



LiFE
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Environment

WEST BENGAL POLLUTION CONTROL BOARD

(Department of Environment, Government of West Bengal)

Paribesh Bhawan

Bldg. No. 10A, Block – LA, Sector – III, Bidhannagar, Kolkata – 700 106

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Memo No: 3343 -5/WPB-S/99 (Part-VII)

Date: 24.12.2024

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ORDER

In exercise of powers conferred under section 17(2) of the Water (Prevention and Control of Pollution) Act, 1974 and under section 17(2) of the Air (Prevention and Control of Pollution) Act, 1981, the West Bengal Pollution Control Board (hereinafter referred as the "State Board") is pleased to recognize the following laboratories for the purposes of environmental monitoring and analysis of parameters, mentioned against respective Laboratories, subject to the terms and conditions as stated in this order:

1. Recognition:

1.1 Following six (6) Laboratories are awarded with Provisional Recognition for 12 months (01.01.2025-31.12.2025)

Recognised Laboratory	M/s. Bharat Foundation 25/11A, K. P. Roy Lane, Kolkata-700031 Tel: 033-2405 5015 E mail: bharatfoundation@gmail.com
Approved Parameters	Group-A: Air and Noise Group-A₁ (Ambient Air): Nitrogen dioxide as NO ₂ , Sulphur dioxide (SO ₂), PM ₁₀ , PM _{2.5} , Ammonia, Ozone, Fluoride (Particulate/ Gaseous). Group-A₂ (Fugitive Emission): Total Suspended Particulate Matter (TSPM). Group-A₃ (Meteorological Monitoring): Ambient Temperature, Wind direction, Wind speed, Relative Humidity, Rain fall. Group-A₄ (Stack Gases/Source Emission): Particulate matter, Sulphur dioxide, Velocity & flow, Carbon dioxide, Carbon monoxide, Temperature, Oxygen, Oxides of nitrogen, Ammonia, Fluoride (Particulate/Gaseous). Group-A₅ (Noise Monitoring): Ambient Noise (Leq, Lmax, Lmin), Noise Source measurement. Group-B: Water and Waste Water Group-B₁ (Physical Tests): Conductivity, Colour, pH, Fixed & Volatile solids, Total solids, Total dissolved solids, Total suspended solids, Turbidity, Temperature, Velocity & discharge measurement of industrial effluent stream, Flocculation test (Jar test), Odour, Salinity, Settleable solids, Sludge volume index (SVI). Group-B₂ (Inorganic-General and Non-metallic): Acidity, Alkalinity, Ammoniacal nitrogen, Chloride, Chlorine residual, Dissolved oxygen, Fluoride, Total hardness, Total Kjeldal Nitrogen (TKN), Nitrate nitrogen, Phosphate, Sulphate, Carbon dioxide, Chlorine demand, Sulphite, Silica. Group-B₃ (Inorganic-Metals): Boron (B), Calcium (Ca), Chromium (Cr) Total, Chromium (Cr) Hexavalent, Copper (Cu), Iron (Fe), Magnesium (Mg), Potassium (K), Sodium (Na), Sodium absorption ratio (SAR), Arsenic (As). Group-B₄ (Organics-General & Trace Organics): Bio-chemical oxygen demand (BOD), Chemical oxygen demand (COD), Oil & Grease, Phenol. Group-B₅ (Microbiological Tests): Total Coliform, Fecal Coliform, E. Coli, Total Plate Count. Group-B₆ (Soil/Sludge/Sediment and Solid Waste): Electrical Conductivity (EC), Nitrogen available, Organic carbon/matter (chemical method), pH, Phosphorous (available), Potassium, SAR in soil extract, Sodium, Soil moisture, TKN, Calcium, Calcium carbonate, Chloride, Colour, Exchangeable sodium percentage (ESP), Mechanical soil analysis, Water holding capacity.
Recognised Laboratory	M/s. Eco Care Manoj Talkies Basement, Kumarpur, Asansol-713304 Tel: 0341 2252011, 9434064411 E mail: ecocareasansol@rediffmail.com

