CLEAN WATER

SUSTAINABLE WATER TECHNOLOGIES PVT. LTD.

Rejuvenating Water Bodies And Restoring Their Ecosystems

INTRODUCING

FLOATING ISLANDS

A natural and innovative tool for improving water quality and providing ecological habitat. Floating Islands mimic a wetland-like effect; Underneath the islands, friendly bacteria begin forming Bio-Film on the Bio Media & the long roots of water cleaning plants. The islands are designed to maximize the microbial activity, helping to settle sediments and uptake pollutants like Phosphorus, Nitrogen and heavy metals for cleaner water.

Bio-Media

Bio-Film Formation
(Friendly Bacteria)

CLEAN WATER

FloatingIslands
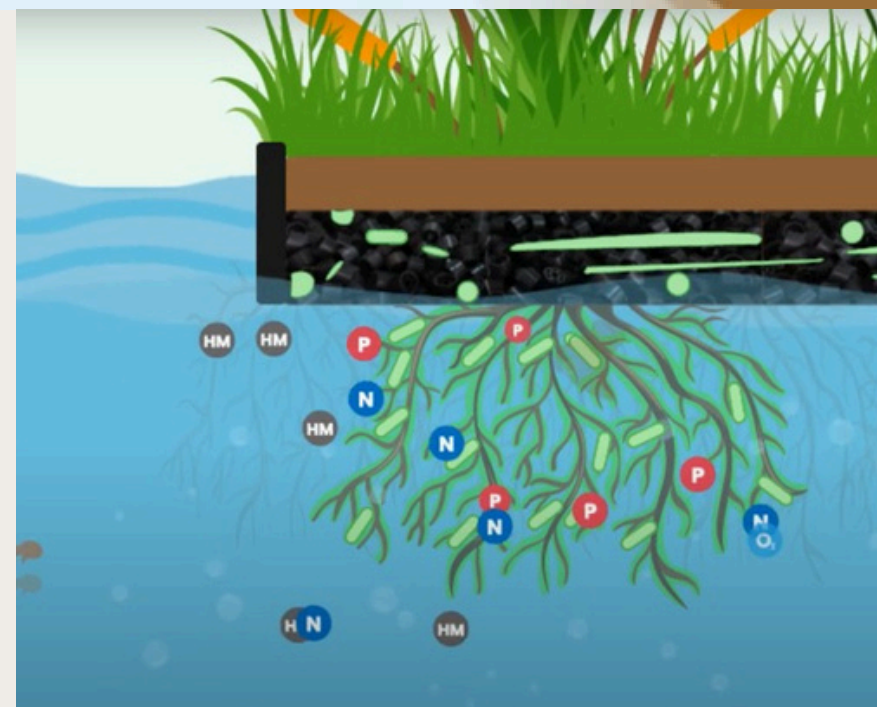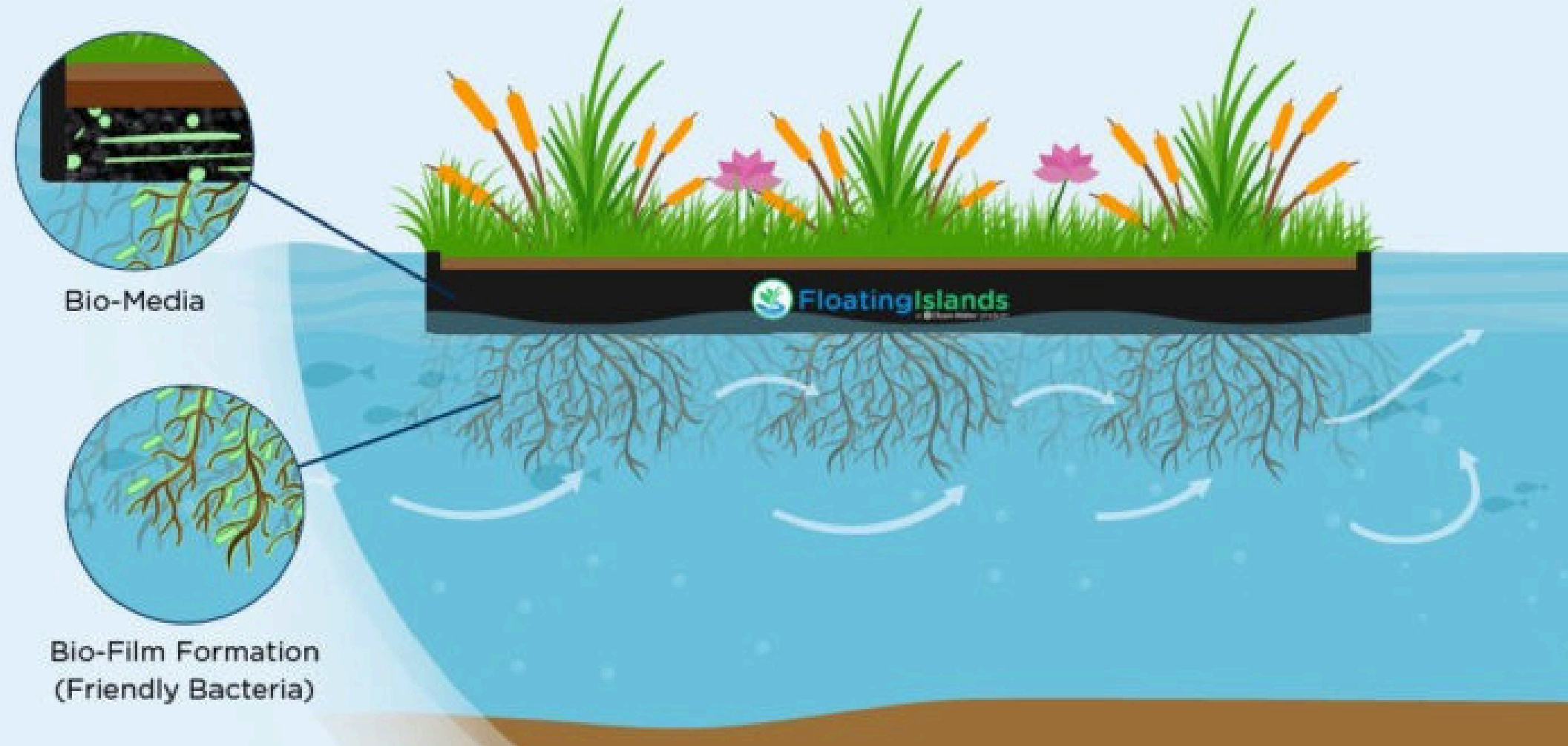
ABOUT US

