



Alfa Engineering Solutions

ONLINE CONTINUOUS EMISSION MONITORING SYSTEMS

- Effluent Treatment Plant
- Sewage Treatment Plants
- Air Pollution Monitoring System



CENTRAL POLLUTION CONTROL BOARD



Alfa Engineering Solution

WATER & WASTE WATER MANAGEMENT COMPANY

We are well known service provider of Total Water Management Products. The offered range of Total Water Management Products is designed & developed utilizing high grade raw material and highly modern machines in strict tandem with the industry laid norms and standards. Basically our service line includes Industrial Waste Water Recycling Systems Manufacturer, Water Softener Plants, Industrial Waste Water Treatment Plants and many more.

ONLINE CONTINUOUS EMISSION MONITORING SYSTEMS

Alfa Engineering provide one stop solutions to all your environmental clearance and consent related parameters as per followed by CPCB and SPCB guidelines . Ranging from implementing Monitoring devices for STP/ETP to designing and installing STP/ETP and from renewable energy to waste management solutions you can count on us.

Central Pollution Control Board vide its letter No. B-29016/04/06PCI-1/5401 dated 05.02.2014 issued directions under section 18(1)b of the Water and Air Acts to the State Pollution Control Boards and Pollution Control Committees for directing the 17 categories of highly polluting industries such as :

Pulp & Paper, Distillery, Sugar, Tanneries, Power Plants, Cement, Oil Refineries, Fertilizer, Chloral Alkali Plants, Dye & Dye Intermediate Units, Pesticides and Pharma Sector, Common Effluent Treatment Plants (CETP) and STPs, Common Bio Medical Waste and Common Hazardous Waste Incinerators for installation of online effluent quality and common emission monitoring systems to help track the discharges of pollutants from these units.



Features

- COD, BOD & TSS Online Monitoring by UV - VIS Absorption
- Measurement of Organic Matter at Water Source
- Measurement of Organic Matter on the Process Line
- Continuous Measurement with Low Maintenance



Save Air & Water for Future...
Make it a Better Place to Sustain!!!

Our single configuration for BOD, COD, TSS, Ph, Flow including Data uploading includes:

- Online TOC Analyzer
- TSS sensor with analyzer
- PH sensor with Analyzer
- Flow meter
- Data Acquisition system with software
- Data uploading software from DAS/Client PC to SPCB and CPCB

Accuracy - Stated by PCB to be +5%- Our equipment ranges a optimum value of 2% Response time per sample- Stated to be minimum One reading each 2 minute- Ours being 60 Reading each minute

Data transmission - No intermediate computer to be installed - Our system is compatible without computer Water matrix adaptation - ONLY OUR SYSTEM is able to adapt 12 different water matrices. Certification- TUV certification is compulsory- Our system is TUV certified other advantages Automatic continuous cleaning , no human intervention required. No chemical reagents required for reaction or for cleaning.No external Air compressor or water pump required for sampling Absolutely Maintenance free equipment Works at room temperature.

The complete solution is plug and play- no cabling except for power supply to the controller is required from your end. In addition to the monitoring system, our services include online real time data transfer to **CPCB/ MPCB** through our server, if required. All data can be visualised on cloud server with real time data, historical trends, graphs, charts, data logs, excel files all available on demand.

Analogue outputs are available for connecting to your **PLC/DCS/SCADA** system, as maybe your requirement.

To cater the variegated demands of our prestigious clients, we are the prominent supplier to offer a wide range of product to our clients. Our offered product is precisely designed and using the best grade basic material and modern technology. The provided product is highly appreciated by our clients owing to its optimum strength and durability. Furthermore, to avoid any flaws, the offered product is tested by our quality controllers on various quality parameters