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Approved Parameters	<p>Group-A: Air and Noise</p> <p>Group-A₁ (Ambient Air): Nitrogen dioxide as NO₂, Sulphur dioxide (SO₂), PM₁₀, PM_{2.5}, Ammonia, Ozone, Fluoride (Particulate/ Gaseous).</p> <p>Group-A₂ (Fugitive Emission): Total Suspended Particulate Matter (TSPM).</p> <p>Group-A₃ (Meteorological Monitoring): Ambient Temperature, Wind direction, Wind speed, Relative Humidity, Rain fall, Mixing depth/Inversion height.</p> <p>Group-A₄ (Stack Gases/Source Emission): Particulate matter, Sulphur dioxide, Velocity & flow, Carbon dioxide, Carbon monoxide, Temperature, Oxygen, Oxides of nitrogen.</p> <p>Group-A₅ (Noise Monitoring): Ambient Noise (L_{eq}, L_{max}, L_{min}), Noise Source measurement.</p> <hr/> <p>Group-B: Water and Waste Water</p> <p>Group-B₁ (Physical Tests): Conductivity, Colour, pH, Total solids, Total dissolved solids, Total suspended solids, Turbidity, Temperature, Settleable solids.</p> <p>Group-B₂ (Inorganic-General and Non-metallic): Acidity, Alkalinity, Free Ammonia, Ammoniacal nitrogen, Chloride, Chlorine residual, Dissolved oxygen, Fluoride, Total hardness, Total Kjeldahl Nitrogen (TKN), Nitrite nitrogen, Nitrate nitrogen, Total Nitrogen, Phosphate, Dissolved Phosphate, Total Phosphorus, Sulphate, Silica.</p> <p>Group-B₃ (Inorganic-Metals): Calcium (Ca), Chromium (Cr) Total, Chromium (Cr) Hexavalent, Iron (Fe), Magnesium (Mg), Arsenic (As).</p> <p>Group-B₄ (Organics-General & Trace Organics): Bio-chemical oxygen demand (BOD), Chemical oxygen demand (COD), Oil & Grease.</p>
Recognised Laboratory	<p>M/s. Envirocheck</p> <p>189, 190, 51, 185, 186 Rastraguru Avenue, Kolkata-700028</p> <p>Tel: 033-25792891</p> <p>E mail: envirocheck50@gmail.com</p>
Approved Parameters	<p>Group-A: Air and Noise</p> <p>Group-A₁ (Ambient Air): Nitrogen dioxide as NO₂, Sulphur dioxide (SO₂), PM₁₀, PM_{2.5}, Ammonia, Carbon monoxide, Ozone, Lead, Chlorine, Fluoride (Particulate/Gaseous), Non methane hydrocarbon, Methane, Benzene, Benzo(a)pyrene, Volatile Organic Carbon, Nickel, Arsenic.</p> <p>Group-A₂ (Fugitive Emission): Total Suspended Particulate Matter (TSPM).</p> <p>Group-A₃ (Meteorological Monitoring): Ambient Temperature, Wind direction, Wind speed, Relative Humidity, Solar radiation, Rain fall, Mixing depth/Inversion height.</p> <p>Group-A₄ (Stack Gases/Source Emission): Particulate matter, Sulphur dioxide, Velocity & flow, Carbon dioxide, Carbon monoxide, Temperature, Oxygen, Oxides of nitrogen, Acid mist, Ammonia, Chlorine, Fluoride (Particulate/Gaseous), Hydrochloric acid, Total Hydro carbon, Hydrogen Sulphide, Carbon disulphide.</p> <p>Group-A₅ (Noise Monitoring): Ambient Noise (L_{eq}, L_{max}, L_{min}), Noise Source measurement.</p> <hr/> <p>Group-B: Water and Waste Water</p> <p>Group-B₁ (Physical Tests): Conductivity, Colour, pH, Fixed & volatile solids, Total solids, Total dissolved solids, Total suspended solids, Turbidity, Temperature, Velocity & discharge measurement of industrial effluent stream, Flocculation test (Jar test), Odour, Salinity, Settleable solids, Sludge volume index (SVI).</p> <p>Group-B₂ (Inorganic-General and Non-metallic): Acidity, Alkalinity, Ammoniacal nitrogen, Chloride, Chlorine residual, Dissolved oxygen, Fluoride, Total hardness, Total Kjeldahl Nitrogen (TKN), Nitrite nitrogen, Nitrate nitrogen, Phosphate, Sulphate, Bromide, Carbon dioxide, Chlorine demand, Iodine, Sulphite, Silica, Cyanide, Sulphide.</p> <p>Group-B₃ (Inorganic-Metals): Boron (B), Cadmium (Cd), Calcium (Ca), Chromium (Cr) Total, Chromium (Cr) Hexavalent, Copper (Cu), Iron (Fe), Lead (Pb), Magnesium (Mg), Mercury (Hg), Nickel (Ni), Potassium (K), Sodium (Na), Sodium absorption ratio (SAR), Zinc (Zn), Arsenic (As), Aluminium (Al), Beryllium (Be), Barium (Ba), Lithium (Li), Manganese (Mn), Selenium (Se), Silver (Ag), Strontium (Sr), Tin (Sn), Antimony (Sb), Cobalt (Co), Vanadium (V).</p> <p>Group-B₄ (Organics-General & Trace Organics): Bio-chemical oxygen demand (BOD), Chemical oxygen demand (COD), Oil & Grease, Phenol, Pesticide: Organo-chlorine, Pesticide: Organo nitrogen-phosphorous, Total organic carbon (TOC), Adsorbable organic halide (AOX), Surface Active Agents, Tannin & lignin, Poly-chlorinated biphenyl (PCB's) each, Polynuclear aromatic hydrocarbon (PAH) each, Organic Carbon (in solid), Carbon/Nitrogen ratio.</p>

