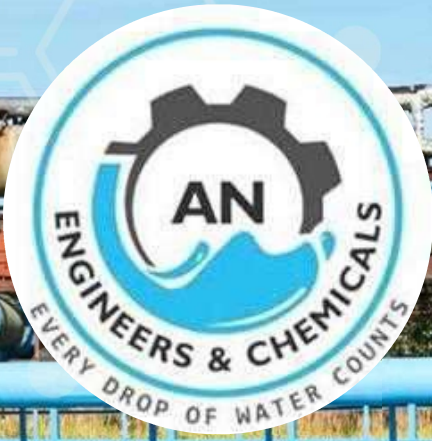




AN ENGINEERS & CHEMICALS

Every Drop of Water Counts

A LEADING WATER & WASTE WATER TREATMENT COMPANY

www.anengineers.co.in



Water Experts:-

Save Water Save Live Every Drop of Water Counts

Recycle

Emphasize Water recycling and Treatment to convert wastewater into usable water

Reuse

Find ways to reuse water whenever possible. eg. collecting rainwater for garden

Restore

Support efforts to restore and protect natural water sources like ponds.

Respect

Respect the value and importance of water as a precious resource. Treat it with care

Reduce

Reduce water usage by being mindful of how much water you use daily.

COMPANY PROFILE

**An Overview of
our Vision to
Save the Planet**



AN ISO9001 : 2015 Certified MSME Registered Company

Agenda

- About Us
- Mission
- Vision
- Products and Services
- Successful Installations
- Valued Clients of Ours
- Offices and Contact Details



About Us

AN Engineers & Chemicals has a focus on healthier and greener tomorrow. The result of many man years of sweat and toil has ripened into an objective "Mission with a Vision". In an age where technology is the key competitive advantage.

AN Engineers & Chemicals has carved a niche for itself. AN Engineers & Chemicals, we realize that this is a moment of vast possibilities. Just supply a drop of pure water and there is an ocean of people with demand. AN Engineers & Chemicals is committed to provide environmentally safer products to match international standards of safety, health and hygiene. Key to our success have been in commitment to customer satisfaction, with a high quality of works strong technical capability having experience of more than 10 years and exceptional project

Established in 2014, A Professional Engineering Firm AN Engineers & Chemicals is an 9 year Experience Organization. We Lay Pecial Emphasis on technical Expertise to remain abr.organization specicalzing in water treatment solutions. With 100+ completed projects, our team of experienced engineers and management professionals excels in water treatment, waste water treatment, energy-saving pumps, swimming pools STP manpower supply Committed to innovation and sustainability, we strive to exceed client expectation while promoting water conservation and environmental stewardship.



Mission

An Engineers & Chemicals water recycling company mission is to waste water consistently provide a comprehensive range of high quality, cost effective and sustainable waste water management and services to our valued customers, in order to satisfy their specific waste water management requirement and objectives.

"Elevating environmental value with pure purpose of redefining waste water treatment standards and transforming wastewater into environmental assets"

Our Mission

We are dedicated to swiftly addressing our customers' requirements, providing efficient effective solutions for their engineering needs. Our Mission at An Engineers & Chemicals Experts is to be at the forefront of the water and wastewater treatment industry, setting new standards of excellence. We aspire to lead the way in providing cost-efficient technology solutions that not only ensure effective management of water resources but also contribute to the preservation of the environment. By constantly innovating and embracing new technologies, we aim to revolutionize the field of pumping and firefighting solutions. Our Commitment to our customers is unwavering, as we strive to deliver the best products and services that meet their needs and exceed their expectations. Together, we will build a sustainable future and make a positive impact on the world through our dedication to water treatment excellence.



Goals and Strategy

Core Values

Our core values form the foundation of our operations and relationships:

- Integrity: Upholding the highest ethical standards in everything we do.
- Responsibility: Taking ownership of our commitments and actions.
- Flexibility: Adapting to the evolving needs of our clients and the industry.
- Transparency: Operating with openness and honesty in all our interaction.

At A.N. Engineers & Chemicals, we are committed to engineering a better future, safeguarding the environment, delivering exceptional value to our client.