ONLINE MONITORING SYSTEM PROCESSING

STP / ETP

ANALYZER MAKE HORIBA OPSA 150

FLOW METER

OUTLET

SAMPLING LINE

DATA

ENCRYPTED DATA TRANSMISSION

SERVERS

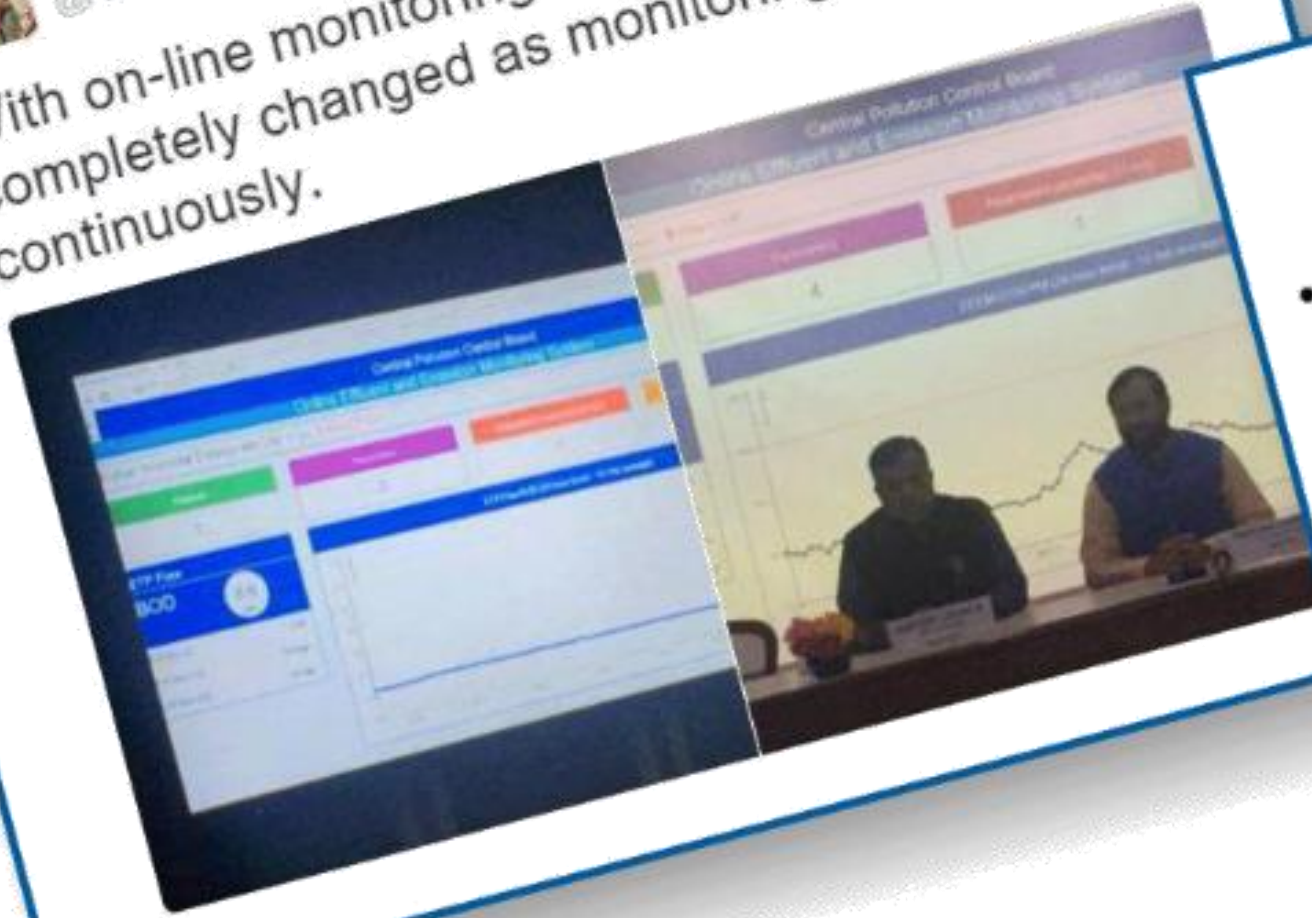


Principle : 2 Light Path, 2 Wavelength cell length modulation rotary type
Automatic cleaning , Accuracy / Stability / Linearity $\pm 2\%$
TUV Certified

FINAL TREATED TANK

ORGANIC POLLUTION MONITOR

Prakash Javadekar
@PrakashJavadekar
With on-line monitoring the situation has completely changed as monitoring can be done continuously.



Goals of Online environmental monitoring system

- Improved control over impacts on environment
- Higher environmental awareness
- Increased management responsibility (regulatory compliance)
- Self Monitoring mechanism within the cost-effectiveness
- Increased public access to information (inspection)

Few of our Clients →



Alfa Engineering Solutions

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