

**REQUEST FOR INFORMATION (RFI) FOR ACQUISITION OF
06 AIR CUSHION VEHICLES (ACVs)**

1. The Ministry of Defence, Government of India, intends to acquire **06 Air Cushion Vehicles** from prospective vendors with an approx build period of 30 months.
2. This Request for Information (RFI) consists of two parts as indicated below:-
 - (a) Part I. The first part of the RFI incorporates operational characteristics and features that should be met by the ACV. A few important technical parameters of the proposed ACV are also mentioned.
 - (b) Part II. The second part of the RFI state the methodology of seeking response of vendors. Submission of incomplete response format will render the vendor liable for rejection.

PART-I

3. **The Intended Use of Equipment (Operational Requirements).** The Air Cushion Vehicle (ACV) will be used for multipurpose maritime operation as follows:-
 - (a) High speed coastal patrol in shallow waters, marshy areas, and deep sea.
 - (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 requirement of CG ships
4. **Important Parameters.** Detailed specifications will be given in the Request for Proposal (RFP) which will be issued to the vendors after verifying their credentials and capabilities.
 - (a) **Description.** As specified at **Appendix 'A'**
 - (b) **Operational/Technical Parameters.** Broadly elucidated at **Appendix 'A'**.
 - (c) The indicative costing of the ACVs should include long term spares supportability along with all aspects of training, annual maintenance contract, any future upgradability and any other aspects.
 - (d) Indicate whether this ACV is in use by any other Service.
 - (e) Whether Option Clause as per DPP- 2016 is acceptable and for what period.

- (f) The vendor is required to comply with all provisions of DPP-2016. If not, which Para/Clause of DPP-2016 would not be agreed to with reasons.
 - (g) The tentative delivery schedule for supply of the ACVs after conclusion of contract.
 - (h) Acceptability to the terms of Payment as per DPP-2016.
 - (j) The Vendor is required to provide the quantum of indigenous content in accordance with Appendix A to Chapter I of DPP-2016.
 - (k) Has the ACVs have been designed, developed and manufactured in India. If yes, necessary supporting documents to establish indigenous design, development and manufacture may be attached with the response.
 - (l) Man power required to operate and maintain the ACV.
5. Vendors should confirm that following conditions are acceptable:-
- (a) The solicitation of offers will be as per 'Single-Stage-Two-Bid- System'. It would imply that a 'Request for Proposal' would be issued (anticipated time period is 06 months) soliciting the technical and commercial offers together, but in two separate sealed envelopes. The validity of commercial offer would be at-least 18 months from the date of submission of offers.
 - (b) The technical offers would be evaluated by a Technical Evaluation Committee(TEC) to check its compliance with RFP.
 - (c) Among the vendors cleared by Technical Evaluation Committee, a Commercial Negotiation Committee would decide the lowest cost bidder (L-1) and conclude the appropriate contract.
 - (d) The In Service Life of the ACV shall be stipulated in the offer.
 - (e) The manufacture/supplier should support each of the ACV supplied, for the period of its life span and firm should also indicate their willingness to undertake AMC/ periodic maintenance (under a separate contract on expiry of the warranty period) either directly or through their authorised reps in India.
 - (f) The vendor would be required be to accept the general conditions of contract given in the Standard Contract Document at Chapter VII of DPP-2016 placed on www.mod.nic.in.

(g) Integrity pact: An integrity pact along with appropriate Bank Guarantee is a mandatory requirement as per Annexure I to Appendix M of Schedule I to Chapter II of DPP 2016.

(h) Performance/Warranty Bonds: A performance- cum-warranty Bond both equal to 5% value of the Contract is required to be submitted after signing of contract.

PART -II

6. Procedure for Response.

(a) Vendors must fill the form response as given in '**Appendix B & C**'. Apart from filling details about company, details about the exact product meeting our generic technical specifications should also be carefully filled. Additional literature on the product can also be attached with the form.

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

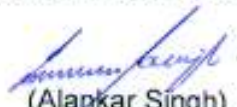
The Director (Ship Acquisition)
Directorate of Ship acquisition
Indian Coast Guard Headquarters
National Stadium Complex
New Delhi, India – 110001
E-mail :dte-sa@indiancoastguard.nic.in
Tel: 011 23074235, 011-23074125

(c) Last date of acceptance of filled form is 03 APR 2017. 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) in accordance with DPP 2016. The end user of the equipment is the Indian Coast Guard.

8. This information is being issued with nil commitment **for procurement** 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 DPP 2016.

9. Submission of incomplete response format will render the vendor liable for rejection.


(Alankar Singh)
Deputy Inspector General
Director Ship Acquisition
03 Feb 17

Appendix 'A'
(Refers to para 4)

OPERATIONAL PARAMETERS/TECHNICAL SPECIFICATIONS
06 AIR CUSHION VEHICLES (ACVs)

1. **Function/ Role.** The Air Cushion Vehicle (ACV) will be used for multipurpose maritime operation as follows:-

- (a) High speed coastal patrol in shallow waters, marshy areas, and deep sea.
- (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 requirement of CG ships.

