

**REQUEST FOR INFORMATION (RFI) FOR ACQUISITION OF
12 HEAVY DUTY AIR CUSHION VEHICLES (HDACVs)**

1. The Indian Coast Guard, Ministry of Defence, Government of India, intends to procure 12 Heavy Duty Air Cushion Vehicles (HDACVs) 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 HDACVs. Few important technical parameters of the proposed HDACVs 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 12 Heavy Duty Air Cushion Vehicles will be used for multipurpose maritime operation as follows:-
 - (a) High & Low speed amphibious coastal patrol in shallow waters, marshy areas and deep sea with higher operational envelope.
 - (b) Interception and interdiction of offending vessels by both day and night.
 - (c) Search and Rescue operations.
 - (d) Rendering assistance to ships and ACV in distress.
 - (e) To meet logistics requirements w.r.t. cargo carrying and troops carrier.
 - (f) Relief operations, carrying troops, cargo and pollution control equipment are also the roles envisaged for HDACVs.
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 HDACVs 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.

(k) **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).

(l) **Performance-cum-Warranty Bond.** Performance-cum-Warranty Bond equal to 3% 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 HDACVs 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: 011-23115313, 011-23115316. Fax: 011- 23072201

(c) An interaction meeting / VC will be held on **31 May 2024** to address the queries of vendors. Last date to receive queries is **24 May 2024**.

(d) Last date of acceptance of filled form is **26 Jul 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 12 HDACVs 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 DAP 2020 is relevant**).

TECHNICAL PARAMETERS : 12 HEAVY DUTY AIR CUSHION VEHICLES (HDACVs)

<u>SL</u>	<u>Parameters/features</u>	<u>Details</u>
<u>Principal Dimensions</u>		
1.	Length (Overall)	Not less than 28 mtrs
2.	Beam	Not less than 13 mtrs
3.	Displacement	As per design to match range, endurance, loading and speed requirements
4.	Buoyancy tanks	As per design to allow HDACV with full payload to float in boat mode
5.	Max sustained speed	Not less than 45 knots with maximum AUW
6.	Cruising speed	Not less than 35 knots
7.	Minimum Speed	HDACV shall be capable to hover and manoeuvre at low speed (approx. 2 knots). This shall enable craft to operate in close quarters and poor visibility.
8.	Endurance	Not less than 12 hrs with expendable fuel at cruising speed
9.	Range	Not less than 420 Nm at cruising speed. Fuel consumption rate in boat mode shall also be specified by shipyard.
10.	Fuel Capacity	To meet Range/Endurance requirements
11.	Fresh Water capacity	Arrangement to store and distribute 1000 litres fresh water to be provided
12.	Hull	The primary hull structure for construction of HDACV including buoyancy tanks, fore and aft shear walls, engine and fan mounting structures shall be manufactured in any of the following marine grade material composition: - (a) All Aluminium (b) All GRP/Composite (c) Aluminium hull with GRP structure
13.	Payload	Minimum payload of 20 tonnes which includes cargo and passenger weight as follows:- (a) Minimum 15 tonnes Cargo which may include vehicle like Troops carrier, Gemini Boats, ATV or Container or Pollution Response equipment etc (b) 40 Personnel including personal kit and essential items (@ 80 Kgs per person)

		(c) Other Disposable loads not part of HDACV (d) Shall have provision to convert the cargo deck into passenger sitting space.
14.	Class notations	HDACVs are to be built to LRS class notation "+100 A1 SSC Patrol ACV HSC LDC Group 3 MCH' (Service extends to 200 Nm for refuge)" or equivalent of IRS/ABS/DNV/BV
<u>Operational Capability</u>		
15.	Operational Capabilities	The HDACVs shall have ability to travel at high speeds over deep or shallow waters, mud flats, coral reefs, grasslands, marshy land, creeks, swamps as well as high seas and should have night operating capabilities. The HDACVs shall have ability to land and operate from any flat surface, unprepared beaches, shores up to a gradient of 1:10 and shall not require jetties/wharves for berthing.
16.	Sea worthiness	Operations upto sea state 4 with significant wave height of 2 mtrs and shall have survivability up to sea state 5.
17.	Obstacle Clearance	The HDACV shall be able to clear obstacles of minimum 1.0 mtrs in height without any damage to its hull and fittings
18.	Speed curves	Speed versus sea state and wave height curves with different payloads of the proposed HDACV shall be forwarded for evaluation
<u>Other Important Features</u>		
19.	Propulsion	Diesel propulsion system with minimum two Main Engines with remote start option from control cabin shall be provided to meet the operational requirement complying with MARPOL 73/78 Annexure-VI. The HDACV shall be able to operate with single Main Engine with reduced capability/performance.
20.	Lift fan system	As per design with redundancy factor i.e. HDACV should be able to hover and operate in case of failure of one lift fan system.
21.	CPP and Steering system	Suitable electro-hydraulic CPP and steering system with redundancy factor shall be provided.
22.	Bow Thrusters or equivalent arrangement	Two bow thrusters or equivalent arrangement to assist in controlling bow of the HDACV shall be provided.
23.	Power Generation	(a) Adequate power generation and distribution system as per action load requirement plus 25% reserve growth

