

Parameters for Empanelment of Designers

A) 120 Nos Fast Interceptor boats for Indian Navy

Sr. No	Parameters
1	a) Principal Particulars i) Length Overall – 13-17 meters ii) Beam overall – as per design iii) Draft - 1 meter iv) Displacement – 17 tons \pm 10% v) Sustained Speed – 45 knots vi) Economical speed – 15 knots vii) Endurance – 200 NM @ 15 Kt, 25% reserve viii) Propulsion – Twin Inboard engine with WJ / ASD ix) Hull – Carbon Fibre composite / Aluminium x) Complement – 4 Crew , 10 passenger xi) Ballistic protection – NIJ level III
	b) Seaworthiness – Operable at Sea state 3, survival at sea state 4
	c) Design - To be approved by IACS
	d) Armament – 1 Nos 12.7 mm SRCG - 2 Nos Acounstic warning device - 2 LMGs
	e) NAVCOM – As per latest standard
	f) Power generation – Adequate number of generators
2	Design – Shall be proven with IACS approval. A copy of Class approved drawing indicating customer / owner name to be submitted. Also the firm to submit the confirmation on whether the design is in-house or with Foreign collaboration, if so, the details of collaboration to be submitted. A feedback form certified by Customer will be required to be submitted along with the application
3	Overall experience in Design – Details of project indicating the Owners, types of vessels, number of designs etc.
4	Organization set up indicating the in-house resources.
5	Annual Turnover
6	Details of ongoing projects
7	Financial Capabilities

B) 12 Nos Air Droppable Amphibious Hull boat for Indian Navy

Sr. No	Parameters
1	a) Principal Particulars i) Length Overall – 12 to 13 meters ii) Beam overall – as per design iii) Draft - as per design iv) Displacement – As per proven design v) Sustained Speed – 45 knots vi) Economical speed – 25 knots vii) Endurance – 400 NM @ 15 Kt, 25% reserve viii) Propulsion – OBM/Inboard with Stern drive/ASD ix) Hull – Carbon Fibre composite / Aluminium x) Complement – Minimum 16 person with combat load
	b) Seaworthiness – Operable at Sea state 3, survival at sea state 4
	c) Design - To be approved by IACS
	d) Armament – 2 Nos 12.7 mm SRCG - Auto grenade launcher - One 50 kg self homing projectiles
	e) NAVCOM – As per latest standard
	f) Self righting feature
	g) Ballistic protection – NIJ level III A for Critical parts, Control console etc
	h) Proven Air drop platforms & K loader
	i) Compatibility for C 17 / C 130 aircrafts
	j) Capable to carry payload of 1500 Kgs
2	Design – Shall be proven with IACS approval. A copy of Class approved drawing indicating customer / owner name to be submitted. Also the firm to submit the confirmation on whether the design is in-house or with Foreign collaboration, if so, the details of collaboration to be submitted. A feedback form certified by Customer will be required to be submitted along with the application
3	Overall experience in Design – Details of project indicating the Owners, types of vessels, number of designs etc.
4	Organization set up indicating the in-house resources.
5	Annual Turnover
6	Details of ongoing projects
7	Financial Capabilities