

REQUEST FOR INFORMATION (RFI) FOR ACQUISITION OF
05 MULTI-PURPOSE EMERGENCY RESPONSE VESSELS
(05 MERVs)

1. The Indian Coast Guard, Ministry of Defence, Government of India, intends to procure 05 Multi-Purpose Emergency Response Vessels (05 MERVs) from prospective Shipyards.
2. This Request for Information (RFI) consists of three parts as indicated below:-
 - (a) **Part I.** The first part of the RFI incorporates operational characteristics and features that should be met by the Vessel. Few important technical parameters of the proposed Vessel are also mentioned.
 - (b) **Part II.** The second part of the RFI states the methodology of seeking response of vendors. Submission of incomplete response format will render the vendor liable for rejection.
 - (c) **Part III.** Guidelines for Framing Criteria for Pre-Qualification in Buy Indian (IDDM), Buy (Indian) and Buy & Make (Indian) Cases.

PART-I

3. **Intended Use of Equipment (Operational Requirements).** These MERVs will be a Multi-Purpose Emergency Response Vessels capable of undertaking multifarious operations such as M-SAR, Towing of maritime casualty, HADR, Fire-Fighting, Salvage etc. in inclement weather conditions.

Primary Roles

- (a) Maritime Search and Rescue Operations.
- (b) Fire Fighting Operations.
- (c) Towing and Salvage Operations.
- (d) Humanitarian Assistance and Disaster Relief (HADR) Operations.

Secondary Roles

- (e) Pollution Response.
- (f) Maritime Law Enforcement.
- (g) Underwater search and limited diving support.
- (h) Medical Relief.

4. **Important Technical Parameters.** Broadly elucidated at **Appendix 'A'**.
5. Vendors should confirm that following conditions are acceptable:-
 - (a) The shipyard/vendor should have a valid Technical Capacity Assessment

Certificate to build MERVs/ equivalent class as detailed in Chapter-XII of DAP-2020 till signing of contract.

(b) The solicitation of offers will be as per 'Single Stage-Two Bid System'. It would imply that a 'Request for Proposal' would be issued soliciting the technical and commercial offers together, but in two separate sealed envelopes. The validity of commercial offers would be at least 18 months from the last date of submission of offers.

(c) The Financial Parameter of the bidders would be evaluated by a Financial Parameter Evaluation Committee.

(d) The technical offers would be evaluated by a Technical Evaluation Committee (TEC) to check its compliance with RFP.

(e) Amongst the vendors cleared by TEC evaluation, a Contract Negotiations Committee would decide the lowest cost bidder (L1) and conclude the appropriate contract.

(f) Vendor would be bound to provide product support for time period specified in the RFP, which includes spares and maintenance tools/jigs/fixtures for field and component level repairs.

(g) The vendor would be required to accept the general conditions of contract given in the Standard Contract Document at Chapter VI of DAP 2020.

(h) **Integrity Pact.** An integrity is a mandatory requirement in the instant case (**Refer Annexure I to Appendix M of Schedule- I**) to chapter II of DAP 2020).

(i) **Performance-cum-Warranty Bond.** Performance-cum-Warranty Bond equal to 5% value of the contract inclusive of taxes and duties is required to be submitted after signing of contract.

PART-II

6. Procedure for Response.

(a) The procedure for Response to this RFI is at **Appendix B**. Vendors must fill the form of response as given in **Appendix C** and the questionnaire attached at **Appendix D** to this RFI document (Reference **Annexure II, III to Appendix A, Chapter II, DAP 2020**). Apart from filling details about company, details about the exact product meeting other generic technical specifications should also be carefully filled. Additional literature on the MERVs can also be attached with the form.

(b) The filled form should be dispatched at under mentioned address:-

The Principal Director (Ship Acquisition),
Coast Guard Headquarters,
National Stadium Complex, New Delhi- 110001,
E-mail- dte-sa@indiancoastguard.nic.in,
Tel: 011-23115312, 011-23115313. Fax: 011- 23073529

(c) An interaction meeting / VC will be held on **10 Aug 2026** to address the queries of vendors. Last date to receive queries is **03 Aug 2026**.

(d) Last date of acceptance of filled form is **05 Oct 2026**.

7. The Government of India invites responses to this request only from Original Equipment Manufacturers (OEM) /Authorised Vendors / Government Sponsored Export Agencies (applicable in the case of countries where domestic laws do not permit direct export by OEMs). The end user of 05 MERVs is the Indian Armed Forces (Indian Coast Guard).

8. This information is being issued with no financial commitment and the Ministry of Defence reserves the right to change or vary any part thereof at any stage. The Government of India also reserves the right to withdraw it should it be so necessary at any stage. The acquisition process would be carried out under the provisions of DAP-2020.

