



Science & Biotechnology
for Greener Environment

GREENWAY TECHNOLOGIES

LEADING ENVIRONMENTAL ENGINEERING &
SUSTAINABLE WATER SOLUTIONS

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SEWAGE TREATMENT PLANTS (STP) SUSTAINABLE. SMART. RELIABLE.

Specialized in STP/DSTP/WWTP based on
MBBR, SBR, MBR and other advance technologies.



**CLEAN WATER
BETTER TOMORROW**



**SOLAR
POWERED**

Energy Efficient
Operations



**SCADA
OPERATED**

Smart Monitoring
& Control

100+

**100+
STP's**

Having experience
of more then
100 STP's

SBR

**SBR
TECHNOLOGY**

High Efficiency
Treatment

MBR

**MBR
TECHNOLOGY**

Advanced Membrane
Separation



**ADVANCED
TECHNOLOGIES**

Customized &
Future Ready
Solutions

OUR EXPERTISE - DESIGNED FOR A GREENER TOMORROW



EXPERTS IN DESIGNING STPs FOR LAKE REJUVENATION

- ✓ Restoring polluted lakes to healthy ecosystems
- ✓ Zero discharge approach for sustainable lakes
- ✓ Advanced STP solutions for lake water rejuvenation & ecological balance
- ✓ Improves water quality, biodiversity & community well-being



EXPERTS IN DESIGNING STPs FOR TREATED WATER FOR PARK DEVELOPMENT

- ✓ Treated water for irrigation & landscape needs
- ✓ Supports green, sustainable & smart cities
- ✓ Reliable, cost-effective & eco-friendly solutions
- ✓ Enhances livability through green public spaces

 **Sustainable Water Solutions for a Better Environment, Today & Tomorrow.** 



ECO-FRIENDLY

Low sludge generation,
better effluent quality



ROBUST & DURABLE

High quality materials,
long life & low maintenance



RELIABLE & COMPLIANT

Designed as per CPCB,
CPHEEO & MoHUA norms



END-TO-END SOLUTION

Design, build, install,
test & commission

POWERED BY THE SUN.

COMMITTED TO A CLEANER TOMORROW.



**EXPERT
ENGINEERING TEAM**



**QUALITY
YOU CAN TRUST**

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gwtindia.in





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SUSTAINABLE WATER SOLUTIONS

TREATING LIQUID WASTE
FROM 2006

SOLAR POWERED STP / DSTP

SUSTAINABLE. SMART. RELIABLE.



SOLAR
POWERED



SCADA
OPERATED



18+
YEARS
EXPERIENCE



CPHEEO
BASED DESIGN



MBBR
TECHNOLOGY



DELHI JAL BOARD
& DDA PROJECTS

200 KLD DSTP INSTALLED AT YAMUNA VATIKA

OUR EXPERIENCE & EXPERTISE

- ✓ Treating Liquid waste from 2006
- ✓ Having experience of design, build, construct, installation, testing and commissioning of STP/DSTP
- ✓ Specialized in STP, DSTP, FRP (Fiber Reinforces Plastic)-STP, MS (Mild Steel)- STP
- ✓ Bioremediation of Lakes, Bioremediation of Nallah/Drains
- ✓ Having experience of 10 KLD to 1 MLD DSTP.
- ✓ Bioremediation of Lake, Drains

KEY HIGHLIGHTS

- ✓ DSTP Technology – MBBR
- ✓ CPHEEO, MoHUA, Govt. of India compliant design
- ✓ Designed for BOD <10 mg/l and TSS <10 mg/l
- ✓ Energised by Solar Power (40 KW – Yamuna Vatika & 30 KW – Subroto Park)
- ✓ Operated & Remotely monitored by SCADA
- ✓ High Efficiency • Low Sludge • Easy O&M

OTHER STP INSTALLED IN DELHI

- ✓ 200 KLD DSTP based on MBBR Technology and Solar Based at Subroto Park, New Delhi – Delhi Jal Board
- ✓ 250 KLD STP installed at Mandawali Vinod Nagar – DDA
- ✓ 200 KLD STP installed at Vaishnavi Nursery, Ashoka Vihar – DDA
- ✓ 250 KLD STP installed at Khirman Singh Park – DDA
- ✓ 200 KLD STP installed at D Block Park, Ashoka Vihar – DDA
- ✓ 75 KLD STP installed at Darbar Khan Nursery, Ashoka Vihar – DDA
- ✓ 75 KLD STP installed at Saraswati Vihar, Peetampura – DDA
- ✓ 1 MLD STP at recreational park, Tughlakabad – DDA
- ✓ 1 MLD STP at Aastha Kunj Park – DDA
- ✓ 10 / 25 / 50 / 100 KLD Pre Fabricated Modular STP – Multiple Installations in DDA

