

*Conserve Water
Conserve Life*



SKV Mercantile- Know Us

Whatever amount we are saving for future of next generation, they will pay the same amount for whatever is freely available to us.



Carrying Forward the Legacy

Shri Balaji Enviro has been a prominent name in the water recycling business for the past nineteen years. Group has a rich history of visionary leadership and unwavering determination in the face of changing conditions and challenges.

Mr. Vinay being proactive with a clear vision of saving the Nature by renewing the most precious element of earth called Water. He came out with a vision that someone need to take the corrective action before it's too late, because "knowing the worth of water post the well runs dry is of no use"

The group had its beginnings in 1999, and since its inception Shri Balaji Enviro strived for 19 years to find harmony with nature by cleaning and renewing water by installing and offering maintenance for sewage treatment plants. We came into the business as a motivated and dedicated enterprise with skilled labours having prior experience of more than 7 years in waste water treatment. Shri Balaji Enviro becomes SKV Mercantile for various good reasons and a new vision in mind.

Humble Beginnings SKV Mercantile

Every Business story begins to encounter a problem and when it comes to industry, story becomes more interesting and challenging too. SKV mercantile is the name which had a vision of solving the concern of water scarcity in our country as water is the purest natural resource provided by God to us and Human Beings are not considering the value of water and the worst thing is that 70 percent of wastes of our industries are dumped untreated into waters which pollutes or contaminates our water supply and hence slowly and steadily solution became passion.

We at SKV mercantile are very passionate towards growth of our country. We thought of doing something for our society while working to earn. We understand that industrial growth is the backbone of any economy but it should not come at the cost of Nature. With a deep dig around problems of society we came to conclusion that urgency of saving water and conserving our nature is the need of the hour.

Considering the algorithm of "Demand and Supply", we are still running out to fulfill the requirement of water in few regions. As per calculations, we will be unable to supply water to our next generation by 2050. Everything comes at a price and when we talk about nature it is actually priceless. We use various natural resources to make our life



TURNKEY INSTALLATION

Turnkey Installation is the future in Waste Water Management industry. In Turnkey Installation entire project for design to build and to operate for a successful and smooth operation is handed over to an expert. SKV mercantile is a trusted name when it comes to Turnkey Installation or Management. We are serving various industries in public and private sector with a success rate of 100%. We have a team of experts to provide end to end solutions starting from Concept till Management. Our highly skilled and experienced technicians design and implement the custom base solution keeping the need in their mind. When it comes to Turnkey Projects SKV Mercantile believes in discussing the solution and sharing the expert advice for a cost effective solution.

When it comes to Turnkey Project we take over the project and provide end to end solution which includes:

- Survey by team of experts for the project to be installed
- Designing the concept for Turnkey project
- Selecting the right equipment based on requirement
- Complete paper work for license and approvals
- Installation and testing
- Training to the technical team
- Monitoring or management of the project
- Compliance testing and regular monitoring



Key Points- SKV Mercantile:

- End to End Solutions
- Expert and qualified team to manage and monitor the project
- No storage cost
- No need to manage stock
- Cost effective solutions
- 100% Genuine parts and accessories
- Technical support
- Training support
- Complete handholding of the project.

Installation, Management and AMC

We work for both ways as we design, implement and install the project and train your team to handle the project. We also give time to time training and let them update with new technologies for best results all the time. Apart of that we have the option to manage the entire project at our end by the team of experts. Our team of technical employees works under the supervision of industry best experts to generate the best results without any hassle. We take over already running projects also and cover them under over various AMC plans based on your requirement. Our AMC plans can be designed as per the industry or plant requirement. We also provide service and maintenance of the plants or electric motors. Our solutions are reliable, fast and trusted by hundreds of industries in public and private sector. Our team is capable to repair and service for any model or brand of motor. Our service and maintenance comes with a guarantee period also depending on the type of motor.



TURNKEY INSTALLATION

Today almost every industry is deciding on "Turnkey Installation" of waste water management system. Turnkey installation gives the benefit of hassle free task completion as a team of experts take charge to design, install and manage the entire system. SKV Mercantile has effectively finished various Turnkey ventures for public and private customers giving a start to finish arrangement including Custom concept building, Design, Erection and Commissioning, common, plumbing and Electrical controls, the key properties being proficient plan, profitability enhancement and cost decrease frameworks.

