



**skswater**  
Technologies

Water is life.. Preserve it.



**COMMERCIAL**  
Water Treatment Solutions

[www.skswater.com](http://www.skswater.com)

# What's

Wrong with your water

Let's Find Out

## EVEN THOUGH YOUR WATER SEEMS TO BE CLEAN

*There is much more inside your water*

### TASTE & ODOUR

Taste and odor in water can be caused by foreign matter such as organic materials, inorganic compounds, or dissolved gasses. These materials may come from natural, domestic, or agricultural sources

### COLOUR

Colour/Turbidity is a measure of the amount of suspended particles in the water. Algae, suspended sediment, and organic matter particles can make the water more turbid.

### TDS

TDS means concentration of dissolved particles or solids in water. TDS comprises of inorganic salts such as calcium, magnesium, chlorides, sulfates, bicarbonates etc, along with many more inorganic compounds that easily dissolve in water.

### MICROBIAL

Total coliform bacteria, fecal coliform bacteria, and E.coli are all considered indicators of water contaminated with fecal matter.



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# Water Solutions

For Commercial Purposes



## Water Treatment Plants

Water Purification is the process of removing undesirable chemicals, biological contaminants, suspended solids and gases from contaminated water and makes it more acceptable for a specific end-use. The end use may be drinking, industrial water supply and medical use

The method of purification includes physical processes like filtration, sedimentation and biological processes such as sand filters or carbon filters, chlorination and the use of Ultra Violet radiation. The purification process of water may reduce the concentration of contaminant matters including suspended particles, bacteria, algae, viruses, fungi and also dissolved solids.

## Sand Filter

Sand filtration is a process in which the treatment of the water is realized by the 'porous' nature of a sand layer which traps particles present in water. Sand filters are widely used in water purification and remove suspended matter by a completely different mechanism. A sand filter, makes use of sand to filter water. The water to be purified slowly sinks through the sand of the sand filter, leaving the dirt particles from the water behind in the fine pores of the sand. The unfiltered water is distributed in the top of the sand filter and will slowly sink through the filter bed. This filter bed consists of sand, gravel or another filter medium. The small pores ensure that the dirt particles are not able to pass through and retain the dirt particles.

## Iron Removal Filter

The Iron Removal Filters are designed to remove the Excess Iron content present in the Water. Iron can often be detected visibly in water or by staining on plumbing fixtures. Iron filtration systems operate on the principal of oxidizing the iron (oxidation) to convert it from a ferrous (dissolved or soluble) to a ferric or undissolved state. Once the iron is converted to ferric state, it is precipitated on a filter bed.

## Water Softening Filter

The presence of excess minerals such as calcium and magnesium make water hard. Hard water leads to a variety of problems such as foul plumbing, Scaling, galvanic corrosion, dry skin, and brittle hair. Hard water is converted into soft water by exchanging hard salts of calcium and magnesium with sodium using an ion-exchange process. This is done with the help of resin beads charged with sodium salts, which attract hard salts and convert them into soft salts.

## Multigrade Filter

Multigrade filter is a depth filter that makes use of coarse and fine media mixed together in a fixed proportion. This arrangement produces a filter bed with adequate pore dimensions for retaining both large and small suspended particles.

## Activated Carbon Filter

The Activated carbon Filters are designed to remove free chlorine, organic matter, odor and Color present in the raw water and waste water. Due to its high degree of micro porosity, activated carbons provide a huge surface area. Activated carbon filter operates through adsorption. Adsorption is directly related to the surface area of the media. This great surface area furnishes a huge adsorption area for organic as well as chlorine molecules to attach themselves. Various grades of carbon are available for specialized treatments.

## Ultra Filtration (UF)

Ultrafiltration (UF) is a type of membrane filtration in which hydrostatic pressure forces a liquid against a semipermeable membrane. Suspended solids and solutes of high molecular weight are retained, while water and low molecular weight solutes pass through the membrane.



# Water Solutions

For Commercial Purposes

## RO Treatment Systems

Reverse Osmosis is the most effective method of reducing higher TDS and removing 90% to 99% of salt contents. Reverse Osmosis can remove dissolved salts and is used in both industrial processes and the production of portable water, compared to other salt removal technologies, it is relatively inexpensive to purchase and operate. Our RO Systems guarantees maximum recovery, less operating cost, long time reliability and best performance. We are leading manufacturer and supplier of commercial RO System in south India.



## UV Purification

In UV water disinfection technology, Ultraviolet light of wavelength 253.7 nanometers is used for disinfection of bacteria, viruses, molds, algae, and other microorganisms, which multiply and grow. UV disinfection technology destroys the DNA of microorganisms which leaves them dead and unable to grow further.



