

REQUEST FOR INFORMATION (RFI) FOR ACQUISITION OF
06 MULTI-ROLE SUPPORT VESSELS
(06 MRSVs)

1. The Indian Coast Guard, Ministry of Defence, Government of India, intends to procure 06 Multi-Role Support Vessels (06 MRSVs) 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 06 MRSVs will be a Multi role surface platform capable of providing extended assistance as a backup support to the primary assets.

Primary Roles

- (a) Pollution Response with ability to handle/ sustaining HNS environment/ contingencies
- (b) Fire Fighting equipped for continuous fighting of large fires and for cooling of structures on fire, including means for self-protection of the vessel
- (c) Salvage Operations with Diving Support
- (d) Towing assistance to distress ship (Displacement up to 4000 tonnes)
- (e) Mass Evacuation
- (f) Superior HADR Capabilities (Bricks load carrying capacities)

Secondary Roles

- (g) Maintenance support at Sea
- (h) Logistics Support
- (j) Medical Relief/ Wartime Support

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 MRSVs/ 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).
- (j) **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 MRSVs 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: 011-23074235, 011-23074125. Fax: 011- 23072201

(c) An interaction meeting / VC will be held on **19 Jun 2024** to address the queries of vendors. Last date to receive queries is **12 Jun 2024**.

(d) Last date of acceptance of filled form is **14 Aug 2024**.

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 06 MRSVs 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**).

TECHNICAL PARAMETERS : 06 MULTI-ROLE SUPPORT VESSELS (06 MRSVs)

<u>Sl.</u>	<u>Parameters/ Features</u>	<u>Details</u>
<u>Operational Capabilities</u>		
1.	Operational Capabilities	<p>The Ship is envisaged to perform following primary and secondary roles:-</p> <p><u>Primary Roles</u></p> <p>(a) Pollution Response with ability to handle/ sustaining HNS environment/ contingencies</p> <p>(b) Fire Fighting equipped for continuous fighting of large fires and for cooling of structures on fire, including means for self-protection of the vessel</p> <p>(c) Salvage Operations with Diving Support</p> <p>(d) Towing assistance to distress ship (Displacement up to 12000 tonnes)</p> <p>(e) Mass Evacuation</p> <p>(f) Superior HADR Capabilities (Bricks load carrying capacities)</p> <p><u>Secondary Roles</u></p> <p>(g) Maintenance support at Sea</p> <p>(h) Logistics Support</p> <p>(j) Medical Relief/ Wartime Support</p>
<u>Principal Dimensions</u>		
2.	Length (Overall)	75 m \pm 05 %
3.	Breadth	Not less than 16 m
4.	Displacement	As per design
5.	Max Hull Draught (full load)	Not exceeding 4 m
6.	Max sustained speed	<p>(a) Not less than 16 Knots at 92% MCR at full load displacement.</p> <p>(b) Not less than 20 Knots in sprint mode at full load displacement.</p>
7.	Cruising speed	Not less than 10 knots
8.	Endurance	10 - 12 days
9.	Range	Not less than 3000 Nm

10.	Seaworthiness	<p>(a) Survivability in all sea states.</p> <p>(b) Remain seaworthy for transit in all headings with full load displacement upto sea state 7.</p> <p>(c) Capable of operating and undertaking firefighting operations up to sea state 5.</p> <p>(d) Capable of carrying Pollution Response operations up to sea state 2.</p>
11.	Fresh Water capacity	70 tons
12.	Hull	ABS Grade A steel or Equivalent/ High thickness scantlings for prolonged hull life as per ABS/ Class rules for building and classing steel vessels.
13.	Fuel Capacity	To meet the range and endurance requirement (with 25% reserve of fuel)
14.	Cargo Deck Area	<p>Flat open deck area (450-500 m²) with adequate securing and skidding arrangements to accommodate containerized modules {06 nos., in 02 rows without stacking, 1 TEU (Twenty Equivalents Unit) per container, Size: 20 ft x 8 ft x 8.6 ft, Max payload: 16 tonnes each}.</p> <p>Deck to be provided with suitable shoes welded to deck for mounting PC equipment. In order to reassigned role, wooden gratings of suitable strength also to be provide across cargo deck for covering deck fittings</p> <p>Suitable portable roller or deck slope may be moulded for smooth paying out of pollution control booms.</p>
15.	Monitoring deck	A suitable sized deck abaft the bridge for monitoring of operations and to act as open space for launching / recovery of RPA/ Drones. Suitable skidding mechanism also to be provisioned for stowage of container underneath the deck.
16.	Tanks	<p>Following tanks to be provided:-</p> <p>(a) Ballast tanks (Nos. and Capacity as per design) to cater for stability & draft requirements during shifting of containers.</p> <p>(b) Oil Recovery Tank (01 no., Capacity - 50 KL)</p> <p>(c) OSD tank (01 no., Capacity: 10 KL)</p> <p>(d) AFFF tank (01 no., Capacity: 10 KL)</p>
17.	Towing Arrangement	Suitable towing arrangements to have Bollard Pull capacity of 50-55 tons alongwith suitable towing gears which is sufficient for towing a vessel of approximately 12000 tonnes

