



Pennar Group



PENNAR ENVIRO

Beyond Engineering

Water | Energy | Environment



Pennar Enviro is an ISO 9001:2015 certified organization committed to offering quality goods and services to its customers.



THE PENNAR GROUP

Pennar, more than Rs. 16 billion industrial corporation was launched in 1985 and now housed more than 1600 employees.

Pennar Industries, the flagship company of the Pennar Group, is a multi-product, multi-location enterprise manufacturing a wide range of engineering products for the infrastructure, railways, construction, pollution control and automotive sectors with an industry dominating presence.

The group has two subsidiary business entities in the board: PEBS Pennar and Pennar Enviro.

PEBS pennar, extending the excellence of the flagship company, is engaged in the design, manufacturer, supply and installation of Pre Engineered steel Buildings.

PENNAR ENVIRO

The Pennar is an ISO 9001:2015 certified, Public Limited Company, was incorporated in 1992 and has grown to be a pioneer in the field of specialty additives for solid and liquid fuels.

Having industrial experience of more than 25 years, today Pennar Enviro has expertise in water, environment and energy segments.

Pennar Enviro provides EPC, Standard Plants, Chemicals and O&M Solutions for clear and waste water treatment. With the state of the art Manufacturing facility in Mallapur, Hyderabad and with PAN India presence with Sales and Service office at Bangalore, Vadodara, Chennai, Hyderabad, Kolkata, Mumbai, New Delhi, Pennar Enviro caters to all customers across the Indian landscape.

Pennar Enviro's vision is to achieve a position of eminence in the area of Water, Environment and Energy.

TURNKEY SOLUTIONS

Pennar Enviro is into Water & Environment Infrastructure business to provide turnkey solutions viz., WTPs, STPs, ETPs, ERPs, ZLD Plants etc using various advanced & environmental friendly technologies in Industrial & Municipal segments.

Pennar Enviro has a Pan India presence and is presently growing at a rapid pace. And to sustain this growth trend, Pennar Enviro is joining hands with globally renowned companies for providing innovative solutions in the fields of water, waste water, desalination and MSW.

A PHARMACEUTICAL MAJOR

Plant Type : Process sea water by desalination technology (SWRO)
 Capacity : 2.2 MLD X 2 Nos.
 Scheme : Lamella - DMF - PSF - SWRO
 Location : Nakkapally, Near Vishakapatnam, Andhra Pradesh



A PETROCHEMICAL MAJOR

Plant Type : Fully Automated Demineralization Plant
 Capacity : 2 X 110m³/hr
 Scheme : DMF -ACF-WAC-SAC-DG-WBA-SBA-MB
 Location : Mangalore, Karnataka
 Consultant : M/s. Technip KT India Ltd, Mumbai



A TEXTILE INDUSTRY CETP

Plant Type : Effluent Recycle System
 Capacity : 3.2 MLD
 Scheme : High TDS RO
 Location : Tiruppur, Tamilnadu



STANDARD TREATMENT SOLUTIONS

Following are the standard treatment solutions offered by PEL for Water & Waste Water in Industrial, Institutional and Municipal Segment.

CLARIFIER : CLARI-NAR SERIES

Removes particles like fine dirt, dust and organic matter, which contribute Suspended Solids in Water, by means of Coagulation and Flocculation.

CLARI-NAR Clarifier has advantage over conventional clarifiers since it is compact in design, easy to install and operate. It requires less space and low capital investment.



FILTER : FILTRIM SERIES

MGF

It removes suspended solids present in water using graded Sand and media.

FILTRIM Series MGF can work at high specific water velocity than conventional filter. Graded sand, coarse & fine media provide a better filter bed to remove big and medium size suspended solids present in water.

ACF

It removes free chlorine, odour and colour present in water using Activated Carbon.

FILTRIM Series ACF has specific quality of Carbon & Media which ensures water free from free chlorine, odour and colour.



SOFTNER : PENN-SOFT SERIES

Removes hardness forming ions (Ca & Mg), which precipitate and make scale at very low temperatures and pressures in water, with the help of ion exchange resins and the same can be regenerated using brine solution when exhausted.

PENN-SOFT Series softner has uniqueness in terms of flexibility in water flow, resin depth and operation easiness. It is available in both the modes – Manual and Automatic.