As an authorized channel partner of SUDERSHAN CHEMICALS in Pune, we specialize in providing a wide range of solutions for water treatment chemicals, wastewater chemicals. Our expertise extends to various applications, including boiler and cooling tower treatment, reverse osmosis systems, swimming pools and water body accessories.



Our Products and Services



Raw Water Treatment



Drainage & Pumping
Systems



Operation &
maintenance. STP & WTP



Waste, Sewage & Water
Treatment



Food Waste Bio
Composter



(AMC) :
We offer comprehensive
maintenance services



Swimming Pool
Equipment

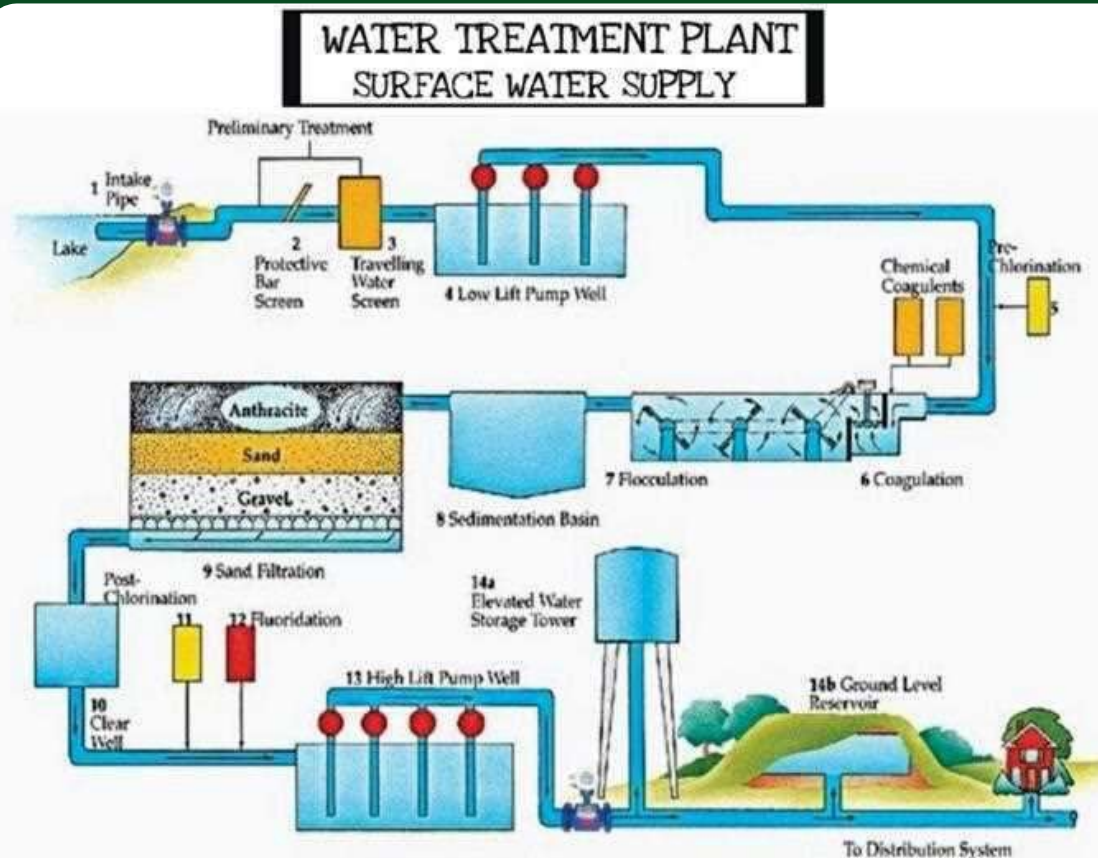


ETP/STP Chemicals

An Engineer & Chemicals Experts goes beyond water treatment to provide a range of additional services. From pool maintenance and STP/WTP AMC to horticulture and manpower supply, we offer comprehensive solutions to meet diverse client needs. With our expertise and commitment to excellence, we ensure clean and well-maintained swimming pools, smooth operation of STPs and WTPs and reliable staffing solutions. Trust An Engineer for all your water treatment and related service requirements .

