

**REQUEST FOR INFORMATION (RFI) FOR ACQUISITION OF
06 OFFSHORE PATROL VESSELS (OPVs)**

1. The Indian Coast Guard, Ministry of Defence, Government of India, intends to procure 06 Offshore Patrol Vessels (OPVs) 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)**. The Offshore Patrol Vessels (OPVs) will be used for multipurpose maritime operation as follows:-

Primary.

- (a) Coastal and Offshore Patrolling and Policing Maritime Zones of India.
- (b) Fisheries Protection and Monitoring, Control & Surveillance.
- (c) Anti-Smuggling and Anti-Piracy.
- (d) Search and Rescue in Indian SRR
- (e) Ocean Surveillance and Monitoring of SLOCs.

Secondary.

- (a) Limited Pollution Response against Marine oil spill.
- (b) Undertake limited Wartime Roles
- (c) Operating Twin Engine Helicopter for long range all time SAR and Surveillance.
- (d) Maritime Assistance Services (MAS).

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 OPVs 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 pact along with appropriate IPBG 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 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 product (OPVs) 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,

(c) An interaction meeting / VC will be held on **28 Mar 2022** to address the queries of vendors. Last date to receive queries **21 Mar 2022**.

(d) Last date of acceptance of filled form is **25 Apr 2022**. The vendors short-listed for issue of RFP would be intimated.

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 the OPVs 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 OFFSHORE PATROL VESSELS (OPVs)

Sl.	<u>Parameters/ Features</u>	<u>Details</u>
A long range surface platform with integral helicopter capable of operation in Maritime zones of India for undertaking CG charter of duties		
<u>Principal Dimensions</u>		
1.	Length (Overall)	115 ± 5 mtrs
2.	Displacement	To meet endurance, loading and speed requirements
3.	Max Hull Draught (full load)	Not exceeding 4 mtrs
4.	Max sustained speed	Maximum Continuous speed of more than 23 knots at 92% at MCR at full load displacement
5.	Cruising speed	Not less than 14 knots
6.	Range	Minimum 6000 Nm at cruising speed with 25% reserve fuel
7.	Fresh Water capacity	Minimum 100 Tonnes
8.	Hull	ABS grade B steel for ship's Hull and Grade AH-36 for Helo deck
9.	Fuel Capacity	To meet Range/Endurance
10.	Helo hangar &Helo deck	Helo deck and helo hangar should be suitable for stowage and operation of one integral helo of AUW 6000 Kg. The helo deck should be capable of embarking one helo up to 10000 Kg AUW for stage through operations. The helo deck should be suitably strengthened to cater for the crash load capability of helicopter specified and the deck should have night flying capability with Night Vision Goggles (NVG) compatible lighting.
11.	Class notations	+A1 HSC (Special Government Service) (E) + AMS NIBS + ACC DPS-1 FFV 1-NS CS-READY HELIODK (SRF)
<u>Operational Capabilities</u>		
12.	Operational Capabilities	The ships should be sea worthy to transits on all headings upto sea state 7 and up to a significant wave height of 8.65 mtr. Should be able to survive in all sea states. Capable of operating helicopter and Gun upto sea state 5 on favorable heading.
<u>Other Important Features</u>		
13.	Fin Stabilizers	Ship shall be provided with active fin stabilizer.
14.	Propulsion	2X Diesel Twin shaft CPP

15.	Power Generation	04 DG sets of equal rating, each capable of meeting power requirement in cruising condition. Any Two DGs selectively be capable of meeting ship's full load requirements with load at maximum 85 % rating. Automatic power management system (APMS) to be provided for managing and control ship's power.
16.	Integrated Platform Management System (IPMS)	IPMS to be provided including Integrated Machinery Control System (IMCS), APMS, Integrated Bridge system (IBS) & Damage Control System (DCS). All equipment / systems that are integrated with IPMS should have capability to operate in standalone mode.
17.	Artificial Intelligence (AI)	Smart technology software shall be integrated to augment and enable the IPMS.
18.	Navigation Equipment	Integrated Navigation Bridge System (IBS) as per NIBS, Portable Operator Unit with pre-loaded software to plugging into IBS databus, Navigation Radars, Electronic Chart Display and Information System(ECDIS), Gyro, Auto Pilot, Electro Magnetic(EM) Log, Echo Sounder, Magnetic Compass, Differential Global Positioning System(DGPS), Universal Automatic Identification System(UAIS), Voyage Data Recorder (VDR), Anemometer, Identification Friend or Foe (IFF)(CG Supply), Electric Whistle, Air Horn, Long Range Acoustic Hailing Device, Combined Weather Monitoring and Meteorological Instrument, Portable Navigation aids, Meteorological Arrangement/Aids, etc.
19.	Communication Equipment	SDRs, V/UHF Tx/Rx LUP328, V/UHF Tx/Rx LHP 265 DI MK-II, Ku/Ka band satellite communication Terminal Compact GMDSS console, Buyer nominated Mil grade V/UHF, HF and LF fixed and portable communication equipment, Buyer nominated Satellite Communication System, INMARSAT 'Fleet Broadband G2X' and 'C' Terminal, Cryptographic equipment etc.
20.	Internal Communications	Ship to be provided with suitable internal communication viz. Main broadcast, Intercom and sound power telephones, infra-red communication systems, etc.
21.	Weapon	Provisions for Main weapon with FCS and secondary weapons on bridge wings or at any other suitable location. Weapons will be CG supply. Small arms training simulator to be provided. Stowing arrangements for all small arms and ammunition to be catered as per NMER.

