

COAST GUARD HEADQUARTERS

REQUEST FOR INFORMATION (RFI) **TO CONVERT EXISTING INTERCEPTOR BOAT (IB) TO** **AUTONOMOUS INTERCEPTOR BOAT(AIB)**

1. Indian Coast Guard under Ministry of Defence, intends to convert one in no. Interceptor Boat built by M/s L&T to Autonomous as a pilot project. ICG invite a Request for Information to make the IB Autonomous to supplement the existing manpower to extend the OPS deployment with enhanced safety and efficiency. Technical specification and equipment fitted onboard IB are as follows:-

(a) Technical specification

- (i) LOA : 25 m approx.
- (ii) Beam : 6.40 m
- (iii) Draft (Max) : 1.4 m
- (iv) Displacement : 87 Ton
- (v) Speed : Max 40 Knots, Cruising 20 Knots

(b) Equipment fitted onboard Interceptor Boat(IB).

- (i) MTU 4000 series engines
- (ii) MJP Water jet system
- (iii) Navigation Radar
- (iv) High resolution HR/IR camera and Night vision Camera
- (v) Echo sounder & EM Log
- (vi) Gyro, DGPS, Anemometer, AIS and LRAD
- (vii) ECDIS and VHF Tx/Rx
- (viii) Onboard PC with Software suite

2. With the help of above mentioned equipments and technical specification ICG intends making the IB autonomous with following features:-

- (a) Automatic navigation of the boat using inputs of Camera, Radar and real time location on map.
- (b) Dynamic collision avoidance without Human interface
- (c) User can autonomously operate the boat defining the mission
- (d) Sensor and mission progress view on Ground control Station Computer
- (e) Autonomous static obstacle avoidance
- (f) Autonomous dynamic obstacle avoidance
- (g) Autonomous specification of offset to the mothership.

3. The firms/ shipyards desirous to participate in RFI for making the IB autonomous may contact CGRPS(Goa) for inspection of IB at Goa from **30 Oct 22** to **07 Nov 22** between **0900 Hrs** to **1600 Hrs**.

Address:-

The Superintendent
Coast Guard Refit & Production Team,
Vasco-da Gama,
Goa– 403802,
E-mail- rpt-goa@indiancoastguard.nic.in,
Tel: 0832-2950275

4. This information is being sought with no financial commitment and this office reserves the right to change or vary any part thereof at any stage. The Indian Coast Guard also reserves the right to withdraw this RFI at any stage.

5. The participating vendors to submit the RFI response with following details:-

- (a) Estimated financial implication of the proposal.
- (b) Envisaged time line for completion of the proposal.
- (c) Details of Indigenous content in the proposal
- (d) Expected bill of material.
- (e) Additional information, if any

6. The RFI response to be forwarded to under mentioned address by **10 Dec 22**.

The Project Director (Indg & DCG),
Coast Guard Headquarters,
National Stadium Complex,
New Delhi– 110001,
E-mail-dte-indg-dcg@indiancoastguard.nic.in,
Tel: 011-23115251

7. Apart from the above informations, the vendors may also forward additional technical details/product brochures/literature etc. pertaining to make the Interceptor Boat autonomous alongwith RFI response.