



KHULNA SHIPYARD LIMITED

BANGLADESH NAVY

Labonchara, Khulna-9201, Bangladesh

Phone: 02-44110987, 02-477720003, Fax: 02-477720404

E-mail: plans@khulnashipyard.com, Web: www.khulnashipyard.com

Project-632/ ০৭

Date: 02 January 2024

REQUEST FOR PROPOSAL (RFP)/ REQUEST FOR QUOTATION (RFQ) - PROCUREMENT OF IMPRESSED CURRENT CATHODIC PROTECTION (ICCP), ZINC ANODE AND MARINE GROWTH PROTECTION SYSTEM (MGPS)

1. **Item Description.** Khulna Shipyard Limited (KSY) intends to procure Impressed Current Cathodic Protection (ICCP), Zinc anode and Marine Growth Protection System (MGPS) and Qty. 03 (Three) complete sets from reputed suppliers/manufacturer/ companies.
2. **Scope of Supply.** The scope of supply/technical specification is attached with the RFP/ RFQ as an Annex-A (ICCP, Zinc anode and MGPS).
3. **Schedule Collection and Offer Submission.** Interested supplier/ manufacturer/ companies are hereby requested to contact the following for the collection of the RFP/ RFQ Schedule and submission of the offer:

General Manager
Design & Planning Department
Khulna Shipyard Ltd. Bangladesh Navy
Khulna-9201
Cell: +8801769-784605 (WhatsApp)
Email: plans@khulnashipyard.com

4. **Bidder's Qualification Documents to be Submitted.**

- a. Valid Trade License.
- b. Business Registration Certificate/ Article of incorporation/ association.
- c. TIN/ equivalent Certificate.
- d. Bank Solvency Certificate.
- e. BIN/ equivalent Certificate.

5. **General Condition.**

- a. Article wise compliance statement fulfilling the requirement of the RFP/ RFQ is to be submitted for evaluation of the quotations. Stating mere 'Yes or No' will not suffice and detailed description/ information, brochures (as required) is to be given. An incomplete compliance statement in any part may attribute to cancellation of the offer. If any clause of this specification does not commensurate with the requirement, the deviation must be spelt out clearly.
- b. Financial offer should be quoted in USD/ EURO/ GBP/ BDT
- c. FOB price is to be clearly mentioned in the offer.
- d. CFR/ CPT price is to be clearly mentioned in the offer.

6. **Evaluation.** Among the technically responsive bidder/ bidders, KSY will consider the technically responsive lowest bidder for evaluation. During evaluation phase, KSY will establish direct contact with the top management of manufacturers. In this respect Bidders should provide necessary **links/ contact details** to ensure the genuinity of the manufacturer.

7. **Manufacturer Details.** The intended Manufacturer should be International Association of Classification Societies (IACS) approved and related certificates are to be submitted along with mill name, full address, telephone number, WhatsApp number, e-mail address.



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8. **Authorization Letter.** The concerned supplier must provide following original certificate (s)/ document (s) as applicable with the offer and during delivery of items as regard to the genuinity of source and items (s) in order to establish chain of links from the original source to supply:

- a. One certificate / document - by the original equipment manufacturer (OEM) in favour of the supplier (in case of OEM as principal).
- b. Two certificates/ documents - one by the OEM to the authorized agent/ dealer and other by the authorized agent/ dealer to the supplier (in case of authorized agent/ dealer as principal)
- c. Three certificates/ documents - first one by the OEM to the authorized agent/ dealer, second one by the authorized agent/ dealer to the sub-agent and third one by the sub-agent to supplier/ local representative (in case of sub agent as principal). If the supplier is unable to obtain the first certificate (by OEM to the authorized agent/ dealer), then it has to produce relevant document to prove agency-ship of its claimed agent of the recognized manufacturer.

9. **Pre-shipment Inspection (PSI).** Pre-shipment inspection (PSI) will not be required for this item. But the supplier/ seller should intimate buyer at least 10 days prior to the readiness of the shipment. Based on taking clearance from KSY, supplier/ seller will ship the goods.