## DM Plants

We offer the Demineralized Water Plant to our clients. Demineralization is the process of removing mineral salts from water by using the ion exchange process. In Two Bed DM Plant, Strong Acid Cation Exchanger and Strong Base Anion Exchanger resins are used for reducing Total Dissolved Solids. The term demineralization is typically reserved specifically for ion exchange processes used for near total removal of ionic mineral contaminants. Demineralized water finds wide application in the fields of steam, power, process and cooling. We have a several successful installations in Laboratories, Automotive industries, Pharmaceutical industries, Electronics industries, refineries, etc..



# Water Solutions

For Domestic Purposes

## Domestic Water Treatment Plants

SKS Water Treatment Plants Providing effective solutions for drinking water supply for your home. We provide treated water that eliminates harmful bacteria, sediments and turbidity. This system provides clean and fresh water through every tap points. Thus we keep your family safe. With our experienced technicians we are able to find proper solution even for the most demanding needs.



Service Warranty



CAPACITY: 1000 LPH  
and above



AMC



Servicing &  
Media Revamping.

## SKS Water Purifiers

We are specialized in offering a broad range of premium quality Domestic Water Purifiers. These products are not only of premium quality but also are high on performance. These systems are ideally installed at schools, homes, offices and several other places for the purpose of filtering water.



- ▶ RO
- ▶ UV
- ▶ UF
- ▶ TDS



6 STAGE FILTRATION

STORAGE CAPACITY FROM 10-15 LITRES

1 Year Warranty | Service Support

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# Other Supplies & Products

- Domestic and Industrial R.O Membranes
- R.O Membrane Housings, Pump and Spares
- Filter Vessels – SS, MS , FRP, Composite
- Dosing Pumps
- Ion exchange resin – Cation, Anion, MB
- Iron removal media – Katalox Light, Birm.
- Filter Media
- Antiscalent
- Micron Filters
- Jumbo Filters
- GAC & CTO carbon filters
- UV Lamps etc...



# Drinking Water Standards (BIS)

Parameters(mg/L)	Permissible
Colour	5 Hz Units Max.
Turbidity	1 NTU Max
pH	6.5 to 8.5
Total Hardness	200mg/L Max.
Iron	0.3mg/L Max.
TDS	500mg/L Max.
Calcium	75mg/L Max.
Magnesium	30mg/L Max.
Sulphate	200mg/L Max.
Chloride	250mg/L Max.
Bacteria(Coliforms & E.coli)	Absent

# Area's We Serve

*We serve almost all major segments*



## **Villas & Apartments**

Centralised water treatment system should be attached on each and every habitats . It ensures running pure water for the entire state of the art facility



## **Resorts, Hotels & Restaurants**

These use a lot of water – for guest rooms, pools, landscaping, laundry and other uses. In total, this accounts for about 15 percent of total water use in commercial and institutional facilities



## **Hospitals & Research Centers**

Because hospitals and healthcare facilities use so much water, it is likely they will come under greater pressure to develop procedures and systems that help reduce their consumption, We provide top quality water which is must for their daily needs.



## **Schools & Colleges**

Here we need good quantity of quality water because young people use more water for their general purposes than others. We assure your needs to be fulfilled.



## **Food, Beverage Industries**

To ensure the quality and purity of foods and beverages large amount of safe water is essential. To comply with this we introduce industrial water treatment systems.



## **Industrial Area**

Water use is a fundamental commodity for nearly every step of the manufacturing and production processes around the world. Whether it's deionised water for electronics and pharmaceutical sectors, or softened water for boiler feed applications.

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# About

## What with us.

**SKS Water Technologies** is a trusted, emerging and Eco-friendly water treatment company based in Kerala with its projects and services all over south India. Since 2009 SKS Water technologies have been in the market by giving gentle support to customers for providing high-quality drinking water through a series of nature-friendly water treatment processes.

**SKS WATER** has solutions for many of the water problems that may impact your premises. We are experienced in Domestic, Commercial, and Industrial projects. We have a working group of professional engineers for research, design, and after-sales services in the field of water quality management. Our goal is to deliver our customers safe, crystal clear water from different sources for their needs. We design WTP/RO/UV/UF/DM Plants, install and maintain water treatment and purification systems based on proper scientific analysis and technologies.

**SKS WATER'S** technical experts will analyze your water and recommend the right solution to bring you safe, filtered, and tasty water that you will love to use.

### Features



Well trained aqua engineers



Periodic servicing



Quality control department



AMC facility

**Sales contact : 9846477399 | Services contact: 8589012213**



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Technologies

**SKS WATER TECHNOLOGIES**

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