BECAUSE WATER IS EVERYWHERE, SO ARE WE.

A Young and Innovative company headquartered in Indore, India. A team led by an IIT Bombay Alumnus, motivated and driven to solve the problems of Water pollution and water scarcity.

We leverage the power of nature and wetlands to provide cleansing action to water bodies. Floating Islands aka Floating Wetlands is a nature-based solution, Eco-Friendly, and a sustainable product.

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PRODUCT CATALOG

Floating Islands are available in different sizes, shapes, and specifications. They can also be customized as per requirement.

They can be applied on Lakes, Ponds, Rivers, Drains, etc.

They can be used for in-situ bio-remediation, beautification, ecology & biodiversity restoration, erosion protection, tourist attraction, etc.

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FLOATING ISLANDS 01

TECHNICAL SPECIFICATION

Size:	1m x 1m x 0.25m
Max Load:	80 Kg
Operational Load:	40 Kg
Frame:	Aluminum
Finish:	Rexine
Expected Life:	>3 Years
Ideal for:	Lakes & Ponds

FLOATING ISLANDS 02

TECHNICAL SPECIFICATION

Size:	1.2m x 1.2m x 0.25m
Max Load:	180 Kg
Operational Load:	90 Kg
Frame:	Wooden
Finish:	Rexine
Expected Life:	>3 Years
Ideal for:	Lakes & Ponds

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FLOATING ISLANDS 03

TECHNICAL SPECIFICATION

Size:	2m x 2m x 0.2m
Max Load:	400 Kg
Operational Load:	200 Kg
Frame:	Wooden
Finish:	Rexine
Expected Life:	>3 Years
Ideal for:	Lakes & Ponds

FLOATING ISLANDS 04

TECHNICAL SPECIFICATION

Size:	2m x 2m x 0.2m
Max Load:	400 Kg
Operational Load:	200 Kg
Frame:	Wooden
Finish:	Rexine
Expected Life:	>3 Years
Ideal for:	Lakes & Ponds