10. **Performance Guarantee (PG).** 5-10% Performance Guarantee (PG) of the total contract price (TCP) will have to be submitted within 15 days after issuance of NoA. After that contract will be signed with mutual understanding. Validity of the PG should be upto delivery of the goods and final acceptance by the buyer. Failure to furnish PG will be considered as non-responsive.

11. **Warranty.** Supplier shall undertake the full responsibility to rectify any defect of supplied machinery/ equipment free of charges under warranty period. To rectify/ replace any such defective item, provided that the defects are appeared / discovered during the period of 12 months after acceptance and delivery of each vessel by BN. Warranty repair/ replacement shall be accomplished within 3 months of notification of the relevant defect. Otherwise warranty will be extended by non-operational period of the equipment.

12. **Guarantee for Warranty.** Supplier shall furnish to KSY a guarantee for warranty for an amount equivalent to 5% (five percent) of the total contract price from any scheduled bank situated in Bangladesh. The buyer shall have the right to forfeit the performance guarantee for failure of the supplier in fulfilling the terms and conditions of this contract partially or wholly, besides taking any other action against the supplier that may be warranted. It will be released after completion of warranty period

13. **Joint Inspection at KSY.** If any defective or 2nd hand item is found during the joint mustering of KSY & supplier at KSY premises the defective or 2nd hand item will not be acceptable. Supplier shall undertake the full responsibility to supply and replace the pitted or 2nd hand item by new one.

14. **Payment Terms.** 100% Payment will be made through irrevocable Letter of Credit (LC) opened with scheduled bank in Bangladesh and negotiating bank recommended by the seller under following terms and conditions:



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a. 80% of the CFR value of the contract will be paid on production of the following documents to the Bank:

- (1) Invoice.
- (2) Packing Note.
- (3) Manufacturer's/ Supplier's Inspection report/ Certificate.
- (4) Shipping Documents including Non Negotiable Bill of Lading or Airway bill marked freight "prepaid".
- (5) Warranty Certificate.
- (6) Pre-shipment Inspection Report signed by both seller and buyer.

b. Rest 20% of CFR value will be released on presentation of acceptance certificate signed by both the seller and buyer on completion of installation, Joint inspection and clearance from KSY to the bank.

15. **Advance Payment.** If the principal/ OEM is required to get an advance against LC, principal has to provide an Advance Bank Guarantee of the same amount in same currency as per Bangladesh Bank Policy. For any reason if the principal is incapable/ reluctant to provide Advance BG local representative/ Supplier will furnish the BG to KSY.

16. **Shipment Time.** Shipment will be done within 90 days after opening LC. Early shipment will get priority.

17. **Port of Shipment.** To be mentioned.

18. **Validity.** Offer validity will be 30 days from the submission date of offer.

19. **Deadline of Offer Submission.** Interested bidders should submit their technical and financial offer by or before **10 January 2024.**

20. **Consignee Address.**

The Managing Director
Khulna Shipyard Ltd.
Bangladesh Navy, Khulna, Bangladesh.
Phone: 02-44110987, 02-477720003
E-mail: plans@khulnashipyard.com
Web: www.khulnashipyard.com

21. **KSY reserves the right to accept/ reject all or any part of the bidder's offer against this RFP/ RFQ without showing any reason.**

MD JULHASH UDDIN AHMED
General Manager (Design & Planning)
Captain BN
For Managing Director

Enclosure:

1. Annex-A (Technical Specification) (ICCP, Zinc anode and MGPS). – 03 (Three) Pages.

TECHNICAL SPECIFICATION OF THE IMPRESSED CURRENT CATHODIC PROTECTION (ICCP), ZINC ANODE AND MARINE GROWTH PROTECTION SYSTEM (MGPS) - 3 X LCT PROJECT