		<p>shall be provided to supply power to all electrical equipment.</p> <p>(b) The power generators shall include suitable quantity of Main Engine driven alternators to provide power to all critical electrical equipment and Two independent Power Generation units of adequate capacity with separate starting batteries to meet the power requirements of auxiliaries like Air conditioning plant, Crane, Domestic supplies and Lighting. The power generation units shall also have provision to charge Main Engine batteries through rectifier when power is not available through Main Engine mounted Alternators.</p> <p>(c) Facilities for shore supply connection (230V, 50 Hz, single phase, AC supply) shall be provided.</p> <p>(d) Adequate battery power for meeting engine starting and emergency service requirements is to be provided.</p> <p>(e) Cabling and circuit breakers are to be as per current Classification Society rules.</p>
24.	Control Cabin	The control cabin shall have 360 degrees unhindered exterior view. It shall be fitted with armoured protection of suitable material as per International Standards along with bullet proof glass.
25.	Deck	Deck shall be provided with non-skid surface.
26.	Cargo deck	Minimum 100 m ² open cargo deck area with provision of securing vehicles, Gemini Boats, Cargo, Containers, PR equipment etc
27.	Ramp	Suitable sized ramp with minimum 3.5 mtrs width to be provided to facilitate embarkation/ disembarkation of wheeled or tracked Vehicles/ Gemini Boats, Cargo/ Containers/ PR equipment.
28.	Skirt System	The HDACV can have open or close loop skirt or both. All skirt components shall be accessible and skirts changeable from outside without having the need to jack up the ACV.
29.	Mini Integrated Bridge System (MIBS)	A Mini Integrated Bridge System (MIBS) with redundancy of operating the equipment interfaced within the stand-alone mode. An additional control and monitoring station to be provided in passenger cabin to control & monitor the machinery and system installed onboard.
30.	Artificial Intelligence (AI)	AI capable predictive maintenance system with requisite software and hardware shall be provided for predictive

		<p>maintenance of Main Engines for propulsion and lift fan system. The software is to be equipped with self-learning algorithm for analysis of Main Engine parameters and shall be capable of indicating requisite corrective action to avoid failures.</p>
31.	Navigation Equipment	<p>Navigation equipment compliant with the IMO High Speed Craft code shall be installed onboard. The equipment shall include:-</p> <ul style="list-style-type: none"> (a) MIBS (b) Electronic Chart and Display Information System (ECDIS). (c) PC based Radar (d) DGPS (e) Fiber Optic Gyro Compass (f) Long Range Acoustic Hailing Device (g) Search Light (h) Night Navigator/Electro Optic Device (Indigenous)
32.	Communication Equipment	<p>The HDACV shall be equipped with following GMDSS compliant wireless equipment in Control Cabin:-</p> <ul style="list-style-type: none"> (a) Two VHF (25 W) Maritime Mobile Band VHF Receiver (b) One 250 W MF/HF Transceiver with DSC (c) One Manpack Satcom Terminal (MST) (d) Four GMDSS Compliant Handsfree Walkie Talkie sets (VHF) (e) One Portable V/UHF SDR (f) One Portable HF SDR (g) Four VHF Handsfree Walkie Talkie Sets with Voice reducer and waterproof leather carrying case and spare battery (h) One ALDIS Lamp (j) One universal Automatic Identification System (k) One Mobile Satellite System Mark II TxRx from M/s Avantel
33.	Internal Communication	<p>HDACVs to be provided with suitable internal communication system viz. Main broadcast and Intercom facility.</p>
34.	Weapon	<p>(a) <u>Main Armament</u>. Provisions for installation of Main weapon 12.7 mm Stabilised Remote Control Gun (SRCG) alongwith FCS (BFE) shall be provided at suitable location. Necessary deck strengthening to withstand installation of</p>