FLOATING ISLANDS 05

TECHNICAL SPECIFICATION

Size:	Diameter = 1m, h = 0.3m
Max Load:	100 Kg
Operational Load:	50 Kg
Frame:	EPE Sheets
Finish:	Rexine
Expected Life:	>3 Years
Ideal for:	Lakes & Ponds

FLOATING ISLANDS 06

TECHNICAL SPECIFICATION

Size:	1m x 2m x 0.3m
Max Load:	250 Kg
Operational Load:	125 Kg
Frame:	Wooden
Finish:	Rexine
Expected Life:	>3 Years
Ideal for:	Lakes & Ponds

FLOATING ISLANDS 07

TECHNICAL SPECIFICATION

Size:	1m x 2m x 0.2M
Max Load:	200 Kg
Operational Load:	100 Kg
Frame:	Wooden
Finish:	Rexine
Expected Life:	>3 Years
Ideal for:	Lakes & Ponds

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FLOATING ISLANDS 08

TECHNICAL SPECIFICATION

Size:	Diameter = 1m, h = 0.3m
Max Load:	120 Kg
Operational Load:	60 Kg
Frame:	Metal
Finish:	Epoxy Paint
Expected Life:	>5 Years
Ideal for:	Lakes, Ponds, Rivers, Drains
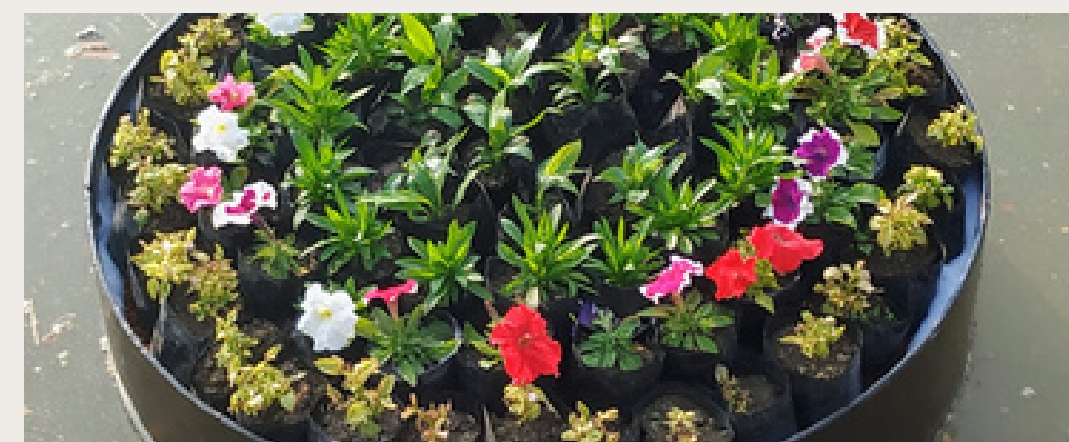
FLOATING ISLANDS 09

TECHNICAL SPECIFICATION

Size:	0.5m x 1m x 0.3m
Max Load:	80 Kg
Operational Load:	40 Kg
Frame:	Wooden
Finish:	Rexine
Expected Life:	>3 Years
Ideal for:	Aquarium

