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# CERTIFICATE OF REGISTRATION



This is to Certify that the Quality Management System of

## BIOMIMICRY TECHNOLOGIES PRIVATE LIMITED

REGD. OFFICE: 4TH FLOOR, BUILDING NO. 2, MASOODPUR DAIRY FARMS, NEAR JIMS, VASANT KUNJ, NEW DELHI - 110070, INDIA

FACTORY: B1, ADMINISTRATIVE BUILDING, RCC STRUCTURE, SURVEY NO. 480/2, NADUPURU VILLAGE, ANDHRA PRADESH MEDTECH ZONE LIMITED, PEDAGANTYADA MANDAL, VISHAKHAPATNAM, ANDHRA PRADESH - 530031, INDIA

has been independently assessed and is compliant with the requirements of **ISO 9001:2015**

This Certificate is applicable to the following product or service ranges:

ENGINEERING, DESIGN, DEVELOPMENT, PROCUREMENT, MANUFACTURING AND ASSEMBLING OF MEDICAL EQUIPMENT, DIGITAL MEASURING EQUIPMENT, ELECTRONIC DEVICES AND OTHER ELECTRONIC COMPONENTS

Certificate No.: IN53711A

Date of initial registration	17 December 2020
Date of this Certificate	17 December 2020
Surveillance audit on or before	16 December 2021
Recertification Due / Certificate expiry	16 December 2023

This Certificate is remains valid subject to satisfactory surveillance audits.

*Emmanuel*  
**Emmanuel ADEMOSU**  
Director

For verification and updated information concerning the present certificate visit to [http://stainchly.com/research\\_certificate\\_status.php](http://stainchly.com/research_certificate_status.php)

This Certificate is the property of Stainchly Management & System Services Limited and shall be returned immediately when demanded

**STAINCHLY MANAGEMENT AND SYSTEM SERVICES LIMITED**

Labyrinth Business Centre, 43 Middle Hill Gate, Stockport, Greater Manchester, England-SK1 3DG  
Web: [www.stainchly.com](http://www.stainchly.com)  
E-mail: [info@stainchly.com](mailto:info@stainchly.com)  
Phone: +44 740 482 3687

Company Registered in England and Wales with Company Number 11488663



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# CERTIFICATE OF REGISTRATION



This is to Certify that the Medical Devices -- Quality Management System of

## BIOMIMICRY TECHNOLOGIES PRIVATE LIMITED

REGD. OFFICE: 4TH FLOOR, BUILDING NO. 2, MASOODPUR DAIRY FARMS, NEAR JIMS, VASANT KUNJ, NEW DELHI - 110070, INDIA

FACTORY: B1, ADMINISTRATIVE BUILDING, RCC STRUCTURE, SURVEY NO. 480/2, NADUPURU VILLAGE, ANDHRA PRADESH MEDTECH ZONE LIMITED, PEDAGANTYADA MANDAL, VISHAKHAPATNAM, ANDHRA PRADESH - 530031, INDIA

has been independently assessed and is compliant with the requirements of **ISO 13485:2016**

This Certificate is applicable to the following product or service ranges:

ENGINEERING, DESIGN, DEVELOPMENT, PROCUREMENT, MANUFACTURING AND ASSEMBLING OF MEDICAL EQUIPMENT, DIGITAL MEASURING EQUIPMENT, ELECTRONIC DEVICES AND OTHER ELECTRONIC COMPONENTS

Certificate No.: IN53711H

Date of initial registration	17 December 2020
Date of this Certificate	17 December 2020
Surveillance audit on or before	16 December 2021
Recertification Due / Certificate expiry	16 December 2023

This Certificate is remains valid subject to satisfactory surveillance audits.