		<p>displacement to be provided.</p> <p>Additionally, hawsers, bridle, wire ropes and all associated towing gears to be provided.</p>
18.	Class Notations	<p>Government Service/ ABS Equivalent/ Dual class as per existing CG policy</p> <p>Class Notation: SUL Swastika IY Offshore Support/Supply Vessel, DP-II, Agni-III</p>
<u>Other Important Features</u>		
19.	Propulsion	<p>Conventional Diesel Propulsion with CPP propellers / Azimuth thrusters / Electric Propulsion in CODAE configuration to have DP-II compliance.</p>
20.	Power Generation	<p>Suitable Diesel Generators with complete redundancy and capable of meeting Ship's full load requirements including the containerized support modules through Automatic Power Management System. The power supply to the modules will be in plug and play configuration.</p> <p>The Ship shall have the provision of supplying power to alongside ship of FPVs/ IBs class.</p> <p>Provision of Emergency DA during total power failure to be catered separately.</p> <p>Provision of Harbour DA of suitable capacity for meeting Ship's load requirement at harbour to be catered.</p>
21.	Machinery Control System (MCS)	<p>Integrated Machinery Control System (IMCS) with necessary damage control system.</p>
22.	Dynamic Positioning System	<p>Ship to be fitted with Dynamic positioning system with DP-II notation.</p>
23.	Navigation Equipment	<p>Navigation Radars, Electronic Chart Display and Information System (ECDIS), Gyro, Electro Magnetic (EM) Log, Echo Sounder, Magnetic Compass, Differential Global Positioning System (DGPS), Universal Automatic Identification System (UAIS), Satellite AIS, Anemometer, Electric Whistle, Air Horn, Long range Acoustic Hailing Device, Handheld Navigational Aids, Meteorological Instrument/ Arrangement Aids, Night Navigation Aids, Heavy duty Search Lights etc.</p>

24.	Communication Equipment	Compact GMDSS console; SDR-TAC (ICG), Portable HF & V/UHF SDR, and Data Communication Terminal (BNE); NAVIC, Satellite Communication Equipment consisting of MSS M-II, Ku-band Terminal and Inmarsat FBB Terminal; Survival craft equipment; and Visual signalling aids, SVIP and secure LTE Network.
25.	Internal Communications	Ship to be provided with suitable internal communication viz. Main Broadcast, wireless based, Intercom and Sound Power Telephones etc.
26.	Weapon	Provision for fitment of SRCG 12.7 mm
27.	Boats/ Davits	(a) 02 nos. RHIBs (Rigid Hulled Inflatable Boat, Length: 4.7 m) having 06 men capacity with self-righting capability and integrated with davit system (b) Two Inflatable Boats of eight men capacity with 25 HP, 4 stroke OBMs (Petrol engine), all standard accessories. One additional OBM of the same capacity is to be provided for redundancy.
28.	Crane	Cranes of 20 tonnes capacity (SWL: 20 tonnes @ 11 m) capable of embarking/ disembarking containerized modules (max payload restricted to 16 tonnes each) and should be able to facilitate onboard movement of containers as required. Crane should also be capable of deploying PR equipment at sea as per feasibility and requirement.
29.	Thrusters	Suitable Thrusters (position and nos. as per design) to achieve DP-II compliance.
30.	External Fire Fighting System	Built-in External Fire Fighting (EFF) system (Main engine PTO driven) with 04 nos. fire monitors (Location: 02 no monitor at midship and 02 nos. at forecastle) capable of 150-180 m throw. FF classification: Fi-Fi III/ Agni III.
31.	Fin Stabiliser	Retractable Fin Stabiliser to minimise roll at higher sea states. Inputs on Active Fins and canards may also be provided by Shipyards in RFI.
32.	Modular Capability	(a) Provision of stowing following containerized modules based on mission requirements as per role defined at serial 1 on BFE basis (06 modules at a time in 02 rows, 1 TEU per container, Size: 20 ft x 8 ft x 8.6 ft, Max payload: 16 tons