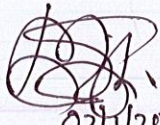
1.	Name of Equipment	:	Impressed Current Cathodic Protection (ICCP), Zinc anode and Marine Growth Protection System (MGPS) for reducing corrosion and marine growth.				
2.	Purpose	:	The ICCP, Zinc anode and MGPS will be used to protect the underwater surfaces of ships.				
3.	Ship's Material in different area	:	a. Hull Material: Mild Steel, Grade – AH 36. b. Shaft material: Duplex Stainless Steel, Grade-F51-4462 c. Propeller material: Aluminum Bronze.				
4.	Quantity	:	03 x complete sets of ICCP, 03 x complete sets of Zinc anode, 03 x complete sets of MGPS.				
5.	Country of Origin	:	To be mentioned/ Indonesia.				
6.	Manufacturing country	:	To be mentioned				
7.	Manufacturer	:	To be mentioned.				
8.	Type	:	To be mentioned. (If required)				
9.	Year of manufacturer	:	2023 or later. All items should be brand new and original				
10.	Ambient condition						
	a. Temperature	:	10 ⁰ to 45 ⁰ C				
	b. Relative humidity	:	up to 98%				
	c. Location	:	on board ship				
11.	The ICCP, Zinc anode and MGPS should have the following technical requirements for each ship:						
	a. ICCP	:	Scope of Supply per ship:				
			Ser.	Description	Qty.	Unit Price	Total price per ship
			(a)	ICCP controller power unit. i. Power/ Current: To be mentioned. ii. Voltage: To be mentioned. iii. Phase: To be mentioned. iv. Frequency: To be mentioned.			
			(b)	MMO/TI circular anode assembly. i. Type: To be mentioned. ii. Power/ Current: To be mentioned.			
			(c)	Cofferdam box for anodes.			
			(d)	Purity zinc reference electrode.			
			(e)	Cofferdam box assembly for reference electrode.			
			(f)	Anode cable Size: To be mentioned.			
			(g)	Reference electrode cable. Size: To be mentioned.			