2. **Primary Particulars**

- (a) Length - Length overall 18-22 Mtrs.
- (b) Displacement - As per endurance, loading and speed requirement.
- (c) Draught - Should not be more than 0.35 mtrs
- (d) Carrying Capacity - 20 men

3. **Operational Capabilities**

- (a) Max speed - Should not be less than 45 Kts
- (b) Pay Load - 4 T (Approx)
- (c) Range/ Endurance - 420 Nm (12 hrs @ 35 Knots)
- (d) Propulsion - Diesel propulsion system (02 Main Engines with elect start) with elevators to suit operational requirement.
(Complying to MARPOL 73/78 Annexure -VI).
- (e) ACV should be capable to land in an under- prepared beach or shore upto a gradient of 1:10.
- (f) Capability to operate as conventional boat even when 50% of the skirt is damaged.
- (g) Capable to operate as hovercraft even with 15-20% skirt damage.
- (h) Capable of operating sea water temperature 25^oC - 32^oC and ambient temperature upto 50^o C.

4. Seagoing Capabilities

- (a) Obstacle clearance height - 1.25 m
- (b) Operability - Upto sea state 3 & survivability upto sea state 4.
- (c) Hull - Aluminum/ Composite.
- (d) Class - ACVs are to be built to LRS class notation
 "+ 100 A1 SSC Patrol ACV HSC LDC Group 3
 MCH' (service extends to 200NM for refuge)"
 or equivalent IRS/ ABS/ DNV/ BV.

5. Navigational and Communication Equipment.

- (a) Mini Integrated Bridge System.
- (b) Radar
- (c) DGPS
- (d) GPS Compass
- (e) Night Navigator
- (f) Wind indicator
- (g) Gyro Compass
- (h) Long Range Acoustic Device
- (i) Long range camera with Thermal Imager, day and low light facility.
- (j) Search light remote control operated.
- (k) Loud hailer.
- (l) VHF & portable VHF
- (m) HF and portable HF
- (n) Maritime Mobile Band Tx/Rx
- (p) INMARSAT satellite communication telephone with voice, fax, data and distress alert facility.
- (q) Internal Communication system.
 - (i) Navigational lights as required for ACVs in international regime and COLREGS-1972.
 - (ii) Binoculars and Night Vision Binoculars.
 - (iii) High Magnification Binoculars.
 - (iv) Police Siren/Light.
 - (v) Laser Range finder.
- (r) Automatic Identification System (AIS)

- (s) Emergency Position Indicating Radio Beacon (EPIRB) -01 No.
- (t) Search and Rescue Transponder (SART) -01 No.

6. **Miscellaneous.**

- (a) **Expected Life.** Not less than 15 years with annual exploitation of 800 Hrs (Approx).
- (b) **Accommodation.** Accommodation for operating crew of 03 Officers & 13 Sailors and lockable accommodation for 05 detainees shall be provided.
- (c) Complete armoured protection to be provided to the control cabin.
- (d) The roof of control cabin should be strengthened to withstand installation of 12.7 mm SRCG with total weight not less than 350 KG (220kg gun system + 130 Kg for men approx.).
- (e) Life saving and Safety Equipment shall be as per SOLAS/ class rules.
- (f) **Manpower.** The ACV shall have a complement of 03 Officers and 13 Sailors.
- (g) ACV shall have Anchoring and Towing arrangement.
- (j) Four Alternators (two each driven by one Main Engine) shall be provided. The essential and emergency power requirements shall be supplied by one alternator in case of failure.
- (k) Auxiliary Power Unit (APU) for domestic lighting/ equipment with facility to charge Main Engine batteries shall be provided.
- (l) Air conditioning and ventilation system shall be provided.
- (m) ACV shall also have an inflatable boat and light crane for boarding operations.
- (n) One Marine compliant Toilet shall be provided.

Appendix 'B'
(Refers to para 6)

INFORMATION PROFORMA (INDIAN VENDORS)
(As per Appendix B to Chapter II of DPP-16)

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

(Certificate of Incorporation by Registrar of Companies to be attached)

(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: _____

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

Name & Address: _____

Pin code: _____ Tel: _____ Fax: _____

5. **Financial Details.**

- (a) Category of Industry (Large/Medium/Small Scale): _____
- (b) Annual turnover: _____ (in INR)
- (c) Number of employees in firm (Including Skilled & Semi Skilled) : _____
- (d) Details of manufacturing infrastructure (Details of design, planning and production facilities / infrastructure including slipways / drydocks and wet basin / water front (attach brochures etc.): _____
- (e) Earlier Shipbuilding contracts with Indian Ministry of Defence/Government agencies:

Contract Number	Equipment	Quantity	Cost

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
DGS&D			
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 product separately)

- (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): _____
 (Indicate the acquisition category as per DPP-16)
- (g) Status (in service/design & development stage): _____
- (h) Production capacity per annum: _____
- (j) Countries/agencies where ACVs supplied earlier (give details of quantity supplied): _____
- (k) Estimated price of the ACVs _____
 (Cost breakup details to be indicated including jigs/fit/SMTs/Documentation and OBS for 02 years)

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)**

Date: _____

Place: _____

Appendix 'C'
(Refers to para 6)

ADDITIONAL INFORMATION

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 : _____
- (e) Capacity of Shipyard : _____
- (f) Capacity utilization chart: _____

2. **Shipbuilding Profile**

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

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

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

4. Details of any Air Cushion Vehicle (ACV) in service/design or development stage _____

5. Countries/Agencies where ACVs supplied earlier, provide details _____

6. Estimated price of the ACVs _____
7. Indigenous component of the ACVs (in percentage) _____
8. Feasibility to construct the ACVs under Buy(IDDM) category _____
9. Any alternatives for meeting the objectives set forth in the RFI _____
10. Any other relevant information _____
11. **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. _____
12. **Declaration.** It is certified that the above information is true and any changes will be intimated at the earliest.

(Authorised Signatory)

Date: _____

Place: _____