MISSION PAANI

ACCESS TO SAFE DRINKING WATER

2022-23

CSR PROPOSAL & PRODUCT CATALOGUE

humandlon

Connecting the missing links!
Jaipur | Delhi | Lucknow | Pune

Technology Partner

PSR SUSTAINABILITY

Credible Solutions for Incredible India!

&

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Aquaplus Disaster Management

MISSION PAANI

Access to safe drinking water to every human...

- **Context and Need**
- **Products**
- **Impact, process and ~~Targeted SDGs~~**
- **Clients**

Context & Need

CONTEXT

With this initiative we aim to provide easy and affordable access to clean drinking water across India even to locations unreachable. The initiative runs by understanding the current water source, its technical assessments and health issues in-and-around the project site. It has been widely misunderstood that only RO purifiers have the ability to provide clean and safe water. In reality, the solution provided must be in accordance with the TDS levels, bacteria, and other physical parameters of water (smell, odour, colour, etc). Some locations require only a UF/UV purifier whereas some require RO purifiers.

NEED

- **The health burden of poor drinking water is enormous. Waterborne diseases affect nearly 37.5 million Indians annually. Unsafe water leads to stunted development in approximately 20 million children every year. Additionally, 66 million Indians are at risk due to excess fluoride and 10 million due to excess arsenic from drinking water. The economic costs of these waterborne diseases are an estimated USD 600 million annually with 73 million days of lost labour.**

- **Individual families bear the burden with high household medical expenses. Nearly two thirds of hospital beds are filled with patients with waterborne diseases, stressing an already inadequate health infrastructure. The hardest hit by these economic, health and social burdens are those living in extreme poverty: according to the India National Family Health Survey, 40% of those in extreme poverty used unimproved drinking water.**

PRODUCTS

1. . AP 700 CL

Mobile Water Purification Unit (Non-electric)

Recommended in - Flood prone areas, low TDS remote areas with electricity issues, community hand pumps

- Operated by hand pump
- Easy to assemble
- Portable
- Compact design
- Flow rate : 700-1000 LPH
- Attached chlorination control device : 0.5 to 2 ppm
- Turbidity < 5 NTU at output
- Removes bacteria and viruses
- Packed in GI boxes*
- Weight : 50 Kg

People using AP 700 CL with hand pump

2 AP 700 CL

Mobile Water Purification Unit (Honda-pump-electric)

Recommended in - Flood prone areas, Low TDS remote areas

- Operated by Honda Pump (Petrol)
- Easy to assemble
- Portable
- Compact design
- Flow rate : 700-1000 LPH
- Attached chlorination control device : 0.5 to 2 ppm
- Turbidity < 5 NTU at output
- Removes bacteria and viruses
- Efficient in flood prone areas
- Packed in GI boxes*
- Weight : 70 Kg

People using AP 700 CL with Honda pump

3. AP 700 GRAVITY

Cabinet Water Purification Unit (Non-electric-gravity)

Recommended in - Remote villages with electricity issues and TDS upto 500 PPM

- Works on Water Gravity pressure of 10 ft
- Non-electric
- Ultra-filtration membrane
- Suitable for TDS till 500 ppm
- Low maintenance
- Pump can be powered by solar
- Capacity 700-100 LPH
- Turbidity less < 5 NTU
- Removes bacteria and viruses
- Dimensions

4 GF 15 GRAVITY

Bucket Water Purification Unit (Non-electric)

Recommended - Household Unit TDS lower than 500 PPM

- Gravity filter with 20 liter Food Grade Top & Bottom Buckets
- Discharge 10-15 LPH
- High performance Microfiltration Cartridge based system
- Bacteria and virus removal
- Suitable for a family of 5-8 Persons
- Stackable Buckets hence easy for transportation
- Rapidly assembled & distributed

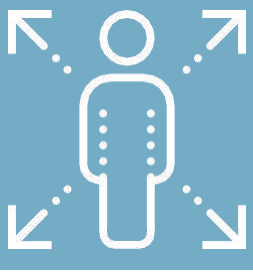
5 RO ELECTRIC

Cabinet Water Purification Unit

Recommended only for TDS higher than 500 PPM

- Capacity 50-10000 LPH
- High performance RO filtration based system
- Bacteria and virus removal
- Recommended for TDS > 500 ppm
- Suitable for community installations

Impact & Targeted SDGs

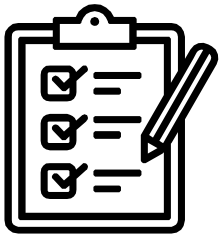


Responded to 50+ Disasters

5000+ Installation across the world

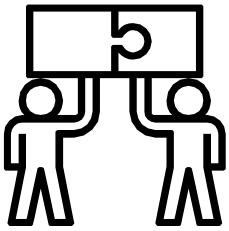
10,00,000+ lives impacted with clean water

PROCESS



Need Assessment

status of drinking water quality, associated health risks & Socio-Economic Baseline Data



Installation & Stakeholder Engagement

Awareness

Need of safe drinking water, and water conservation

TARGETED SDGs

CLIENTS

unicef