

INDUS ECOWATER

Innovative & Affordable Sewage Solutions

Sewage Treatment Plant Automation



EASY

**REPORTING
AUTOMATION
RECORD KEEPING
REMOTE MONITORING**



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www.modernstp.com



Say Good Bye to Skilled STP Operators

Existing STP can also be Automated



100 % Automation

Operation of feed pumps, air blowers, sludge pumps, filter feed pumps and dosing pumps is automatic. where working / stand by are provided, they interchange after set time automatically.

No Operator

GEPSTP needs Operator just for bar screen cleaning and hypo mixing. Operator will be alerted by an SMS message in case of any break down. He has to attend the break down.



Eco mode

When sewage flows are lesser, eco mode reduces blower operation and saves electricity. if sewage load is 50%, the power consumption is 50%. savings of 50% on energy cost. Great !!! Isn't it ?

Record Keeping

Our central computer gets information on all operational parameters like flow rate, flow volume, pumps / blowers operation, critical alerts. We send this info to user every month.



Automatic Multiport Valves

Sand filter and carbon filter have automatic multiport valves. They back wash and rinse automatically as per programming.



RS - 485 Connectivity

Micro controller has RS - 485 connectivity to enable data transfer to computer / BMS if required.



Micro Processor Design

Innovative micro processor based automation eliminates complexity of PLC, HMI. micro processors are economical and user friendly.

Easy Programming

Even a lay man can programm various inputs like pumps, blowers etc. No need for specialist programmer.



Working / Stand by

Duty cycle of working / stand by pumps and blowers can be programmed. After the set duration working unit will switch off and stand by unit will switch on. If the stand by fails to switch on, the earlier working unit will switch on and a critical alert is sent to the operator.

Critical Alerts

Critical alerts are defined in programming. Raw water tank level high, treated water tank level high, pump / blower failure, dosing pump dry run are some critical conditions & generate an alert. The operator is expected to correct the problem.



Tank Levels

Float sensors in collection tank, pre filter tank will activate pumps only if water is available for process. This prevents dry run & burn out of pumps.

Power Monitor

An electronic power monitor keeps track of input voltage and prevents failures due to low voltage and single phase. it even records the power consumption on mains and DG backup to help you control cost.



For More Details : <http://www.modernstp.com/customized-automation.php>