

REQUEST FOR INFORMATION (RFI) HOVERCRAFTS

1. Government of Manipur is planning to acquire 03 in number Hovercrafts as a part of the acquisition programme. As a part of this exercise, Request For Information (RFI) on Hovercrafts is sought from prospective builders with past experience in manufacturing hovercrafts.
2. The broad details of Hovercrafts planned for acquisition is enclosed.
3. It is requested that the RFI reply on Hovercrafts including following aspects may be forwarded by – 25th February, 2009.
 - (a) Details of Hovercrafts built.
 - (b) Past experiences/customers list.
 - (c) Agencies/Collaborator strategic in India for product support in term of repairs and spares.

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Broad Staff Requirements for Hovercraft for Manipur Police

Hull Dimensions	
Length:	5.8-6.5 m
Width:	2.3-2.5 m
Height:	<2.0m
Weight (empty)	1100-1600 kg
Payload	500-600 kg (7 persons and gear)
Speed:	Cruise speed 40-60 kph Top speed 70kph
Hover-height:	300-400mm
Max Wave capability:	Approx 2 ft (600mm)
Standard hull color	White/Camouflaged
Features:	
Engine	<ul style="list-style-type: none"> • Suitable petrol/deisel engine.
Hull	<p>Fiberglass construction with hard wearing gelcoat finish. Glass/foam laminate vacuum bagged hull for strength and lightness. Excellent impact and abrasion resistance with easy on site repairs.</p> <ul style="list-style-type: none"> • Landing pads • Four combination mooring cleats and lifting points for craft • Front and rear stainless towing eye.
Cabin	<ul style="list-style-type: none"> • Large curved high visibility laminated shatterproof windscreen. Curved side window with superb vision • Window wiper with integral washer system • Anti fogging windscreen de-mister vents • Internal cabin light.
Fuel	<ul style="list-style-type: none"> • Fuel type diesel/petrol • Fuel tank mounted suitably to provides fuel for up to 4-6 hours cruising and to ensure stability
Transmission	<ul style="list-style-type: none"> • Centrifugal clutch engagement with polychain toothed drive belts with enclosed transmission • All rotating parts rubber mounted to minimize hull vibration.

Thrust & Lift	<ul style="list-style-type: none"> • Fixed/Variable/reverse pitch propeller/ propellers • Sealed bearings • Safety meshes on all air intakes <p>Separate Propellor/lift fan or integral thrust and lift system</p>
Skirt	<ul style="list-style-type: none"> • High quality heavy duty neoprene/hypalon coated skirt segments with operating life of atleast 100 hrs and easily repairable/replaceble. • Repair and replacement of segments without requirement of jacking the craft • Anti plough features to be installed.
Control	<ul style="list-style-type: none"> • Automotive steering wheel with fingertip thrust pitch buttons • Marine cable operated steering rudders.
Lighting/Electrical	<ul style="list-style-type: none"> • Marine navigation lights • 12 Volt electrical system with 60 amp alternator • 800 CCA amp marine battery • Amber strobe light • Bilge pumps (engine bay and cabin) • Fire extinguisher.