		<p>SRCG with total weight of 248 kgs (with weapon and 200 rounds ammunition) and firing pulse parameters of 800kgf for 5ms. Installation of Gun, Fire Control System, Gyro, monitor, CDU rack as well as laying of all connecting cables shall be done by the Yard. The gun gyro to be centrally aligned while installation.</p> <p>(b) <u>Armament Lockers</u>. Two Armament lockers for stowage of small arms and ammunition having heat and smoke detectors with warning and alarm system in Control cabin shall be provided in Passenger/ crew cabin. Dimensions to be finalised with ICG. Arms and Ammunition CG supply</p>
35.	Fire Fighting System	<p>(a) Environment friendly gaseous fixed fire-fighting system for machinery spaces with remote operation facility from Control Cabin and one emergency location (to be finalised during design stage) to be provided as per class.</p> <p>(b) Portable fire fighting equipment as per class shall be provided.</p>
36.	CCTV System	Marine grade CCTV system to cover entire HDACVs (interior and exterior) including machinery compartments.
37.	Air-conditioning and Ventilation system	Air conditioning system shall be provided for Control cabin and passenger/crew spaces with redundancy. The system shall be designed for air conditioning spaces in tropical conditions as per class requirements. The control cabin shall also have provision for air conditioning using AC system for passenger/crew cabin.
38.	Lifesaving Equipment/ Appliances	All lifesaving 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/ Class requirements.
39.	Ablution Facility	03 Nos. marine compliant toilets i.e. one independent and two attached with rest cabins are desirable. However, shipyard may recommend lesser number of marine toilets but not less than 02 Nos alongwith necessary justification stating the restricting factors.
40.	Fendering	Rubber fenders shall be provided all-round the hull at deck level to offer protection to HDACV when required to come alongside other vessels at sea. In addition, securing arrangement shall be provided on deck for securing inflatable rubber fenders for protection when HDACV is

		alongside in water.
41.	Bollards	At least 06 heavy duty bollards shall be provided (02 on the bows, 02 in midship and 02 on the stern) for mooring, anchoring and towing purpose. The bollard shall be capable of withstanding towing pull of similar sized HDACV.
42.	Meteorological Instruments	01 each Barograph, Anemometer (Wind Indicator) and Wet and dry bulb thermometers shall be provided
43.	EPIRB and SART	Emergency Position Indicating Radio Beacon (EPIRB) and Search & Rescue Transponder (SART) as per IMO shall be provided.
44.	Search Light	(a) One remotely controlled Search light with range of minimum 3 nautical mile and easily trainable on targets with controls in Control cabin shall be provided. Search light shall meet marine grade standards with appropriate IP protection as per Class regulations. (b) Two portable handheld Search Light with recharging facility and an illumination power of 6,000,000 candles shall be provided.
45.	Navigation and emergency lights	(a) Electrical navigation lights and signal lights to be installed according to international regime, and COLREGS-1972. The light control panel shall be installed in the control cabin. (b) Emergency lights shall be installed as required and supplied from emergency batteries. (c) One ALDIS lamp to be operated on mains/ battery.
46.	Fuel, Oil and Lubricants	HDACV shall carry fuel, oil and lubricants to meet the endurance and range specified. All POL shall be as per Indian standards and available in Indian market.
47.	Service Life	Not less than 20 years with annual exploitation upto 500 hrs.
48.	Classification	The vessel shall be built to dual classification with ABS or LRS or BV or DNV GL or NK and IRS as other classification society.
49.	Complement HDACV per	<u>HDACV Crew</u> (a) Officers - 04 (b) Enrolled Personnel - 20 Total - 24

		<p><u>Technical Support Staff for shore maintenance and CMC</u></p> <p>(a) Officers - 01</p> <p>(b) Enrolled Personnel - 03</p>
50.	Accommodation	Accommodation shall include 02 suitable rest cabins i.e. one for Pilots (twin sharing basis) and one for women Officers with attached washrooms for night halt in addition to the seating arrangement for 40 passengers. Requirements w.r.t. Women EP also to be catered.
51.	Messing Arrangement	Two electric hot plate and one suitable domestic refrigerator based on number for crew members and endurance of the HDACV shall be provided.
52.	Loud hailer, Police light and Siren	One 60W loud hailer with siren yelp and wail facility and complete with blue flashing strobe light shall be fitted. The loud hailer shall be mounted on a rotatable platform, which shall be remotely controlled from the helm and will be trainable into targets.
53.	Transport	<p>Following transport (all vehicles to be provided with ICG emblem & ICG imprint) shall be provided for carrying out duties: -</p> <p>(a) One SUV (4X4 drive) with min 1950 CC engine from reputed manufacturer.</p> <p>(b) One electric two wheeler with range of 150 km per charging.</p> <p>(c) One electric bicycle.</p>
54.	Mast	A mast fitted with navigational lights and antenna for various control cabin equipment. Height and location of same shall be finalized at design stage.
55.	Anchoring and mooring arrangement	Suitable anchoring and mooring arrangement as applicable for HDACV shall be provided. Length of chain cable and mooring rope to be provided as per class rule.
56.	Emergency arrangement	All essential and emergency service batteries adequate to meet the requirement of HDACV is to be fitted in accordance with IMO code.
57.	Deck Crane	01 deck crane of not less than two tons capacity shall be provided for embarking/ disembarking Gemini boats, cargo and PC equipment.
58.	Gemini Boat	02 Gemini Boats of six men capacity alongwith 25 HP OBMs and stowage/ launching/ recovery arrangement shall be provided for undertaking Boarding/ SAR operations