*Emmanuel*  
**Emmanuel ADEMOSU**  
Director

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# CERTIFICATE OF REGISTRATION



This is to Certify that the Environmental Management System of

## BIOMIMICRY TECHNOLOGIES PRIVATE LIMITED

REGD. OFFICE: 4TH FLOOR, BUILDING NO. 2, MASOODPUR DAIRY FARMS, NEAR JIMS, VASANT KUNJ, NEW DELHI - 110070, INDIA

FACTORY: B1, ADMINISTRATIVE BUILDING, RCC STRUCTURE, SURVEY NO. 480/2, NADUPURU VILLAGE, ANDHRA PRADESH MEDTECH ZONE LIMITED, PEDAGANTYADA MANDAL, VISHAKHAPATNAM, ANDHRA PRADESH - 530031, INDIA

has been independently assessed and is compliant with the requirements of **ISO 14001:2015**

This Certificate is applicable to the following product or service ranges:

ENGINEERING, DESIGN, DEVELOPMENT, PROCUREMENT, MANUFACTURING AND ASSEMBLING OF MEDICAL EQUIPMENT, DIGITAL MEASURING EQUIPMENT, ELECTRONIC DEVICES AND OTHER ELECTRONIC COMPONENTS

Certificate No.: IN53711B

Date of initial registration	17 December 2020
Date of this Certificate	17 December 2020
Surveillance audit on or before	16 December 2021
Recertification Due / Certificate expiry	16 December 2023

This Certificate is remains valid subject to satisfactory surveillance audits.

*Emmanuel*  
**Emmanuel ADEMOSU**  
Director

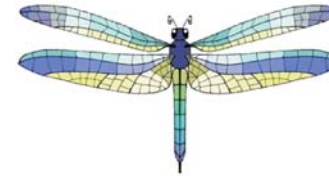
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# BIOMIMICRY TECHNOLOGIES PRIVATE LIMITED

A Group Company To MIMIC Nature



## Grey Water Recycling System

**Address: B1 , Administrative building, RCC structure, Survey no.480/2 AMTZ Pvt Ltd, Nadupuru(V), Visakhapatnam 530 031, Visakhapatnam, Andhra Pradesh 530002**



## Medical & Societies



## Municipalities Utilities



## Grey Water Generation

### Flushing



### Gardening



### Hand Wash



### Leg Wash



## Grey Water Generation

### Sulabh Bath



### Sulabh Toilet



## Grey Water Treatment Process Flow Diagram



### Uses of Grey Water in Medical & Societies

1. Hand wash & Leg Wash
2. Horticulture.
3. Floor Washing.
4. Flushing.

### Road Wash



### Gardening



### Urban Pure Grey water System

Urban Pure Grey water System treats grey water from sinks, basin, showers, baths, washing machine and dishwasher and produces high quality water you can use for toilet flushing, washing machine, vehicle washing and irrigation.

### Sources of Grey Water

1. Sinks
2. Basin
3. Showers
4. Baths
5. Washing Machine and
6. Dishwashers etc.
7. Storm Water / Grey Water Drain
8. Pavement Rain Water

### Advantage of Urban Pure Grey Water System

The Advantage Of Grey Water Reuse In Urban Pure Water System Provides Substantial Benefits For Both the Water Supply Subsystem, By Reducing The Demand Of Fresh Clean Water, and The Wastewater Subsystem By Reducing the Amount of Wastewater Required to be Conveyed and Treated.

### Our System

Proven And Reliable Membrane Technology  
Chemical Free Process  
Odour Free  
Lightweight Easy To Install  
Quiet And Economical

### Solar Powered / Low Energy Consumption Membrane Based Technology

The Urban Pure system uses an advanced treatment process with the latest water recycling technology. It uses patented membrane based technology to treat and recycle grey water ensuring bacteria and harmful pathogens are removed.