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FLOATING ISLANDS 10

TECHNICAL SPECIFICATION

Size:	2m x 2m x 0.4m
Max Load:	800 Kg
Operational Load:	400 Kg
Frame:	Metal
Finish:	Epoxy Paint
Expected Life:	>5 Years
Ideal for:	Lakes,Ponds Rivers,Drains
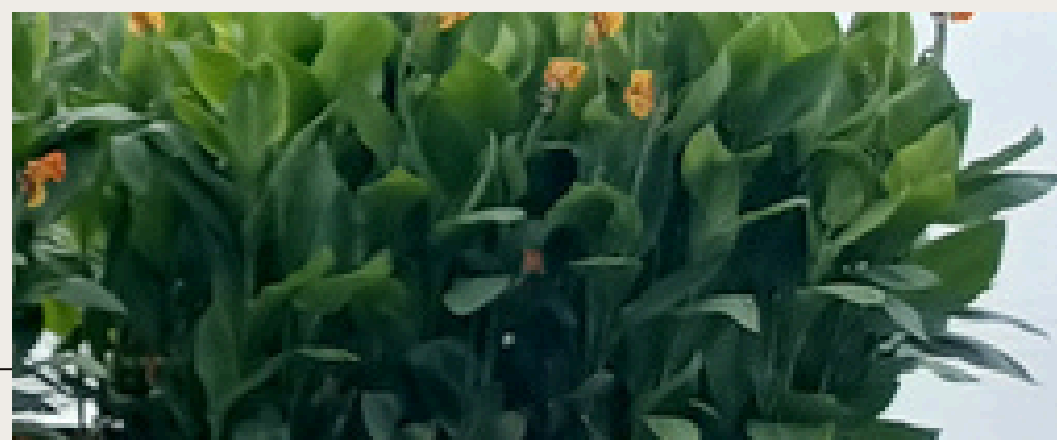
FLOATING ISLANDS 11

TECHNICAL SPECIFICATION

Size:	1.2m x 1.2m x 0.3m
Max Load:	230 Kg
Operational Load:	115Kg
Frame:	FRP
Finish:	FRP
Expected Life:	>10 Years
Ideal for:	Lakes, Ponds, Rivers, Drains

FLOATING ISLANDS 12

TECHNICAL SPECIFICATION

Size: 2m x 2m x 0.4m
Max Load: 800 Kg
Operational Load: 400 Kg
Frame: FRP
Finish: FRP
Expected Life: >10 Years
Ideal for: Lakes, Ponds, Rivers, Drains

FLOATING ISLANDS 13

TECHNICAL SPECIFICATION

Size:	3m x 2.5m x 0.4m
Max Load:	1200 Kg
Operational Load:	600 Kg
Frame:	FRP
Finish:	FRP
Expected Life:	>10 Years
Ideal for:	Lakes, Ponds, Rivers, Drains

FLOATING ISLANDS 14

TECHNICAL SPECIFICATION

Size: Custom

Max Load: Custom

Operational Load: Custom

Frame: Custom

Finish: Custom

Expected Life: Custom

Ideal for: Custom

BENEFITS

BEAUTIFICATION

Floating Islands provide an aesthetic facelift to the surroundings and can be used as a beautification tool for water-bodies.

ECOLOGICAL RESTORATION

Floating Islands provide habitat to all life-forms, both over and under water for restoration of biodiversity and ecology.

WATER QUALITY IMPROVEMENT

Floating Islands improve water quality, reduce algal blooms and remove pollutants such as Nutrients, Heavy metals, etc.