59.	Solar Power Generation System	It is desired that the HDACVs be equipped with a portable solar power generation system capable to meet general power requirement of the HDACVs. Accordingly, provision of suitable solar panels including concave solar panel for optimal capturing of solar heat may be considered for HDACV.
60.	Warranty	One year warranty on complete HDACV including warranties from equipment manufacturers shall be provided by Shipyard from the date of delivery of HDACV.
61.	Miscellaneous	(a) Three Marine Binoculars (b) Two Night vision IR Binoculars (c) One hand held electric signalling lantern (d) One set of semaphore flags
62.	Training of CG personnel	The proposal shall include training package for operators and maintainers of HDACV.
63.	Engineering Support Package	(a) OBS may include minor repair provisions (b) CMC for propulsion package
64.	Comprehensive Maintenance Contract (CMC)	The yard / builder shall provide a Comprehensive Maintenance Contract (CMC) package as part of Acquisition proposal that shall encompass all the maintenance requirement beyond ACV/HMU capabilities for a period of minimum five years beyond the warranty period including all spares. This would include preventive, breakdown and routine maintenance including annual surveys of HDACVs. The CMC scope shall cover following systems:- (a) Main Engines & associated systems (b) Propellers & associated systems (c) Bow Thrusters or equivalent arrangement (d) Transmission systems for propulsion & Lift fans (e) Lift Fan system (f) Conning PC and display system (g) Power generation & distribution system
65.	Indigenous Content (IC)	The achievable Indigenous Content of the HDACV shall be minimum 50%.

REQUEST FOR INFORMATION: PROCEDURE FOR RESPONSE

Request for Information for Acquisition of 12 Heavy Duty Air Cushion Vehicles (HDACVs) for Indian Coast Guard

1. The Indian Coast Guard is planning to procure 12 Heavy Duty Air Cushion Vehicles (HDACVs). With the view to identify Capacity Cleared Shipyards who can undertake the said project, Capacity Cleared Shipyards are requested to forward information on the 12 Heavy Duty Air Cushion Vehicles (HDACVs) which they can offer. The vendors are required to confirm para wise acceptance/ comments on the parameters/ broad specifications of the HDACVs 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 HDACVs.
3. The required information/ details may please be forwarded at the following address by **26 Jul 2024**: -

The Principal Director (Ship Acquisition),
Coast Guard Headquarters,
National Stadium Complex, New Delhi- 110001,
E-mail- dte-sa@indiancoastguard.nic.in
Tel: 011-23115313, 011-23115316. 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 Heavy Duty Air Cushion Vehicles (HDACVs) in service/design or development stage _____ .
- 5. Countries/Agencies where ACVs/HDACVs supplied earlier, provide details.
- 6. Estimated price of the HDACVs _____ .
- 7. Indigenous component of the HDACVs
 - (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 HDACVs 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. Confirmation from OEMs of major & auxiliary machinery to provide spares requirement for maintenance and overhaul through indigenous sources include in RFI.
13. List of probable indigenous equipment be appended.
14. Calculation w.r.t. enhanced range/ endurance which can be obtained, if craft operates at lower/ economical speed. Also to indicate economical speed.
15. Suggested Class Notations w.r.t Classification Society.
16. Yard to indicate major design aspects/limitations w.r.t any of the requirements.
17. Design constraints/ limitations alongwith proper analysis w.r.t higher operating envelope and other requirements.
18. Details to be submitted for generating/ refining/ rationalizing the SQRs alongwith justifications.
19. Specific inputs w.r.t. the proposed CMC Package indicated for the 12 HDACVs.
20. Periodicity of Scheduled Surveys.
21. Details of Special Maintenance Tools especially Propeller balancing Tool etc.
22. Details of Maintenance schedule/ Exploitation regime for the proposed HDACVs.
23. Proposed Delivery Schedule for 12 HDACVs.
24. Any other relevant information _____.
25. **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_____

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

(Authorised Signatory)

Date: _____

Place: _____