



KEEP IN TOUCH:

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EXPLORE OUR INNOVATIONS



Eco Harvester⁺

In Collaboration with ICRISAT

More than just a machine – it's a gateway to ecosystem restoration and rural empowerment.



Smart. Clean. Circular

ABOUT *the* INNOVATION

Developed in collaboration with ICRISAT, this solar-powered harvester is designed to efficiently remove invasive water hyacinth from ponds, lakes and canals. It enables eco-friendly weed control and opens doors to productive reuse of biomass.

GAME-CHANGING *Engineering*

The harvester is designed to thrive in off-grid, rural settings where access to fuel or electricity is limited. It dramatically cuts manual labor and operational costs, making it ideal for:

- ☑ CSR-funded rejuvenation initiatives
- ☑ Community-driven weed management
- ☑ Government lake restoration programs
- ☑ Village ponds & decentralized infrastructure



Specifications at a Glance

Parameter	Details
Dimensions	3.0 m (L) × 2.0 m (W) × 3.17 m (H)
Power Source	100% Solar-Powered (550W panel + Lithium Battery Bank)
Transmission	5-Speed Forward & 3-Speed Reverse (Electric Trolling Motor)
Maximum Speed	Up to 8 km/h

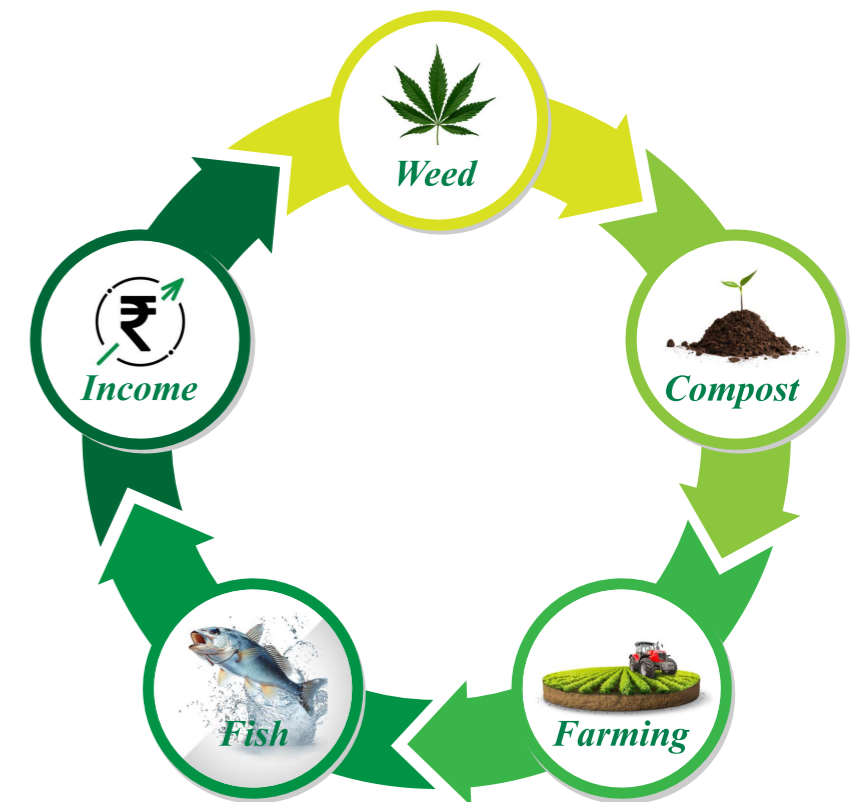
Key Features

- 🌿 Uproots water hyacinth (not just trims)
- 🌿 Solar-powered, no fuel or electricity needed
- 🌿 Lightweight, modular, and mobile
- 🌿 Operated safely and easily by 2 laborers (8 hrs/day)
- 🌿 Clears 1 acre in 3 days – (vs 20 laborers in 5+ days)
- 🌿 Women-friendly – platform-based, low-skill and safe to use
- 🌿 Ideal for STP polishing ponds, rural lakes, wetlands, fishponds
- 🌿 Made using locally available components for easy repair and maintenance



From WASTE TO WEALTH

The Hyacinth Harvester is just the beginning. We envision a circular economy model



This enables livelihoods for SHGs, farmers, and rural youth, while restoring the waterbody's natural balance.

Let's collaborate to restore, rejuvenate and regenerate