FLOATING JET AERATORS 01

TECHNICAL SPECIFICATION

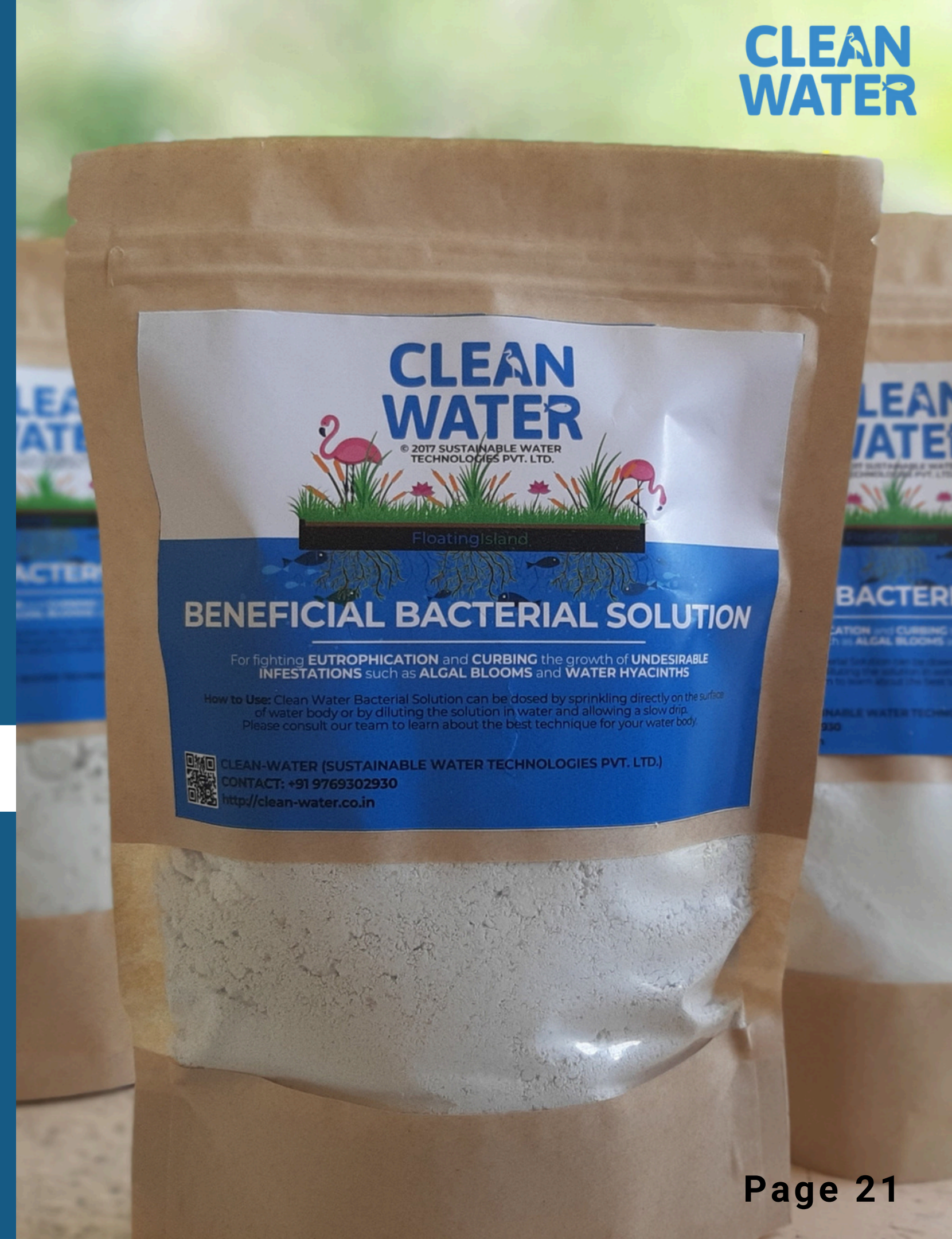|		
Horse Power	1 HP	2 HP
Voltage Range	230(Single Phase) /420(Three Phase)Volt	230(Single Phase) /420(Three Phase)Volt
Frequency Range	50 Hz/ 60 Hz	50 Hz/ 60 Hz
Ampere Range	6Amp(Single Phase) /1,8Amp(Three Phase)	11Amp(Single Phase) /3.3Amp(Three Phase)
Water Flow Range	60-75 feet	100-110 feet
Oxygen Generation (kg/hr)	3 kg/hr	3.8 kg/hr
Power Consumption (Unit/hr)	1 Unit	1.5-1.8 Unit
Installation Depth (In Feet)	4 feet from the surface level	5 feet from surface level

Clean Water
Beneficial Bacterial Solutions

Clean Water's beneficial bacterial solutions comprise of consortia of friendly bacteria specifically designed to quickly and effectively **tackle eutrophication** in water bodies.

These easily administered chemical free solutions **safely and biologically reduce the nutrient load in a water body** to starve out infestations of **unwanted species such as algae, water hyacinth, duckweed, azolla etc**. By curbing these infestations, these solutions **improve water odor, water clarity** and the **health of the overall ecosystem**.

BENEFITS

- Improves **water clarity and odour** within few days
- Safely **stops undesirable infestations** of algae, water hyacinth etc.
- Effectively **reduces accumulated sludge and silt**
- **Easily administered**, **low cost solution** for water bodies of all types
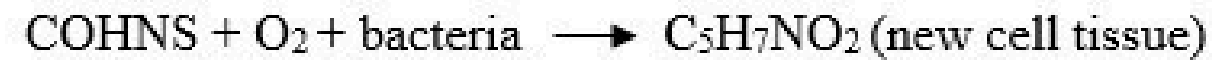- Biologically **removes excess nutrients** in water bodies

