



#startupindia

# **EIE Comprehensive Solutions**

*Innovating for a Cleaner Tomorrow...*



**Environmental  
Monitoring  
&  
Pollution  
Abatement**

**TOTAL ENVIRONMENTAL SOLUTIONS**

# Environmental Monitoring

## OCEMS (Online Continuous Effluent Monitoring System)



<b>Technology</b>	UV / UV-Viz Absorption
<b>Parameters</b>	BOD, COD, TSS, pH <b>Alternative Parameters available on request</b>
<b>Range</b>	BOD: 0-15/25/50/100 mg/l or ppm COD: 0-50/100/200/500 mg/l or ppm TSS: 0-20/50/100/150 mg/l or ppm pH: 6.5 - 14 <b>Alternative Ranges available on request</b>
<b>Type</b>	Full Wave Spectrum
<b>Origin</b>	Europe
<b>Approval</b>	TUV Certified & CPCB Approved

## CEMS (Continuous Emission Monitoring System)



<b>AQI Analyzer</b>	
<b>Technology</b>	Opacity, Tribo Electric
<b>Parameters</b>	SPM
<b>Range</b>	0-800 ppm, 0-1000 µg/m3
<b>Type</b>	Online SPM Analyzer
<b>Origin</b>	Imported / Indian (TUV Certified)
<b>Gas Analyzer</b>	
<b>Technology</b>	Actual NDIR based technology
<b>Parameters</b>	SOx, NOx, CO
<b>Range</b>	0-500 ppm
<b>Type</b>	Online Emission Monitoring System
<b>Origin</b>	Imported (TUV Certified)

## Ambient Air Quality Monitoring System



<b>Technology</b>	UV fluorescence, Chemiluminescence, Beta-Ray attenuation
<b>Range</b>	Min: 0100 nmol/mol (ppb) Max: (020) µmol/mol (ppm)
<b>Materials</b>	Polycarbonate
<b>Ingress Protection</b>	IP67
<b>Temperature Range</b>	-20°C to 60°C
<b>Battery</b>	Lithium-Ion
<b>Display Size</b>	3.5 X 7 inches
<b>Communication Channel</b>	GSM / Wi-Fi
<b>Parameters</b>	PM 2.5, PM 10, O <sub>2</sub> , SO <sub>2</sub> , NO <sub>2</sub> , CO, H <sub>2</sub> S, NH <sub>3</sub> , CO <sub>2</sub> , O <sub>3</sub> , VOC, H <sub>2</sub> , Cl <sub>2</sub> , HCL, HF, Humidity, Temperature (Selectively).



### Ground Water level - Piezometer

Technology	Piezoelectric Principle
Range	0-10 bar
Output Signal	4-20mA, RS 485
Measured Range	0-200 mtr.
Accuracy	0.2%FS/Year, +0.5%FS/Year.
Stability	0.25% FS/Year
Housing Material	Stainless Steel
Cable Material	PTFE, PVF
Power Supply	12VDC



### Electromagnetic Flow Meter

Technology	Electromagnetic
Range	DN 15-1000mm
Accuracy	0.5% of the full scale
Lining Material	PTFE, Hard Rubber, and Polyurethane
Electrode Material	SS316, Hastelloy C, Titanium
Temperature Range	10°C to 120°C
Display Type	Integral or Remote
Protection Class	IP65, IP68
Output Signals	4-20 mA, RS485

### Pan-Tilt-Zoom Camera (PTZ Camera)



Zoom	10x or More
Resolution	25/30 fps @1080p, 50/60 fps @720p
Range	100 Meters
Storage	1TB Hard Disk
Built In	2/1 alarm in/out, IP66, SD Card, PoE Plus etc.



### Anti-Smog Gun

Fan Motor Power	5 HP
Water Pump	2 HP (Lubi)
Coverage	Up to 30/50/75/100 mtr.
Nozzle Specs.	5-20 Micron
Max Water Consumption	1000-12000 L/hr.
Canon Adjusting Hack	0-60 with Hydraulic Jack

### PM Sensor



Mass concentration size range	PM 2.5 - 0.3 to 2.5 µm PM 10 - 0.3 to 10.0 µm
Sensor output characteristics	PM2.5 mass concentration
Mass concentration specified range	0 to 1'000 µg/m3
Sample detection method	Cyclone Type
Laser wavelength	660 nm.

### Data Transmission & Connectivity to CPCB / SPCB's



# Waste Water Management

- ▶ **New Plants for Water / Waste Water Treatment**
  - WTP / RO / STP / ETP / UF
- ▶ **Services - O & M (Operation & Maintenance)**
  - WTP / RO / STP / ETP / UF
- ▶ **Recycling & Reuse Projects**
- ▶ **Components of Water & Waste Water Plants**
- ▶ **Modification of STPs for meeting latest stringent compliances related to BOD / COD / TSS / pH.....etc**



## Some of Our Clients



## About EIECS

EIE Complete Solutions Pvt. Ltd. is a service-oriented organization specializing in innovative environmental solutions. We prioritize value before business and solutions before products, offering an end-to-end approach. Our highly competent leadership team, which includes Ex-CPCB members and BEE-certified energy auditors, ensures top-tier environmental monitoring and pollution abatement solutions. With a 1000+ customer base, we are committed to sustainable practices and are an equal opportunity employer, fostering a diverse and inclusive workplace.

**SECTORS  
WE  
SERVE**

- ▶ Infra Projects
- ▶ CETPs
- ▶ Distilleries
- ▶ Textiles
- ▶ Hospitality
- ▶ Pulp & Paper
- ▶ Metals
- ▶ Dairy
- ▶ Automotive
- ▶ Power Plants
- ▶ Chemical
- ▶ Pharma/Drugs
- ▶ Hotels
- ▶ Malls
- ▶ Laboratory

### Contact Us

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