DEMINERALISATION PLANT : PENN-DEMIN SERIES

It contains Cation, Anion and Mixed Bed Polisher Units and removes Cations and Anions present in water with the help of ion exchange resin which can be regenerated using chemicals when exhausted.

PENN-DEMIN Series comprises packaged, skid mounted Plant with combination of Cation and Anion Units as per feed water characteristics. It is available in both the modes – Manual and Automatic.



REVERSE OSMOSIS PLANT : PENN-PURE SERIES

It treats wide range of brackish water with the help of Reverse OSMOSIS Process.

PENN-PURE Series RO plants are skid mounted and modular in design by which it takes less space and ready to install. PENN-PURE RO PLANTS comprises Micron Cartridge Filter, High Pressure Pump and RO Membrane module having flexibility and ease in operate, utilizes state of the art spiral wound RO Membranes so as the system can achieve maximum purity of water in terms of rejection of dissolved solids.



ULTRA FILTRATION PLANT : PENN-ULTRA SERIES

It removes particles from water based on particle size with the help of pressure driven advanced FILTRATION process.

PENN-ULTRA Series is a skid mounted ULTRA FILTRATION membrane modules which are highly efficient to remove silt, colloids and organics. These membranes can be cleaned with chemicals and are reusable.



SEWAGE TREATMENT PLANT : BIO-TRATAR SERIES

It digests organic matter and reduces COD & BOD enabling the SEWAGE to meet PCB discharge norms. The water from BIO TRATAR PLANT can be reused for gardening, toilet flushing etc.

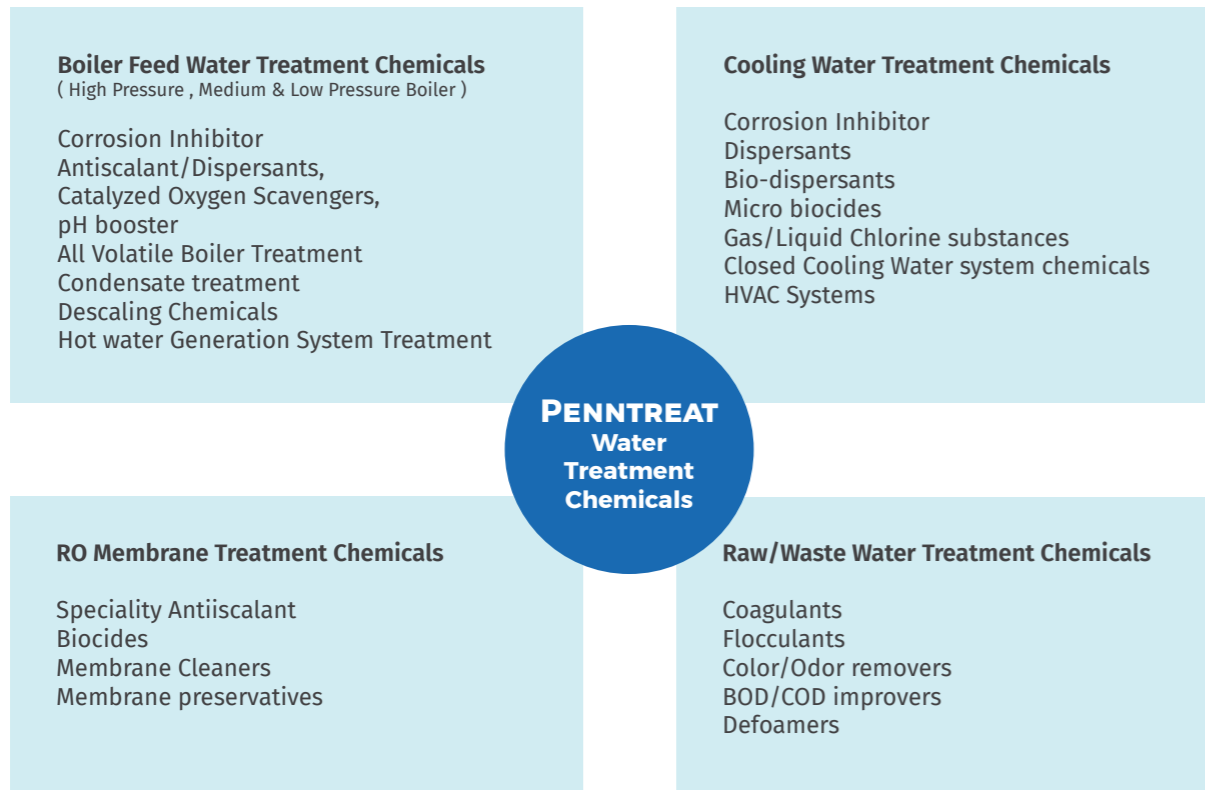
BIO-TRATAR Series is a packaged sewage treatment plant offers the user a pre-engineered and pre fabricated equipments.