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	<p>Group-B₅ (Microbiological Tests): Total Coliform, Fecal Coliform, Fecal Streptococci, E. Coli, Total Plate Count, Enterococcus, Coliphage.</p> <p>Group-B₆ (Toxicological tests): Bioassay method for evaluation of toxicity using fish (90% survival of fish after 96 hrs. in 100% effluent), Bio-accumulation, biomagnification and bio transformation studies, Estimation of the effect at tissue level, Measurement of toxicity using Daphnia or other organism, Measurement of toxicity factor using zebra fish (dimensionless toxicity test).</p> <p>Group-B₇ (Biological Test): Benthic organism identification and count, Macrophytic identification, Planktonic identification count, Measurement of various diversity index, Saprobity Index, Chlorophyll, Primary productivity, P/R Ratio.</p> <p>Group-B₈ (Characterization of Hazardous waste): Preparation of Leachate (TCLP extract/water extract), Corrosivity, Ignitability (Flash point), Reactivity, Toxicity, Measurement of heavy metals/pesticides in the waste/leachate.</p> <p>Group-B₉ (Soil/ Sludge/Sediment and Solid Waste): Boron, Cation Exchange Capacity (CEC), Electrical Conductivity (EC), Nitrogen available, Organic carbon/matter (chemical method), pH, Phosphorous (available), Phosphate (ortho), Phosphate (total), Potassium, SAR in soil extract, Sodium, Soil moisture, TKN, Calorific value, Ammonia, Bicarbonate, Calcium, Calcium carbonate, Chloride, Colour, Exchangeable sodium percentage (ESP), Heavy metal, Magnesium, Mechanical soil analysis, Nitrate, Nitrite, PAH, Pesticide, Potash (available), Sulphate, Sulphur, TOC, Total water soluble salt, Water holding capacity.</p>
Recognised Laboratory	<p>M/s. Good Earth Enviro Care LLP 306, S. D. Park, Kusumba, P.O.-Narendrapur, Kolkata-700103 Tel: 033 2956 4301, Mob: 9831326105 E mail: geec.debasish@gmail.com</p>
Approved Parameters	<p>Group-A: Air and Noise Group-A₁ (Ambient Air): Nitrogen dioxide as NO₂, Sulphur dioxide (SO₂), PM₁₀, PM_{2.5}, Ammonia, Ozone, Lead, Benzene, Benzo(a)pyrene, Nickel, Arsenic. Group-A₃ (Meteorological Monitoring): Ambient Temperature, Wind direction, Wind speed, Relative Humidity, Rain fall. Group-A₄ (Stack Gases/Source Emission): Particulate matter, Sulphur dioxide, Velocity & flow, Carbon dioxide, Carbon monoxide, Temperature, Oxygen, Oxides of nitrogen. Group-A₅ (Noise Monitoring): Ambient Noise (L_{eq}, L_{max}, L_{min}), Noise Source measurement.</p> <p>Group-B: Water and Waste Water Group-B₁ (Physical Tests): Conductivity, pH, Fixed & volatile solids, Total solids, Total dissolved solids, Total suspended solids, Turbidity, Temperature. Group-B₂ (Inorganic-General and Non-metallic): Acidity, Alkalinity, Free Ammonia, Ammoniacal nitrogen, Chloride, Chlorine residual, Dissolved oxygen, Total hardness, Total Kjehldal Nitrogen (TKN), Nitrite nitrogen, Nitrate nitrogen, Total Nitrogen, Phosphate, Dissolved Phosphate, Total Phosphorus, Sulphate, Silica, Cyanide, Sulphide. Group-B₃ (Inorganic-Metals): Boron (B), Cadmium (Cd), Calcium (Ca), Chromium (Cr) Total, Chromium (Cr) Hexavalent, Copper (Cu), Iron (Fe), Lead (Pb), Magnesium (Mg), Mercury (Hg), Nickel (Ni), Potassium (K), Sodium (Na), Sodium absorption ratio (SAR), Zinc (Zn), Arsenic (As), Aluminium (Al), Manganese (Mn), Selenium (Se). Group-B₄ (Organics-General & Trace Organics): Bio-chemical oxygen demand (BOD), Chemical oxygen demand (COD), Oil & Grease, Phenol, Pesticide: Organo-chlorine, Pesticide: Organo nitrogen-phosphorous. Group-B₅ (Microbiological Tests): Total Coliform, Fecal Coliform, E. Coli, Total Plate Count. Group-B₉ (Soil/ Sludge/Sediment and Solid Waste): Electrical Conductivity (EC), Nitrogen available, Organic carbon/matter (chemical method), pH, Phosphorous (available), Phosphate (total), Potassium, Sodium, Soil moisture, TKN, Ammonia, Calcium, Chloride, Heavy metal, Magnesium.</p>
Recognised Laboratory	<p>M/s. Indicative Consultant India HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur-721602 Mob: 9434017584, 9830964194, 7797506973</p>
Approved Parameters	<p>Group-A: Air and Noise Group-A₁ (Ambient Air): Nitrogen dioxide as NO₂, Sulphur dioxide (SO₂), PM₁₀, PM_{2.5}, Ammonia, Carbon monoxide, Ozone. Group-A₂ (Fugitive Emission): Total Suspended Particulate Matter (TSPM).</p>

