





## Company Introduction :

SM Enviro Solutions is a high-flying name, involved in offering the best-in-line quality products in the Indian and overseas markets. Operating as a Manufacturer, Exporter and Supplier, we bring forth a range of products having long service life and low maintenance requirements. Our product range entails RO Water Purifier Plant, Effluent Water Treatment Plant, Rainwater Harvesting System, Solar Panels, Solar Water Heaters, Solar Water Pumping System, Solar Street Lights, Wastewater Treatment Plant, Wastewater Treatment Chemicals, RO Antiscalants, Water Softening System and DM Water Plant. With the aid of modern manufacturing techniques and adroit professionals, we have gained rich customer base. With us, one can stay assured for timely deliveries.

## Our Quality:

For us, quality is one of the foremost priorities. And, for ensuring the same, we have adopted high-quality measures that ensure the finest quality and help us in attaining 100% client contentment.

## Our People:

Our strength also lies in the dedicated efforts of our experienced professionals, who go the extra mile for complete client satisfaction. Each of our team members is highly experienced in their respective domains. Further, the dedicated endeavor of our workforce has set us apart to create new success stories with quality-centralized products.

## Certification:

We ensure client is provided with necessary test certificates for the system and spares supplied by us.

## Our Strength:

**We are preferred over our competitors for the following reasons**

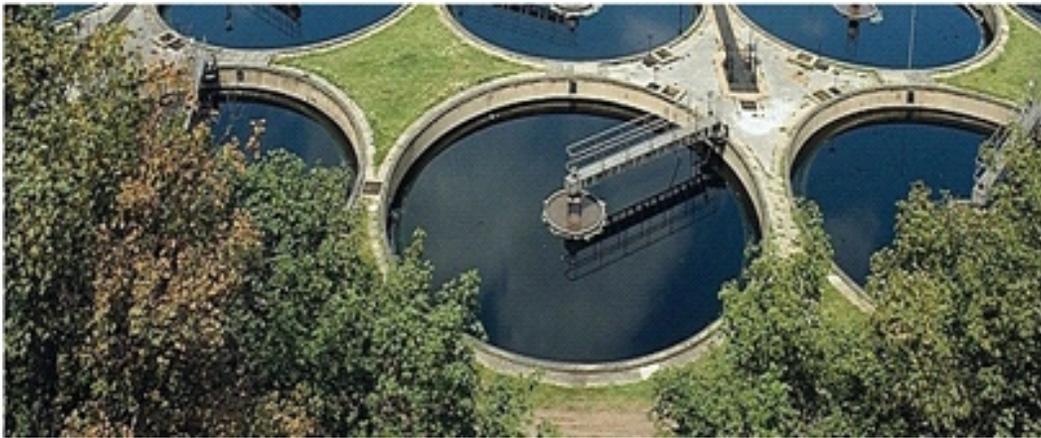
- Premium quality products
- Capability to meet various demands
- Timely delivery
- Cost effective prices
- After sales service.

## Features of our Plants & Systems:

- Rugged construction
- Corrosion resistance
- Effective water purification and filtration
- Low power consumption
- Stability under varied conditions
- Tolerance
- Low Maintenance life

# PRODUCTS

## 1 ETP/STP



**SM Enviro Solutions** provides effluent treatment plant for various Industries. waste water is treated by means of physical, chemical, processes. Our engineers design, execute, and maintain such type of plants to suit various needs of different industries like laundry, textile, dry clean, raw material cleaning and many more.

Our goal is to provide clients with a single-point source for all their wastewater treatment needs and to ensure their complete satisfaction not only with the systems themselves but with their long-term performance as well. We not only manufacture exceptionally high-quality systems, but we also offer design services, training, equipment commissioning, chemical formulations, and maintenance after the initial installation.

### Systems/Products:

- Wastewater Treatment Systems
- Sewage Treatment Systems
- Anaerobic Treatment
- Continuous Sedimentation
- Heavy Metal Removal
- Dissolved Air Flotation
- Filter Press
- Evaporation Systems
- MBBR Systems
- Fluidized Bed Systems
- Diffuser Systems
- Pressure vessels
- Sequential Batch Reactor
- MBR System
- Wastewater Treatment Equipment
- Filter Press Systems
- Biological Systems
- pH Neutralization
- Induced Air Flotation
- Clarifier Systems
- Odour Control Systems.
- Aeration Systems
- Bio Pac Media Systems
- Tube Settlers
- Air Blowers
- Lamella Clarifier
- Activated Sludge
- O & M Service

## 2) Solar Package Plants



### SM Enviro Solutions – Energy Saving Solutions

At SM Enviro Solutions we aim to build a green future for our global community by utilizing the energy of the Sun. We work to build and maintain a cleaner, energy-efficient world. We are a Mumbai based company with a growing network across India. SMES aims at delivering its products and services to the consumer in the stipulated time frame, keeping in mind that the consumer is a green citizen and his initiative to go in for an energy saving solution should not be neglected.