		<p>each):-</p> <ul style="list-style-type: none"> (i) PR Module (ii) External Fire Fighting Module (Shipyards scope) (iii) Recovery Module for Salvage Operation (iv) Relief Care Module for Mass Evacuation (v) Disaster Relief Module for superior HADR operations (vi) Containerised Workshop Module for Maintenance Support at sea (Shipyards scope) (vii) Supplies Module for Logistic support (viii) Critical Care Module for medical relief / wartime support (ix) Module for any other role to be incorporated in future. <p>(b) Skidding system for movement of containers on deck with/without crane.</p> <p>Note: Provision for loading/ unloading and securing of modules to deck to be catered.</p>
33.	Remotely Piloted Aircraft	Shall be provided with marine version Multipurpose Drones or RPA capable of launch and recovery and also to be installed with Anti Drone system
<u>Miscellaneous</u>		
34.	CCTV System	Marine version CCTV system to be provided at all important locations.
35.	ICCP and ICAF System	To be fitted with ICCP and ICAF system.
36.	Ventilation and Air-conditioning	To be fully air conditioned for tropical conditions as per latest ISO Standards.
37.	Auxiliaries & Miscellaneous	<p>Following to be provided:-</p> <ul style="list-style-type: none"> (a) RO plant of suitable capacity (b) Portable cold storage and customised marine standard cool/cold room be also considered for enhanced logistics (c) Domestic equipment (Heavy Duty Industrial Washing Machine: 01 no.) (d) Furniture for Accommodation and Office spaces etc. (e) Searchlight with Capacity not less than 350 Watt, Xenon short arc. Qty: 02 Nos, 01 at mid ship and 01 in forecastle.

		(f) Latest version of hydrostatics and stability software to perform trim and stability calculations for all possible load cases.
38.	Lifesaving Equipment/ Appliances	All life-saving equipment viz. General Service Life Jacket (GSLJ), Life raft, Life buoys, Body recovery stretcher, Rescue sling, Scramble net, Parachute signal, Smoke signal and Self-igniting lights to be provided as per SOLAS requirement. Lifesaving equipment should cater for total crew (Ship's crew+ Specialist crew)
39.	Environmental/ Ecological requirements	Sewage Treatment Plants (as required), Garbage Disposal Unit and Mid-capacity Incinerator capable of handling collected sludge as per MARPOL requirements. Waste oil storage and discharging provisions as per current international regulations. Oily water Separator as per MEPC requirements.
<u>Service Life</u>		
40.	Service Life	Should have a service life of 30 years with annual exploitation of 1500 hrs.
<u>Complement</u>		
41.	Complement	<p><u>Ship's Crew</u></p> <p>(a) Officers - 07</p> <p>(b) Subordinate Officers/ Enrolled Persons - 35</p> <p style="text-align: right;">Total - 42</p> <p><u>Specialist Crew</u></p> <p>(c) Officers - 04</p> <p>(d) Subordinate Officers/ Enrolled Persons - 46</p> <p style="text-align: right;">Total - 50</p>
42.	Accommodation	<p><u>Ship's Crew</u></p> <p><u>For Officers</u></p> <p>CO Cabin and Lady Officer's cabin with attached washroom, Rest of the Officers are to be accommodated on twin sharing basis with common washroom facility, Dining space etc.</p>

