

ALL TECH SERVICES

(ISO 9001:2008 AFFILIATED COMPANY)

**ENGINEERS, FABRICATORS & CONTRACTORS
ALL TYPE OF WATER PURIFICATION SYSTEMS, SALES&SERVICE**

AUTHORIZED DEALER: SUPREME SOLAR, LUBI PUMPS, PENTAIR VESSELS, ION EXCHANGE RESIN, RO SYSTEMS.

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INTRODUCTION

We are glad to introduce ourselves as Manufacturing and Service providers for Sewage treatment plants, ETP, DM water plant, Distil water, water softener plant, RO Water Plant, Water purification systems. We have our own workshop at Chintal, HMT Road, Hyderabad, and A.P. to repair the Water Treatment Plants. We also undertake Supreme Solar Systems, rainy water filter systems, fabrication works, and all types of pumps i.e., Domestic/ Commercial/ Industrial and Special pumps etc...

The undersigned has worked in Hyderabad Batteries Limited for 20 years as Service Engineer (Tech). And have got vast experience in designing and repair of Water Treatment plants in INDIA.

We are local, young and experience team in the above field. We have full-fledged service station and staff to attend personally and immediately for servicing & repair of Water Treatment plants supplied by other manufacturers also.

Ours is a SSI Unit approved by Small Industries Service Institute of A.P. And ISO 9001:2008 Approved company. We would like to bring to your kind notice that we have also supplied water treatment plant and STP plant err action works for projects of Biological E Limited- – Shamirpet- STP Plant.ESI Super Specialty Hospital -STP -Chem Pure technology– Nizamabad Medical College Hospital -STP - Chem Pure technology– Hyderabad .HBL Nife Power Systems Ltd, Enhansed Wap Systems, Chepure Technologies, Sarvottam Care Ltd., Kopelle Pharma Pvt. Ltd. Leo Meridian Resource, ITC Kakatiya Shereton Towers and other Drug Units.

CONCEPT

Save water and give better life to our future generations.

OUR PRODUCTS

I. SEWAGE WATER TREATMENT PLANT

We are designing and manufacturing, Sewage Treatment Plant that is required for sewage water cleaning application. The different types of Sewage Treatment Plants that we offer are available in numerous configurations and sizes. In the making of Sewage Treatment Plants, we utilize the finest grade parts & components. In addition, the Sewage Treatment Plants are made by using the latest techniques at our highly advanced manufacturing set up. Furthermore, we are counted as the most reliable Sewage Treatment Plant Manufacturer and Supplier in Telangana & Andhra Pradesh.



Types of STP Plant:

- ASP
- FBBR

Capacity

- 10 KLD STP
- 100 KLD STP
- 200 KLD STP
- 400 KLD STP
- 50 KLD STP
- 150 KLD STP
- 300 KLD STP
- 500 KLD STP

Process of Sewage Treatment Plant

The sewage shall be passed through the screen chamber to remove big and floating particles from the sewage. Bar screen shall be provided in the screen chamber. The screened sewage shall be collected in the collection tank/equalization tank. From there it shall be pumped to the FLUIDIZED BED BIOREACTOR where diffused aeration mechanism with floating media immunized with microorganisms shall be provided for efficient BOD reduction. The overflow from FBBR Tank shall be settled in the secondary clarifier. A part of the sludge shall be re-circulated to the aeration tank to maintain MLSS. The wasted sludge shall be pumped to the sludge filter to filter press for dewatering and the dried sludge shall be disposed. The filtrate from the filter press water shall be let into the collection tank. The overflow from the secondary clarifier shall be collected in the clarified water tank. Then from there it shall be pumped to the pressure sand filter and activated carbon filter. The treated water shall be passed through hypo dosing disinfection system and it shall be reused for flushing or gardening.

II. DM WATER PLANT

With our rich industry experience, we manufacture, export and supply a supreme quality range of DM Water Plant that is ideal to provide non-toxic and odorless water. This plant make the liquid free from impurities by separating and reducing bacteria, dust, excessive salt and many more. To manufacture this plant, our dexterous professionals use premium grade raw material and advanced technology in sync with the prevalent market norms. Also,our quality controllers test this plant on various parameters to ensure its accurate functionality. Clients can avail this DM Water Plant at market leading price.