PART – III

GUIDELINES FOR FRAMING CRITERIA FOR SHIPBUILDING CASES

9. The guidelines prescribed for short-listing / pre-qualification of Indian vendors in case of ship building cases are detailed in Chapter XII of DAP-2020 (**Appendix C to Chapter XII of DAP2020 is relevant**).

Appendix A
(Refer to Para 4 of RFI)

**TECHNICAL PARAMETERS:
MULTI-PURPOSE EMERGENCY RESPONSE VESSELS (MERVs)**

Ser No.	Parameters/ Features a.	Details b.
A multi-role emergency response surface platform capable of undertaking multifarious operations such as M-SAR, Towing of maritime casualty, HADR, Fire-Fighting, Salvage etc. in inclement weather conditions. The vessel shall also be capable of undertaking Pollution Response, limited diving support, extended medical relief, surveillance and law enforcement operations.		
Operational Capability.		
1.	Operational Capability	The ship is envisaged to perform following primary and secondary roles: - Primary Roles. 1.1. Maritime Search and Rescue Operations. 1.2. Fire Fighting Operations. 1.3. Towing and Salvage Operations. 1.4. Humanitarian Assistance and Disaster Relief (HADR) Operations. Secondary Roles. 1.5. Pollution Response. 1.6. Maritime Law Enforcement. 1.7. Underwater search and limited diving support. 1.8. Medical Relief.
Principal Dimensions.		
2.	Length (Overall)	130 m ($\pm$ 05 %)
3.	Beam	Minimum 18 m.
4.	Displacement	4.1. Maximum displacement as per design to meet endurance, loading and speed requirements. 4.2. Uniform / even weight distribution methodology to be adopted across the length of the vessel for better seakeeping characteristics.
5.	Stability	Stability standards as per DEF STAN 02/2019 (NES 109) for intact and damage stability.

6.	Max Propeller Draught (Full load)	Not more than 6.5 m.
7.	Maximum sustained speed	Not less than 20 Knots at 92% MCR at full load displacement.
8.	Cruising speed	Not less than 12 knots.
9.	Range	Not less than 8000 NM with 25% reserve fuel capacity.
10.	Endurance	30 days (logistic sustenance at sea).
11.	Hull Material	ABS Grade A steel or equivalent/ high thickness scantlings for prolonged hull life as per ABS/ Class rules for building and classing steel vessels through Indigenous source.
12.	Hull Design	Double bottom hull with robust construction
13.	Seaworthiness	13.1. Remain seaworthy for transit in all headings and undertake operational missions up to sea state 7 and up to a significant wave height of 8.65 m. 13.2. Survivability upto sea state 9 (with wave height above 14 m). 13.3. Capable of undertaking towing and salvage operations up to sea state 5. 13.4. Capable of undertaking Fire Fighting operations up to sea state 5. 13.5. Capable of undertaking pollution response role/ operations up to sea state 3. 13.6. Capable of undertaking Flying Operations up to sea state 5 (under favourable headings).
14.	Class Notations	14.1 Shall be built and classified under Dual Class notations with Government Service/ ABS Equivalent wherein, IRS shall be one Classification Society. 14.2 ABS class notations "+A1, (E), +AMS, TOWING VESSEL, BP(150 TON), QR, HELIDK(SRF), +DPS-1, HAB(G), FFV2, +ACCU, CRC(OC), ENVIRO-OS, NIBS, UWILD, CR, SMART(INF), SMART(SHM), SMART(MHM), SMART(CAA)", or equivalent of IRS/other IACS member
15.	Service Life	15.1. Should have a minimum service life of 30 years. Annual exploitation up to 3000 hrs. 15.2. Docking interval of Five (05) years.

Operational Criteria.		
16.	Operational Capabilities	Ship should be seaworthy for transit in all headings and capable of operational mission up to sea state 7 (Significant wave height – 8.65 m) and shall have survivability in all sea states.
17.	Wheel House Design	Wheel House/ Bridge design should cater all round visibility of wheel house/bridge covering 360 degree angle with minimum blind sector.
18.	Environmental Conditions	The vessel shall be capable of operating in tropical environment conditions of 45 degrees Celsius ambient air and 32 degrees Celsius Sea water temperature.
Role Specific Requirements.		
19.	Fire Fighting Operations	Built-in External Major Fire Fighting (EFF) System (Main engine PTO driven/ motor driven based on type of propulsion) with 04 nos. fire monitors (Location – 04 nos. monitors near midship and at extreme beam) capable of 150-180 m throw with Foam (AFFF System) ABS notation – FiFi 2.
20.	Towing and Salvage Operations.	20.1. Suitable Towing arrangements to have Aft Towing Bollard capacity of min 150 T (continuous towing) with suitable winch and quick release arrangement and associated towing gears. ABS notation – QR and TOW. 20.2. Front towing bollard meeting requirements with Front towing capacity of 25 T. 20.3. Towing operations shall be undertaken up to sea state 5 with towing speed of 4-6 Knots. 20.4. Sufficient fwd space as per design and aft deck space (Min. 400-450 sq. metre area) to be provisioned for Salvage Gear Deployments.
21.	Humanitarian Assistance and Disaster Relief (HADR) Operations.	21.1. Two (02) multipurpose halls (Air Conditioned) in combination to accommodate at least 100 persons during SAR/ Medical facility setup, hosting training, lectures, conferences/seminars with a provision of collapsible/ re-configurable bulkheads. 21.2. Adequate space/alleyways to be provisioned for movement of personnel, material and stretcher. 21.3. Cargo holds with suitable hatch to be provisioned near the crane deck for humanitarian aids.