### Salient Features of Roof Top Solar Solutions:

- Pure Sine Wave Inverter
- Adjustable battery charging current based on applications
- Compatible to mains voltage or generator power
- Smart battery charger design for optimized battery performance
- Cold Start Function
- Fulfills power requirement for conventional applications (Light, Fan, TV, Fridge)
- Generates Power and Supplies even when electricity is there
- Protects against overload, short circuit, battery deep discharge / overcharge and output over voltage
- Easy Installation, Easy Operation, Minimal Maintenance

## 3) RO Antiscalant



RO ANTISCALANT

RO membrane systems that use **SMES** Antiscalants avoid mineral scaling and thus can operate for extended periods of time between membrane cleanings. Also, Antiscalants allow RO membrane systems to remove far more pure water from each CU.MTR of feed water than would otherwise be possible. RO Antiscalants can be selected on following basis:

#### We need:

- 1.The feed water chemistry.
- 2.The system recovery.
- 3.The feed flow rate.

## 4) Solar Street Lights



SM Enviro Solutions Solar Lights feature the revolutionary LED based lights that are extremely bright, long-life, durable and maintenance free. LED delivers a lot more lumens per watt than a light bulb or a CFL when properly applied such as in SM Enviro Solutions Solar Lights. LED's are environment-friendly and leave virtually no carbon emissions, thereby contributing to a greener future.

SM Enviro Solutions Solar Street Lights are a break-through in outdoor-lighting arena. Not only have we designed lights to match varied roads, areas and street-lighting needs we have also used extremely long life, zero maintenance Solar panels, batteries and custom design poles that withstand all weather conditions, storms and monsoons.

Flyovers or bridges, highways or city roads, townships or hotels, city parks or gardens - the application of these lights is endless. A cost effective investment for years, these lights come in a number of specification, designs, height and colours to meet your expectations.

### Salient Features:

Contains **high power LEDs**

<b>Luminary</b>	: High pressure Aluminium Die cast
<b>Optics</b>	: Suitable light angles
<b>Controller</b>	: Automatic Dusk to Dawn PWM based
<b>Ingress Protection</b>	: IP-65 luminary
<b>LED Lifespan</b>	: < 50,000 Hours

## 5) Solar Water Heaters

Pressurized / Non Pressurized



An average 4 persons family spends over 25% of its electricity bills on water heating. This share may shoot up further in case of commercial & industries users. While the cost of solar water heater can be easily re-cooped within a short duration with the amount of saving you make, an effective solar water system will: Provide almost all your hot water needs Cut a major part of electricity, gas or woods bills Save tonnes of greenhouse gas emissions every year.

### Advantages of using Solar Water Heater:

- Save thousands on electricity, gas, fuel bills
- Higher temperature
- Extremely long life
- Negligible maintenance
- In-Built power backup
- Environment friendly
- Capacity to suit your needs
- Reasonable prices
- Get Tax Benefits on commercial usage
- Get electricity rebate on domestic usage

## 6) Water Treatment Chemicals



Water Treatment Chemicals

SMES are dealers for wide range water treatment chemicals:

- Coagulants
- Flocculants
- Filter Aids
- Sludge Conditioning
- PAC
- DAP
- Alum
- Polymers
- Filter Cloth
- Acids/Alkali
- Lime
- Polyelectrolyte
- Urea
- Sodium Hypochlorite

## 7) RO & UF System

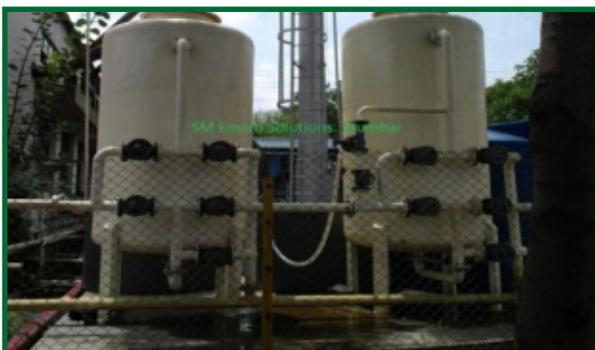


We having experience of over a decade, we have goal of providing high quality service worldwide. We are unique with combination of Knowledge & Experience in Water Treatment. We provide comprehensive spectrum of technologies for producing all grades of Water required in Process, Testing Lab, R&D, Production, Hospitals & Drinking.