	<table border="1"> <tr> <td>(h)</td> <td>Power supply cable to ICCP panel</td> <td></td> <td></td> <td></td> </tr> <tr> <td>(i)</td> <td>Epoxy filler. Type: To be mentioned. Quantity: To be mentioned.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>(j)</td> <td>Others to be mentioned to complete the system as per GA.</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;">Total CFR price for 3 x Ships</td> </tr> </table>	(h)	Power supply cable to ICCP panel				(i)	Epoxy filler. Type: To be mentioned. Quantity: To be mentioned.				(j)	Others to be mentioned to complete the system as per GA.				Total CFR price for 3 x Ships																								
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b. Zinc Anode	<p>: Scope of Supply per ship:</p> <table border="1"> <thead> <tr> <th>Ser.</th> <th>Description</th> <th>Qty.</th> <th>Unit Price</th> <th>Total price per ship</th> </tr> </thead> <tbody> <tr> <td>(a)</td> <td>5 kg Zinc Anode with steel bar to weld the Zinc anode with ship underwater area. Size to be mentioned.</td> <td>80</td> <td></td> <td></td> </tr> <tr> <td>(b)</td> <td>0.5 kg Zinc Anode with steel bar to weld the Zinc anode with sea chest and ballast tank. Size to be mentioned.</td> <td>40</td> <td></td> <td></td> </tr> <tr> <td>(c)</td> <td>Others to be mentioned to complete the system as per GA.</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;">Total CFR price for 3 x Ships</td> </tr> </tbody> </table>	Ser.	Description	Qty.	Unit Price	Total price per ship	(a)	5 kg Zinc Anode with steel bar to weld the Zinc anode with ship underwater area. Size to be mentioned.	80			(b)	0.5 kg Zinc Anode with steel bar to weld the Zinc anode with sea chest and ballast tank. Size to be mentioned.	40			(c)	Others to be mentioned to complete the system as per GA.				Total CFR price for 3 x Ships																			
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c. MGPS	<p>: (1) Basic Information to design the MGPS.</p> <p>(a) Material of sea water pipe line: Cu-Ni. (b) Anodes are to be fitted in sea chest. (c) Quantity of Sea chest: 12 (Twelve). (d) Max. flow rate of each sea chest as follows:</p> <table border="1"> <thead> <tr> <th>Ser.</th> <th>Sea chest</th> <th>Flow rate</th> </tr> </thead> <tbody> <tr> <td>i.</td> <td>4 X Main Engine sea chests, Flow rate of each sea chest.</td> <td>84.7 m3/hr</td> </tr> <tr> <td>ii.</td> <td>4 X Genset sea chests, Flow rate of each sea chest.</td> <td>~ 30 m3/hr</td> </tr> <tr> <td>iii.</td> <td>1 X Ballast/ Firemain sea chest,</td> <td>180 m3/hr</td> </tr> <tr> <td>iv.</td> <td>3 x Auxiliary, Flow rate of each sea chest.</td> <td>~ 80 m3/hr</td> </tr> </tbody> </table> <p>(2) Scope of Supply per ship:</p> <table border="1"> <thead> <tr> <th>Ser</th> <th>Description</th> <th>Qty.</th> <th>Unit Price</th> <th>Total price per ship</th> </tr> </thead> <tbody> <tr> <td>(a)</td> <td>MGPS control panel. i. Type: To be mentioned. ii. Power/ Current: To be mentioned.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>(b)</td> <td>Cu anode assembly. Dimension: To be mentioned.