OUR MAJOR SOLAR POWERED STP INSTALLATIONS

200 KLD DSTP INSTALLED AT YAMUNA VATIKA



200 KLD DSTP INSTALLED AT SHUBROTO PARK



CONTAINER BASED (PACKAGED) STP



ACTUAL SITE PHOTOS – OUR INSTALLATIONS



BAREILLY, UTTAR PRADESH



UNDER GROUND FRP STP INSTALLATION



UNDER GROUND FRP STP INSTALLATION



OVER GROUND INSTALLATION



OVER GROUND STORAGE & TANK SETUP



STP INSTALLED IN PARK AREA

WHY CHOOSE GREENWAY TECHNOLOGIES?

- SOLAR POWERED**
Low power cost, energy independent
- SMART MONITORING**
SCADA based operation & remote monitoring
- ECO-FRIENDLY**
Low sludge generation, better effluent quality
- ROBUST & DURABLE**
High quality materials, long life & low maintenance
- END TO END SOLUTION**
Design, build, install, test & commission
- TRUSTED BY GOVT.**
Projects with DDA, Delhi Jal Board & more

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COMMITTED TO A CLEANER TOMORROW.

EXPERT
ENGINEERING TEAM

QUALITY
YOU CAN TRUST

END-TO-END SUPPORT
AMC AVAILABLE

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GREENWAY TECHNOLOGIES

LEADING ENVIRONMENTAL ENGINEERING &
SUSTAINABLE WATER SOLUTIONS



OUR DIFFERENTIATORS



END-TO-END SOLUTIONS

From design engineering to installation, testing, commissioning and O&M – complete turnkey solutions under one roof.



EXPERIENCED & QUALIFIED TEAM

Backed by experienced environmental engineers, process experts and skilled site professionals.



QUALITY & COMPLIANCE ASSURED

All systems designed as per CPHEEO guidelines and applicable statutory norms for guaranteed performance.



SUSTAINABLE & ENERGY EFFICIENT

Integration of solar power, energy efficient equipment and resource recovery concepts.



CUSTOMIZED & SCALABLE SYSTEMS

Solutions tailored to site conditions with scalability from 10 KLD to 1 MLD and beyond.



STRONG AFTER SALES SUPPORT

Comprehensive O&M & Maintenance support with remote monitoring and prompt technical assistance.

TREATMENT TECHNOLOGIES WE OFFER

MBBR

(Moving Bed Biofilm Reactor)



High efficiency biological treatment with low sludge generation.

MBR

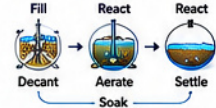
(Membrane Bio Reactor)



Advanced membrane separation for superior effluent quality.

SBR

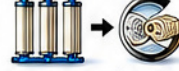
(Sequential Batch Reactor)



Time-based treatment cycles for optimized performance.

UF

(Ultra Filtration)



Removes suspended solids, bacteria & pathogens efficiently.

RO

(Reverse Osmosis)



Produces high purity water, ideal for reuse and recycling.

DISINFECTION

(UV / CHLORINATION)



Ensures safe and hygienic water for discharge or reuse.

TYPICAL APPLICATIONS



Residential Communities



Commercial Complexes



Institutions & Campuses



Industries



Parks & Public Spaces



Hospitals & Healthcare

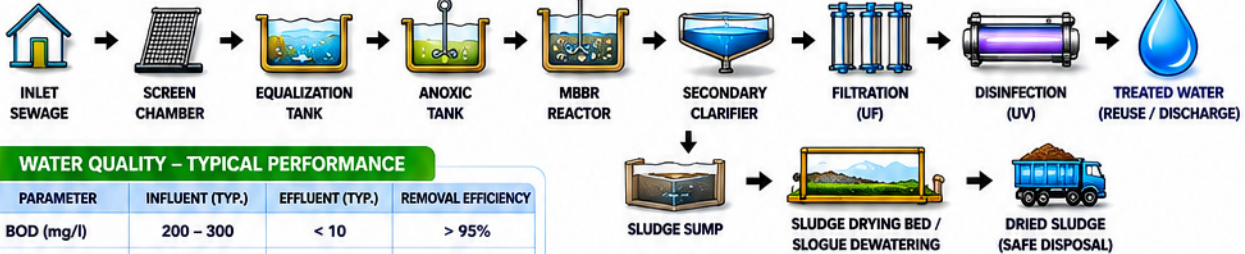


Hotels & Resorts



Retorts

PROCESS FLOW – TYPICAL STP (MBBR BASED)



WATER QUALITY – TYPICAL PERFORMANCE

PARAMETER	INFLUENT (TYP.)	EFFLUENT (TYP.)	REMOVAL EFFICIENCY
BOD (mg/l)	200 – 300	< 10	> 95%
COD (mg/l)	400 – 600	< 50	> 90%
TSS (mg/l)	200 – 300	< 10	> 95%
NH ₃ -N (mg/l)	25 – 40	< 5	> 85%
Total Coliform (MPN/100 ml)	10 ⁵ – 10 ⁷	< 100	> 99.9%

* Performance may vary based on influent characteristics and operating conditions.

