

NEW GENERATION ELECTRIC FERRY

BUILDERS OF 100+ WARSHIPS



INFINITE PASSION
MEETS UNWAVERING COMMITMENT



Taking a bold step towards green initiative, GRSE developed **zero emission electric ferry**, the first of its kind with potential to replace the conventional diesel engine driven ferries. It was a revolutionary measure towards reducing the Carbon Emission in the water transport sector.

PRINCIPAL PARTICULARS

- Hull type : Catamaran
- Length (abt.) : 24 M
- Breadth : 8.1 M
- Passengers : 150
- Speed : 8 Knots
- Draft (abt.) : 1.0 M
- Material : Hull – Aluminium
Superstructure – FRP



KEY FEATURES

- Zero emission / discharge
- Low wake and draft (catamaran hull)
- Powered by Battery and Solar Panels
- High passenger comfort
- Zero noise and vibration
- Ergonomically designed passenger area
- Low operational & maintenance costs

USP

- Powered by Battery and Solar Panels
- Zero emission/discharge, Low Wake Wash
- High passenger comfort with zero noise & vibration
- Ergonomically designed AC and Non AC Passenger Seating

Applications

- This Electric Ferry will potentially replace the conventional diesel engine driven ferries, thus ensuring zero emissions
- The vessel will also have zero noise and vibrations hence ensuring high passenger comfort
- This electric ferry is a revolutionary measure in reduction of Carbon Emission in the water transport sector

Role

- Twin Screw Catamaran Passenger Ferry

Functionality

- 150 Pax Ferry powered by Battery and Solar Panels

Unique Technology

- Fully Electric Design powered only by batteries
- Use of Solar Panels for optimization of power requirements
- Model Tested Hullform from IIT Kharagpur ensuring Low Wake Wash and Draught
- Ergonomically designed AC and Non-AC Passenger Seating Areas