Raw Water Treatment

At AN Engineers & Chemicals Experts, we specialize in Raw water treatment solution to ensure safe and clean water for various purposes. Our advanced technologies remove impurities from sources like rivers and wells. We use processes such as filtration, sedimentation, and disinfection for surface water treatment, while employing methods like reverse osmosis and activated carbon filtration for groundwater treatment. Trust us to provide reliable and efficient solutions, guaranteeing the highest water quality for communities, industries, and the environment.



Electromagnetic flow meter

MIRRANT



Food Waste Bio Composter

Our innovative approach allows for the efficient decomposition of organic food waste, turning it into nutrient-rich compost. Through a controlled process that harnesses the power of breakdown of food waste, minimizing its impact on the environment. Our Bio composting solutions not only reduce landfill waste but also provide a valuable resource for enriching soil and promoting sustainable agriculture. with

AN Engineer Experts, you can effectively manage food waste while contributing to a greener and more eco-friendly future. Capacity: 10-10,000/ Day



Swimming Pool

AN Engineers & Chemicals experts in swimming pool pumping solutions. Our advanced technology ensures efficient water circulation and filtration, creating a pristine swimming experience. Trust us for reliable and cost-effective solutions that keep your pool crystal clear and enjoyable.

- Pool Filters
- Recirculation Pumps
- Chlorinators / Ozonators / UV System
- Pool Ladders
- Pool Lights
- Suction Swiper



Pumping System

We offer you a complete collection of energy-efficient, normal water transfer pumps, hydropneumatic high-pressure pumping & drainage systems. are suitable for both residential and commercial buildings.

Here's a list of our systems:

- Basement Sump Pump
- Sewage / Effluent Lifting Pump
- Normal Water (Raw / Treated) Water
- Transfer Pumps
- Boosting Pumps – Domestic & Commercial
- Hydro – Pneumatic Pump For High Rise
- Buildings And Hostels
- Heat Pump For Swimming Pool



Chemical Treatment

AN Engineers & Chemicals

chemical treatment services for ETP, STP, Boiler application. As an authorized dealer **sudershan chemicals** solutions to optimize system performance and ensure long-term equipment durability. Trust us for exceptional chemical treatment services tailored to your requirements. We serve in:

R O Antiscalant Chemicals.

R O Membrane cleaning Chemicals

ETP- Polymer

STP Bio Culture Chemicals

Oil & Grease settler Chemicals



Sewage Treatment

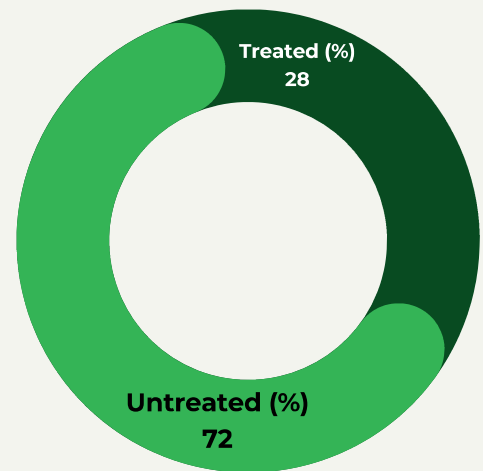
- Water Treatment Plant: We design, install, and maintain water treatment system to ensure the highest quality standards are met.
- Sewage Treatment Plant: Our solutions address sewage treatment, purifying wastewater to protect the environment and public health.
- Effluent Treatment Plant: We manage and treat industrial effluents to meet regulatory standards and minimize environmental impact.
- Water & Wastewater Treatment Chemicals: We provide specialized chemicals for use in water and wastewater treatment, enhancing the effectiveness of treatment processes.
- Boiler and Cooling Tower Chemicals: Our expertise extends to the treatment of boiler and cooling tower systems, ensuring efficient and safe operation.
- Reverse Osmosis System: We deliver high-quality RO systems for reliable and safe water purification.
- Point of Use and Centralized System: Our solutions cater to both individual point-of-use system and centralized water treatment plant.
- Swimming Pool & Water body Accessories: We offer a range of accessories to maintain and enhance the quality of swimming pools and water bodies.
- Special Microbial Culture for ETP & STP for MLSS: We provide specialized microbial cultures for enhanced performance in ETP and STP.