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	<p>Group-A₃ (Meteorological Monitoring): Ambient Temperature, Wind direction, Wind speed, Relative Humidity, Rain fall.</p> <p>Group-A₄ (Stack Gases/Source Emission): Particulate matter, Sulphur dioxide, Velocity & flow, Carbon dioxide, Carbon monoxide, Temperature, Oxygen, Oxides of nitrogen.</p> <p>Group-A₅ (Noise Monitoring): Ambient Noise (L_{eq}, L_{max}, L_{min}), Noise Source measurement.</p>
	<p>Group-B: Water and Waste Water</p> <p>Group-B₁ (Physical Tests): Conductivity, Colour, pH, Fixed & volatile solids, Total solids, Total dissolved solids, Total suspended solids, Turbidity, Temperature, Odour, Salinity, Settleable solids, Sludge volume index (SVI).</p> <p>Group-B₂ (Inorganic-General and Non-metallic): Acidity, Alkalinity, Free Ammonia, Ammoniacal nitrogen, Chloride, Chlorine residual, Dissolved oxygen, Fluoride, Total hardness, Total Kjeldahl Nitrogen (TKN), Nitrite nitrogen, Nitrate nitrogen, Total Nitrogen, Phosphate, Dissolved Phosphate, Total Phosphorus, Sulphate, Bromide, Silica, Sulphide.</p> <p>Group-B₃ (Inorganic-Metals): Boron (B), Calcium (Ca), Chromium (Cr) Total, Chromium (Cr) Hexavalent, Iron (Fe), Magnesium (Mg), Potassium (K), Sodium (Na), Sodium absorption ratio (SAR), Arsenic (As).</p> <p>Group-B₄ (Organics-General & Trace Organics): Bio-chemical oxygen demand (BOD), Chemical oxygen demand (COD), Oil & Grease, Phenol, Anionic Detergents.</p> <p>Group-B₅ (Soil/ Sludge/Sediment and Solid Waste): Boron, Cation Exchange Capacity (CEC), Electrical Conductivity (EC), Nitrogen available, Organic carbon/matter (chemical method), pH, Phosphorous (available), Phosphate (ortho), Phosphate (total), Potassium, SAR in soil extract, Sodium, Soil moisture, TKN, Calorific value, Ammonia, Bicarbonate, Calcium, Calcium carbonate, Chloride, Gypsum requirement, H. Acid, Magnesium, Nitrate, Nitrite, Sulphate, Sulphur, TOC, Total water soluble salt, Water holding capacity.</p>
Recognised Laboratory	<p>M/s. J. M. Biotech Pvt. Ltd. Sipta, Manasdanga Gram, P.O.-Amila, P.S.-Raina, Purba Bardhaman-713423 Tel: 9830029554 E mail: t.sengupta@jmbiotech.com</p>
Approved Parameters	<p>Group-A: Air and Noise</p> <p>Group-A₁ (Ambient Air): Nitrogen dioxide as NO₂, Sulphur dioxide (SO₂), PM₁₀, PM_{2.5}, Ammonia.</p> <p>Group-A₂ (Fugitive Emission): Total Suspended Particulate Matter (TSPM).</p> <p>Group-A₃ (Meteorological Monitoring): Ambient Temperature, Wind direction, Wind speed, Relative Humidity, Rain fall.</p> <p>Group-A₄ (Stack Gases/Source Emission): Particulate matter, Sulphur dioxide, Velocity & flow, Carbon dioxide, Carbon monoxide, Temperature, Oxygen, Oxides of nitrogen.</p> <p>Group-A₅ (Noise Monitoring): Ambient Noise (L_{eq}, L_{max}, L_{min}), Noise Source measurement.</p> <p>Group-B: Water and Waste Water</p> <p>Group-B₁ (Physical Tests): Conductivity, pH, Fixed & volatile solids, Total solids, Total dissolved solids, Total suspended solids, Turbidity, Temperature.</p> <p>Group-B₂ (Inorganic-General and Non-metallic): Acidity, Alkalinity, Ammoniacal nitrogen, Chloride, Chlorine residual, Dissolved oxygen, Total hardness, Total Kjeldahl Nitrogen (TKN), Phosphate, Sulphate, Silica.</p> <p>Group-B₃ (Inorganic-Metals): Calcium (Ca), Chromium (Cr) Hexavalent, Iron (Fe), Magnesium (Mg).</p> <p>Group-B₄ (Organics-General & Trace Organics): Bio-chemical oxygen demand (BOD), Chemical oxygen demand (COD), Oil & Grease, Phenol.</p> <p>Group-B₅ (Soil/ Sludge/Sediment and Solid Waste): Electrical Conductivity (EC), Nitrogen available, Organic carbon/matter (chemical method), pH, Phosphorous (available), Phosphate (total), Soil moisture, TKN.</p>