RESOURCE RECOVERY & REUSE



TREATED WATER REUSE

For flushing, horticulture, cooling towers and industrial processes.



ENERGY SAVINGS

Solar power integration reduces grid dependency and operational cost.



SLUDGE MANAGEMENT

Low sludge generation with safe handling and disposal solutions.



ENVIRONMENTAL BENEFITS

Reduces pollution load, conserves water and supports sustainability.

OUR CLIENTS & PARTNERS

Proudly working with leading government bodies, development authorities and organizations.



DELHI JAL BOARD



Delhi Development Authority



MUNICIPAL BODIES



CANTONMENT BOARDS



PSU & INDUSTRIES



REAL ESTATE DEVELOPERS

COMPREHENSIVE O&M SUPPORT



24/7 remote monitoring with SCADA and IoT-enabled systems.



Preventive maintenance & scheduled service visits.



Performance reporting & data analytics for continuous improvement.



Trained operators & technical support team always available.



Supply of consumables, spares and AMC options.



WHY GREENWAY TECHNOLOGIES?

- ✓ Proven track record of 100+ successful projects
- ✓ Advanced technology with reliable performance
- ✓ Cost-effective solutions with lower life-cycle cost
- ✓ Timely delivery with uncompromised quality
- ✓ Long-term partnerships built on trust

OUR PRESENCE

Projects executed across Delhi NCR and various states in India.



OUR IN TOUCH

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GREENWAY TECHNOLOGIES

SMART AUTOMATION. INTELLIGENT MONITORING.

SUSTAINABLE OPERATIONS.



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AUTOMATION & SMART MONITORING OF STP

Greenway Technologies delivers intelligent automation solutions for Sewage Treatment Plants (STP) to ensure reliable operations, real-time monitoring, data-driven decision making and regulatory compliance.

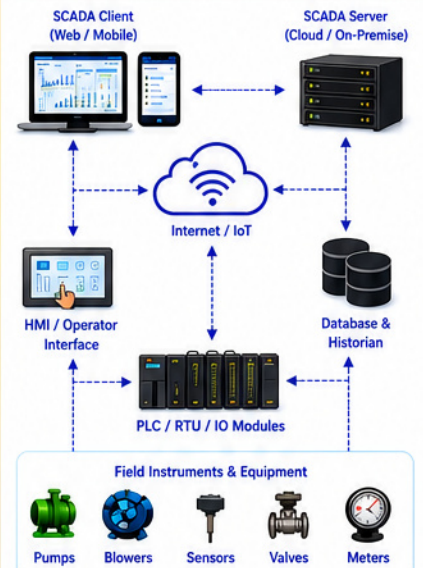
CENTRALIZED MONITORING WITH SCADA



KEY BENEFITS

- Real-time monitoring of STP performance from any location
- Improved process efficiency & reduced manual intervention
- Early fault detection & alarm notifications
- Data logging, reporting & analytics for compliance
- Reduced operational cost & energy saving
- Secure, reliable & scalable solution

SYSTEM ARCHITECTURE



REAL-TIME
MONITORING



REMOTE
CONTROL



ALARM
MANAGEMENT



HISTORICAL
TRENDS



REPORTS &
ANALYTICS

SCADA FEATURES

- Real-time Process Visualization
- Remote Monitoring & Control
- Data Logging & Historical Trends
- Alarm Management (SMS/Email)
- User Management & Security
- Report Generation (Daily/Monthly)
- Energy Monitoring & Analysis
- Integration with PLC / RTU / Sensors

WEB & MOBILE APPLICATION



Live
Dashboard



Alerts &
Notifications



Reports &
Analytics



Remote
Control

IIoT ENABLED



- Cloud Connectivity
- Edge Data Processing
- Secure Data Transmission
- Device Health Monitoring
- Scalable & Future Ready

OUR AUTOMATION SCOPE

- PLC / SCADA System Design & Engineering
- Panel Manufacturing & Installation
- Instrumentation & Field Integration
- SCADA Software Development
- IIoT Gateway & Cloud Integration
- Testing, Commissioning & Training
- Annual Maintenance & Support (AMC)

HMI (HUMAN MACHINE INTERFACE)



- Intuitive & user-friendly interface
- Touch based operation
- Real-time process overview
- Alarm display & acknowledgement
- Multi-level access control
- Supports multiple languages