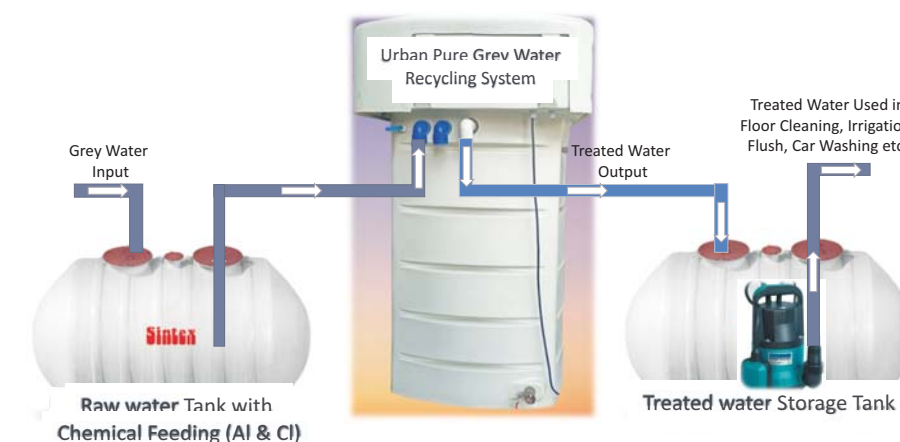
### How It Works

1. Grey water from the house flows into a 3000L collection well installed in the ground with overflow to sewer or treatment system in the case of high peak flow. On demand the pump in the collection well transfers the untreated Grey water up into the Urban Pure waste treatment unit.
2. There, the waste water is treated through constant aeration to break down any organic matter. The unit is a membrane bio-reactor with flat sheet membranes unique to Urban Pure. The treated Grey water is drawn through submerged membranes with less than 0.8 microns, allowing only pure, cleaner water to pass through.
3. Finally, the clean water receives UV treatment (double barrier disinfection) to make the water good for use.

### Water Treatment Capacity

Capacity :- 2800~3000 Litre/Day

## Grey Water Treatment Process Flow Diagram



### Uses of Grey Water in Municipal Area

1. Toilet Flushing
2. Public Utility.
3. Floor Washing.
4. Gardening.
5. Road Wash.

**Industrial**



**Commercial Building**



**Grey Water Generation Sources**

**Hand Wash**



**Vehicle Washing**



**Grey Water Generation Sources**

**Commercial Washing Cloth**



**Flushing**



**Production**



**Floor Washing**

EASIER TO DO HOUSEWORK  
SAVING YOUR TIME



No time-consuming and laborious

No backache and knee pain

No space-restricted

No harmful to wood floor



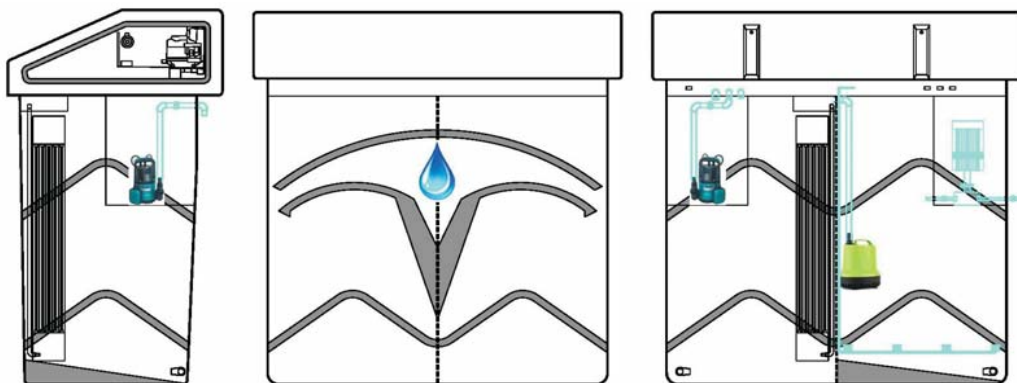
**Floor Washing**



**Washroom**



**Grey Water Treatment  
Process Flow Diagram**



**Uses of Grey Water in Industrial Area**

1. Toilet Flushing
2. Washing Machine.
3. Floor Washing.
4. Gardening.
5. Utensil Washing.
6. Production.

**Grey Water Treatment  
Process Flow Diagram**



**Uses of Grey Water in Commercial Area**

1. Toilet Flushing
2. Washing Machine.
3. Washroom.
4. Flushing.
5. Gardening.

## Residential & Societies



**MISSION:**  
The vision and values of BTPL is to strive MAKE INDIA self-sufficient through effective utilization of facilities and infrastructure. That means envisaged to achieve high technology and productivity consistent with modern Environment practices. BTPL recognises that honesty and integrity are essential ingredients of a strong and stable enterprise. Profitability provides the main spark of economic activity. Overall the company seeks to scale height of excellence in all that makes an atmosphere, free from fear and one which encourages innovations and creativity.