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>(c)</td> <td>Fe anode assembly. Dimension: To be mentioned.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>(d)</td> <td>Cu anode assembly.</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Ser.	Sea chest	Flow rate	i.	4 X Main Engine sea chests, Flow rate of each sea chest.	84.7 m3/hr	ii.	4 X Genset sea chests, Flow rate of each sea chest.	~ 30 m3/hr	iii.	1 X Ballast/ Firemain sea chest,	180 m3/hr	iv.	3 x Auxiliary, Flow rate of each sea chest.	~ 80 m3/hr	Ser	Description	Qty.	Unit Price	Total price per ship	(a)	MGPS control panel. i. Type: To be mentioned. ii. Power/ Current: To be mentioned.				(b)	Cu anode assembly. Dimension: To be mentioned.				(c)	Fe anode assembly. Dimension: To be mentioned.				(d)	Cu anode assembly.			
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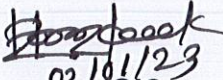
Wasis

HHC


				Dimension: To be mentioned.			
			(e)	Fe anode assembly. Dimension: To be mentioned.			
			(f)	Cofferdam box for anode to be mentioned.			
			(g)	Mounting flange for anode, standard to be mentioned.			
			(h)	Junction box watertight, Details to be mentioned.			
			(i)	Anode connection cable. Size: To be mentioned.			
			(j)	Others to be mentioned to complete the system as per GA.			
			Total CFR price for 3 x Ships				
12.	Standard necessary accessories	:	Any items not specified in this technical specification but essential to operate the supplied System/ Item is also under the scope of supply of the Supplier.				
13.	Documents	:	<p>a. Supplier will provide 01 (one) copy of operation and maintenance catalogue, information (data) etc of above mentioned system in English with the offer.</p> <p>b. Supplier will provide 9 (nine) sets of operation and maintenance catalogue, information (data) etc of above mentioned system in English during delivery of item.</p>				
14.	Certificate	:	Type Approval certification issued by a Recognized Body (other Classification Society, Flag administration or Certification Body) is to be provided with the subject mentioned items/ system. Coatings shall be recognized by LR as complying with the IMO Convention on the Control of Harmful Anti-fouling.				
15.	Installation Supervision	:	Supplier will provide his engineer/ expert at KSY during installation of the ICCP and MGPS systems for first vessel only. Subsequent sets of ICCP and MGPS systems will be installed by KSY under guidance of supplier. Supplier will provide required guideline through online/e-mail/ video call etc in this regard.				
16.	Test-Trial and Commissioning	:	Supplier will provide his engineer/ expert at KSY during Test-Trial and Commissioning of the ICCP and MGPS systems for three vessels.				
17.	Training	:	Supplier will provide 2 (Two) days onboard training during Commissioning of the ICCP and MGPS systems for first vessel only. Subsequent sets of ICCP and MGPS systems will be trained by KSY under guidance of supplier. Supplier will provide required guideline through online/e-mail/ video call etc in this regard.				

