



# MINARVA ENTERPRISES

(AN ISO 9001:2015 CERTIFIED COMPANY)

*"Water Is Life, Save It"*



Water is the precious gift of nature to the mankind but most misused. Early steps for water management would be necessary to avoid water crisis and traditional thinking of water management only whenever there is too little or too much of it. Now water utilization in the industries is increasing. Optimum utilization of water in the various sections and the reutilization of it will prove to be the most significant steps towards the conservation of water resources.

## ABOUT US

**MINARVA ENTERPRISES** is a widely recognized organization that is flourishing and prosperously thriving in domain of trading, wholesaling and servicing a tremendous range of Water Treatment Plants, Waste Water Treatment Plants, Cooling Towers and Water Treatment Chemicals, Commercial Chemicals since 2004. We are holding a rich experience in our respective field and are able to provide all types of sales and services in all types of water treatment plants, PPR pipelines for water, air and gas. We also trade in all types of cleaning products, Fire Extinguishers. We are fostering the advanced and modernized techniques involved in servicing to face the cutthroat competition prevailing in the global market. There are some of the dominant factors that are associated with our organization which distinguish us from our competitors and provide excellence to our service. They are listed below:

- Competitive prices
- Customized services
- Sophisticated techniques
- Enormous industry experience
- Excellent after sale/monitoring services

## OUR MISSION

Our mission is to grow as a trustable, ambitious and fearless organization, whose strength lies in technically strong sales and services team to provide quality products with complete customer satisfaction. We will achieve this mission by constant improvement in quality and technology along with customer support.

## PLANTS

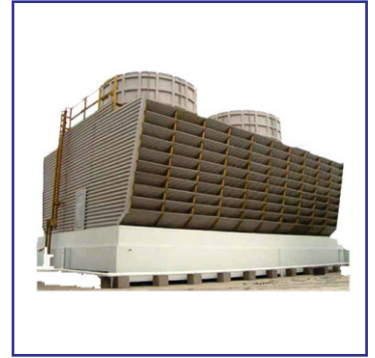
We supply water treatment plants like Clarifiers, Pressure Sand Filters, Activated Carbon Filters, Cartridge Filters, Bag Filters, Iron Removal Filters, Water Softeners, Demineralization Plants, Reverse-Osmosis System, Effluent Treatment Plants, Sewage Treatment Plants, Scrubbers, Degasser, Chemical Dosing Systems & Cooling Towers.



## PLANTS

### COOLING TOWERS

We supply wide range of cooling towers for cooling applications as per our customer's requirement. The primary use of large industrial cooling towers is to remove the heat observed in the circulating water system used in power plants, petrochemical industries, food processing units, oil industries, automobile industries, pharma industries, chemical plants and other industrial facilities. A common application for cooling towers is for providing cool water for HVAC (Heating, Ventilating and Air Conditioning) and for industrial use. We supply Natural draft and Forced draft cooling towers i.e. FRP & timber cooling towers.



### CLARIFIERS

We supply wide range of clarifiers for various range of settling applications as per our customer's requirement. These clarifiers are used for removing and settling of suspended solids from raw water, sewage water, effluent water and waste water.

### PRESSURE SAND FILTERS

We provide a wide range of Pressure Sand Filters easy to operate with minimum pressure drop by using of sand media and gravels or anthracite. To remove turbidity and TSS from raw water used in various industries.

### IRON REMOVAL FILTERS

For operators of industrial facilities, MINARVA provides effective treatment programs for reducing heavy metals in waste streams and raw water to help & ensure regulatory compliance.

The dissolved ferrous iron salts are converted into insoluble ferric salt and precipitated over the filter bed and then the iron free filtered water comes out. Only back washing with clear water and compressed air is required for cleaning the bed.



### ACTIVATED CARBON FILTERS

The Activated Carbon Filters are generally used in water treatment process for removing odour, colour, free chlorine and organic compounds. We supply ACF easy to operate in various places as per the application of clients.

### ULTRA FILTRATION PLANT

We supply UF plants which is easy to handle. UF plants are used in pretreatment of RO plant & post treatment of waste water treatment plant. UF is membrane technology process which removes solid dissolved impurities from 0.001 micron membrane.