Biological Nutrient Removal Processes

1) Oxidation

$$COHNS + O_2 + bacteria \longrightarrow CO_2 + NH_3 + other\ end\ products + energy$$
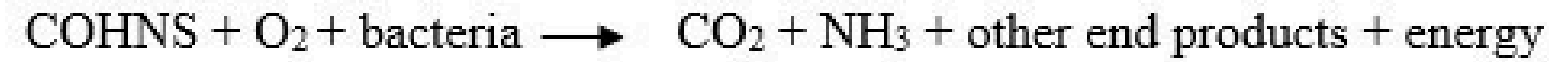
2) Synthesis of new cell tissue

$$COHNS + O_2 + bacteria \longrightarrow C_5H_7NO_2\ (new\ cell\ tissue)$$

3) Endogenous decay or respiration

$$C_5H_7NO_2 + 5O_2 \longrightarrow 5CO_2 + 2H_2O + NH_3 + Energy$$

4) Anaerobic Fermentation

$$Complex\ Organic\ Matter \longrightarrow Soluble\ Organic\ Molecules \longrightarrow 3CH_4 + CO_2$$

5) Biological Nitrogen Removal in the form of Nitrogen gas

(i) Nitrification

$$NH_3 + O_2 \longrightarrow NO_2^- + 3H^+ + 2e^-$$

$$NO_2^- + H_2O \longrightarrow NO_3^- + 2H^+ + 2e^-$$

(ii) Denitrification in this process NO_3^- is converted to nitrogen gas (N_2) by denitrifying bacteria. These are heterotrophic bacteria which need organic matter as a source for carbon.

$$2NO_3^- + 10e^- + 10H^+ \longrightarrow N_2 + 6H_2O$$
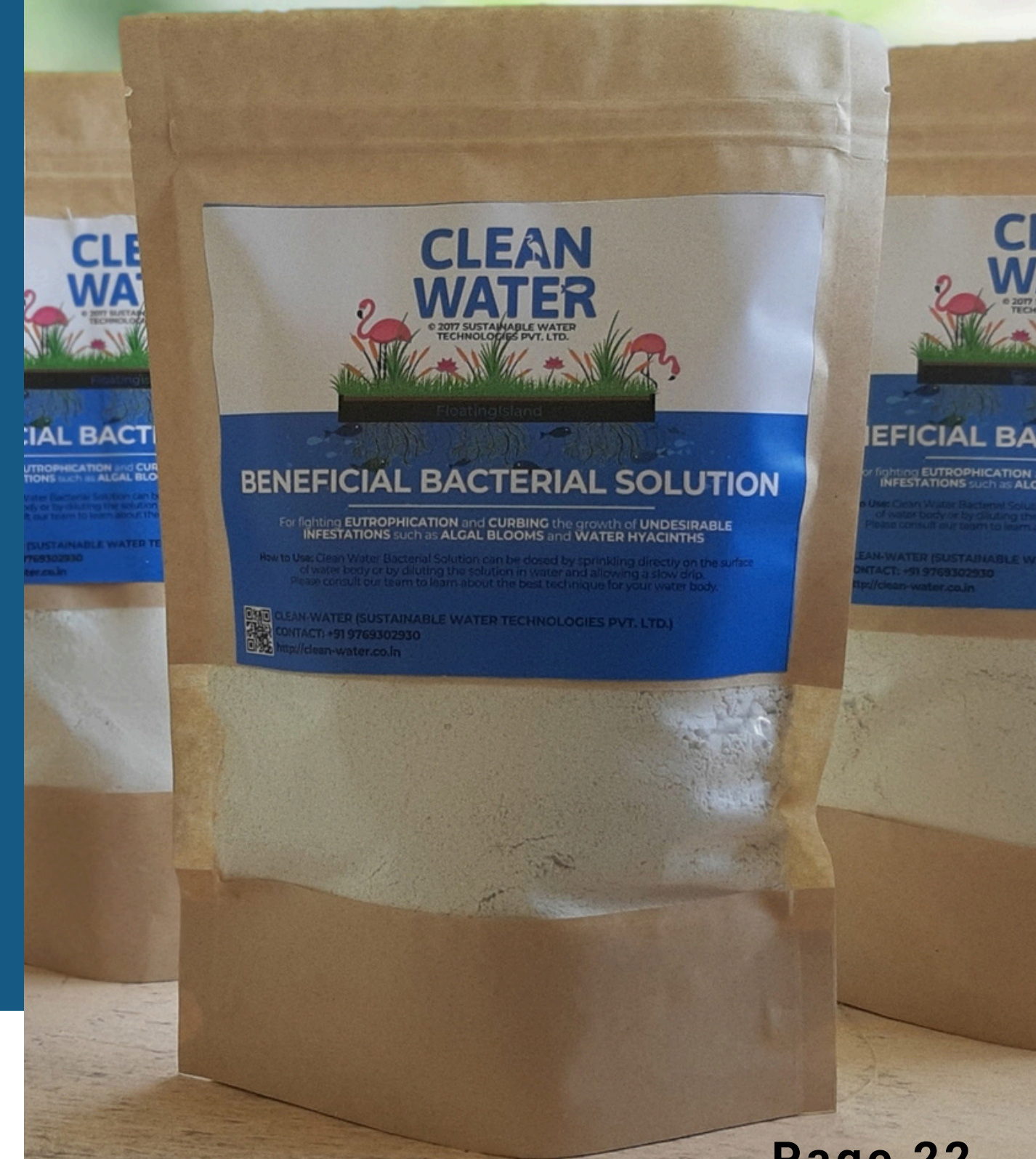
Consult with our experts to learn about the right solutions for your water body.