22.	Pollution Response.	22.1. Quarter deck to have provision for fitment and deployment of boom. 22.2. Oil Spill Dispersant (OSD) Sprayer System with provision of Ready Use Tank of capacity 5 Tonnes to be provided.
23.	Diving and Underwater Support.	23.1. <u>Underwater Remotely Operated Vehicle (UWROV).</u> Two (02) Underwater Remotely Operated Vehicle (UWROV) for underwater inspection and minor salvage tasks, thickness gauging of metals with advanced ROV navigation facility to be provided. It should also be capable of underwater Search, Surveillance, casualty assessment equipped with suitable camera (HD+IR) for photo & videography. Suitable frame for lowering and hoisting of UW ROV to be provided. The envisaged specifications are as follows: - 23.1.1. <u>Movement</u> – 06 Degree of freedom, all motions remotely controllable 23.1.2. <u>Speed</u> – Not less than 03 knots in nil current. 23.1.3. <u>Payload</u> – $\geq 10\text{Kg}$ 23.1.4. <u>Endurance</u> – Capable of continuous operation for duration of atleast Twelve (12) Hrs on external power source and atleast 04 hours with power pack 23.1.5. <u>Buoyancy</u> – Positively buoyant 23.1.6 <u>Depth</u> – up to 300 m 23.2. <u>Side Scan Sonar (SSS).</u> One Side Scan Sonar (SSS) capable of conducting a search in water depths of 10 to 300 m to be provided. The envisaged specifications are as follows: - 23.2.1. To be compatible and integrated with IPMS. 23.2.2. Tow fish can be lifted up by cranes. 23.2.3. One Pinger detector capable of operating to a depth of 500 m to be provided.
24.	Medical Relief and Support	24.1. One Sick Bay fully equipped with medical facilities viz. Operation Theatre (OT), emergency section, patient examination area and patient accommodation room with eight (08) beds to be provided. Direct access hatch from weather deck to be provisioned for movement of stretchers

			to the sick bay from weather deck. 24.2. Two isolation (02 Bed each) cabin, separately for Male and Female adjacent to Sick bay. HVAC / AHU of isolation cabin should be dedicated and separate, should not be mixed with central HVAC of ship. 24.3. Multi-purpose hall to be equipped with modular design for conversion to accommodate 50 beds arrangement. 24.4. One small CSR/lab with basic lab equipment to conduct basic investigation.
25.	Hazardous Substance response	Noxious (HNS)	Dedicated Hazardous Noxious Substance (HNS) Compartment with Personal Protective Equipment (PPE) kits, sensors and decontamination materials to be provided.

Boats and Davits.

26.	Boats/ Davits	26.1. Two (02) high-speed long-range SOLAS compliant boats of following specifications to be provided with integrated davit system (for hoisting and lowering): - 26.1.1. Length - 11 to 12 m. 26.1.2. Hull Material - Aluminium. 26.1.3. Capacity - Twelve (12) men. 26.1.4. Engines - 2x High speed Marine Diesel Engines. 26.1.5. Propulsion - Twin Waterjets. 26.1.6. Maximum Speed - 40 knots. 26.1.7. Cruising Speed - 20 Knots. 26.1.8. Range - 300 NM at 20 knots. 26.1.9. Shock mitigated seats. 26.1.10. Radar and basic navigational aids. 26.1.11. Un-assisted self-righting capability. 26.1.12. Capable of shallow water operations. 26.2. Two (02) Rigid hull boats SOLAS compliant of following specifications to be provided with integrated davit system (for hoisting and lowering): - 26.2.1. Length - 6 to 8 m. 26.2.2. Hull Material - Aluminium.
-----	---------------	---

