

## **CAPABILITIES:**

Regional Laboratory Pune is carrying out analysis of following Parameters

<b>WATER SECTION</b>	
<b>I) Physical Parameter</b>	Colour, Conductivity, pH, All Solids ( Fixed, Volatile, Dissolved, Suspended, Settelable & Total solids ), Temperature, Turbidity, Velocity of flow, Flocculation Test, Salinity & Sludge Volume Index.
<b>II) Chemical Parameter</b>	<p><u>General &amp; Non metallic</u>- Acidity, Alkalinity (Carbonate &amp; Bicarbonate), Ammonia, Ammonical nitrogen, Nitrate, Nitrite, TKN, Chloride, Residual chlorine, Dissolved Oxygen, Fluoride, Total Hardness, Phosphate, Sulphate, Bromide, Cyanide, Sulphide.</p> <p><u>Trace Metals</u>- Boron, Cadmium, Calcium, Chromium (Total &amp; Hexavalent), Copper, Iron, Lead, Magnesium, Mercury, Nickel, Potassium, Sodium, SAR, % Sodium, Zinc, Arsenic, Aluminum, Manganese, Lithium, Cobalt, Silica,.</p> <p><u>Organics (General) and Trace organics</u> – BOD, COD, Oil &amp; Grease, Phenol, PAH, Detergent, Pesticides- 1. Organo- chlorine (BHC, DDT, Aldrin, Endosulphan) 2. Organo nitrogen- phosphorous (Malathion, methyl parathion, Chloropyriphos)</p>
<b>III) Microbiological Parameter</b>	Total Coliform, Faecal Coliform, Total Plate Count, E. Coli.
<b>IV) Toxicological Parameter</b>	Bio- Assay
<b>V) Other</b>	Bio- Monitoring, Spore Test
<b>AIR SECTION</b>	
<b>I) Ambient Parameter</b>	Oxides of nitrogen, Sulphur dioxide, Total Suspended Particulate Matter, Respirable Suspended Particulate Matter (PM 10), PM2.5, Lead, HCL, Ozone.
<b>II) Stack Parameter</b>	Particulate Matter, Sulphur dioxide, Velocity & Flow, Temperature, Oxides of nitrogen, Acid Mist, Fluoride, Hydro-chloric acid, Ammonia, Chlorine, Lead.
<b>HAZARDOUS WASTE SECTION</b>	
	<p><u>Haz. Waste</u> - Preparation of Leachate, Determination of Various parameters in Leachate i.e. metals, Corrosivity, Toxicity, Calorific Value, Nitrate, Chloride, Sulphate, Phosphate, Cyanide, Phenol</p> <p><u>Compost</u> - Moisture Content, Carbon, Hydrogen, Nitrogen, Sulphur, Carbon Nitrogen Ratio, TKN, pH, BOD, TDS, Ignitability, Conductivity, Potassium, TOC, Total Phosphorus.</p>
<b>BIO-MEDICAL WASTE SECTION</b>	
	Various Chemical parameters, Spore Test