CHALLENGES FOR TODAY'S INDIA

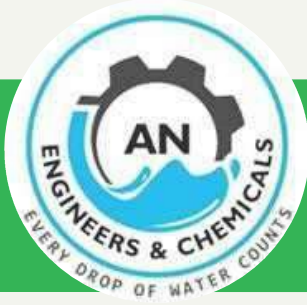
Wastewater management is a critical facet of environment stewardship that demands our immediate attention. With rapid urbanisation and industrialisation, the volume of waste water has surged. Water recycling an advance and multifaceted approach emerges as a pivotal strategy in addressing this contemporary challenge.

- About 35% of India total population is concentrated in urban areas, where estimated waste water generation is around 72.5 MLD and for rural counterpart it is 39.6 MLD
- The current installed capacity of STP is 31.8 MLD but the operational capacity is 26.8 MLD, which is much lower than generated
- Only 28% of actual quantity of waste water generated, is treated. 72% is untreated
- Sewage treatment capacity in most states is below 50% of sewage generation



RECYCLING OUR WATER CAN OFFER SUBSTANTIAL BENEFITS TO OUR SOCIETY

- Reduce of nutrient and contaminants load into rivers and oceans.
- Treated waste water can be repurpose for spectrum of application.
- Reducing demand and stress on freshwater resource.
- Recycling water requires less energy than treating and transporting fresh water.
- Can contribute sustainable manufacturing process and reducing environmental impact of industrial discharge.
- Offers resilience against impacts of climate change.
- Supply of water quality underpinned with a comprehensive water quality assurance program. Security for investment in agriculture enterprises.
- Recycling of valuable nutrients.
- Centralised nature of treatment with increase in sewage generation
- Difficulty to meet existing norms due to ever increasing complexity of sewage, increasing issue of sludge management and disposal
- High footprint of conventional technology. Limiting scale of new plant
- Limited water reuse scope with poor output quality



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MOVING BED BIO REACTOR PROCESS (MBBR)

M-Flocs technology employs reticulated PU foam impregnated with activated carbon bio film carriers operating in mixed motion within an aerated waste water treatment basin. The bacterial film growing on the carrier material converts this substance into smaller molecular weight substances through hydrolysis and eventually biodegrades it. The media can enhance the efficiency of waste water process as it provides large surface area for biofilm growth. This technology provides cost-effective treatment with minimal maintenance since MBBR processes do have self-regulating nature of the biofilm and the carrier's durability minimizes the need for frequent replacement.



- Screw Screen Bar Screen
- Anoxic Tank
- Moving Bed Biofilm Reactor
MBBR Aeration Tank
- Clarification Chamber
- Disinfection Chamber
- Machine & control Cabin

Cross Section (MS) View of Surface Area



Advantages

- Higher BNR Removal Compared to others.
- Reduce the footprints up to 30-40%.
- Increased treatment capacity in Existing System.
- Life of carrier media up to 10+ years.
- Reduced sludge production and no problems with Sludge bulking.
- Works in Higher MLSS compared with other MBBR media.
- Complete solids removal.
- Improved settling characteristics.
- Operation at higher suspended biomass.
- Enhanced process stability.



Applications

Municipal Waste Water Treatment | Industrial waste water Treatment Landfill Leachate Treatment | Upgrading Existing waste water treatment plants | Treatment of stormwater runoff | Decentralised waste water treatment



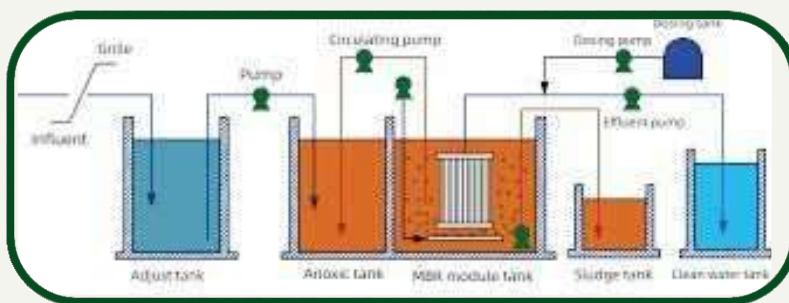
An Engineers & Chemicals

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MEMBRANE BIOREACTOR PROCESS (MBR)