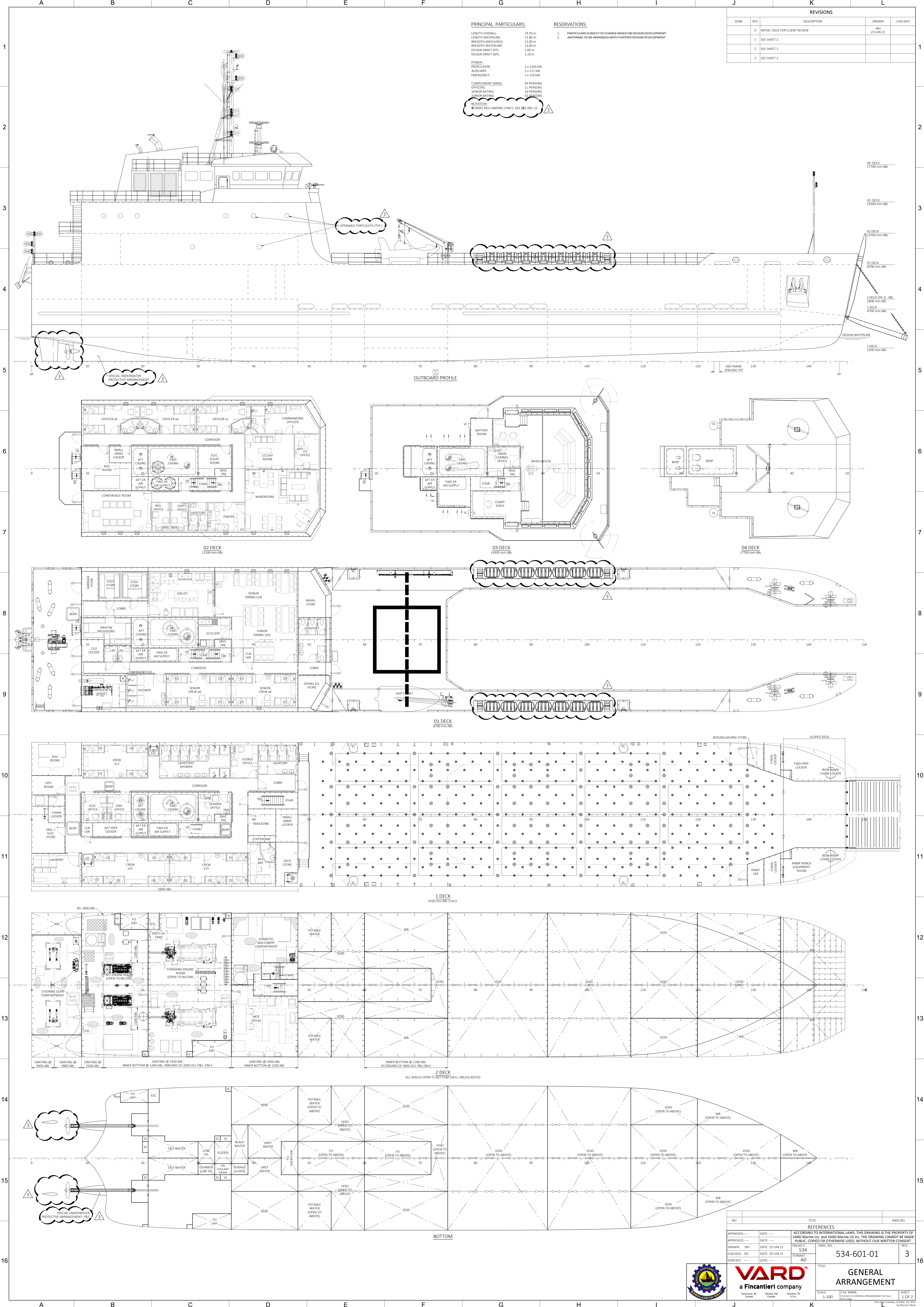

02/11/2024
Project Officer
(LCT)
Member


OIC
(R&D)
Member


02/11/23
OIC
(Military Products)
Member


Deputy General
Manager (D&P)
Member


General Manager
(D & P)
President



PRINCIPAL PARTICULARS:

LENGTH OVERALL: 74.50 m
LENGTH WATERLINE: 72.80 m
BREADTH (INCLUDED): 13.00 m
BREADTH WATERLINE: 13.00 m
DESIGN DRAFT (PP): 1.00 m
DESIGN DRAFT (AP): 2.20 m

POWER:
PROPULSION: 2 x 2240 kW
AUXILIARY: 2 x 272 kW
EMERGENCY: 1 x 129 kW

COMPLEMENT (MAX): 69 PERSONS
OFFICERS: 11 PERSONS
SENIOR RATING: 16 PERSONS
JUNIOR RATING: 42 PERSONS


NOTATION:
• LOCAL RES LANDING CRAFT, SAS (B) LMC LA

RESERVATIONS:


- PARTICULARS SUBJECT TO CHANGE BASED ON DESIGN DEVELOPMENT
- ANTENNAE TO BE ARRANGED WITH FURTHER DESIGN DEVELOPMENT

REVISIONS			
ZONE	REV	DESCRIPTION	CHECKED
	0	INITIAL ISSUE FOR CLIENT REVIEW	JRH 23 JUN 22
	1	SEE SHEET 2	
	2	SEE SHEET 2	
	3	SEE SHEET 2	

REFERENCES			
APPROVED: ---	DATE: ---	ACCORDING TO INTERNATIONAL LAWS, THIS DRAWING IS THE PROPERTY OF VARD Marine Inc. and VARD Marine US Inc. THE DRAWING CANNOT BE MADE PUBLIC, COPIED OR OTHERWISE USED, WITHOUT OUR WRITTEN CONSENT.	
APPROVED: ---	DATE: ---	PROJECT: 534	DWG. NO: 534-601-01
DRAWN: JRH	DATE: 23 JUN 22	FORMAT: A0	REV: 3
CHECKED: DG	DATE: 30 JUN 22		
VERIFIED: ---	DATE: ---		