### CARTRIDGE FILTERS

Our range of Micron cartridge filters are one of the best selling products. These are used in treatment systems for getting super clarity and extra sparkled water, which is filtered by a conventional sand filter. Micron cartridge filters have the ability to easily separate Colloidal matter, sand particles and many others.

## WATER SOFTENERS

We offer a wide range of water softeners easy to separate the hardness ions in very low cost. Water Softeners are used to reduce the concentration of calcium, magnesium and other heavy ions in hard water.

The water to be treated passes through a bed of the resin. The resins initially contain univalent sodium ions, which exchange with divalent calcium and magnesium ions in the water. The more sodium ions are released from the resin into the water. As these resins become loaded with undesirable cations they gradually lose their effectiveness and must be regenerated.



## CHEMICAL DOSING SYSTEMS

Chemical dosing systems are designed to do the accurate quantity of chemical dosing to the stream. These systems are used for dosing chemical like Boiler Water Treatment Chemicals, Cooling Water Treatment Chemicals, ETP Treatment Chemicals, Chlorine, Acids, Alkaline, Alum, SMBS, RO Antiscalant & others.



## DEMINERALIZATION PLANTS

We offer a wide range of demineralization plants as per client's specifications. The plant is designed in such a way that it removes TDS from the raw water. It consists of one or more ion exchange resin columns, which include a strong acid cation, strong base anion and mixed bed unit. We also provide packaged DM Plants, De-Alkaliser, Two Stage & Multi-Stage DM Plants, Mixed Bed Demineralization Unit, De-Gasifiers, Cation Polishers and Manual/Automatic Plants.



## REVERSE OSMOSIS SYSTEM

Our Reverse Osmosis Systems are extensively used to remove TDS from the raw water. We are using advance membrane technology in our RO's to allow water to pass through a semi permeable membrane. This design maximizes flow while using semi permeable of 0.0001 micron gauge module size.



## SCRUBBER

We offer a wide range of scrubber system. It is a type of pollution control equipment that is designed to remove harmful gases and particulates from industrial exhaust streams.



FMCG

HANDWASH

FLOOR CLEANER

BLUE TOILET CLEANER

WASHING POWDER

DISH WASH

PHENYL



## SEWAGE TREATMENT PLANT

Sewage Treatment Plant can be located close to in septic tanks or collected and transported via a network of pipes and pump stations to a municipal treatment plant.

We offer Packaged Sewage Treatment Plant as well as conventional plants for the requirement of the Customers and based on the capacity. The Packaged Sewage Treatment Plants are specially designed and manufactured for the treatment of lesser quantities of sewage water from 5 m<sup>3</sup>/day to 1000 m<sup>3</sup>/day. The clients can avail both skid-mounted and without skid-mounted type of our Sewage Treatment plant. We offers STP to the following peoples like various Industries, Hotels, Malls & Multiplexes, Schools & Colleges, Corporate offices & Housing Apartments etc.



## EFFLUENT TREATMENT PLANTS

We offer a wide range of industrial effluent treatment plants for application in paint shop, dairies, paper mills, oil refineries, leather industry, glass factories, automobiles, chemical and processing industries, etc. These industrial effluent treatment plants are designed to provide a pollution free working environment and recycle the water for other applications. All the effluent treatment plants strictly comply with the design specifications laid down by the regulatory authority. The industrial effluent treatment plants involve different stages of treatment including physio- chemical treatment and biological treatment followed by tertiary treatment. An integrated function with simple control makes the operation much easier. Our engineers can also customize the design of effluent treatment plants based on the specific application and its requirement as per the customers.