		26.2.3. Capacity - Six (06) men. 26.2.4. Engines - 2x High speed Marine Diesel Engines. 26.2.5. Propulsion - Twin Waterjets/ Propellers. 26.2.6. Maximum Speed – 35 knots. 26.2.7. Cruising Speed - 20 Knots. 26.2.8. Range - 200 NM at 20 knots. 26.2.9. Shocks mitigated seats. 26.2.10. Assisted self-righting capability. 26.3. Two (02) Inflatable boats (Gemini Crafts) to be provided along with Three 40 HP OBMs (Petrol/Diesel/Electric).
27.	Cranes	27.1. One multi-purpose stabilised ship borne Crane (Type- telescopic/ knuckle boom/equivalent) with Safe Working Load (SWL) of 40 Tonnes @ Swivel arm length catering at least 10 mtr beyond the shipside to be provided. The Crane should be capable of undertaking salvage operations in calm sea conditions without affecting the stability of the ship. Position – as per design aft of boat deck and forward of helo deck. ABS notation – CRC or equivalent. 27.2. Two (02) Cranes (deck mounted overhead articulated type) with Safe Working Load (SWL) of 4 Tonnes @ 10 m Swivel arm length to be provided on either side of quarterdeck without hindering flying operations in stowed position. The cranes to be capable of horizontal and longitudinal traversing and deploying pollution response gears, RHIBs and Gemini/ inflatable boats.
28.	Thrusters	Suitable Bow and Azimuth Thrusters to be provided. Position and numbers as per design to achieve DP-I compliance. In case of stern thruster, to be non-retractable type and tip end draught to be within the propeller draught.
Armament.		
29.	Weapon	29.1. 30 mm Naval Surface Gun (NSG) as the main armament [as BNE through vendor qualifying under ongoing Make II case under Buy (Indian-IDDm) category] for requisite deterrence and maritime support. Position- ahead of bridge at suitable location.

		29.2. Provision for fitment of two (02) 12.7 mm SRCGs (as BNE through M/s AWEIL, Kanpur) to be provided. Suitable magazine for stowage of small arms and ammunitions to be provided.
Aviation.		
30.	Helo Operational Requirements	30.1. The ship shall be provisioned with a Helo-deck to facilitate stage through operations of Helicopter up to 13 Tonnes AUW category and 26 m length. Helo deck to be provisioned in the forward of wheelhouse catering for 210 degrees of obstacle free sector for helo take off and approach. 30.2. The Helo deck should have a safety clearance as per aviation standards. Deck to be equipped with NVG compatible landing aids for night flying, AVCAT fuelling arrangements, firefighting arrangements, LSO cabin etc. to facilitate landing in higher sea states (up to sea state 5). 30.3. The main rotor diameters and aircraft total length are as follows: - 30.3.1. TEHH : Dia- 22 m and length- 26 m approx. 30.3.2. ALH : Dia- 13.2 m and length- 16 m approx. 30.4 Provisioning of HSR for starting and servicing of TEHH and ALH. 30.5 Supply of Standard list of GSE & GHE promulgated for Chetak & ALH as BNE through HAL
31.	Remote Piloted Aircraft (Drone)	Two (02) marine version Multipurpose Drones with AI capabilities to be provided. The envisaged specifications are as follows: - 31.1. Range - not less than 10 Km. 31.2. Flight duration - Minimum 90 minutes flying time. 31.3. Payload - Minimum 20 kg. 31.4. Wind Resistance - min 25 knots. 31.5. EO/IR and Thermal Imaging Camera. 31.6. Equipped with fail safe features and capable of undertaking Day and Night operations in maritime environment.

32.	Deck Arrangement	Arrangement of decks to be preferably planned in following manner: - 32.1. The forecastle area should cater for towing operations (25 ton), positioning of main armament and helo deck. 32.2. The boat deck (subsequent to bridge) to be provisioned for stowage of boats (04 nos.) with davit system. 32.3. Suitable crane deck (with free stowage space of 350-400 sq. meter area) to be planned after the boat deck to mount main crane of the vessel. 32.4. Quarter deck (approx.400-450 sq. meter area) to be provisioned for mission specific gear deployments.
33.	Comprehensive Maintenance Package (CMC)	CMC for the following may be included:- 33.1 STP & EVAC 33.2 ICCP & ICAF 33.3 FDS & Flood alarm system 33.4 CCTV system 33.5 Weapon 33.6 Cranes 33.7 Stern launch Ramp system (02 Nos) 33.8 Boats (04 Nos) 33.9 Davit system (02 Nos) 33.10 Towing System 33.11 EOSS
34.	Information Technology (IT)	LAN system with ROBO server for data transfer from ship to ashore CG network

Main Propulsion Parameters.

35.	Propulsion	35.1. Hybrid Propulsion for varying loads comprising twin marine diesel engines with CPP, shaft generators and PTO driven Fi Fi pumps. ‘or’ 35.2. Diesel Electric propulsion comprising twin shaft motors with CPP arrangement and motor driven/ PTO driven FiFi pumps as per design. 35.3. Ship should be able to undertake loitering/ pollution response operations up to 4 knots using thrusters.
-----	------------	--