At SKV Mercantile we ensure you the best in class services at cost effective price.

FRP layering of the STP, ETP tanks

- Survey by team of experts for the project to be installed
- Thick layer of the frp at inside walls
- 100% Leak Free
- Zero Error Installation
- Installation and testing
- Training to the technical team
- Monitoring or management of the project
- Compliance testing and regular monitoring



Panel work at STP, ETP Plant

- Smooth Panel Installation
- Complete Technical Support
- It is sturdy in construction and it has long service life
- High performance with low maintenance cost
- LED indicators to simplify operational understanding
- Training to the technical team
- Built-in safety and protection features
- Very user friendly interface for operators



WASTE WATER TREATMENT PLANT

SEWAGE TREATMENT PLANTS

Waste Water treatment incorporates physical, chemical and biological processes which treat and remove contaminations from water following human and industrial use. The objective of the treatment is to produce both a clean waste stream (and treated effluent) suitable for discharge or reuse back into environment and solid waste or sludge also suitable for proper disposal reuse. This material is often inadvertently contaminated with toxic organic and inorganic compounds.

Sewage is the wastewater released by residences, businesses and industries in a community. The goal is to reduce or remove organic matter, solids, nutrients, disease-causing organisms and other pollutants from wastewater. Typically, sewage treatment is achieved by the initial physical separation of solids from the raw wastewater stream followed by the progressive conversion of dissolved biological matter into a solid biological mass using indigenous, water-borne bacteria. Once the biological mass is separated or removed, the treated water may undergo additional disinfection via chemical or physical processes. This 'final effluent' can then be discharged or re-introduced back into a natural surface water body (stream, river or bay) or other environment (wetlands, golf courses, greenways, etc) The segregated biological solids undergo additional treatment and neutralization prior to proper disposal or re-use.

The various stages of treatment are as:

Screening and Equilisation: Waster water flows through a bar screen chamber & oil & Grease Trap where large particles, oil & grease is separated. The equilization tank is provided to nuetralise the peak flows and maintains a constant flow of the plant.

Aeration: From the equilization tank, the waster is transferred to the aeration tank where it will be mixed with living organisms also called MLSS (Mixed Liquor Suspended Solids) in presence of air. The aeration system shall be designed in a way so as to achieve complete mixing of organisms with raw sewage.

Clarification: From the aeration tank this mixed liquor passes into the secondary clarifier where the excess sludge is separated from the liquid.

Disinfection: The addition of a chlorine solution kills any pathogenic microscopic life, such as bacteria or viruses.

Filtration: Any remaining particles are trapped and removed during filtration. The alsmost clear water from the



WASTE WATER TREATMENT PLANT

SEWAGE TREATMENT PLANTS



Sewage Treatment Plant (MBBR)

Moving Bed Biofilm Reactor (MBBR) Sewage Treatment Plant is an excellent solution for various waste water treatment applications such as BOD reduction, nitrification and total nitrogen removal.

Features:

- High rate biodegradation
- Minimal maintenance Compact design
- Capacity can be easily upgraded
- No return activated sludge stream required

Sewage Treatment Plant (MBR)

Membrane Bioreactor (MBR) Based Sewage Treatment Plant is an excellent solution integrated with two proven technologies, biological that enhances biological treatment and physical that includes immersed membrane filtration systems.

Features:

- Leading Edge package sewage treatment plant
- Reduce sludge yield
- High removal efficiency for BOD & COD
- Better control of biological activity



Sewage Treatment Plant FRP

FRP Sewage Treatment systems are compact, modular and can be used in a decentralized manner for proper treatment of wastewater. It not only treats sewage, but it generates lots of water for use like irrigation, gardening etc. It is working with MBBR technology to achieve BOD <30 mg/l which results in absolute odorless water good enough for gardening and similar purposes.

