



## WHY CHOOSE US?

- No chemicals like chlorine or potassium permanganate
- No electricity required for treatment process
- Works seamlessly on solar-powered pumping
- Ideal for remote, tribal & rural communities
- Designed for high iron concentrations up to 20 mg/L

## “ SELF-SUSTAINED AUTO BACKWASHED IRON REMOVAL PLANT (IRP)

**ZERO CHEMICALS | ZERO ELECTRICITY | 100% ECO-SMART**

### KEEP IN TOUCH:



www.ecoparyavaran.org

info@ecoparyavaran.org

0172 461 6225; +91 98880 33866

**Chandigarh & Mohali:** ECO BHAWAN, Plot No. E-204, 205 & 207, Industrial Area, Phase VIII-B, Sector-74, Mohali, Punjab-160071.

**Gurugram & Delhi NCR:** 717, Floor 7, Tower 1, DLF Corporate Greens, Southern Peripheral Rd, Sector 74 A, Gurugram, Haryana 122004

Empaneled by Jal Jeevan Mission  
Tested by CSIR-NEERI  
Designed for Tribal & Rural India



restoring eco balance...

## THE PROBLEM



- 2000+ blocks in India have iron contaminated groundwater
- Linked to serious illnesses: cancer, liver damage, heart failure
- 400+ million people still use unsafe water
- Remote villages lack grid electricity and piped water infrastructure

## THE SOLUTION



- No chlorine, permanganate, or regenerants
- No electricity needed for filtration process
- Solar pump compatible
- Designed for off-grid, tribal and remote areas

## HOW IT WORKS

- **Step 1: Oxidation** – Air is injected to oxidize iron and gases.
- **Step 2: Filtration** – Polymer media traps iron and solids.
- **Step 3: Auto Backwash** – Flow drop triggers vacuum-based self-cleaning.
- **Step 4: Discharge** – Clean water flows out; <2% used for cleaning.
- **Media lasts 15 years** – no replacement needed



**LET'S BRING CLEAN, SUSTAINABLE WATER TO EVERY VILLAGE.**

## CERTIFICATIONS & RECOGNITION

- Patented Technology (India)
- Certified by CSIR-NEERI (20-month study)
- Included in Ministry of Jal Shakti DWS Handbook 2023
- Approved by Govt. of Chhattisgarh & Maharashtra

## CAPACITY RANGE

- From 1,000 LPH to 1 MLD
- Suitable for households, schools, and villages

## PRE-TREATMENT CONDITIONS



## POST-TREATMENT CONDITIONS



**OUR  
COMMITMENT:  
END-TO-END**

**WATER  
SOLUTIONS**