		35.4 ABS class notation for propulsion system "HYBRID" or "All-Electric Vessel"
36.	Power Generation and Distribution	36.1. Configuration of DAs to be as such that role requirements to be catered with combination of DAs and cruising hotel load with single DA. The configuration to cater for 100% reserve power in all operational loads. 36.2. Provision of Emergency DA during total power failure to be catered separately. 36.3. Provision of Harbour DA of suitable capacity for meeting Ship's load requirement at harbour also to be catered. 36.4 Battery based energy system (ESS) capable of catering ships hotel load at harbor is preferred to avoid underload running of DGs at harbor. Suitable class notations be considered for ESS
37.	Integrated Management System (IPMS)	An Integrated Platform Management System (IPMS) for remote monitoring and control of Propulsion, Power Generation, Auxiliary, Firefighting and Damage Control System. ABS notations – ACCU or equivalent to be complied.
38.	Artificial Intelligence (AI) based Predictive Maintenance System	Artificial Intelligence (AI) based predictive maintenance system based on edge computing shall be provided for main machinery including Main engines/shaft motors, Gear boxes, Thrusters, Shafting, davits and cranes, DG sets, AC Compressors, Fi-Fi pumps. The system shall be based on torsional vibration sensors/latest available technology for predictive analysis and shall also be interfaced with IPMS IOs for inputs. The module shall have self-learning and machine learning algorithms for real time analysis and predictions meeting Class requirements. ABS notations – SMART (MHM) and SMART (SHM) or equivalent to be complied.
39.	Dynamic Positioning System	The vessel to be fitted with Dynamic Positioning System. ABS notation - DP I (up to sea state 5).

Auxiliary System.

40.	HVAC System	40.1. Suitable number of independent Air Conditioning System plants with environment friendly refrigerant to cater for entire vessel requirements to be provided with adequate redundancy. 40.2. The system to be efficient for extreme tropical conditions. 40.3. The capacity of AC plants be adequate to meet required heat load plus 50 % reserve capacity. 40.4 Environment and human friendly refrigerant for HVAC system
41.	Refrigeration System	41.1 The refrigeration system (02 plants of equal capacity) with full redundancy and with environment friendly refrigerant to be provided to cater for the complement and endurance requirements. 41.2 Dedicated (02 each) built-in compartment to serve as Cool and Cold room to be provided such that all the Cold & Cool rooms together shall be sufficient for meeting 100% crew strength and endurance.
42.	Reverse Osmosis Plants	Three (03) Disc and Tube/Circular/ Spiral Type Reverse Osmosis plants with capacity of 30 TPD each to be provided.
43.	Fin Stabilisers	Fin Stabilisers to be provided to reduce heavy roll of the ship. The system to be suitable of providing necessary stability and reduced roll at varying sea states thereby facilitating flying operations.

Navigation.

44.	Integrated Bridge System (IBS)	Integrated Bridge System (IBS) meeting NIBS notation of ABS or equivalent to be provided. Multi-function work stations capable of managing the ships navigational functions with Multi-Functional Displays to be provided.
45.	Navigation Equipment	Following Navigation equipment are required to be fitted: - 45.1. Solid state Radars.

		45.1.1. Two (02) X-band. 45.1.2. One (01) S-band. 45.2. Electronic Chart Display and Information System (ECDIS). 45.3. Two (02) Gyro (Conventional and FOG each), Echo Sounder and Electro Magnetic (EM) Log. 45.4. Magnetic Compass, Differential Global Positioning System (DGPS). 45.5. Universal Automatic Identification System (UAIS). 45.6. Satellite AIS, Anemometer, Handheld Navigational Aids. 45.7. Meteorological Instrument/ Arrangement Aids, Night Navigation Aids. 45.8. Search Lights. 45.8.1. Four (04) Heavy duty Xenon Remote Controlled Search Lights. The fitment and position as per design to meet all round visibility during dark hours. 45.8.2. Four (04) Heavy duty LED Remote Controlled Search Lights.
46.	Anti-Drone System	46.1 Anti Drone System (ADS) to impart anti-air threat neutralization capability. The integration of ADS with NSG and SRCGs for autonomous acquiring and tracking based on AI generated predictive analysis. 46.2 A separate mast to meet Anti-drone system requirement
47.	Electro-Optical Surveillance System (EOSS)	Gyro stabilised EOS system with 8 to 10 NM range for day and night target tracking to be provided from indigenous source. The system to be integrated with IBS.
48.	Other equipment	Electric Whistle, Air Horn, Long range Acoustic Hailing Device, Combination Ladder.