VARD
a Fincantieri company



US COAST GUARD

FILE NAME: 534-601-01 GENERAL ARRANGEMENT SHIP012
SCALE: 1:300

SHEET: 1 OF 2

		B		C		D		E		F		G		H		I		J		K		L	
		REVISIONS																					
ZONE	REV	DESCRIPTION		DRAWN	CHECKED																		
-	-	HULL FORM REVISED																					
-	-	FRAME SPACING CHANGED FROM 600 mm TO 500 mm																					
-	-	DECKS RENAMED PER BN 2170 STANDARD																					
1-C1, 1-K6		MAIN MAST REVISED																					
1-B2, 1-C6, 1-F4, 1-C9, 1-C11		CASING ARRANGEMENT REVISED FOLLOWING ENGINE ROOM SUBDIVISION																					
1-B3, 1-F5, 1-F7		03 DECK LIFERAFTS REMOVED																					
1-A4		AFT BULWARKS REMOVED																					
1-E3, 1-H6, 1-H7		ARMAMENT RELOCATED FROM 01 DECK																					
1-E3		BRIDGE WINDOWS REVISED TO UTILIZE ISO WINDOW SIZES																					
1-E3		DECKHOUSE FRONT GEOMETRY REVISED																					
1-F4		REMOVABLE RAILINGS ADDED																					
1-C4, 1-C11		1 DECK AFT OF FRAME 48 RAISED TO 5600 ABL																					
1-B5		PROPELLER/SSKEG ARRANGEMENT REVISED																					
1-G1		PRINCIPAL PARTICULARS REVISED																					
1-H4, 1-H8, 1-H9		01 DECK WALKWAY ADDED. LIFERAFTS CHANGED TO SINGLE STACK. VERTICAL LADDERS ADDED																					
1-B3, 1-B8		FORWARD MAST REVISED																					
1-B6		AHU ROOM RELOCATED FROM 1 DECK																					
1-B6		CREW SMALL ARMS LOCKER ADDED																					
1-D6		ELECTRICAL EQUIPMENT ROOM ADDED																					
1-O6, 1-G6, 1-C9, 1-C11		MAIN STARTTOWER MOVED FROM PORT TO STARBOARD																					
1-C7		REGULATING OFFICE ADDED																					
1-C7		SHIP'S OFFICE RELOCATED FROM 01 DECK																					
1-O6, 1-G6, 1-O8, 1-D11		SERVICE TRUNK ADDED																					
1-E6		CO DAY ROOM SUBDIVIDED INTO DAY ROOM AND OFFICE																					
1-G6		BATTERY ROOM ENLARGED AND RELOCATED																					
1-O6		MAIN COMMUNICATIONS OFFICE RELOCATED																					
1-H6		WHEELHOUSE FRONT GEOMETRY REVISED																					
1-G5, 1-G7		BRIDGE WINGS ADDED																					
1-K5, 1-K7		CAMBER ADDED TO 04 DECK																					
1-A9		AFT ANCHORING/MOORING/TOWING ARRANGEMENT REVISED																					
1-B8		GARBAGE STORE ADDED																					
1-B8		DRY/TIN PROVISIONS RELOCATED																					
1-E11, 1-B9	1	DECK STORE ADDED; CO2 LOCKER RELOCATED TO 01 DECK		ACN 15 DEC 22	MAM 15 DEC 22																		
1-B9		LAVATORIES ADDED																					
1-C6		SCULLERY ADDED																					
1-D9		SENIOR CREW CABINS REARRANGED WITH DOUBLE BERTHS ONLY																					
1-D7		SENIOR/JUNIOR DINING REARRANGED WITH TEMPORARY PARTITIONS. PASS/THROUGH FROM GALLEY TO SENIOR DINING ADDED																					
1-E8		LAVATORY RELOCATED																					
1-B3, 1-D10		BEDDING/LAUNING STORE ADDED; NAVAL STORE RELOCATED TO 01 DECK																					
1-B11, 1-E9		PAINT LOCKER ADDED; DIVING EQUIPMENT STORE RELOCATED TO 01 DECK																					
1-F9, 1-F7		CAMBER ADDED TO 01 DECK																					
1-K8, 1-K9		FORWARD ANCHORING/MOORING/BOW RAMP ARRANGEMENT REVISED																					
1-A10		HFU ROOM RELOCATED																					
1-B10		AFT CHAIN LOCKER ADDED																					
1-A11		ENGINEERING/ELECTRICAL STORE RELOCATED																					
1-A11		LAUNDRY RELOCATED TO REPLACE STARBOARD AHU ROOM																					
1-B11		AFT DAMAGE CONTROL LOCKER ADDED																					