		<p><u>For Subordinate Officers/ Enrolled Persons</u> Mess decks, WCs, Bunk Rooms for 42 personnel including Women EPs. Galley, Provision Stores and catering for 80 personnel. No cold /cool room to be provided</p> <p><u>Specialist Crew</u></p> <p>02 Officers cabin on twin sharing basis. Bunking for 20 personnel. Additional WCs/ Bathroom, Air conditioned functional Working Space/ Office Spaces to be provided.</p> <p><u>Note:-</u> Female crew upto 30% for each level i.e Officers, SOs and EPs to be considered with separate accommodation and attached washroom.</p>
<u>Special features</u>		
43.	Scope of supply	<p>(a) Following containerised module (refer sl 32) to be provided for each ship:-</p> <p>(i) External Fire Fighting Module (Annexure I) incorporating fire pump capacity of 1400 TPH and throw length of 120 m.</p> <p>(ii) Containerised Workshop Module for Maintenance Support at sea (Annexure II).</p> <p>(b) All other modules will be BFE</p>

OSR FOR CONTAINERISED EXTERNAL FIGHTING MODULE

<u>Ser</u>	<u>Description</u>	<u>Remarks</u>
1.	Purpose of the System	The container should have built in fire fighting pumps and accessories including prime mover required to undertake external firefighting continuously through fire monitors (without using ship fitted fire monitors).
2.	Number of Containers	One
3.	Size of containers	One TEU (Twenty Foot Equivalent Unit)
4.	Contents of one Container	Diesel engine close coupled to a fire water pump with fuel tank for initial startup and approx. 3hrs running. Thermally insulated, silent compartment with exhaust silencers. Air supply and container ventilation through electric driven fan. Air intake to be protected against rainfall and water ingress. Set of starting batteries to start diesel engine, which will be charged by the diesel engines when running or by an external power supply. Safety and control system for pumps and diesel engine. Remote and manually operated roof mounted fire water monitors.
5.	Capacity of External Fire Fighting System	Minimum 1400TPH
6.	No. of Monitors	01 on each container (Remotely controlled)
7.	Throw Length	Minimum 120 mtrs
8.	Throw Height	Minimum 40 mtrs
9.	Source of Power Supply for fire pump	Inbuilt diesel engine (battery start), Battery charging by diesel engine (while running) or through battery charger.
10.	Automation	(a) Remote starting/stopping of diesel engine (b) Remote operation of system valves (c) Remote movement (horizontal and vertical) of fire monitor
11.	Foam System	Yes
12.	Interconnection	Provision of interconnecting one module with another through flanges and connectable pipe.
13.	Applicability	For marine application
14.	Material Configuration	Material for Centrifugal pump, piping system, valves, flanges, hoses, monitors, couplings etc to be suitable for marine purpose/sea water.
15.	Tools or specialized manpower	Self-equipped containers required. Containers should be easy to install/ detach on/from ship's deck without the

		requirement of specialized tools and manpower.
16.	Hose and Piping	(a) Built-in piping upto fire monitor. (b) Suction hoses of adequate length with quick connecting couplings.
17.	Estimated Weight	Gross weight 10 Tonnes approx
18.	Pump capacity	Minimum 1400 TPH
19.	Total Head	140 MWC
20.	Approx capacity of diesel engine	650 kW
21.	Reference Photos	Attached