Communication.		
49.	Communication Equipment	Following Communication equipment are required to be fitted: - 49.1. Compact GMDSS console. 49.2. SDR-TAC (ICG) with DCT. 49.3. Portable HF SDR 49.4 Portable V/UHF SDR. 49.5 NAVIC, Satellite Communication Equipment consisting of MSS M-II, Ku-band Terminal and Inmarsat FBB Terminal. 49.6 Survival craft equipment and Visual signaling aids.
50.	Internal Communications	Ship to be provided with suitable internal communications viz. Main Broadcast, RF, Intercom and Sound Power Telephones (SPT) etc.
Miscellaneous.		
51.	AI Powered Navigation and Decision Support	The vessel shall be equipped with AI Operations module, a multi-role, edge-enabled system designed to augment maritime mission capabilities across Search and Rescue (SAR), salvage recovery, firefighting and patrol operations. AI module shall integrate real-time sensor fusion, autonomous decision making and predictive analytics into the vessel bridge, deck and mission control zones. The system shall be integrated with EO/IR sensors, inputs from IBS equipment, drone feed, ROV feed and if any additional sensors required shall be installed and integrated for satisfactory performance. ABS notations – SMART (CAA) or equivalent to be complied.
52.	CCTV System	Marine version CCTV system with Standardisation Testing and Quality Certification (STQC) and in-built AI features to identify threats, presence of arms and ammunition. Day/Night cameras of adequate numbers capable of recording for 30 days to be provided for unmanned compartments, alleyways, shadow zones and all decks
53.	Hull Protection	To be fitted with ICCP and ICAF system.
54.	RAS/ FAS	54.1. Capability to transfer and embark fuel in harbour and at sea by way of abeam fuelling and astern fuelling/de-fuelling.

		54.2. Arrangements for Jackstays for transfer of Stores up to 350 kg to be provided.
55.	Lifesaving Equipment/ Appliances	All life-saving equipment viz. General Service Life Jacket (GSLJ) - 120% of the complement and Hazardous Duty Life Jacket-50%, Life rafts, Life buoys (including remote operated), Body recovery stretchers, Rescue slings, Scramble net, Parachute signal, Smoke signal and Self-igniting lights to be provided to cater entire vessel complement as per SOLAS requirements.
56.	Environmental/ Ecological requirements	56.1 Two (02) Oily Bilge Water Separators of adequate capacity at 15 PPM to be provided as per MEPC regulations. 56.2 Adequate Sewage Treatment Plants with vacuum toilet system to cater for full complement (100% redundancy) and as per MARPOL regulations to be provided. One gravity toilet system on each type of wash place to be catered for emergency/failure. 56.3 One Garbage Disposal Unit to be provided. 56.4 Two Incinerators with IMO, MARPOL compliance and adequate capacity of handling collected sludge as per role specific requirements of the vessel to be provided.
57.	Tanks	Following tanks to be provided in the vessel: - 57.1. Fuel Oil tanks- to meet the Range and Endurance requirements including 25% reserve of fuel. 57.2. Lube Oil tanks. 57.3. Fresh Water tanks - Minimum 180 tonnes. 57.4. Ballast/ De-ballast tanks. 57.5. AVCAT tank - 30 KL. 57.6. Foam tanks – 50 ton 57.7. Grey Water tanks. 57.8. Sludge tanks. Capacity- as per design to meet role requirements. For all major and auxiliary machineries, Lube Oil/ Hydraulic oil tanks to be provisioned.
58.	Model Testing and Intellectual Property Rights (IPR)	58.1. Model test to be conducted to generate a tested, validated and proven hull form.

		58.2. The IPR (Joint IPR) of proven hull form through model testing to be provided to ICG.																								
59.	Design validation	The ship's design is to be validated for intended purpose and following reports to be submitted with technical bid: - 59.1. CFD of hull resistance and powering. 59.2. Towing bollard calculations and details. 59.3. Seakeeping analysis in suitable software/CFD to predict ship motion responses using 3D-diffraction / equivalent method for mean values of sea state 5 and sea state 6. 59.4. Preliminary DP capability plot for mean values of sea state 5. 59.5 Intact and damage stability calculations as per DEFSTAN 02/19.																								
60.	Compliance check of Build Specification	Compliance check of Build Specification by a third party, Class society other than the chosen Dual Class																								
61.	Nuclear Radiation Detection	Provisioning of equipment for Nuclear Radiation Detection																								
62.	Electric Skid System	Electric Skid system with electric crane (underslung on deck) capable of traversing to be considered for ease of material movement from all cargo holds																								
63.	Portable Edge Computing Device	Portable edge computing device (02 nos) for smart functions to be provided																								
64.	Automated Storage and Retrieval System (ASRS)	Automated Storage and Retrieval System (ASRS) for Engineering/ Electrical/ Shipwright/ Pollution Control Stores/Cargo hold to be provisioned onboard ship.																								
65.	Onboard Spares (OBS)	OBS for 05 years (beyond guarantee period of one year) to be catered																								
Complement.																										
66.	Complement	66.1. Ship's Crew. <table><tr><td>66.1.1</td><td>Officers</td><td>-</td><td>16</td></tr><tr><td>66.1.2.</td><td>Subordinate Officers</td><td>-</td><td>40</td></tr><tr><td>66.1.3.</td><td>Enrolled Personnel</td><td>-</td><td>80</td></tr><tr><td colspan="3"></td><td>-----</td></tr><tr><td colspan="3"></td><td>Total - 136</td></tr><tr><td colspan="3"></td><td>-----</td></tr></table>	66.1.1	Officers	-	16	66.1.2.	Subordinate Officers	-	40	66.1.3.	Enrolled Personnel	-	80				-----				Total - 136				-----
66.1.1	Officers	-	16																							
66.1.2.	Subordinate Officers	-	40																							
66.1.3.	Enrolled Personnel	-	80																							

