



*Appareillages Et Bancs Hydrauliques  
Chatelleraudais Private Limited*

# **Appareillages Et Bancs Hydrauliques Chatelleraudais Water Treatment**

*Water and Waste Water Treatment Services.*

## ABOUT US :

Established in 2002 with a intention of providing solutions for RECYCLING, REDUCING & REUSING Water and Waste Water from various domestic & industrial activities. ABC WATER TREATMENT. has grown to be a FRANCE leading solution provider for water and wastewater treatment with offices in FRANCE, INDIA, SINGAPORE & DUBAI.

Our team of highly skilled & dedicated Engineers, Managers, Consultants & Technicians is led by Mr. Christian Richard the President of the company who has deep knowledge & has 35 years of total experience in this field.

## VISION :

To be always France No.1 water & waste water treatment services company. Also strive to satiate the Client expectations by providing the best solutions & services in a minimal duration.

## ABC CORE VALUES :

- Caring for customer & employees
- Continual Improvement
- Quick Implementation
- Developing future leaders

We have understanding that our core values are nothing but the foundation of our organization and we mean to keep them intact during transformation of our organization.

## MISSION :

A Mission to make every human being to have an access to safe drinking water.

## QUALITY :

Pursuing highest standards and passing through stringent state wise quality checks ; ABC produces a product that satiates customer's expectation

## SERVICES :

A team of qualified and experienced TECHNICIANS is always on it's to provide any technical services to the customers round the clock. This ensures the utmost satisfaction of each customer, therefore an unbeaten faith of their in ABC.



## SAND / MULTIMEDIA FILTER :

Multimedia filter also called as mechanical filter is composed of deep-bed system with multi layers of media in the tank. The major media to be applied in the system of sand and anthracite. The lightest and coarsest material is located at the top layer of bed for the removal of the largest suspended particles, while the heaviest and finest one is located at the bottom layer of bed to remove smaller one present in the source water.

Multimedia Filtration is widely used in the water pre-treatment, which available with Automatic and / or manual operational features. The tank material fiber glass reinforced plastic and stainless steel & Mild steel.





## SOFTENER PLANT :

Softening by ion exchange resin is also known as Base Exchange softening. It is the most common and probably the easiest method of removing hardness like calcium & magnesium from water and renders the water suitable for utility purpose. As the name implies, ion exchange is a process, in which undesirable ions are exchanged for more desirable ions.

## PROCESS :

It consists of passing raw water containing hardness through a bed of cation resin in sodium form. The hardness ions Ca & Mg are taken up by resin and in exchange sodium ions are relinquished from the resin. Raw water will continue to get softened till the resin gets exhausted. Bringing back the resin to its original form is called regeneration. Softener resin is regenerated by sodium chloride.



## D.M. PLANT :

### **DM plant consists of two Beds (Cation & Anion)**

Water Quality (Conductivity) from Two Bed Outlet will be between 15 to 20 micro siemens. First raw water is passed through the cation resins column ( $H^+$  form), which converts all ionized to the equivalent mineral acids. Then Anion Resins Column ( $OH$  form), which absorbs these acids and finally gives De mineralized (Deionized) water. When resins are exhausted - the cations Resins are regenerated with Hydrochloric acid ( $HCl$ ) and the Anion resins are regenerated by caustic Soda ( $NaOH$ ) solution. So the same resins can be used over and over again to produce the DM Water.





## RO Plant : (Reverse Osmosis):

The ABC desalination unit uses the reverse osmosis process to remove dissolved solids from brackish or saline water. The process is continuous and requires no regeneration chemicals. The unit is factory tested and easy to install and operate. Treated water quality is continuously monitored by a Total dissolved Salt indicator.

### A) 95% - 99% OF THE TDS

Useful for Industries such as Food, Beverages, Pharmaceutical, Micro-Electronic, Aquaculture, Hospitals, Hotels, Mineral water etc Drinking Water, Food Processing, Medicine, Schools & Colleges, Bottled Water, Pharmaceutical, Residential, Beverages, Fruit Juice, Laboratories, Factories & Offices, Breweries & Wineries, Dialysis, Ice Making, Pathology Labs, Vending Machines, Wastewater.



## EFFLUENT & SEWAGE TREATMENT PLANT :

### EFFLUENT & SEWAGE TREATMENT PLANT (ETP)

is most cost Effective & Technically proven system to remove the unwanted, hazardous chemicals from the waste water to meets the statutory pollution control requirements, especially for chemicals, pharmaceuticals, phosphate and electroplating waste waters, society and bunglow waste water recycling.

We undertake turnkey project of various capacities as per the client's requirement.

### SALIENT FEATURES :

- Very cost effective : Less initial investment.
- Compact and proven design : required very minimum area for mounting.
- Quality products and piping items : special sludge pump and total corrosion free CpvC piping & FRP / Epoxy coated MS tanks.
- Water recycle : You can recycle treated water to some of your process applications
- Easy Operation and Maintenance : Plant is easy is operation and any unskilled person can operate it, after proper training.
- Flexible design : Starting from 500 Lit/day to 500,000 Lit/day capacities
- Recurring Expenses : Economical plant operating cost.





*Please contact us when you need any of our products.  
We guarantee you quality, price & prompt delivery.*



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