REFERENCE IMAGES FOR CONTENERISED EXTERNAL FIRE FIGHTING



**CONTAINERISED WORKSHOP MODULE
FOR MAINTENANCE AT SEA**

<u>Ser</u>	<u>Description</u>	<u>Remarks</u>
1.	Purpose of the System	The container should be equipped with adequate equipment, machineries and workshop facility to undertake necessary repairs/ maintenance on machinery/ systems of Distress Ship at sea without requirement for entering harbor.
2.	Class Notation applicable	NA
3.	Number of Containers	One
4.	Size of containers	One TEU (Tonnes Equivalent Unit)
5.	Contents of one Container	<p>The workshop module should be equipped with following machineries/equipment :-</p> <p>(a) Welding machine with accessories: Multi process welding machine capable of MIG/ TIG/ Aluminium welding with sufficient amperage for various welding tasks. Accessories should include welding cables, electrode holders, grounding clamps and welding safety gears.</p> <p>(b) Cutting and Grinding tools: Angle grinders, circular saws and plasma cutters for cutting. Accessories should have cutting and grinding discs, safety glasses and face shields.</p> <p>(c) Hydraulic Press: Hydraulic press with adequate tonnage capacity for pressing and forming tasks.</p> <p>(d) Lathe Machine: 01 no. medium duty marine grade automatic horizontal lathe machine for mechanical repairs to be provided.</p> <p>(e) Pipe Threading and Cutting tools: Pipe threading machine and pipe cutting tools suitable for various pipe sizes.</p> <p>(f) Special Tools: Torque wrenches, pneumatic tools, electric hand tool, calibration tools, measuring instruments, Electric testing tool etc.</p> <p>(g) Equipment/ Facilities: Personal Protective Equipment (PPE), Portable Lighting Equipment, Lube Oil Sample Testing Facility, Rigging equipment etc.</p> <p>(h) Workbenches: One electric test bench for PCB testing and one workbench with provision for various</p>

		range of power supplies for electrical repairs. (j) Battery Chargers: Fixed and portable battery chargers capable of charging various range of batteries.
6.	Source of Power Supply for workshop module	Provision for external power input (in plug and play configuration) to facilitate electrical power supply to the module. Adequate rating shore supply cable of 100 meters to be supplied alongwith module.
7.	Applicability	For maintenance and repairs of ships at sea.
8.	Estimated Weight	Gross weight 15 Tons.

REQUEST FOR INFORMATION: PROCEDURE FOR RESPONSE

Request for Information for Acquisition of 06 Multi-Role Support Vessels (06 MRSVs) for Indian Coast Guard

1. The Indian Coast Guard is planning to procure 06 Multi-Role Support Vessels (06 MRSVs) with the view to identify Capacity Cleared Shipyards who can undertake the said project. Capacity Cleared Shipyards are requested to forward information on the 06 MRSVs which they can offer. The vendors are required to confirm parawise acceptance/ comments on the parameters/ broad specifications of the MRSVs 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 MRSVs .
3. The required information/ details may please be forwarded at the following address by **14 Aug 2024:-**

The Principal Director (Ship Acquisition),
Coast Guard Headquarters,
National Stadium Complex, New Delhi- 110001,
E-mail- dte-sa@indiancoastguard.nic.in
Tel: 011-23074235, 011-23074125. Fax: 011- 23072201

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 License Number: _____
- (f) Indigenous component of the product
 - (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 : _____

(l) Indigenously produced sub-systems, line repair units, software and critical spares of the product:

(m) Devices/ Line Repair Units for which Input/ Output Protocols are Indigenously available for enabling replacements by Indigenous equivalents or interfacing with equipment of own choice:

(n) Capability for carrying out comprehensive Maintenance, Repair and Overhaul, Calibration and Obsolescence management of the equipment/ platform/ system alongwith associated jigs, fixtures and test setups during the designed service life of the equipment within India.

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)

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-Role support Vessels (MRSVs) in service/design or development stage
- 5. Countries/Agencies where Multi-Role support Vessels (MRSVs) supplied earlier,

provide details _____

6. Estimated price of the MRSVs _____ .
7. Indigenous component of the MRSVs (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 MRSVs under Buy(Indian-IDDM) category _____ .
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. List of critical equipment/systems for import.
16. Proposed Delivery Schedule for 06 MRSVs
17. Comments of Shipyards on following points is solicited:-
 - (a) Yard to indicate tonnage of towed vessels for different sea states. Sl 17 of Appendix A refers.
 - (b) Yard to indicate major design aspects/ limitations w.r.t. crane capacity at pre-bid stage. Sl 28 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 6(b) of Appendix-'A' to reach datum taking due consideration of other associated aspects.
 - (g) Specific suggestions on propulsion options and PGD requirements w.r.t. DP-II in the proposal. (Inputs/ Recommendations w.r.t. sl 19, 20 & 22)
18. Any other relevant information _____ .

19. **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 _____

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

(Authorised Signatory)

Date: _____

Place: _____