X-Flocs operates on the principle of biological treatment. Raw untreated waste water is sent to X-Flocs reactor using a pre filter screen to prevent any larger debris, plastics etc. which clogs the reactor. X-Flocs module is a bio-reactor fitted with necessary air diffuser and filter on membrane with a pore size ranging from 0.1 micron to 0.06 micron. The reactor uses a membrane barrier (usually microfiltration or Ultrafiltration membranes) to separate solids and microorganisms from the treated waste water. Residence time of waste water within the reactor is controlled by drawing rate from the membrane module. Treated water is drawn from the reactor using suitable pump. As the pore size of the membrane is too small to allow any bacteria or other contaminant to pass through, the treated water at the outlet of the membrane is clean with reduced organic content. This water is thereafter is dosed with necessary chlorine and sent for eventual reuse or discharge.



Advantages

Better COD/BOD reduction compared to APS, MBBR, FAB and others. | Lower sludge production
Higher nutrient removal compared to conventional process | Better treated water quality.
Curtailed fouling | Reduced footprint for tertiary treatment.

Applications

Sewage Treatment | Effluent Treatment | Drinking water treatment plants | Compact sewage treatment plants | Water reuse and reclamations.

Conventional process and membrane bioreactor

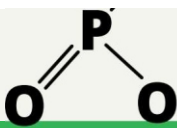
Conventional process (conventional activated sludge process)

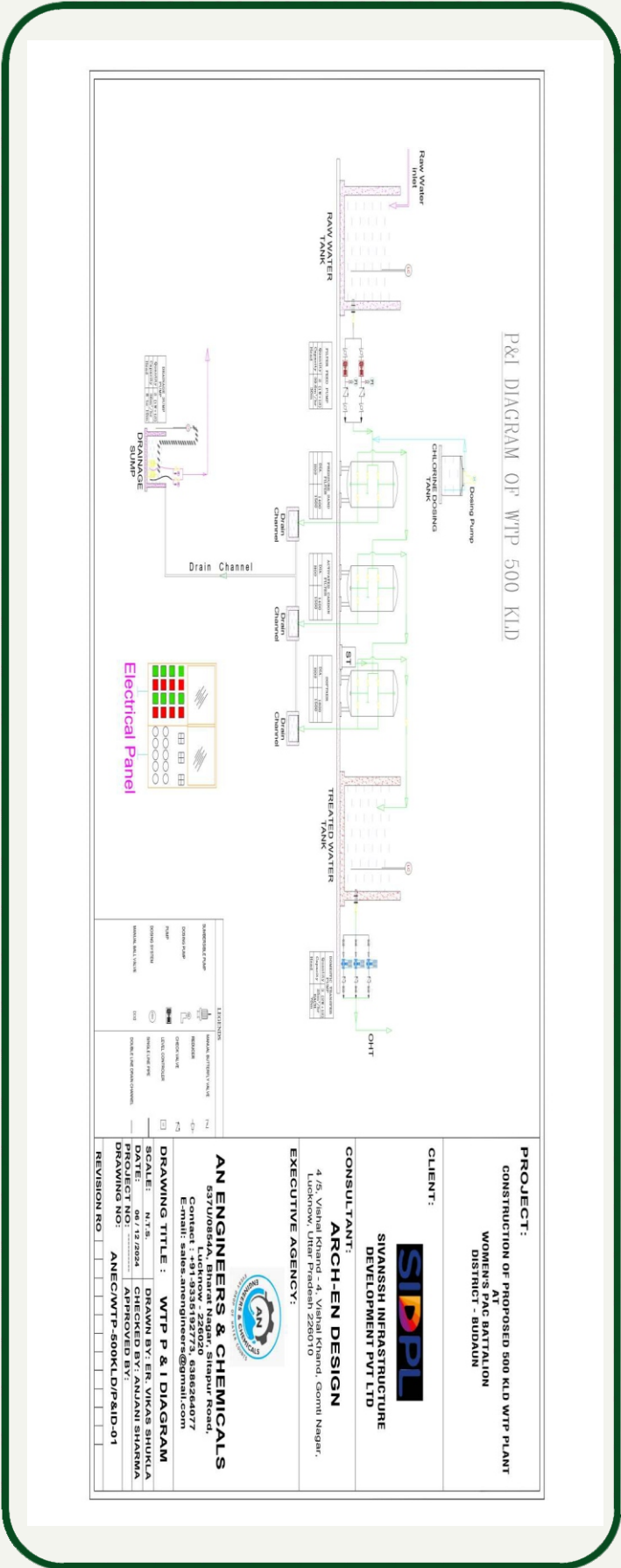
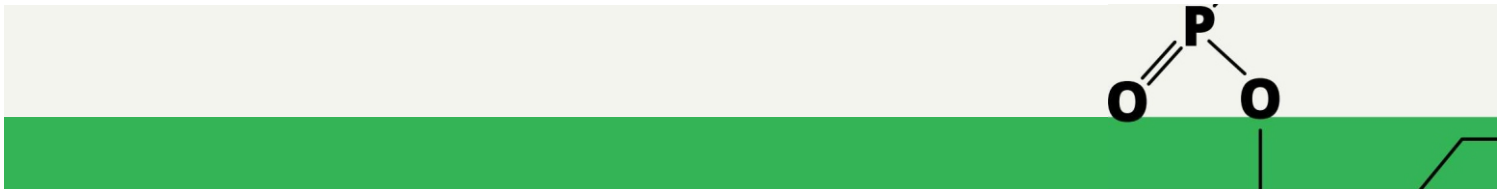


