

OUR TECHNICAL SERVICES

- § To assist in obtaining of Consent to Establish (CTE) and Consent to Operate (CTO)
- § Undertaking Environmental Impact Assessment (EIA) studies for obtaining Environment Clearance from SEAC / SEIAA, Government of Maharashtra and MoEF, New Delhi for different Industries & Infrastructure Projects.
- § Preparation of Environmental Management Plan (EMP)"
- § Undertaking Turn -key Projects including design, construction, erection and commissioning for Effluent Treatment Plant, Sewage Treatment Plant etc.
- § Preparation & Submission of Annual Reports & Environmental Statement and statutory requirements to State Pollution Control Boards.
- § Plant Performance Audit for Existing ETPs & STPs.
- § Liaison with State & Central Pollution Control Boards.
- § Training to Industries for effective Management & Handling of Hazardous Waste.
- § O & M of already existing CETP/ETP/WTP/STP.

OUR MAJOR CLIENTS



1. Mahavir Coal Washery Pvt Ltd
2. Mahavir Energy & Coal Benefication Ltd
3. MIDC-Amravati
4. Municipal Corporation-Bhilai
5. Municipal Corporation-Jalna
6. Municipal Corporation-Nagpur

7. Pinoura U/G Coal Mine
8. RBI, Bhubneshwar
9. Municipal Council-Umred
10. Vandana Global Ltd

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MAHARASHTRA ENVIRO POWER LIMITED

IMS Certified, NABL Accredited & MoEF Approved

LABORATORY



SPV of SMS Infrastructure Limited

"WE ENRICH NATURE"

Our Analytical Services

CHEMISTRY

(Water, Waste Water, Soil & General)

Water, Waste Water : Colour Odour, pH, Turbidity, Conductivity, Total Solids, Total Dissolved Solids, Total Suspended Solids, Organic Solids, Inorganic Solids, Acidity, Total Alkalinity, Dissolved Oxygen, Total Hardness as CaCO₃, Nitrate, Nitrite, Chloride, Sulphate, Sulphide, Phosphate, Free Residual Chlorine, Silica, Boron, Ammonical Nitrogen, Total Nitrogen, Free Ammonia, COD (Chemical Oxygen Demand), BOD (Biological Oxygen Demand), TOC, Phenolic Compound, Mineral Oil, Metals (Ba, Cu, Fe, Mn, Zn, Ag, Al, Se, Na, Ca, Mg, Sb, Hg, Cd, As, Pb, Cr, Ni, U), Poly Chlorinated Biphenyls, Poly-Aromatic Hydrocarbons, Total Pesticide, Residue, etc.

Soil & Fertilizer : pH, Moisture, Bulk Density, Acidity, Alkalinity, Total Phosphate, Water Soluble Phosphate, Water Soluble Potash, Particle Size, Micro Nutrients (Fe, Cu, Zn, Mg, Mn, Ar, S), etc.

General (Thermic Fluid, Waste Oil, Petroleum Products, Fuels, Fly Ash, Chemical Solutions) : Gross Calorific Value, Density, Ash, Specific Gravity, Boiling Point, Moisture Content, Water Content, Flash Point, Fire Point, Cloud Point, Pour Point, Sediment, Kinematic Viscosity at 40°C & 100°C, Viscosity Index, Copper Strip Corrosion, Neutralization, Specific Heat, Sulphur, Lead, Cadmium, Chromium, Nickel, Arsenic, etc.



AIR

Air, Stack emission, Noise Level, Illumination Level, Wind Direction: Sulphur Dioxide, Nitrogen Dioxide, Particulate Matter (PM10 & PM2.5), Lead, Carbon Mono-oxide, Ammonia, Benzo (a) Pyrene, Benzene, Arsenic, Nickel, Total Particulate Matter, Oxygen, Carbon Dioxide, Acid Mist, etc.

COAL

Total Moisture, Inherent Moisture, Ash Content, Volatile Matter, Fixed Carbon, Total Sulphur, Ultimate Analysis (Carbon, Hydrogen, Nitrogen, Sulphur), Gross Calorific Value, etc.

HAZARDOUS WASTE

Colour, Odour, pH, Calorific Value, Loss on Ignition, Loss on Drying, Ash Content, Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Texture, Specific Gravity, Viscosity, Flash Point, Oil & Grease, Total Phenols, Fluoride, Nitrate, Aluminium, Cobalt, Zinc, Cr6+, Physical State, Iron, Sulphate, Chloride, Manganese, PFLT (Paint Filter Liquid Test), LRT (Liquid Release Test), etc.

MICRO BIOLOGY

Water & Waste Water: Total Coliform, Thermotolerant, Escherichia Coli, Fecal & Non Fecal Coliform, Total Plate Count/ Total Viable Aerobic Count, Standard Plate Count, Combined Plate Count, Leptospira Bacteria, Salmonella Species, Pseudomonas Aeruginosa, Staphylococcus Aureus, TPC at 20°C & 35°C, Yeast & Moulds, etc.

STATE OF ANALYTICAL FACILITIES

CHEMISTRY

- Atomic Absorption Spectrophotometer (AAS)
- Gas Chromatograph with Mass Spectrometer (GCMS)
- Mercury Analyzer
- UV-Visible Spectrophotometer
- COD Digester
- TCLP Extractor
- Flash & Fire Point Analyzer
- Flame Photometer
- Bomb Calorimeter
- Rotary Evaporator
- Viscometer



AIR

- PM10
- PM2.5
- Stack Emission

MICRO BIOLOGY

- Laminar Air Flow
- BOD Incubator
- Autoclave
- Centrifuge
- Digital Colony Counter
- Microscope

KEY SKILLS

- We are conducting in house training on quarterly basis for the up gradation of our experts.
- Participating in PT (Proficiency Test) & ILC (Inter Laboratory Comparison) for checking chemist's Competency.
- We are providing regular trainings for extra candidates.

WHY ASSOCIATION WITH "MEPL"

- § We are "IMS" (Integrated Management Services) Certified Laboratory.
- § We have "NABL" (National Board for Testing & Calibration Laboratory) accreditation.
- § We are "MoEF" (Ministry of Environment & Forest) approved Laboratory.
- § We have well equipped Ultra-modern Laboratory, State of Art Analytical Facilities & Most Expertise Staff to deliver the best services.

