



# PH ENVIRONMENTAL SOLUTION

Regd. Office – A-251 SAWROOP NAGAR, DELHI -110042 | Work Shop :

PLOT 55/2&56/2 KH.NO 5/23 GROUND FLOOR GALI NO 7 SWAROOP NAGAR, DELHI-42

WATER IS LIFE

DON'T WASTE WATER



## **PH ENVIRONMENTAL SOLUTION**

**\_Work Shop :-** Plot No. 55/2&56/2 KH.NO 5/23 GROUND FLOOR GALI NO 7  
SWAROOP NAGAR, DELHI-110042 Contact :9311678416, 9990333645,  
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### **ABOUT COMPANY :**

**PH ENVIRONMENTAL SOLUTION** is a Venture of highly qualified professional and experienced personnel in the filed of Air, Water & Rain Water Harvesting. The Company has designed commissioned number of ETP, STP, Industrial R.O. & DM Plants on Turnkey Basis, the Consultancy Service include Basic Planning, Plant Designing, Complete Civil Design. We in **PH ENVIRONMENTAL SOLUTION** believe that any project executed for the cause of betterment of environment should have pleasing looks

### **AREA OF SPECIALIZATION**

- Effluent & Sewage Treatment Plant, Industrial RO & DM Plant of Various Capacities.
- Providing Consultancy for UPPCB NOC, CGWA NOC, Rain Water Harvesting System, Fire works, Central AC and their Certification Etc.
- Facility of Chemical Supply, AMC / CMC Services and Feasibility Reports for ETP, STP Plants.





# EFFLUENT TREATMENT PLANTS



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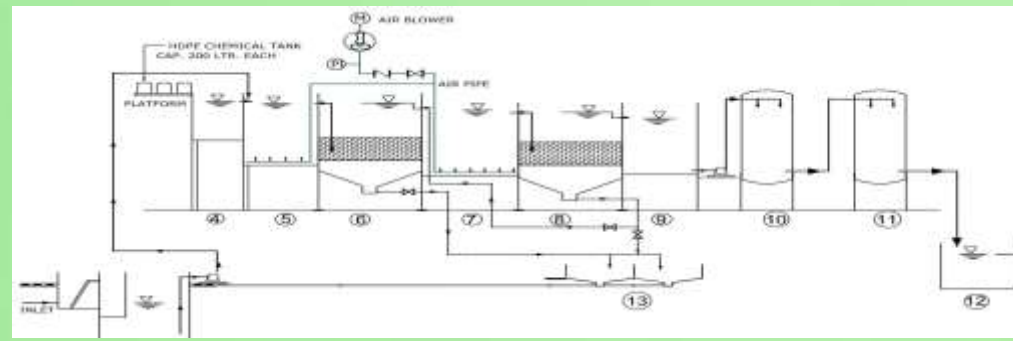
We Design, Manufacture, Supply, Erection and Commissioning of Effluent Treatment Plant (ETP) on Turnkey basis for various types and Natures of Waste Waters, Effluents which combines advanced physico- chemical treatment processes with tertiary polishing system for the removal of organic, inorganic, oil and grease, heavy metals & suspended solids.

Our methodology - We analyze the effluent samples for different effluent parameters as per nature and compositions, carry out the treatability studies by using different methods checking techno-commercial Feasibility and then designed treatment schemes, processes accordingly to suit the purpose and need.

Our ETP systems are very compact, tailor made designs, portable required very less foot-print to accommodate, energy efficient. The up-gradation, modification in the existing ETP system is possible to achieve desired limiting standard laid down by the State Pollution Control Board (SPCB).



PROCESS FLOW DIAGRAM – EFFLUENT TREATMENT PLANT:-



We Design, Manufacture, Supply, Erection and Commissioning of ETP CUM STP Plant (CTP) on Turnkey basis for various types and Natures of Waste Waters, Effluents & Sewage which combines advanced physico- chemical treatment processes with tertiary polishing system for the removal of organic, inorganic, oil and grease, heavy metals & suspended solids.

**Our methodology** - We analyze the effluent & Sewage samples for different parameters as per nature and compositions, carry out the treatability studies by using different methods checking techno-commercial Feasibility and then designed treatment schemes, processes accordingly to suit the purpose and need.

Our ETP CUM STP systems are very compact, tailor made designs, portable required very less foot-print to accommodate, energy efficient. The up-gradation, modification in the existing ETP CUM STP system is possible to achieve desired limiting standard laid down by the State Pollution Control Board (SPCB).



We Design, Fabricate, Supply, Erection and Commissioning of Sewage Treatment Plants (STP) for treating sewage generated by Industry, large colonies, Hotels, School, Colleges, Hostel, Universities, Hospitals, IT Parks and Commercial Buildings.

Nowadays, the Sewage Treatment Plant (STP) became statutory requirement of all the State Pollution Control Boards, Everybody, Whether Hotelier or Industrialist were looking for economical, easy to install and operate compact type Sewage Treatment Plant. Since the land is extremely expensive, very few industries could afford the large treatment units as recommended by most of the Consultants.