- Features:**
- Less maintenance
 - High operational fluency
 - Rugged design
 - Optimum performance



III. HYDRO PNEUMATIC PRESSURE BOOSTING SYSTEM

Pressure boosting systems, hydro pressure systems, hydro pressure booster system that consists of an automatic pressure controlled pump and a tank, which contains an air filled poly-ether-urethane (PEU) bladder. The water gets pumped in this tank that compresses it and pressurizes the bladder which in turn maintains a desired pressure within the whole water system. This automatic system requires no manual intervention and is built for low maintenance. As the entire home plumbing is kept under pressure by the system it is vital that good standards have been used in water piping and fixtures.



Features:

- Automatic operation of the system, water under pressure whenever required.
- Paradise Home Pressure booster system will work in homes with and without the overhead tank. They can replace the overhead tank provided continuous power is available.
- The composite material (FRP) tank ensures that the vessel never corrodes and no harmful traces of metal (as in steel tanks) pass into your water. The tank is made of Food & Drug Administration (FDA) and National Sanitation Federation (NSF) listed materials, thus environmentally safe and will not introduce any undesirable chemicals or elements.

Benefits:

- Consistent water pressure on all floors.
- Pressurized full flow shower, which you always wanted.
- Consistent water flow in bathtubs, dishwashers, showers and garden hose.
- The modern fittings like mixers require an optimum pressure to function efficiently. Since this pressure is normally not available with an overhead tank, the booster system makes the presence of such fittings more meaningful.
- Complete and efficient management of water pressure.

IV. R.O WATER PLANT



INDUSTRIAL RO PLANT

Industrial Reverse Osmosis systems are an integral part of present water and waste water treatment plants. This is largely due to the need or unavoidability of reuse and recycling of waste water due to clean water scarcity. We manufacture a range of R.O. Plants, integrated with a composite Water Treatment Plants or Wastewater Treatment Plants. Simple design, high recovery of product water and value for money is our unique sales proposition (USP). All tech services brings a small and medium capacity Industrial RO plant model. Our plants are designed, developed and programmed under the supervision of experts for the long and dependable services. Our Industrial RO plant consists of various steps or processes integrated and synchronized to give desired results.

Reverse Osmosis : (Process Explanation)

Reverse osmosis may be defined as membrane technical filtration method, which involves a selective membrane that is this membrane do not allow large molecules or ions through the pores (holes) to pass, but allows smaller components of the solution (such as the solvent) to pass freely. Further, by applying pressure to the solution when it is on one side of a selective membrane, the solute is retained on the pressurized side of the membrane and the pure solvent is allowed to pass to the other side. Since the two streams of liquid flow side by side to each other this process is also called cross flow filtration process.

Applications

- Safe Drinking Water
- Boiler Feed Water
- Ion Exchange Pre-treatment
- Beverage Production

V. WATER REUSE AND RAINWATER HARVESTING

All tech services provides decentralized water reuse (DWR) solutions to maximize water conservation by combining water reuse with rainwater harvesting to recycle both wastewater and rainwater. We supply a complete range of residential and commercial solutions to green-build developers, builders and homeowners who want to add rainwater harvesting systems to their residential or commercial properties. We offer skid-mounted wastewater reuse systems and rainwater harvesting components to builders and owners of commercial properties like schools, public and office buildings. We also provide industrial water reuse applications for virtually any industry need. We also offer water conservation products such as drip irrigation for wastewater treatment and water reuse for both on-site and decentralized applications.

Wastewater reuse

As water becomes scarce, wastewater is recognized as a significant source of water. Annual has a variety of products that will enable residences, commercial developments, industrial operations and municipalities to leverage wastewater as a new water source

Rainwater Collection Systems - Many Bonuses To Using

The primary benefit to using a rain water collection system is that the water is free and relatively clean. Unfortunately, relatively clean is not always clean enough for every use. Initial rainfall of a storm is typically very clean, but contaminants quickly accumulate. Pollen, dust, bird droppings, mold and other problematic substances are washed off rooftops and can be directly deposited into rainwater collection systems. These contaminates either settle at the bottom of the tank in the anaerobic zone or they float to the surface. In either case, they make for unpleasant odor and color and they degrade the overall water quality. For this reason, we recommend using a first flush filter on your rainwater collection system. It will help ensure that you collect only the purest water during a storm. Trust in the products purchased from RainHarvest and start collecting rain water today!

Rainwater Collection System Modifications



Some people are perfectly content collecting rain water in any way, shape or form. For more particular users Rain Harvest Systems has numerous rainwater collection system modifications to ensure the cleanliness of the water you collect. By adding a first flush filter or diverter, you will be able to guarantee that the water you are using is clean and safe for many of your needs.