Membrane bioreactor (MBR)

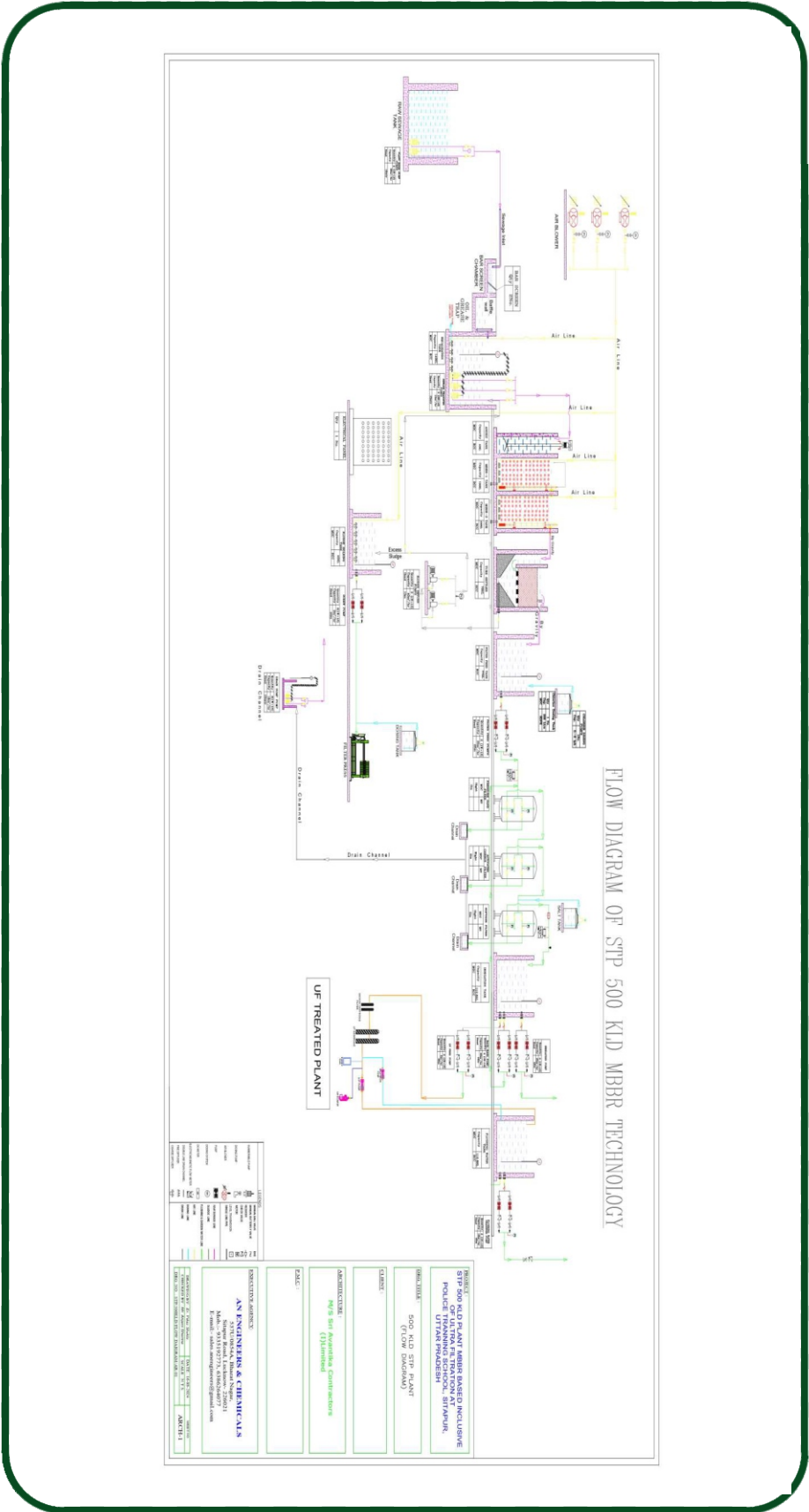


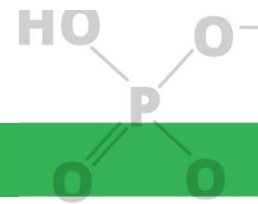
An waste water treatment system that combines biological treatment by activated sludge and physical treatment by membrane separation. Raw water is not directly filtered. Organic substances in the raw water are degraded by microorganisms, and the activated sludge used for the treatment is separated by a membrane.



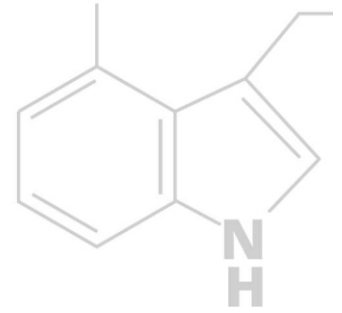








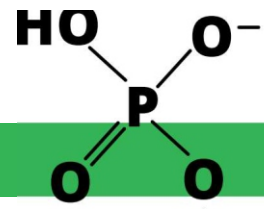
SUCCESSFUL INSTALLATIONS



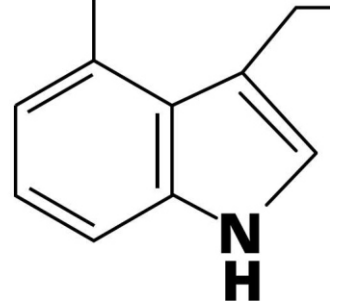
A glimpse into a collection of prestigious projects undertaken by An Engineer, each one demonstration our expertise and commitment to excellence in the field of water treatment.

STP

- 1- AIIMS masjid mod Ansari nagar, New Delhi
- 2- SSB Campus Lakhimpur, U.P.
- 3- UPRNN Deoria medical Collage
- 4- Ahaana Enclave Omaxe City, Nagar Nigam
