

Remote Monitoring of Water Treatment Plants

Need for remote monitoring:

1. Limited access of qualified engineers at remote sites
2. Possible human related errors in monitoring
3. Enhanced troubleshooting
4. Comprehensive monitoring for preventive maintenance
5. Continuous monitoring reduces possibility of plant shutdown
6. Real-time reports



What parameters will be monitored in a standard system?

Upto 14 analog parameters such as flow, conductivity, ORP, pH and upto 13 digital parameters such as ON/OFF Monitoring of pumps, valves, switches can be monitored in the standard module of this system.

Based on the Availability of suitable instruments at client's site, certain amount of customization also can be incorporated.



- Instruments must be available at client's site, which can provide 4 to 20mA analog inputs to remote monitoring system. (Optional : Instruments)
- Specifications of controller unit:
 - Approx. 220mm (L) X 170mm (W) and 50mm (D).
 - I/O unit to be placed inside the panel, base unit in supervisor's room, within 10 meters of distance.
 - Screw mountable type.
 - Clearance space for antenna height required (Height of coil wound antenna 290mm).
 - Maximum weight of the units will be approx. 500 grams.

Features of this package:

1. Online web based parameter analysis by IESL's technical team
2. IESL's technical team's 24 X 7 monitoring, immediate alert and attention to potential problem at customer's site
3. Works independent of customer's existing hardware & software set-up
4. Monthly reports on parameters' performance
5. Enhances life of equipments
6. Enables customer to plan for replacement of membrane, etc. , due to continuous monitoring



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