22.	Boats/Davits	<p>(i) Two main RHIBs (Rigid Hulled Inflatable Boat) with self-righting capability and integrated with davit system. Max speed not less than 40 knots with four Persons. Payload capacity – Approx 1100Kg including men & material. Portable GPS, VHF, Nav lights and Class-B AIS is to be provided for each RHIB. RHIBs are to be capable of being launched and recovered whilst the ship being underway at speed not less than 6 kts.</p> <p>(ii) 02 Inflatable boat with OBM. To have 08 men capacity with 40 HP OBM.</p>
23.	Crane	<p>Two self-contained articulated cranes on the Quarter deck for handling PR equipment. 02 self contained articulated cranes of 2 tons lifting capacity at 9 m arm radius to be installed on quarterdeck for handling pollution response equipment. Hoisting, slewing, lifting and telescoping shall be hydraulically controlled. The position of crane in stowed position will be limited to below helideck level for safe operation of helicopter.</p>
24.	Bow Thruster	<p>One tunnel type bow thruster at forward end for ease of maneuvering shall be provided.</p>
25.	Fire Fighting System	<p>Environment friendly gaseous fixed firefighting system NOVEC to be provided as per class for machinery spaces. Full flooding system independent for each machinery spaces shall be provided. The system shall comprise of cylinders, audio visual alarms, spray nozzles and associated fittings including battery for supplying Environment Friendly Fire Fighting Gas independently (net volume of each compartment to be catered for) to engine, aux machinery, MCR, MSB & AVCAT pump rooms. Water mist system for Category 'A' compartment as per SOLAS rules shall be provided in addition.</p>
26.	External Fire Fighting System	<p>Two External Fire Fighting (EFF) main engine/gear box driven PTO pumps with 2 x 1200 TPH capacity @ 120 Mtrs.</p> <p>Two External Fi-Fi pumps & system to be provided as specified in Class rule "FFV 1-NS". Drive for fire-fighting pumps to be taken from Main Engines or gear boxes.</p>
27.	PR Capability	<p>(i) Provision to fit swinging/retractable spraying booms/arms of spill spray system on either port & starboard side on foyle.</p> <p>(ii) Provision for stowage/fitment and operation of Pollution Response (PR) equipment to be catered by the shipbuilder. All PR equipment CG supply.</p>

28.	Remotely Piloted Aircraft (RPA)	Shall be capable of launch and recovery of Vertical Take Off and Landing (VTOL) RPA.
29.	Helo Traversing System.	Next generation Helicopter traversing System (HTS) viz Helo or equivalent TC-ASIST/ ASIST as per specification to be provided for Helo upto 6000 KG. Traversing system should not interfere with the Helo landing area on helo deck and conform with the obstruction criteria for ALH Mk-III. Fixed type Helo Hangar may be provided.
30.	Helicopter in Flight Re-fuelling (HIFR)	A Helicopter in Flight Re-fuelling (HIFR) system shall be provided
Miscellaneous		
31.	CCTV System	Marine version CCTV system to be provided
32.	ICCP and ICAF System	To be fitted with ICCP and ICAF system.
33.	Ventilation and Air-conditioning	To be fully air conditioned for tropical conditions as per Class requirements. Adequate redundancy in A/C capacity to be provided with 03 plants wherein any two plants shall be capable of meeting 100% load.
34.	6 lane small Arms	For training of personnel in small arms to be provided
35.	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 requirement.
36.	Environmental/ Ecological requirements	Two Sewage Treatment Plants, Garbage Disposal Unit and Incinerator as per MARPOL requirements. Waste oil storage and discharging provisions per current international regulations. Oily water Separator as per MEPC requirements.
Service Life		
37.	Service Life	Should have a service life of 30 years. Annual exploitation upto 2500 hrs.
38.	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.
Complement		
39.	Complement	(a) Officers - 15 (b) Subordinate Officers/ Enrolled Personnel - 110 Total - 125

REQUEST FOR INFORMATION: PROCEDURE FOR RESPONSE

Request for Information for Acquisition of 06 Offshore Patrol Vessels (OPVs) for Indian Coast Guard

1. The Indian Coast Guard is planning to procure 06 Offshore Patrol Vessels (OPVs). With the view to identify Capacity Cleared Shipyards who can undertake the said project, Capacity Cleared Shipyards are requested to forward information on the OPVs which they can offer. The vendors are required to confirm parawise acceptance/ comments on the parameters/ broad specifications of the OPVs 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 OPVs.
3. The required information/ details may please be forwarded at the following address by **25 Apr 2022** :-

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 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/SmallScale): _____

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 (to be submitted for each productseparately)**

(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 product (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: _____
 - (ii) 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 Offshore Patrol Vessel (OPVs) in service/design or development stage_____
5. Countries/Agencies where OPVs supplied earlier, provide details _____
6. Estimated price of the OPVs _____.
7. Indigenous component of the OPVs (in percentage) _____.
8. Capability of Indian vendors to indigenously design and develop the OPVs 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. Any other relevant information _____.
14. **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 _____
15. **Declaration**. It is certified that the above information is true and any changes will be intimated at the earliest.

(Authorised Signatory)

Date: _____

Place: _____