

F.No.15018/39/2017-CPW
Government of India
Ministry of Environment, Forest and Climate Change
(CP Division)

Agni-233, Indira Paryavaran Bhavan,
Jor Bagh Road,
New Delhi – 110 003.

Dated, the 17th September, 2018

To

**M/s Eco Tech Labs Pvt. Ltd.
No. 48A, 2nd Main Road, Ram Nagar
South Extension, Pallikaranai
Chennai-600100**

Subject: - Recognition of M/s Eco Tech Labs Pvt. Ltd., No. 48A, 2nd Main Road, Ram Nagar, South Extension, Pallikaranai, Chennai-600100 as Environmental Laboratory under the Environment (Protection) Act, 1986.

Sir,

I am directed to refer to your application dated 14/06/2017 for recognition of your laboratory under Environment (Protection) Act, 1986. Based on the recommendations of the Expert Committee for Recognition of Environmental Laboratories in its 54th meeting held on 1st June, 2018 and your acceptance of the revised terms and conditions at Annexure-III & IV of the Guidelines for recognition of Environmental Laboratories, this Ministry approves the recognition of M/s Eco Tech Labs Pvt. Ltd., No. 48A, 2nd Main Road, Ram Nagar, South Extension, Pallikaranai, Chennai-600100 for five years, as shall be notified in the Gazette of India.

2. As sought in your aforementioned application M/s Eco Tech Labs Pvt. Ltd., Chennai may undertake the following tests:

- i. **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 and Sludge Volume Index (SVI).
- ii. **Inorganic (General & Non-metallic):** Acidity, Alkalinity, Ammonical nitrogen, Chloride, Chlorine residual, Dissolved oxygen, Fluoride, Total hardness, Total kjeldahl nitrogen (TKN), Nitrite nitrogen, Nitrate nitrogen, Phosphate, Sulphate, Chlorine demand, Sulphite, Silica, Cyanide and Sulphide.
- iii. **Inorganic (Trace metals):** Boron, Cadmium, Calcium, Chromium Total, Chromium Hexavalent, Copper, Iron, Lead, Magnesium, Mercury, Nickel, Potassium, Sodium, Sodium absorption ratio, Zinc, Arsenic, Aluminium, Beryllium, Berium, Manganese, Silver, Tin, Antimony and Cobalt.
- iv. **Organics (General) and Trace Organics:** Bio-chemical oxygen demand (BOD), Chemical oxygen demand (COD), Oil & grease, Phenol, Pesticide ((Organo-chlorine, Organo nitrogen-phosphorous), Poly-chlorinated biphenyl (PCB's) each, Polynuclear aromatic hydrocarbon (PAH) each and Organic carbon (in solid).
- v. **Microbiological:** Total Coliform, Faecal Coliform, Faecal streptococci, E. coli and Total Plate Count and Enterococcus.
- vi. **Toxicological:** Bioassay method for evaluation of toxicity using fish, Measurement of toxicity using Daphnia or other organism and Measurement of toxicity factor using zebra fish.
- vii. **Biological Test:** - Chlorophyll
- viii. **Hazardous Waste:** - Preparation of Leachate (TCLP extract/water extract), Ignibility (Flash point) and, Measurement of heavy metals/pesticides in the waste/leachate.

- ix. **Soil/ Sludge/ Sediment and Solid Waste:** Boron, Cation Exchange Capacity (CEC), Electrical Conductivity, 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, Heavy metal, Magnesium, Nitrate, Nitrite, PAH, Pesticide and Sulphate.
- x. **Ambient Air/ Fugitive Emissions:** Nitrogen dioxide (NO₂), Sulphur dioxide (SO₂), Total suspended particulate matter, Respirable suspended particulate matter (PM₁₀), Ammonia, Carbon Monoxide, Chlorine, Fluoride, Lead, Ozone, Benzene Toluene Xylene (BTX), Polycyclic aromatic hydrocarbon (PAH) Benzo-a-pyrene & other and PM_{2.5}.
- xi. **Stack Gases/ Source Emission:** Particulate matter, Sulphur dioxide, Velocity & flow rate, Carbon dioxide, Carbon Monoxide, Temperature, Oxygen, Oxides of nitrogen, Acid mist, Ammonia, Chlorine, Fluoride (Particulate), Fluoride(Gaseous), Hydro-chloric acid, Hydrogen Sulphide and Carbon disulphide.
- xii. **Noise Level:** Noise level measurement (20 to 140 dba) and Ambient noise & source specific noise.
- xiii. **Meteorological:** Ambient temperature, Wind direction, Wind speed, Relative Humidity and Rainfall.

3. The laboratory shall compulsorily participate in the Analytical Quality Control (AQC) exercise conducted by the Central Pollution Control Board (CPCB) at least once a year to ascertain the capability of the laboratory and analyses carried out and shall submit quarterly progress reports to this Ministry.

4. Periodic surveillance of the recognized environmental laboratory will be undertaken by this Ministry/ CPCB to assess its proper functioning, systematic operation and reliability of data generated at the laboratory.

5. It is also mandatory for the laboratory to have requisite accreditations of the NABL/ ISO 9001 and OHSAS and its renewal as per accreditation rules. Permission in para 2 above is subject to such accreditations and renewal, as applicable.

6. The laboratory should compulsorily follow the accepted Terms & Conditions. In case of serious non-compliance of any of the Terms and Conditions, the laboratory may be black-listed for a minimum period of two years and civil/ criminal proceedings, as applicable, may be initiated for performing functions on behalf of the Government in an unauthorized manner.

Yours faithfully,



Dr. Susan George K.)
Scientist 'D'

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Email: susan.george@nic.in

Copy to:

1. Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, New Delhi - 110032.
2. Member Secretary, Tamil Nadu Pollution Control Board (TNPCB), 76 Anna Salai, Guindy, Chennai-600032
3. Additional Principal Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (SEZ), 1st and 2nd Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai-34.
4. IT Division, MoEF&CC, New Delhi-110003: for uploading on MoEF&CC website