CHEMICAL SOLUTIONS

Pennar Enviro has a manufacturing unit at Hyderabad formulating Total range of Water Treatment Chemicals for Boiler Water Treatment, Cooling Water Treatment, RO Membrane Treatment, Raw/ Waste Water Treatment under the "PENNTREAT" brand and Fuel Additives for Solid and Liquid Fuels.

WATER TREATMENT CHEMICALS



FUEL ADDITIVES

PEL has wide range of fuel additives for different types of Solid and Liquid Fuels in order to enhance the specific performance requirement of fuels. Pennar additives are widely used by all types of Industries like Steel, Chemical, Power Plants, Refineries, Petrochemicals, Pharmaceuticals, FMCG etc. whenever fuels like FO, LDO, LSHS, C-9, CBFS, Kerosene, Coal, Agro Fuels, etc. are used.

- Combustion Improver catalyst for Heavy Fuel Oils
- Storage stability additive for Heavy fuel oil
- Multifunctional additive for heavy fuel oil.
- Combustion Improver for Diesel & C-9 fuels
- Lubricity Improver for HSD, SKO, RIL C-9 etc
- Jet performance additive for Diesel Engines
- Power Booster for diesel / Kerosene
- Combustion improver for Coal / solid fuel Burning Units
- Combustion Booster additive for Agro based Fuels
- Combustion improver, control of SOx Emission & Sulphur Corrosion for fuel like Lignite & PETCOKE
- Unburnt Carbon eliminator / Soot deposit remover
- Lubricity Improver for Distillate Fuels like Naphtha etc.

SERVICES

O&M

PEL also offers Operation and Maintenance services for Water Treatment Plants (WTPs), Sewage Treatments Plants (STPs), Effluent Treatment Plants (ETPs), Effluent Recycling Plants (ERPs), Zero Liquid Discharge Plants (ZLDs) and desalination plants.

PENNNAR STRENGTH ON O&M

- Experienced & Skilled Team of Engineers, Operators, Chemists & Technicians
- Backend Technical service support from H.O.
- Daily MIS & Trouble shooting O&M
- Unscheduled down time to zero hours.
- Reduction on OPEX per m³
- Water circuit asset life enhancement
- Health report for total water treatment plants
- Comprehensive & Non comprehensive business model

REHABILITATION

PEL offers Rehabilitation of Water and Waste Water Treatment Plants to improve water quality, augment plant capacity, reduce chemical consumption and provide automation by means of,

- Augmentation
- Refurbishment
- Modification
- Revamping
- Retrofitting



SUPPLY OF SPARES & CONSUMABLES

PEL Offers a wide range of System Spares and Consumables for the healthy maintenance of asset life.

Our List of Spares / Consumables includes:

- Reverse Osmosis Plant Components, Membranes & Micron Cartridge Elements
- SDI Kits & SDI Papers
- Filter Media
- Activated Carbon
- System Components : Valves, Ejectors, Strainers, Laterals, Internals
- Chemical Dosing Pumps
- Water Analysis Instrumentations & Water Test Kits

MAGIC 555™ – The Environmental Safe Solution to Cleaning™

M/s. Pennar Enviro Limited is sole distributor and representative for India operations of M/s. P&D Creative Co. Inc., U.S.A. M/s. P&D Creative, a leading U.S. Company, formulates, manufactures and markets a full line of earth friendly cleaning products using a revolutionary technology based on NANO Particulate (colloidal) chemistry. The cleaning products are marketed under brand name Magic 555™.

Features & Advantages :

- 100% Bio-Degradable
- Non-Toxic
- Human and Animal Safe
- EPA compliant with no VOC's
- Value Priced
- Provides Superior Performance

Industries Served:

- Automotive
- Defense
- Heavy Engineering
- Transport (Railways, Road Transport, Shipping)
- Institution
- Hospitality

Magic 555™ products are USDA approved, OSHA / EPA compliant & Green Seal recommended



MAJOR CLIENTS



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OUR BRANCHES

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