



Integrated solar power operated floating device that provides the right ecosystem for proper growth of Fish & Prawn stocks.



DHIVARA MITRA

Technical Data Sheet

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FUNCTIONALITIES & FEATURES



One unit of Dhivara Mitra can cover 1.5 Acre of pond size

Aeration – DO Level Maintenance

- Maintains DO level between 5mg/L to 7mg/L
- Aeration process can run for 2.5 hrs and increase DO level by 1-2mg/L

pH Level Maintenance -

- 35 kg of chemical can be dispersed at a time to maintain the pH level

Uniform Feed Distribution-

- 35 kg of feed can be carried at a time and dispersed uniformly in 20-30 minutes

Navigation-

- Can cover an area of approximately 500m radius



TECHNICAL DETAILS

Sl#	Features	Technical Details
1	Float Body	FRP based catamaran
2	Power Source - DC	DC power source – 1.1 kWp Solar set with batteries
3	Aeration – DO Maintenance	<ul style="list-style-type: none"> ✓ Micro bubble aeration at a depth of 3.5 Feet water level (700 watt DC Motor) ✓ Surface level aeration (700 watt DC Motor)
4	pH Level Maintenance	Chemical dispersal with a 30 kg FRP dispenser (80 watt DC Motor)
5	Feed Dispenser	<ul style="list-style-type: none"> ✓ Feeder of 30 kg capacity (80 watt) (Can serve both Sludge form for fries/fingerlings & Solid form for adult stock)
6	Navigation	<p>Approx. 500 m radius of area can be covered</p> <ul style="list-style-type: none"> ✓ Propeller – (Design IP) <ul style="list-style-type: none"> ▪ Submersible jet type with 24V, 350 watt capacity ▪ Universal coupler joint for better power transmission ▪ SS Shaft

THANK YOU



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