1.2 Following four (4) Laboratories are awarded with Provisional Recognition for 6 months (01.01.2025-30.06.2025)

Recognised Laboratory	<p>CSIR-Central Mechanical Engineering Research Institute (CSIR-CMERI) Material & Structural Evaluation Group (MSEG), Mahatma Gandhi Avenue, Durgapur-713209 Ph.: 9434029494 E mail: srd@cmeri.res.in</p>
Approved Parameters	<p>Group-B: Water and Waste Water</p> <p>Group-B₁ (Physical Tests): Conductivity, Colour, pH, Fixed & volatile solids, Total solids, Total dissolved solids, Total suspended solids, Turbidity, Salinity.</p>

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	<p>Group-B₂ (Inorganic-General and Non-metallic): Alkalinity, Ammoniacal nitrogen, Chloride, Chlorine residual, Dissolved oxygen, Fluoride, Total hardness, Total Kjehldal Nitrogen (TKN), Nitrate nitrogen, Phosphate, Sulphate, Silica.</p> <p>Group-B₃ (Inorganic-Metals): Cadmium (Cd), Calcium (Ca), Chromium (Cr) Total, Chromium (Cr) Hexavalent, Copper (Cu), Iron (Fe), Lead (Pb), Magnesium (Mg), Mercury (Hg), Nickel (Ni), Potassium (K), Sodium (Na), Sodium absorption ratio (SAR), Zinc (Zn), Arsenic (As), Aluminium (Al), Manganese (Mn).</p> <p>Group-B₄ (Organics-General & Trace Organics): Bio-chemical oxygen demand (BOD), Chemical oxygen demand (COD), Oil & Grease, Phenol.</p> <p>Group-B₅ (Microbiological Tests): Total Coliform, <i>E. Coli</i>.</p>
Recognised Laboratory	<p>M/s. Edward Food Research & Analysis Centre Limited (EFRAC) Subhas Nagar, P.O.-Nilgunj Bazar, P.S.-Barasat, 24 Parganas (North)-700121 Tel: 033 6633 3939 E mail: efraclab@efrac.org</p>
Approved Parameters	<p>Group-A: Air and Noise</p> <p>Group-A₁ (Ambient Air): Nitrogen dioxide as NO₂, Sulphur dioxide (SO₂), PM₁₀, PM_{2.5}, Ammonia, Carbon monoxide, Ozone, Lead, Chlorine, Fluoride (Particulate/Gaseous), Benzene, Benzo(a)pyrene, Volatile Organic Carbon, Nickel, Arsenic.</p> <p>Group-A₂ (Fugitive Emission): Total Suspended Particulate Matter (TSPM).</p> <p>Group-A₃ (Meteorological Monitoring): Ambient Temperature, Wind direction, Wind speed, Relative Humidity, Solar radiation, Rain fall.</p> <p>Group-A₄ (Stack Gases/Source Emission): Particulate matter, Sulphur dioxide, Velocity & flow, Carbon dioxide, Carbon monoxide, Temperature, Oxygen, Oxides of nitrogen, Acid mist, Ammonia, Chlorine, Fluoride (Particulate/Gaseous), Hydro-chloric acid, Total Hydro carbon, Hydrogen Sulphide, Carbon disulphide.