## PPR & PPR-C PIPELINES

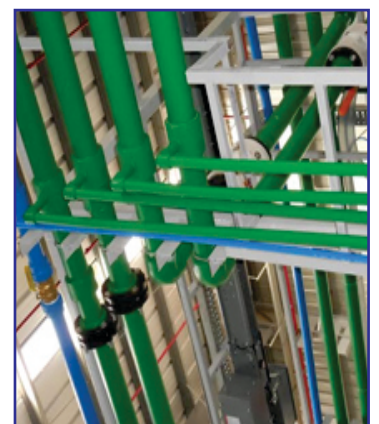
We supply & install all types of triple layer PPR & PPR – C Pipeline

The triple layer Consists of:

- Upper layer is UV Stabilized
- Middle layer is made up of glass fibre
- Inner Layer is Anti-microbial, smooth & clean

Advantages :-

- Extremely long life, 50 years of service life
- Good Chemical Resistance & physically neutral
- No need for insulation for concealed piping networks
- Resistance to High Temperature (95 °C)
- Convenient & Reliable Installation
- No Reaction with Salts & Acids
- Leak Proof & Frost Proof
- Unique and un-rivalled jointing technique with security for lifetime
- Smooth Inner Surface
- Recyclable - Prevents Environmental Hazards



AIR PIPELINE

WATER PIPELINE

GAS PIPELINE

## CHEMICALS

### WATER TREATMENT CHEMICALS

We are supplying Water Treatment chemicals of MAHACHEM SYSTEMS PVT. LTD. for the waterside of your operations. Our supply of products include water treatment chemicals for cooling water system, boiler water, Effluent Treatment Plants, Sugar processing industry and Paper Slimicides applications such as corrosion inhibitors, dispersants, scale control agents, biocides, oxygen scavengers, precipitating agents, solubilizers, and neutralizing/film forming amines, rust remover, descaling chemicals, fire side chemicals, membrane cleaner, RO Antiscalent & cleaning products. In addition, we have developed a series of chemicals to improve boiler combustion efficiency to prevent high temperature-zone corrosion, and to impede the formation of fireside residue deposit. In addition to traditional treatment programs, MAHACHEM SYSTEMS PVT. LTD. offers alternative solutions encompassing new technology, which will not only solve your water problems, but will also, allow you to meet your environment discharge objectives.



#### Cooling Tower Chemicals

- \* Antiscalant
- \* Oxidizing Biocide
- \* Non- Oxidizing Biocides
- \* Chiller Chemical
- \* Corrosion Inhibitor
- \* Dispersant
- \* De-Alkalizer
- \* Disinfectant Chemicals

#### Boiler Chemicals

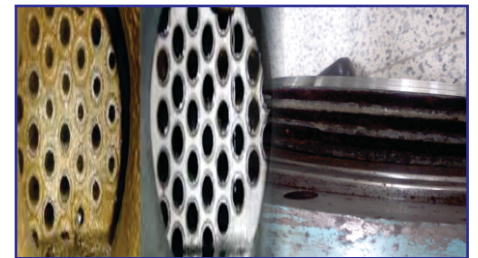
- \* Sludge Conditioner
- \* Antiscalent
- \* Oxygen Scavenger
- \* Alkalinity Builder
- \* Corrosion Controller
- \* pH Booster
- \* Fire Side Treatment Chemicals

#### RO Cleaning Chemicals

- \* Biological Fouling Cleaning chemical
- \* Calcium Remover
- \* Iron Deposite Remover
- \* RO Antiscalent
- \* RO Membrane Scale Inhibitor
- \* High Silica Scale inhibitor

### DESCALING CHEMICALS

Descaling chemicals for Cooling Tower, Boiler, Heat Exchanger, Water Jacket, Hot Water Generator, Condenser, Chiller, Die Mould & all type of fluid machines.



### LAB CHEMICALS

We supply all types of lab chemicals & equipments

### COMMERICAL CHEMICALS

We supply all types of commercial chemicals like HCl, Caustic soda, Nitric, Phosphoric, Caustic Lye, Urea, DAP, SMBS, Polyelectrolyte, sodium hypo chlorite Resin, Alum, Lime & etc.



## FIRE EXTINGUISHER

We supply all types of fire extinguishers & accessories, Refilling & AMC for all types of fire extinguisher like clean agent based fire extinguisher, Powder based fire extinguisher, Water & foam based fire extinguisher, Automatic modular fire extinguisher, Trolley mounted water & foam based fire extinguisher



## SPARES



## Our Clients



-: Channel Partner of :-



**MAHACHEM SYSTEMS PRIVATE LIMITED**



**Shreeharikrishna Group**

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