



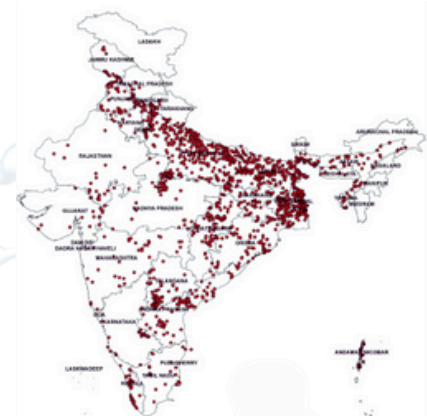
Driving collective impact for sustainable access to safe drinking water in rural communities

India has made significant progress on SDG 6, with access to drinking water across states, yet groundwater contamination continues to pose challenges in certain areas



Iron is one of the most prevalent groundwater contaminants in the country

Iron contamination of groundwater map



Graph Source- Govt. of India CGWB Data

Odisha has one of the highest burdens of iron contamination in groundwater

Effects of iron contamination on drinking water



Usage: Iron makes water taste metallic, smell unpleasant, and unsuitable for cooking & drinking



Access: Villagers, especially women, travel long distances for cleaner water



Health Effects: Prolonged iron exposure can lead to damaging organs like the liver, heart, and pancreas



Microbial Growth: Iron promotes the growth of iron bacteria

ABOUT US

LIVPURE FOUNDATION

Established in 2014, Livpure Foundation - a non-profit organisation, has been contributing towards access to safe drinking water across India

NAVODYAM

Navodyam is an initiative of the SDMC Trust, a family foundation established in 2009 by the promoters of the SAR Group, focused on primary education, primary healthcare, livelihoods and safe drinking water

Proven Solution = Durable Technology + Community Ownership + On-Ground Partners

1. DURABLE TECHNOLOGY



Low cost :

Designed by IMMT Bhubaneswar- CSIR Institute using tera filters. The total cost of the plant is INR 5 lakh, and it has a lifespan of 10 years



Highly effective:

Removes pathogen, 99%+ iron 13.6mg iron /L to 0.09 mg/ L, reduces turbidity = 1 NTU** (BIS LIMIT- 1 NTU)



Environment friendly:

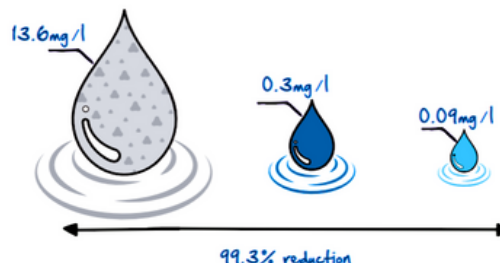
Solar powered pump & chemical free filters



Easy and low maintenance cost:

Community members are trained to repair & maintain the plant

Reduction in iron contamination in drinking water



Untreated Water*

BIS** Acceptable Limit

IRP Filtered Water*

The IRPs installed through the project are capable of reducing iron contamination by up to 99.3%, to a level which is much lower than the acceptable limit

*Lab test results of water samples | **BIS - Bureau of Indian Standards

Each Unit Capacity
(per day)



2,800⁺ ltr water
55-60 households
250 people



2. COMMUNITY OWNERSHIP



Each Iron Removal Plant is managed by **Village Water Committee**, having 10 members (> 50% women member)



Village Water Committee collects **INR 30/- monthly** from each households



Water governance

Village Water Committee manage timing of water usages, waste reduction and maintenance

3. ON-GROUND PARTNERS



Our Collective Impact

8⁺
Years

138
Villages¹

6
Districts of
Odisha

54,000⁺
Lives touched

¹As of March 2025, Livpure Foundation and Navodyam supported 106 units, and co-funders supported 32 units

Impact Evaluation

An independent evaluation of the program has been conducted in 2025 to measure the socio-economic impact and the social return on investment

Please scan to download the report