Rainwater filters and first flush diverters are simple devices, but they can make all the difference. The rainwater filter is installed closest to the gutter conveyance system and gives added assurance that particles do not make their way into your water supply. This filtration process eliminates fine sediments and helps keep your diverter system clean. A first flush diverter is a slightly more complex arrangement. It usually contains a temporary storage core and a simple valve unit consisting of a ball and seat. The initial rainfall fills the core and floats the ball until it rises up to the seat, blocking the opening to the core. This means that the potentially contaminated rain stays separated from the rest of the clean water. When you choose rainwater collection systems with first flush devices installed, you will avoid catching rain that can be potentially harmful to use.

VI. SOLAR PRODUCTS

Solar Inverter

The AC (Alternating current) can be used to power loads in your home or commercial building etc.... The Solar Panel gives DC (Direct current). The DC current cannot be used directly for the home appliances. To convert DC to AC, Solar Inverter is used. Solar Inverter is the most important component in the solar power systems. The Converted AC power is used for running your gadgets like the TV, Microwave, and Refrigerator etc...Grid Tie Inverters convert the direct current generated by the solar module into grid-acceptable alternating current. There are a few basic types of Solar Inverter are Off Grid Inverters, Grid Tie Inverters, Battery backup Inverters, Micro Inverters. Micro-inverters are the latest in the solar industry which is small & compact in size and yet are packed with a lot of performance & promise. They incorporate all the features of any string or central inverters.



Solar Lights

Lighting is one of the largest consumption of energy. Solar lighting will save great amount of energy for us. Solar Lighting system is the lighting resource / device that operates using the Light energy available from the sun to provide lighting during night time. Our solar light system consists of a solar PV module, a battery & a luminary with very high efficient electronics all mounted onto a pole with necessary hardware & cables, theatre, halls, common space Lightings, Commercial, Industrial Lightings, railways, Signal Light and Communication, Security Lights at gates. Different models of Solar lighting system is available for Home/ Indoor lighting system, streets, Gardens, Emergency Lights etc..



Solar water heater systems

Evacuated Tube Collector We offer our clients an exclusive range of Evacuated Tube Collector that is provided with multiple evacuated glass tubes. These glass tubes heats up solar absorbers that in turn heats up the solar working fluid (water or an antifreeze mix - typically propylene glycol) that is used to heat domestic hot water or for hydraulic space heating. The vacuum within the evacuated tubes reduce convection and conduction heat losses, allowing them to reach higher temperatures as compared to the most flat-plate collectors. The evacuated tubes draw their energy from the available light rather than outside temperature. This makes our range of Evacuated Tube Collector to perform well in colder conditions. In warmer climates it requires special system design to avoid or mitigate overheating conditions though some have built in temperature limitation.

The specification of Evacuated Tube Collector includes:

- Inner storage tank: Stainless steel, 0.8mm / 1mm thick SS 304 ,& 316L. 0.5mm thick
- Welded using seamless argon welding
- Insulation: PUF insulation/ rockwool / glasswool, 50mm thick
- Outer tank: Aluminum and stainless steel
- Tube material: All glass evacuated tube with > 92%
- Absorption rate and < 6.5 % emission rate
- Tube length: 1500 mm
- External diameter: 47 mm / 58 mm
- Output water temp.: up to 60 degree cg.
- Support structure: High quality steel with powder coating paint



VII. WATER SOFTNER PLANT

Product Specification

We are listed amongst the renowned organizations in this domain, engaged in offering a superior quality range of Water Softener Plant that is broadly demanded in the industrial sector for providing excellent quality water. Our assorted range of plant is widely used in houses, hospitals, schools, offices in order to softening the water. This Water Softener Plant is precisely manufactured under the skilled professionals' guidance using high grade raw material and advanced technology.

Features:

- High efficiency
- Optimum cleaning
- Non-corrosive
- Longer service life



Specifications:

All tech services Industrial and Domestic Water Softener are available in a wide range with maximum flow rate from 500 to 60000 LPH. In this process Hard Water is converted to Soft Water. The Maximum Permissible limit of Hardness in Water is 200 ppm(mg/lit). About 62% of India Suffer from more than 200 ppm of hardness in water. But What makes water hard? Hard water contains excessive Calcium and Magnesium salt which are harmful.

Applications:

- Home and apartments
- Process water for manufacturing plants
- Boiler feed water and cooling water make-up
- Beverage and food processing industry
- Hospital, hotel, institute, laundries and more Hard Water Problems
- Personal
- Skin

Hard water makes it more difficult for substances to dissolve in it efficiently, such as soap. When you lather (which you may also realize is difficult to do) and then rinse off, you may not be removing all the soap from your skin. This is through no fault of your own, but rather the inability of your water to wash all the soap from your skin. Soap that remains on the skin aids in drying it out, leaving you with flaky, itchy skin. Remaining soap can also aid in the clogging of pores, giving you dry skin and a few extra skin irritations. Using Soft water means there are fewer deposits in the water, giving your soap better lathering power and making it much easier to wash off, freeing your skin of excess soap after you towel off and giving you a better chance at softer, more moisturized skin, hair.