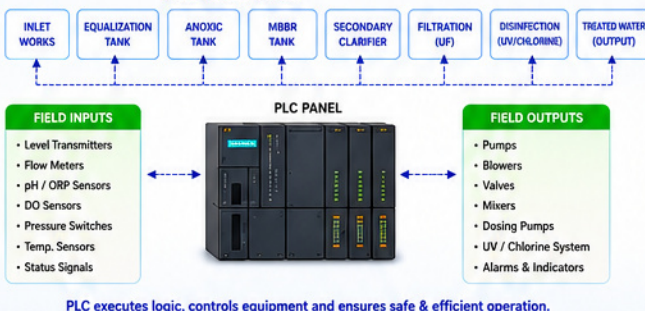
OLMS (OPERATION & MAINTENANCE MANAGEMENT SYSTEM)

- Track & manage maintenance activities
- Asset management & lifecycle tracking
- Work order management
- Spare parts inventory
- Maintenance history & analytics
- Improve uptime & reduce downtime



AUTOMATION OF STP BY PLC & SCADA

1. PLC CONTROL LAYER



2. SCADA MONITORING LAYER



- Real-time Monitoring & Control
- Alarm Management & Notifications
- Trends & Historical Data
- Reports & Analytics
- User Management & Security



Internet / IoT

Web / Mobile Access
(Anytime, Anywhere)

COMPLIANCE & STANDARDS

- Designed as per CPHEEO, MoHUA & SPCB norms
- Supports CPCB online monitoring requirements
- Secure data storage & audit trail
- ISO 27001 aligned data security

CONNECTIVITY OPTIONS - Completion for Efficient & Sustainable Operations



Ethernet



Wi-Fi / 4G / 5G



LoRa / NB-IoT



VPN / Secure
Tunnel

ALERTS & NOTIFICATIONS



SMS



Email



WhatsApp



In-App Alerts



LET'S AUTOMATE YOUR STP
for Smarter, Safer & Sustainable Operations



Expert
Engineering Team



High Quality
Reliable Systems



End-to-End Support
AMC Available



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REAL TIME CONTROL. SMARTER DECISIONS. BETTER TOMORROW.



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CONTAINER BASED (PACKAGED) STP



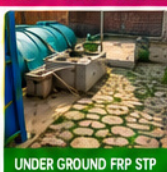
ACTUAL SITE PHOTOS – OUR INSTALLATIONS



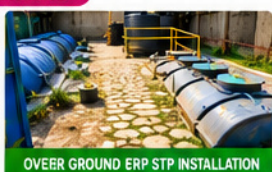
BAREILLY, UTTAR PRADESH



UNDER GROUND FRP STP INSTALLATION



UNDER GROUND FRP STP



OVER GROUND ERP STP INSTALLATION



STP INSTALLED IN PARK AREA

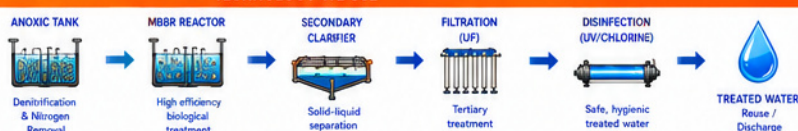
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PROPOSED RATES (With 5 Year O & M)

S.No.	CAPACITY	COST (SETUP + 5 YEAR O & M)	TIME REQUIRED
1	10 KLD – FRP Pre Fabricated	22 Lakhs Setup + 22 Lakhs O & M (Total 44 Lakhs)	1 Month
2	25 KLD – FRP Pre Fabricated	32 Lakhs Setup + 28 Lakhs O & M (Total 60 Lakhs)	1 Month
3	50 KLD – FRP Pre Fabricated	50 Lakhs Setup + 35 Lakhs O & M (Total 85 Lakhs)	1 Month
4	100 KLD – FRP Pre Fabricated	86 Lakhs Setup + 46 Lakhs O & M (Total 132 Lakhs)	1 Month
6	200 KLD – MS Pre Fabricated (With 30 KW Solar)	140 Lakhs Setup + 55 Lakhs O & M (Total 195 Lakhs)	2 Months

TECHNOLOGY WE USE



INSTALLATION SOLUTIONS



OVER GROUND
INSTALLATION
FRP Pre-Fabricated
Portable Modular STP



UNDER GROUND
INSTALLATION
FRP Pre-Fabricated
Portable Modular STP



SOLAR POWER
ENERGIZED STP
SCADA Operated STP
(Mild Steel)



STP CONSTRUCTED
IN CIVIL
Engineered for
Long-Term Performance

LET'S BUILD A SUSTAINABLE TOMORROW
with Smart, Solar & Reliable STP Solutions



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