- 5- UPPWD Atal Residential School Gorakhpur
- 6- UPPWD Medical Collage & District Hospital STP & ETP, Lakhimpur
- 7- UPPWD Medical Collage & District Hospital STP & ETP, Pilibhit
- 8- Food and Drug lab Upsedco Kanpur
- 9- UPPWD PAC Mahila Battalion, Budaun
- 10- UPPWD Medical Collage & District hospital STP & ETP, Bulandsahar
- 11- UPRNN Chitrakoot Dist - Jail U.P.
- 12- UPRNN Siddhartha nagar Medical Collage
- 14- UPRNN Balarampur Medical Collage

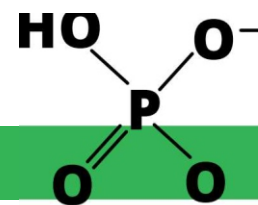


SUCCESSFUL INSTALLATIONS

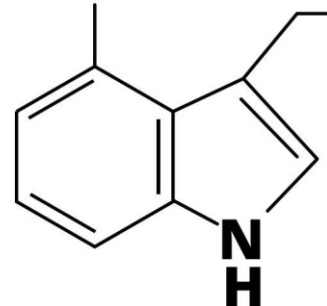


WTP

- 1- Jai Prakash Narayan Trauma Centre AIIMS New Delhi
- 2- Ahaana Enclave Omaxe city, Nagar Nigam
- 3- IIT Bihata Patna Bihar
- 4- Super Speciality Hospital GSVMMC Kanpur under PMSSY
- 5- UPPWD Medical Collage, Iakhimpur
- 6- UPPWD PAC Mahila Battalion, Budaun
- 7- UPPWD Medical Collage, Pilibhit
- 8- UPPWD Medical Collage, Bulandsahar
- 9- UPRNN Chitrakoot Dist - Jail U.P.