Our hair, scalp and skin have an electrical charge and that charge is negative. Minerals and oxidizers are charged positive. When a positively charged mineral comes in contact with our hair, scalp, or skin, it attaches on like a magnet. Hard water mainly contains Calcium & Magnesium which affects your hair in following ways

- Calcium builds up on the scalp causing flaking of the scalp, giving the appearance of dandruff.
- Calcium can choke the hair at the mouth of the follicle causing the hair to break off, then coating the scalp, blocking further new hair growth.
- Magnesium causes hair to feel dry & causes hair to appear weighted down.
- Magnesium can inhibit the proper processing of perms, color and relaxers. This can cause many problems for your hair, scalp and skin like
- Hair feels dry and resistant to color or perming.
- Dandruff or eczema of the scalp
- Dry, flaky skin
- Thinning hair
- Colors fading too quickly
- Perms appearing to fall out
- Discoloration or darkening of hair
- Hair lacks body and shine

Our Recent Clients List

- Narayana Hrudhayalaya – Malla Reddy Hospitals – R.O, Softener, High purification system.
- ESI Super Specialty Hospital -STP -Chem Pure technology– Hyderabad R.O plant
- Ashoka builders & developers – Swimming pool filtration PLANT
- DRDL-Kanchanbagh-Hyderabad - DM Water Plant, R.O PLANT
- Tyche dies & mouldings- pashumylaram – DM water plant system. R.O PLANT
- Biological E Limited- – Hyderabad- DM Plant, R.O PLANT
- Biological E Limited- – Shamerpet- STP Plant
- ITC Kakatiya Shereton Towers – STP_Hyderabad
- GMR Projects – Rajam – Srikakulam- STP
- Ashoka builders & developers – S.T.P PLANT
- Chepure technologies -3 projects completed (S.T.P)
- Enhanced wap systems – 5 projects completed (S.T.P)
- Metro railway L&T projects (Nagole & miyapur)-S.T.P plant Err action. REPL.
- Kanakadara ventures Private Limited – STP-Hyderabad
- Shanthi Boilers – STP Hyderabad
- Spliended Aparna –STP- Kommpally, Rangareddy District
- PBELE city Towers – project – Bandlaguda –water softener system& STP.
- Projects of HBL Nife Power Systems Ltd., – Rangareddy District-DM Plant
- Disto Pharma - Hyderabad- Softener Plant
- Vasuda Pharma –Visakhapatnam- DM Plant
- Vijayasree Organics – Visakhapatnam- DM Plant
- Lan Tech Pharma – Srikakulam- DM Plant
- Matrix laboratories – Pydi bhimavaram- DM Plant

- Kopalle Pharma pvt ltd- IDA JDM HYD- DM Plant
- KLAR SEHEN PHARMA –IDA JDM – DM Plant
- Padmavathi foods pvt ltd-HYD - R.O plant with D.M Water system
- Mr.Chandra Shekar - indu aranya – bandla guda- Drinking water purifier.
- Medvin Pharma- Auto Nagar- Drinking water system
- Dr.sitha ramaraju- mallashian town ship- drinking water purifier
- Lahari homes duplex houses-water softning system, drinking water purifier
- Mr.ravi kumar-duplex house – kondapur- water softning system, drinking water purifier
- BHEL – Turbans Private Limited – Hyderabad DM WATER SUPPLY
- Koplle Pharma Pvt. Ltd., – Hyderabad
- Leo Meridian Resource, – Rangareddy District
- Matrix Limited – Srikakulam
- Modi Apartments – Hyderabad
- Nallajarla Law University–Shamirpet
- Sarvottam Care Ltd., – Hyderabad-DM Plant
- Hyder khan (NRI,USA) duplex houses- jublli hills - water softning system, drinking water system, drain water auto lifting system, pressure boosting system.
- Dr.satish kumar – Duplex house- Drinking water purifier
- Dr.J.P Aagarwal -Duplex house-jublli hills – water Softener ,drinking water system, Pressure Boosting pump
- Splendid Aaparna duplex houses kompally – water softning system
- MR.Asad khan –Duplex houses- Mani konda - water softning system, drinking water purifier.