We are being pioneer in the field from last 6 years and always in the search of latest and techno-commercially viable technology, system by which the need of the society can be easily satisfied.







Reverse Osmosis (RO) is one of the most cost-effective methods of treating boiler feed water, cooling tower makeup water and industrial process water. Reverse Osmosis may also be used to produce Demineralized water, negating the need to handle and dispose of Hazardous Chemicals.

Our Industrial Reverse Osmosis systems are custom designed specifically for your water treatment needs by an experienced team of application, mechanical and chemical engineers. PH ENVIRONMENTAL builds the RO system using only high quality components that will provide reliable long-term operation. They arrive at your site hydrostatically tested and ready to produce water with complete documentation and operator training. We also provide the pretreatment equipment and chemistry required to ensure optimal performance and life span of your RO membranes. You can feel confident knowing that We have a full service support team available 24×7 to assist with any emergencies.



Demineralization is the process of removing mineral salts from Water by using the ion exchange process. Demineralised Water is Water completely free ( or almost ) of dissolved minerals as a result of one of the following processes : – Distillation, Deionization, Membrane filtration (reverse osmosis or nanofiltration), Electrodialysis Or other technologies. Demineralized Water also known as Deionized Water, Water that has had its mineral ions removed. Mineral ions such as cations of sodium, calcium, iron, copper, etc and anions such as chloride, sulphate, nitrate, etc are common ions present in Water. Deionization is a physical process which uses specially manufactured ion exchange resins which provides ion exchange site for the replacement of the mineral salts in Water with Water forming  $H^+$  and  $OH^-$  ions. Because the majority of Water impurities are dissolved salts, deionization produces a high purity Water that is generally similar to distilled Water, and this process is quick and without scale buildup. De-mineralization technology is the proven process for treatment of Water. Demineralized Water System finds wide application in the field of steam, power, process, and cooling.





## Industrial Blower:



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Centrifugal blowers: we provide complete range of industrial blowers with air capacity from 1000 CHM to 150000 CMN(M\*3/hour ) with motor range of 0.50HP to 150HP Presurre range fulfill by us is from 10mm WC to 150mmWC



## Axial Flow Fans:

In wall mounting? Tubular casing design with cast alloy aluminum impellers having fixed or Variable pitch angle aerodynamic blades for direct ? V-belt friven arrangement rotor Diameter 300mm to 1600mm performance 500CMH to 200000CMH up to 100mmwg static pressure





## Air handing units :



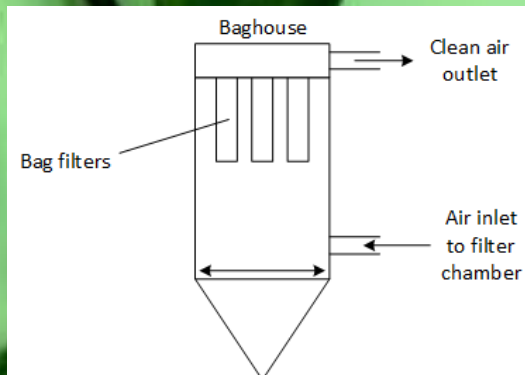
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In floor/ roof mounted designs both in horizontal and vertical configuration made out of plastisized GI Sheets , with puff insulation ,heating / cooling coils, imported backward/forward curved blower complete with motor, V-belts etc. In wide range of capacities from 2000m<sup>3</sup>/h to 100000 m<sup>3</sup>/h of ZECO / Equivalent make.



## Bag Filters

Filtration area 8 sq.m to 3000 sq.m Air flow 2000CMH to 200000 CMH



## Cyclonic Dust Collector :



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Size 400mm dia to 1800mm dia Air Flow 1000 CMH to 25000 CMH



## Blower's Impellers :





## Rotary air lock valve :



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Rotary feeders, also known as rotary airlocks or rotary valves, are commonly used in industrial and agricultural application as a component in bulk or specialty material handling system. Rotary feeders are primarily used for discharge of bulk solid material from hoppers/bins, receivers, and cyclones into a pressure or vacuum- driven pneumatic conveying system. Rotary air lock valve are available from dia 6 inch to 30 inch fabricated in MS, SS and Cast Iron



## Wet Scrubbers :

Scrubbers or wet collectors remove particles or gases from exhaust stream by using water sprays. Gases can be absorbed if they are water – soluble or by adding various chemical to the spray



## Ducting :



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Ducts are used in heating ventilation , and air conditioning(HVAC) , material conveying system and to deliver and remove air.



## Bag Filter Cage :







## PPGL TANK :-

PPGL (Pre-Painted Galvanized/Galvalume) tanks are versatile storage solutions primarily used for holding liquids like water, chemicals, and other materials. They are favored for their durability, corrosion resistance, and aesthetic appeal due to the pre-painted galvanized steel construction.

