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### Water and Wastewater Scientists and Engineers

### **Our Products and Services**

We are your go-to partner for water and wastewater solutions for small-scale and largescale applications. Our products and services include

### 1. Consultancy

We provide professional and accurate consultancy services before and throughout the lifetime of your water management project, whether small or large. The constancy includes:

- (a) Development of sustainable water supply strategies to help you determine and quantify the available water resources, the required treatment, storage and distribution infrastructure, and strategies to manage the water resources.
- (b) Concept and detailed water and wastewater infrastructure design.
- (c) Water demand calculations for master plans
- (d) Hydrogeological surveys
- (e) Riparian mapping, flood mapping and drainage design.
- (f) Water and wastewater sample collection, analysis, and result interpretation.
- (g) Obtaining permits- effluent discharge license, borehole abstraction

#### 2. Water Purification

We design, build, and service water harvesting & treatment solutions including:

- (a) Point of entry (PoE) reverse osmosis (ROs) and filtration systems
- (b) Point of use (PoU) reverse osmosis units
- (c) PoU dispenser ROs for hot and cold water

#### 3. Restoration & Creation of Surface Water Bodies

- (a) Restoration of water quality and riparian ecology of natural water bodies and river networks.
- (b) Designing, building, and managing of artificial water bodies for rain water harvesting, recreation, and aesthetic value.

# Creation and restoration of water features

From this



Desired Future/original past



### 4. Wastewater Management & Re-use

Designing, building, and servicing wastewater treatment and recycling plants.

## Natural Punguza<sup>™</sup>

Safe, non-toxic, and nature-based odour control range of products. They Include

- (a) Natural Punguza<sup>™</sup> for Pit Latrines Eliminates smell, reduces insects attracted to bad smells, and gradually reduces solids.
- (b) Natural Punguza<sup>™</sup> for Pipe Unclogging Unclogs drains, digests fats in grease traps, and eliminates odours in sinks and floor traps.
- (c) Natural Punguza<sup>™</sup> for Septic Tanks Eliminates smells and improves solid reduction in septic tanks, biodigesters, and other flush toilet systems.
- (d) Natural Punguza<sup>™</sup> Farm Odour Control Eliminates odours in animal confinements, manure composting, and accelerates composting.
- (e) Natural Punguza Odour Control Spray Eliminates odours in washrooms, portable toilets, waste bins, sanitary bins, carpets, and pets.

(f) Natural Punguza Solid & Odour Control – Multipurpose use for largescale applications in restaurants, schools, industries, farms, and mixed-use developments among others.

### **Our Impact**

- 1. Volume of drinking water purified +226,030 litres/day.
- 2. Volume of wastewater treated +2,470,000 litres/day
- 3. Volume of wastewater recycled +100,000 litres/day
- 4. Number of water features and wetlands created and restored +11
- 5. Number of riparian zones protected + 3