</p> <p>Group-A₅ (Noise Monitoring): Ambient Noise (Leq, Lmax, Lmin), Noise Source measurement.</p> <p>Group-B: Water and Waste Water</p> <p>Group-B₁ (Physical Tests): Conductivity, Colour, pH, Fixed & volatile solids, Total solids, Total dissolved solids, Total suspended solids, Turbidity, Temperature, Velocity & discharge measurement of industrial effluent stream, Flocculation test (Jar test), Odour, Salinity, Settleable solids, Sludge volume index (SVI).</p> <p>Group-B₂ (Inorganic-General and Non-metallic): Acidity, Alkalinity, Ammoniacal nitrogen, Chloride, Chlorine residual, Dissolved oxygen, Fluoride, Total hardness, Total Kjehldal Nitrogen (TKN), Nitrite nitrogen, Nitrate nitrogen, Phosphate, Sulphate, Bromide, Carbon dioxide, Chlorine demand, Iodine, Sulphite, Silica, Cyanide, Sulphide.</p> <p>Group-B₃ (Inorganic-Metals): Boron (B), Cadmium (Cd), Calcium (Ca), Chromium (Cr) Total, Chromium (Cr) Hexavalent, Copper (Cu), Iron (Fe), Lead (Pb), Magnesium (Mg), Mercury (Hg), Nickel (Ni), Potassium (K), Sodium (Na), Sodium absorption ratio (SAR), Zinc (Zn), Arsenic (As), Aluminium (Al), Beryllium (Be), Barium (Ba), Lithium (Li), Manganese (Mn), Selenium (Se), Silver (Ag), Strontium (Sr), Tin (Sn), Antimony (Sb), Cobalt (Co), Vanadium (V).</p> <p>Group-B₄ (Organics-General & Trace Organics): Bio-chemical oxygen demand (BOD), Chemical oxygen demand (COD), Phenol, Pesticide: Organo-chlorine, Pesticide: Organo nitrogen-phosphorous, Total organic carbon (TOC), Surfactants, Tannin & lignin, Poly-chlorinated biphenyl (PCB's) each, Polynuclear aromatic hydrocarbon (PAH) each, Organic Carbon (in solid), Carbon/Nitrogen ratio.</p> <p>Group-B₈ (Characterization of Hazardous waste): Preparation of Leachate (TCLPextract/water extract), Corrosivity, Ignitability (Flash point), Reactivity, Toxicity, Measurement of heavy metals/pesticides in the waste/leachate.</p> <p>Group-B₉ (Soil/ Sludge/Sediment and Solid Waste): Boron, Cation Exchange Capacity (CEC), Electrical Conductivity (EC), Nitrogen available, Organic carbon/matter (chemical method), pH, Phosphorous (available), Phosphate (ortho), Phosphate (total), Potassium, SAR in soil extract, Sodium, Soil moisture, TKN, Calorific value, Ammonia, Bicarbonate, Calcium, Calcium carbonate, Chloride, Colour, Exchangeable sodium percentage (ESP), Heavy metal, Magnesium, Nitrate, Nitrite, PAH, Pesticide, Potash (available), Sulphate, Sulphur, TOC, Total water soluble salt, Water holding capacity.</p>


