



WFS
INSTRUMENTS
PVT. LTD.



WASTE & WASTEWATER MANAGEMENT

Waste water management system have come a long way and has become mandatory for industries producing effluents. Safety, efficiency and reliability are the basic requirements for building the system. Today they are controlled and supervised by PLC, HMI & SCADA.

With new technologies available we have commissioned systems for Remote controls of pumps, Blowers and Diagnosed & rectified PLC program and breakdowns from remote locations.

Frequent water treatment projects:

- Well and surface source pumps
- Filter consoles
- Purification systems – RO, UV-HSRO-EDI, MGF & Softners
- De-gasifiers
- Reverse osmosis
- In-plant and remote pump controls
- Tank level monitoring
- Raw sewage lift stations
- Aeration basins

SPECIFICATIONS :

Benefits of Wastewater Treatment:-

Waste Reduction:- Through the treatment of wastewater, the amount of waste that is usually released into the environment is reduced thus improving environment's health. By doing so, the government in turn reduces the health risks associated with environmental pollution, and reduces the water loss induced through water pollution. Wastewater treatment also reduces the amount of money spent by a country on environmental rehabilitation projects required to battle pollution.

Energy Production:- The sludge collected during the treatment process is itself treated because it contains a large amount of biodegradable material. It is treated with anaerobic bacteria in special fully enclosed digesters heated to 35 degrees Celsius, an area where these anaerobic microorganisms thrive without any oxygen. The gas produced during this anaerobic digestion process contains a large amount of methane, which is harvested and then burned to generate electricity.

Fertilizer Production:- Any biodegradable material remaining is dried in "drying lagoons" and is then turned into natural fertilizer. The resulting natural fertilizer is then used in the agricultural sector, increasing crop yields. This decreases the use of chemical fertilizers that pollute the surrounding marine and surface ecosystems.



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