**ABOUT US:**  
BIOMIMICRY TECHNOLOGIES PRIVATE LIMITED is a company at AMTZ Campus in VISAKHAPATNAM, ANDHRAPRADESH, INDIA. It is a manufacturing unit that manufactures wide range of products from Grey water treatment Plants/System, medical grade electronics to high value added medical service. BTPL plans to realise a positive progress towards sustainable growth to become a leader in global market.

**VISION:**  
We, at BTPL, are committed to customer satisfaction. we shall meet customer needs and expectations by timely delivery of quality products through continuous improvement of technology, infrastructure and work environment with innovation and total participation. To become internationally recognised company by quality and customer satisfaction by adapting international standards and techniques.

### Washing Machine



### Bath



### Gardening



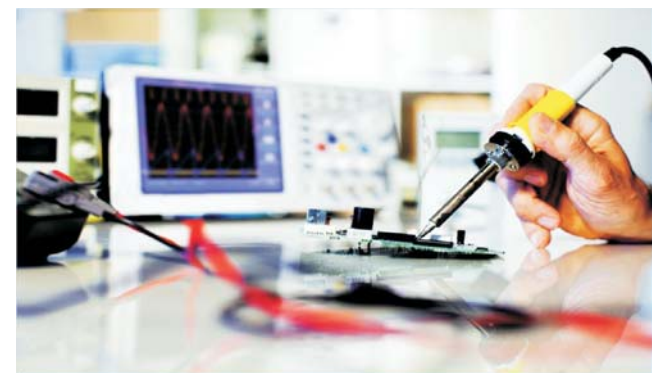
### Shower



### Hand Wash



### Floor Clean



Our products are designed with highly reliable and rugged components to ensure long life of the Equipment. Each and every product are 100% endurance tested during production to ensure low maintenance very long life, accurate and best quality performance. The tolerance in temperature measurement is as per ISO-9001 standards applicable for use in medical industry throughout globe. Our circuits schematic design, PCB design, outer plastic body drawing and design are completely done in Indian engineers and is 100% manufactured in India, (AMTZ) By Vishakhapatnam.

### Providing Make in India Initiative



Our idea is to invent new technology in Electronics and make India self sustainable in manufacturing medical grade electronic devices.



We are using high grade components, sensors and PCBs to make the quality, accurate & reliable medical grade electronic products.



We are following the standards of ISO 13485:2016 are being followed in our production procedure.



We are following ISO 9001:2015 standard for quality check and we are also following TQM system for our quality assurance.



We are using ISO 14001:2015 standards are being followed by our company with eco- friendly packaging material.

## Grey Water Treatment Process Flow Diagram



## Grey Water Uses

- Uses of Grey Water Residential**
1. Toilet Flushing
  2. Washing Machine.
  3. Floor Washing.
  4. Handwash.
  5. Flushing.
  6. Horticulture Area.
  7. Hand Wash.
  8. Shower.
  9. Gardening.

## GREY WATER RECYCLING SYSTEM



Test Report					
S. No.	Parameters	Unit	Input Water Test Result (Grey Water)	Output Water Test Result (Treated Water)	Remarks
1	Turbidity	NTU	417	10.73	IS 3025 (P-10)
2	Total Suspended Solids (TSS)	mg/ltr	348	8	
3	Total Dissolved Solids(TDS)	mg/ltr	879	623	IS 3025 (P-16)
4	Total Hardness	mg/ltr	288	186	IS 3025 (P-21)
5	pH value	-	9.6	7.73	IS 3025 (P-11)
6	Biological oxygen demand(BOD)	mg/ltr	187	96	IS 3025 (P-21)
7	Chemical oxygen demand (COD)	mg/ltr	675	340	
8	Dissolved Oxygen(DO)	mg/ltr	5.2	6.8	

**Grey Water System**  
Grey water System uses membrane bases safe technology to recycle household grey water to a safe and pure reusable quality for multiple applications\*.