### **This concept offers several benefits:**

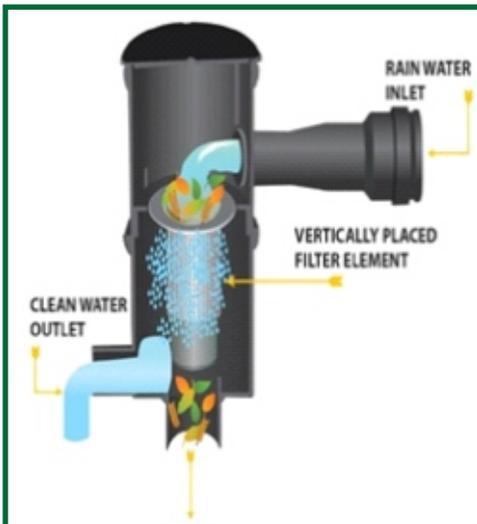
- It allows installation of a complete water system in minimum amount of space with tap water feed & power supply.
- It eliminates the need for central water purification systems and the associated water delivery loops which may be complex, expensive, difficult to maintain and to extend.
- It gives the users of the water system complete control over all water purification steps and the final water quality.

## 8) Water Treatment Plants



Water treatment is any process that makes water more acceptable for a specific end-use. The end use may be drinking, industrial water supply, irrigation, river flow maintenance, water recreation or many other uses including being safely returned to the environment. Water treatment removes contaminants or reduces their concentration so that the water becomes fit for its desired end-use. **SMES** has wide range industrial quality of water treatment plants, chemicals & spares.

## 9) Rain Water Harvesting Filters for Rooftop Water Collection



Technical Specifications & Parameters of various models of Rainy FL Series Dual Intensity RWH Filter				
	Rainy FL-100	Rainy FL-200	Rainy FL-300	Rainy FL-500
Suitable up to roof area:	110 SQMTRS	225 SQMTRS	350 SQMTRS	500 SQMTRS
Max: Intensity of Rainfall:	75 mm/hr	75 mm/hr	75 mm/hr	75 mm/hr
Working Principle:	Cohesive Force & Centrifugal force			
Operating Pressure:	Less Than 2 feet of head (0.060kg/cm <sup>2</sup> )			
Capacity:	105 LPM	225 LPM	340 LPM	480 LPM
Filter Element:	SS-304 Screen	SS-304 Screen	SS-304 Screen	SS-304 Screen
Mesh Size:	250 Microns	250 Microns	250 Microns	250 Microns
Inlet:	90 MM	110 MM	110 MM	110 MM
Clean Water Outlet:	63 MM	75 MM	90 MM	90 MM
Drain Outlet:	90 MM	90 MM	90 MM	110 MM
Housing:	High Density Polyethylene			
Efficiency of Filter:	Above 90 %	Above 90%	Above 90 %	Above 90%
Source of power:	Gravity	Gravity	Gravity	Gravity

### Function of the Filter

Rainy filters are designed with self cleaning mechanism and can be fixed to the wall by connecting Rooftop rainwater drain pipes. The rainwater along with dirt particles enters into the inlet of filter through the hollow pipe tangentially to the filter housing and rotating slowly along the periphery of upper housing so as to flow into the SS 304 filter element placed in lower housing of the filter unit in angular motion at specific velocity, which creates cohesive force and segregates dirt particles and clean water individually. However when the intensity of rainfall increases the high volume of water moves in circular motion with high velocity in the upper housing and creates a centrifugal force. In both situations, involving low and high intensity of rainfall, the working principle of the filter based on cohesive and centrifugal force respectively, aids the filter element to divert clean water into the cistern/ recharging well and simultaneously flushes out automatically sand, debris, and dirt particles through the drain outlet.

### Advantages

- By storing of water in the sump & reutilizing, around 35% of the annual requirement of a household can be met. Thereby a considerable amount on the water and power bill can be saved.
- Dependency on water tankers, ground water and corporation water can also be much reduced
- Recharge of Groundwater, replenishes the deeper layers of the earth's crust which in turn insulates the earth from rise in temperature, reducing global warming
- Reduces loss of top soil, surface runoff, thereby avoids silting of ponds and lakes
- Reduces hardness, salinity and TDS contents in the bore well
- Seawater ingression can be checked in costal line
- All materials used in this Technology are eco-friendly and recyclable
- Reduces significant carbon foot prints
- Technology works on the Gravitational Principle
- Reducing the Pumping of water from distant places, deeper depths & Movement of Water Tankers
- Checks overexploitation of groundwater source.
- Prevents water logging in low lying areas.





## CONTACT US



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