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Recognised Laboratory	M/s. Precision Laboratories 232/3, Picnic Garden Road, Kolkata-700039 Mob: 9836375039 E mail: precisionlabs9001@gmail.com
Approved Parameters	Group-A: Air and Noise Group-A₅ (Noise Monitoring): Ambient Noise (L_{eq} , L_{max} , L_{min}). Group-B: Water and Waste Water Group-B₁ (Physical Tests): Conductivity, pH, Total solids, Total dissolved solids, Total suspended solids, Turbidity, Temperature, Odour. Group-B₂ (Inorganic-General and Non-metallic): Acidity, Alkalinity, Chloride, Dissolved oxygen, Total hardness. Group-B₃ (Inorganic-Metals): Calcium (Ca), Magnesium (Mg), Sodium (Na). Group-B₄ (Organics-General & Trace Organics): Bio-chemical oxygen demand (BOD), Chemical oxygen demand (COD), Oil & Grease. Group-B₉ (Soil/ Sludge/Sediment and Solid Waste): Electrical Conductivity (EC), pH, Soil moisture.
Recognised Laboratory	M/s. West Bengal Waste Management Limited Unit-II, Saltora J.L. No. 80, Mouza-Pabayan, P.O.-Bisjor, P.S.-Saltora, Bankura-722158 Mob: 8707851570 E mail: atulkumar.panday@resustainability.com
Approved Parameters	Group-A: Air and Noise Group-A₁ (Ambient Air): PM ₁₀ , PM _{2.5} . Group-A₂ (Fugitive Emission): Total Suspended Particulate Matter (TSPM). Group-A₃ (Meteorological Monitoring): Ambient Temperature, Wind direction, Wind speed, Relative Humidity, Solar radiation, Rain fall. Group-B: Water and Waste Water Group-B₁ (Physical Tests): Conductivity, Colour, pH, Fixed & volatile solids, Total solids, Total dissolved solids, Total suspended solids, Temperature, Odour. Group-B₂ (Inorganic-General and Non-metallic): Acidity, Alkalinity, Ammoniacal nitrogen, Chloride, Chlorine residual, Dissolved oxygen, Total hardness, Total Kjeldal Nitrogen (TKN), Sulphide. Group-B₃ (Inorganic-Metals): Calcium (Ca), Magnesium (Mg), Potassium (K), Sodium (Na). Group-B₄ (Organics-General & Trace Organics): Chemical oxygen demand (COD), Oil & Grease. Group-B₉ (Soil/ Sludge/Sediment and Solid Waste): Electrical Conductivity (EC), Organic carbon/matter (chemical method), pH, Potassium, Sodium, Soil moisture, TKN, Calorific value, Ammonia, Chloride, Colour.