			Total - 136																							

		66.2. Specialist Crew. <table><tr><td>66.2.1</td><td>Officers</td><td>-</td><td>06</td></tr><tr><td>66.2.2.</td><td>Subordinate Officers</td><td>-</td><td>10</td></tr><tr><td>66.2.3</td><td>Enrolled Personnel</td><td>-</td><td>24</td></tr><tr><td colspan="4"> </td></tr><tr><td colspan="4">Total - 40</td></tr><tr><td colspan="4"> </td></tr></table> 66.3. Ashore Support Staff. <table><tr><td>66.3.1</td><td>Officers</td><td>-</td><td>04</td></tr><tr><td>66.3.2.</td><td>Subordinate Officers</td><td>-</td><td>05</td></tr><tr><td>66.3.3.</td><td>Enrolled Personnel</td><td>-</td><td>15</td></tr><tr><td colspan="4"> </td></tr><tr><td colspan="4">Total - 24</td></tr><tr><td colspan="4"> </td></tr></table> 66.4 A total complement strength of 200 personnel is catered for each vessel.	66.2.1	Officers	-	06	66.2.2.	Subordinate Officers	-	10	66.2.3	Enrolled Personnel	-	24					Total - 40								66.3.1	Officers	-	04	66.3.2.	Subordinate Officers	-	05	66.3.3.	Enrolled Personnel	-	15					Total - 24							
66.2.1	Officers	-	06																																															
66.2.2.	Subordinate Officers	-	10																																															
66.2.3	Enrolled Personnel	-	24																																															
Total - 40																																																		
66.3.1	Officers	-	04																																															
66.3.2.	Subordinate Officers	-	05																																															
66.3.3.	Enrolled Personnel	-	15																																															
Total - 24																																																		
Accommodation.																																																		
67.	Accommodation	67.1. Latest design concepts/ modern modular accommodation concepts (including furniture and cabin fittings) with due care for ergonomics to be adopted related to role requirements and crew comfort. 67.2 Adequate space for movement of stretchers in alleyways and stairways to be provided. 67.3. Minimum 30% rank wise accommodation and allied facilities for women Officers and EPs to be catered.																																																

Appendix B
(Refer to Para 6 of RFI)

REQUEST FOR INFORMATION: PROCEDURE FOR RESPONSE

Request for Information for Acquisition of 05 Multi-Purpose Emergency Response Vessels (05 MERVs) for Indian Coast Guard

1. The Indian Coast Guard is planning to procure 05 Multi-Purpose Emergency Response Vessels (05 MERVs) with the view to identify Capacity Cleared Shipyards who can undertake the said project. Capacity Cleared Shipyards are requested to forward information on the 05 MERVs which they can offer. The vendors are required to confirm parawise acceptance/ comments on the parameters/ broad specifications of the MERVs as mentioned at **Appendix A** of this RFI. In addition, the vendors are required to furnish details as per Proforma at **Appendix C** and the questionnaire attached at **Appendix D** of this RFI.
2. Apart from the information as per the **Appendix A**, the vendors may also forward technical details/product brochures/literature etc pertaining to the proposed MERVs.
3. The required information/ details may please be forwarded at the following address by **05 Oct 2026:-**

The Principal Director (Ship Acquisition),
Coast Guard Headquarters,
National Stadium Complex, New Delhi- 110001,
E-mail- dte-sa@indiancoastguard.nic.in
Tel: 011-23115312, 011-23115313. Fax: 011- 23073529

Appendix C
(Refer to Para 6 of RFI)

VENDOR INFORMATION PROFORMA

1. **Name of the Vendor/Company/Firm.**

(Company profile including Share Holding pattern, in very short brief, to be attached)

2. **Type (Tick the relevant category):**

Original Equipment Manufacturer (OEM) Yes/No

Authorised Vendor of foreign Firm Yes/No (attach details, if
yes) Others (give specific details)

3. **Contact Details.**

Postal Address:

City: _____ State: _____

Pin Code: _____ Tele: _____

Fax: _____ URL/Web Site: _____

Email: _____

4. **Local Branch/Liaison Office/Agent (if any).**

Name & Address: _____

Pin code: _____ Tel: _____ Fax: _____

Email: _____

5. **Financial Details.** Category of Industry (Large / Medium / Small Scale): _____

6. **Certification by Quality Assurance Organisation.**

Name of Agency	Certification	Applicable from (Date & Year)	Valid till (Date & Year)

