Shanghai, P. R. China- 201315
10.c.	Life Buoy	i)2.5 kgs Life Buoy ii)Light with Lithium Battery Model: DHRSQD-1	SHANGHAI DEHUAN INDUSTRY CO. LTD. 317/319, Xingwei Industrial Park, Yanggao South Road 6168, Pudong New Area, Shanghai, P. R. China- 201315
11.a.	Ramp Winch	i.70kn Ramp winch, ii.22kn hydraulic power pack for 7kn ramp winch details based on drawing	CHONGQING HI-SEA MARINE EQUIPMENT IMPORT ANED EXPORT CO. LTD. 15F Jinshan Matrix A, Saidi Road, Liangjiag New Area, Chongqing, China.

SL	DESCRIPTION	CAPACITY/MODEL	MANUFACTURER/SUPPLIER
11. b.	Windlas	details based on approved drawing	CHONGQING HI-SEA MARINE EQUIPMENT IMPORT ANED EXPORT CO. LTD. 15F Jinshan Matrix A, Saidi Road, Liangjiag New Area, Chongqing, China.
12.	Propeller & Stern Gear	i)100mm x pitch 737 x 4 blades propeller in MnBr suitable for Engine of 350 BHP & Gear Reduction of 3.04:1 as per approved drawing ii)Stern Gear Assembly SS Forged 316L Grade	MEGHNA METALLURGICAL & MARINE WORKS PVT LTD. O & W Old Khimji Vishram, Opp Swan Mill, TJ Road, Sewri (W), Mumbai – 400015.
13.	Valves	As per approved drawing	M/S BIJOLI ENGINEERING WORKS, 26/4, Bhagawan Chatterjee Lane, Kadamtala, Howrah-711 101
14.	Cables	0.6/1.0 KV grade cable, gen to IEC 92-353	KEI INDUSTRIES LIMITED 113-F, Matheswartala Road, 4 <sup>th</sup> Floor, Kolkata-700 046
15.	Rudder Assembly	As per approved drawing	G.P. INDUSTRIES, Baltikuri Brahminpara (Karatibagan), Howrah-
16.	“A” Bracket & “I” Bracket	“A” Bracket Size- 175 mm x 40mm “I” Bracket Size- 175x40x700	MEGHNA METALLURGICAL & MARINE WORKS PVT LTD. O & W Old Khimji Vishram, Opp Swan Mill, TJ Road, Sewri (W), Mumbai – 400015.
17.	Echo Sounder & VHF	Echo Sounder Model No- FCV688 VHF Model No.- FM4000	A.S. MOLOOBHOY PVT. LTD. Anchor House, 49/5/2d, Karl Marx Sarani, Bhukailash Maidan, Kolkata-700 023.
18.	VHF, WALKI/TALKIE & Compass	Walkie/Talkie Non IS GP 328 VHF Model- GP328 Magnetic Compass Model-Navtech65	A.S. MOLOOBHOY PVT. LTD. Anchor House, 49/5/2d, Karl Marx Sarani, Bhukailash Maidan, Kolkata-700 023.
19.	GPS	Model- GP-25 Make - Furono	A.S. MOLOOBHOY PVT. LTD. Anchor House, 49/5/2d, Karl Marx Sarani, Bhukailash Maidan, Kolkata-700 023.