2.0 Terms and conditions:


- 2.1 The Laboratories should maintain Certified Reference Materials/Standard Reference Materials along with valid Certificate of Analysis (CoA) related to the parameters for which recognition is granted.
- 2.2 The Laboratories should calibrate all utility equipment, volumetric glassware and sampling instruments through NABL accredited Calibration Laboratory periodically and shall maintain records with traceability. The Laboratories should also perform internal calibration checks during validity of calibration period.
- 2.3 The Laboratories should properly prepare standard curves periodically as per their used method depending on analyte concentration range and shall perform standard checks during testing.
- 2.4 The Laboratories should maintain documents on Method Validation, Detection Limits (LOD, LOQ), Measurement Uncertainty etc.
- 2.5 The Laboratories should perform Internal Quality Control programmes like repeat testing, remnant testing, participation in Inter Laboratory Comparison (ILC)/Proficiency Testing (PT) Programme, Intra-Laboratory Comparison etc.
- 2.6 The Laboratories should maintain the system of unique coding of samples to ensure impartiality and confidentiality in test procedure.
- 2.7 The Laboratories should maintain dedicated Log Books for instruments and Analysis Registers of each parameter.

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- 2.8 The Laboratories should maintain Stock Registers for chemicals, glassware, thimbles, Filter papers to verify stock position, consumption pattern, reordering level etc.
- 2.9 Standard method documents (e.g. APHA methods, IS methods, USEPA methods etc.) should be made accessible to the Laboratory personnel and the Standard Operating Procedures/Work Instructions of analytical processes should be made available at working areas.
- 2.10 The Laboratories, to which recognition for PM2.5 parameter in Ambient Air has been granted, should possess Electronic Balance of having readability minimum up to 5th place of decimal.
- 2.11 All Laboratories obtained recognition for Stack Gases/Source Emission monitoring, should maintain proper Field Data Sheets following the requirements as prescribed in the "Guidelines on Methodologies for Source Emission Monitoring" (LATS/80/2013-14) published by the CPCB.
- 2.12 The Laboratories should train their personnel on regular intervals for capacity building on water/wastewater, ambient air and stack emission sampling methodology and analytical procedure to ensure quality analysis.
- 2.13 The Laboratories should upgrade instrumental analysis (handling, operation and practice) to improve data quality.
- 2.14 The Laboratories may obtain NABL accreditation as per ISO/IEC 17025:2017 for the parameters for which recognition has been recommended.
- 2.15 If any Laboratory is not equipped with proper facilities and infrastructure to execute the test/analysis, the same should be informed to the State Board within fifteen (15) days of discontinuation of test.
- 2.16 The Laboratories should not change the location without prior intimation to the State Board and in case of any change of address, the concerned Laboratory should inform the State Board within fifteen (15) days of closure of activity in the address.
- 2.17 Information on any kinship or any relation of any Laboratory owner with any State Board employee must be disclosed to the State Board.
- 2.18 The Laboratories should not engage itself to any activity unlawful under the law of the land.
- 2.19 Periodic surveillance of the recognized Laboratories may be undertaken by the TAC to assess their functioning, systematic operation and reliability of data generated at the Laboratory. In case of any non-compliance, the recognition may be revoked, withdrawn or suspended including initiation of legal action under extant laws.

The above laboratories may submit a request to the State Board, two months before expiry of recognition, for consideration of extension of recognition, with documentary evidence towards corrective actions taken by them against Non-Compliances raised by the TAC during inspection. However, if the laboratory is found to be still non-complied, their further extension of recognition may not be considered.


(Dr. Rajesh Kumar)
Member Secretary, WBPCB


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