7. **Details of Registration.**

Agency	Registration No.	Validity (Date)	Equipment
GeM			
DGQA/DGAQA/DGNAI			
OFB			
DRDO			
Any other Government Agency			

8. **Membership of FICCI/ASSOCHAM/CII or other Industrial Associations.**

Name of Organisation

Membership Number

9. **Equipment/Product Profile**

- (a) Name of Product: _____
 (IDDM Capability be indicated against the product)
 (Should be given category wise for e.g. all products under night vision devices to be mentioned together)
- (b) Description (attach technical literature): _____
- (c) Whether OEM or Integrator: _____
- (d) Name and address of Foreign collaborator (if any): _____
- (e) Industrial Licence Number: _____
- (f) Indigenous component of the MERVs (in percentage)
- (i) Overall IC (in percentage) : _____
- (ii) IC for Material/ Components/ Software manufactured in India (In percentage)

- (g) Status (in service/design & development stage): _____
- (h) Production capacity per annum: _____
- (j) Countries/agencies where equipment supplied earlier (give details of quantity supplied): _____
- (k) Estimated price of the equipment _____

10. Alternatives for meeting the objectives of the equipment set forth in the RFI _____

11. Any other relevant information: _____

12. **Declaration**. It is certified that the above information is true and any changes will be intimated at the earliest.

(Authorised Signatory)

Appendix D
(Refer to Para 6 of RFI)

REQUEST FOR INFORMATION: QUESTIONNAIRE

1. Infrastructure Profile

- (a) Year established _____
- (b) Annual build capacity (in tonnage) _____
- (c) Details of future expansion and business development planned:
- (d) Name and address of foreign collaborator, if any
- (i) Date of Agreement: _____
- (ii) Validity of Agreement: _____
- (iii) Scope of Agreement: _____
- (e) Capacity of Shipyard :
- (f) Capacity utilization chart:

2. Shipbuilding Profile

SI	YARD NO	CUSTOMER	TYPE OF VESSEL	DWT, GRT	ORDER DATE	START PRODUCTION	CONTRACTUAL DELIVERY	ACTUAL DELIVERY

3. Orders in Hand (Attach Order Copies for Similar Vessels only)

SI	YARD NO	CUSTOMER	TYPE OF Vessel	DWT, GRT	ORDER DATE	START PRODUCTION	% COMPLETED	EXPECTED DELIVERY

4. Details of any Multi-Purpose Emergency Response Vessels (MERVs) in service / design or development stage _____
5. Countries/Agencies where Multi-Purpose Emergency Response Vessels (MERVs) supplied earlier, provide details _____
6. Estimated price of the MERVs _____

7. Indigenous component of the MERVs (in percentage)
 - (i) Overall IC (in percentage) :
 - (ii) IC for Material/ Components/ Software manufactured in India (In percentage)
8. Capability of Indian vendors to indigenously design and develop the MERVs under Buy (Indian-IDDM) category _____. In the event that procurement under the Indian IDDM category is not feasible for a shipyard, under which category may it indigenously design and develop the item?
9. Applicable key technologies and materials required for manufacturing of the equipment/system/platform and the extent of their availability or accessibility in case they are not available in India _____.
10. Availability of the equipment/system/platform in the Indian market, level of indigenisation, delivery capability, maintenance support, life time support etc _____.
11. Approximate cost estimation and suggestions for alternatives to meet the same objective as mentioned in RFI _____.
12. Any alternatives for meeting the objectives set forth in the RFI
13. Confirmation from OEMs of major & auxiliary machinery to provide spares requirement for maintenance and overhaul through indigenous sources include in RFI.
14. List of probable indigenous equipment be appended
15. Proposed Delivery Schedule for 05 MERVs
16. Comments of Shipyards on following points is solicited:-
 - (a) Yard to indicate tonnage of towed vessels for different sea states. SI 20 of Appendix A refers.
 - (b) Yard to indicate major design aspects/ limitations w.r.t. crane capacity at pre-bid stage. SI 27 of Appendix A refers.
 - (c) Yard to indicate major design aspects/ limitations w.r.t. any of the requirements.
 - (d) Yards to indicate suitable cargo hold as per design.
 - (e) Yard to bring out implementation of launching and recovery of RPA and drones.
 - (f) Yard to bring out implementation of higher sprint mode as per para 7 of Appendix-'A' to reach datum taking due consideration of other associated aspects.
17. Any other relevant information _____.
18. **Financial Information (in INR for Indian Shipyards)**
 - (a) Balance sheet last three financial years (year wise) _____
 - (b) Profits made _____

- (c) Net worth _____
- (d) Debt/Equity ratio _____
- (e) Quick ratio _____
- (f) Attach copies of certified published annual report showing turnover and financial status in support of above information _____

19. **Declaration**. It is certified that the above information is true and any changes will be intimated at the earliest.

(Authorised Signatory)

Date: _____

Place: _____