1-B10		ELECTRICAL OFFICE AND ENGINEERING OFFICE RELOCATED																					
1-C10		LAVATORY RELOCATED AND CONSOLIDATED WITH SHOWER																					
1-D10		STORES OFFICE RELOCATED																					
1-D11		SICK BAY RELOCATED																					
1-D11		MAGAZINE RELOCATED. COFFERDAMS ADDED AS NECESSARY																					
1-D12, 1-D10		STAIRWAY FROM 1 DECK TO 2 DECK RELOCATED																					
1-E11		TWO 3" SMALL ARMS LOCKER ADDED; BAG STORE REMOVED																					
1-E10		ELEVATED WALKWAY ADDED																					
1-K10		FORWARD DAMAGE CONTROL LOCKER ADDED																					
1-L11		1 DECK FORWARD GEOMETRY MODIFIED TO ACCOMMODATE VEHICLE FLOW AND WIDENED BOW RAMP																					
1-A12, 1-A13		RUDDER/STEERING GEAR POSITIONED 350 mm OFFSET FROM SHAFT																					
1-C12, 1-C14		ENGINE ROOM SUBDIVIDED INTO FORWARD AND AFT ENGINE ROOM																					
1-B12, 1-C13		FUEL OIL DAY TANKS ADDED																					
1-D13		MCR RELOCATED																					
1-D12		DOMESTIC MACHINERY COMPARTMENT ADDED																					
1-E12, 1-E13, 1-E14, 1-E16		POTABLE WATER TANKS RESIZED																					
1-F12, 1-F14		FUEL OIL TANKS RELOCATED																					
1-F12, 1-F16, 1-K13, 1-F16		BALLAST TANK ARRANGEMENT REVISED																					
1-D14		AUXILIARY TANKS ADDED																					
1-A3		AFT NAVIGATION MAST ADDED																					
1-A10		ESCAPE HATCH REVISED TO TRUNK WITH DOOR																					
1-A8		AFT MOORING ARRANGEMENT REVISED																					
1-B10		BERP ADDED																					
1-B10		ESCAPE TRUNK REMOVED																					
1-B11, 1-B12		BERP REVISED; CLEAN LOCKER RELOCATED																					
1-B11, 1-B13		ESCAPE TRUNK REMOVED																					
1-B12		DAY TANK AFT BOUNDARY MOVED FWD																					
1-B13		SEACHEST ARRANGEMENT UPDATED																					
1-C13		DAY TANK AFT BOUNDARY MOVED AFT																					
1-C15		FWD ER BOTTOM TANK ARRANGEMENT REVISED																					
1-D11		HATCH HEIGHT REVISED TO 4700 mm ABL; STAIR REMOVED																					
1-D15		DOUBLE BOTTOM TANK ARRANGEMENT REVISED																					
1-O2, 1-K6		MAIN MAST REVISED TO POLE MAST		ACN 20 MAR 23	ISA 21 MAR 23																		
1-F14, 1-F16		DOUBLE BOTTOM ADDED IN WING TANKS FR 60-75																					
1-G1		PRINCIPAL PARTICULARS UPDATED																					
1-G4		HULL FORM LENGTHENED																					
1-G6		LOCKER REMOVED																					
1-G8, 1-Q9		LIFERAFT CAPACITY REVISED TO SERVE CREW COMPLEMENT ONLY																					
1-H1		RESERVATIONS REMOVED																					
1-H6		BRIDGE FRONT WINDOWS REVISED																					
1-A4		SUBDIVISION BULKHEADS RELOCATED FOLLOWING HULL LENGTHENING																					
1-H6		BERPS FOR ER EQUIPMENT REMOVAL ADDED																					
1-O6, 1-C2		FORWARD ENGINE ROOM CASING FORWARD BULKHEAD MOVED FORWARD 500 mm																					
1-K10, 1-K11		BOW RAMP CHAIN LOCKERS ADDED																					
1-K8		FORWARD MAST RELOCATED TO PORT SIDE																					
1-L8, 1-L9		FORWARD ANCHORING/MOORING/BOW RAMP WINCH ARRANGEMENT REVISED																					
ALL		CLASS NOTATIONS UPDATED																					
		LIFERAFT QUANTITIES UPDATED																					
		OPENABLE PORT LIGHTS INDICATED																					
		SPECIAL UNDERWATER PROTECTIVE SYSTEM INDICATED		ACN 16 OCT 23	M.M. 16 OCT 23																		
		VENDOR PROPELLER AND RUDDER ADDED																					
		MACHINERY AND STRUCTURE BACKGROUNDS UPDATED																					