Features:

- Light weight, convenient to transport
- Integral construction, no need assembly
- High compression strength, Reliable and Cost effective
- Consistent efficiency and 90-95 % BOD reduction throughout
- Sludge handling once between 12 to 18 months



WASTE WATER TREATMENT PLANT

EFFLUENT TREATMENT PLANT

SKV Mercantile System has developed a fabricated hybrid wastewater treatment plant with both type aerobic and anaerobic solutions with new and successful technologies like MBBR/SAFF/FAB/UASBR/SBR etc. Industrial effluent is treated in order to reduce BOD, COD and TSS to meet the standards of Pollution Control Board norms for of the same All our effluent treatment plants incorporated with superior quality raw material like mild steel or stainless steel. These plants are constructing in RCC or Civil as per the design data On the basis of raw material we provide the in different type as per the available area.

- Completely Fabricated (Mild Steel)
- Completely RCC or civil constructed
- Partially Fabricated / Partially RCC / Civil Constructed

Key Features

- Less space requirement / Compact Model
- Designed to meet the standard parameters as per PCB
- Modular Plant / Easy to move
- Most Conventional Technology-MBBR
- Less Man Power Requirement to maintain
- Zero uiquid Discharge on the basis of requirement

CAPACITY
5 KLD to 1 MLD

ZERO DISCHARGE
PLANTS
AVAILABLE

UF & RO PLANTS
AVAILABLE

Advantages of MBBR

- A continuous Process
- Most effective and successful
- Large Operational Flexibility
- Easy Sludge Handling
- Most Sustainable
- Less Maintenance & Operating cost



WASTE WATER TREATMENT PLANT

EFFLUENT TREATMENT PLANT

An Effluent Treatment Plant Contains Following Components

- Screening
- Oil & Grease Trap/Pit & Separator
- Equalization
- Reaction Tanks – Flash Mixer & Flocculate
- Tube Settlers/Clarifiers
- Aerobic Bio Digester – MBBR
- Multi Grade Sand Filter
- Activated Carbon Filter
- Ultra Filtration Unit
- Reverse Osmosis Unit
- Multistage Reverse Osmosis Systems
- Forced Air Based Evaporation



An Effluent Treatment Plant Contains Following Components

- Textiles (Mercerizing, Dyeing Washing & Printing Units)
- Dairy Industries
- Food Processing Units
- Auto Mobile Industries
- Distilleries & Breweries
- Beverage Industries
- Oil & Petroleum Industries
- Residential Apartments and Hotels
- Paper & Pulp Industries
- Phenol Industries
- Rice Mills
- Rubber Industries
- Tanneries
- Sea Food Processing Units
- Laundries
- Vegetable & Fruits Washing
- Pet FlaKes Washing



SKV Mercantile- Why Choose Us



High end Technologies

Intentionally or unintentionally, we are planning to feed our next generation polluted water through Domestic waste, Agricultural Waste and industrial waste, out of which few ratio of agricultural and domestic waste is biodegradable but industrial waste is not easily biodegradable. Here SKV Mercantile plays a vital role in making the waste water usable and potable through their waste water treatment technologies. These technologies filter and remove the contaminants like sewage and chemicals from waste water.

Core Expertise:

SKV Mercantile believes in a simple theory of life which is “Conserve Water, Conserve Life”.

Based on this theory, we have built our expertise in:

Turnkey Projects:

We have the expertise in installing the new projects, completion of half done projects or repairing of existing projects. With us your treatment plant will be in safe and professional hands.

Sewage Treatment Plants:

Every industry not only looks for the best Sewage treatment plant but also look for best out of the waste. We are expert in FRP, MBBR and MBR.

Effluent Treatment Plant:

ETP is one of the methods which are used to purify industrial water waste to make it reusable and environment friendly. ETP process not only recycles water but it reduces cost also. ETP Plants are used commonly in industrial sector. We have a team of professionals who are expert in ETP installation.

Commitment

We at SKV Mercantile work in the core area of installation and maintenance for waste water treatment plants. Our experience, customization and cost effective solutions in making waste water treatment plants makes us a reputed and trusted company in the field of Waste Water Management. We believe in delivering what we commit.

Goal

We are on a mission to excel in developing clean ecosystems in all phase of the country keeping in mind the global hazards and scarcity of water. We have a clear and define vision to be globally recognized in the area of providing solution of water treatment and giving back to the society.

- Cost effective solutions • 20 years of Expertise • Team of Professionals
- Legacy of Trust • Customized Solutions • Eco Friendly





SKM
MERCANTILE





SKV
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