Whatsapp: +91 9769302930   Email: contact@clean-water.co.in.   http://clean-water.co.in

Dosing

Direct/Shock Load

Directly sprinkle the prescribed amount on the surface of the water. For best results, please sprinkle at different places on the surfcace and near any inlets.

Indirect/Timed Release

Obtain a 200 litre drum with a tap at the bottom. Dilute the prescribed dosage in the drum with water from the water body. Open tap slightly to achieve the prescribed rate of dosing. For best results, place the drum near an inlet to the water body.

Consult with our experts to learn about the right dosing technique for your water body.

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TERMS & CONDITIONS

1. **Payment Structure - 100% upfront.**

2. **Accessories - It is optional for the buyer to purchase Accessories from us. Accessories are charged additionally & include: 1. Peat Moss; 2. Planting Mix of Soil, Coco-Peat & Manure; 3. Rope; 4. Chains & Hooks Attached to the Bottom of the Island .**

3. **Packing & Transportation - Will be charged extra at actuals.**

4. **Installation - Installation is in the scope of the purchaser.**

5. **Plants - The plants native to the region shall be procured and planted by the purchaser at his cost.**

6. **Anchoring - The island comes equipped with a hook for anchoring. Attaching a rope and anchor to the hook and anchoring it is under the purchaser's scope.**

7. **Maintenance - Maintenance of the island is under the purchaser's scope.**

8. **Inspection - The purchase must duly inspect the product for defects and report it to the seller.**

9. **Delivery Time - The delivery time of the islands is 45 days.**

10. **Size of islands - The actual dimensions of the island may vary by approx. 5%.**

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WARRANTY

1. Duration - The warranty will expire 6 months from the date of delivery to the purchaser. The warranty applies to the original purchaser. It is not transferrable or assignable.

2. Purchaser's Remedy - Purchaser's sole & exclusive remedy under this warranty shall be limited to the repair, Remedy: at the Manufacturer's option and expense, of any defective part of the island. In no event will the manufacturer be liable for more than the amount of the Purchaser's purchase price, not to exceed the current list price of the product excluding tax, shipping & handling charges.

3. Purchaser's Duties - The purchaser shall give written notice to the manufacturer of any defect in material or workmanship within 15 days of delivery of the island.

4. Exclusions - The warranty and obligations stated here shall not apply to:
Loss or Theft of an Island.
Any damage caused by misuse, abuse, unauthorized modification, or improper storage.
Any damage caused by natural hazards, including but not limited to lightning, tropical storms, strong winds, or natural disasters.
Any damage or material loss due to animals and/or wildlife.
Conditions resulting from exposure to negative buoyancy or exceeding buoyancy specifcations of the island.
Plants or any other perishable or consumable items.
Any island that has been removed from India.

5. No Oral Modifications or Waivers - No modifications of this warranty or waiver of its term shall be binding on either party unless approved in writing by an authorized official of the party.

CONTACT US

BEFORE

AFTER

CLEAN WATER

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