RUNNING PROJECT

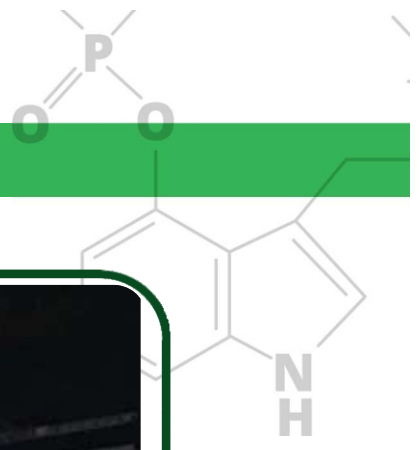


STP

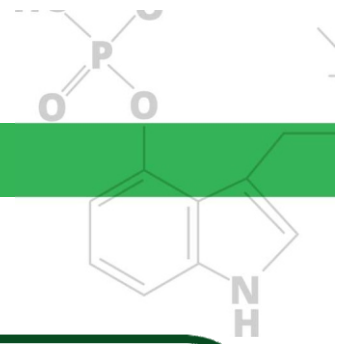
- 1- Bihar Animal Science University Patna, Bihar
- 2- Hapur Police Line, Hapur
- 3- Shamli PAC Kairana
- 4- Sheetla Mata Medical Collage Majra village, Gurugram
- 5- UPPWD Armed Police Training Center, Sitapur
- 6- UPPWD Moradabad University

WTP

- 1-Sheetla Mata Medical Collage Majra village, Gurugram
- 2-TypeB, Residence, Gardaniabagh Patna Near Bapu Tower
- 3- Atal prena Sthal LDA Lucknow
- 4- UPPWD Destrict Hospital, Lakhimpur
- 5- UPPWD Destrict Hospital, Bulandsahar



2000KLD STP DELHI AIIMS



WTP BULANDSHAR MEDICAL COLLEGE



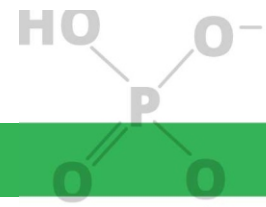
ETP BULANDSHAR MEDICAL COLLEGE



EKANA SPORTS STADIUM LUCKNOW



STP BULANDSHAR MEDICAL COLLEGE



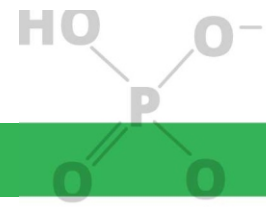
API ANSAL STP 5 MLD



API ANSAL STP 120 KLD



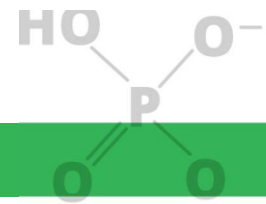
ORO UF+STP



Excella Kutumbh Stp



ORO ELEMENTS WTP



MBBR STP DEOVRA GALLERY

AN ENGINEERS & CHEMICALS

GST NO.- 09DOVPS5322P1ZS

Mob.: - 9335192773

फैक्टरी पता:

**आर. जी. संख्या 282 ग्राम जैनपुर तहसील अकबरपुर
कानपुर देहात, उत्तर प्रदेश पिन - 209311**



Manufacturing

SOME OF OUR PRESTIGIOUS CLIENT



OFFICES AND CONTACT DETAILS

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Lucknow Office:

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Lucknow -226021

Tool Free No. **7905824432**

Get in touch

Contact us today to explore how our water and wastewater solutions can meet your specific needs. We are dedicated to delivering sustainable, efficient, and reliable systems to enhance water quality and environmental sustainability.

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9335192773,6386264077