F. No. LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt./ 1254

30 September 2024

Recognition Letter

To,

The Head of Laboratory,
M/s Chennai Testing Laboratory Private Limited,
A Super 19, TVK Industrial Estate,
Guindy, Chennai-600032, Tamil Nadu.

Subject: Recognition of M/s Chennai Testing Laboratory Private Limited, A Super 19, TVK Industrial Estate, Guindy, Chennai-600032, Tamil Nadu as Environmental laboratory under the Environmental (Protection) Act- 1986– reg.

Sir,

With reference to your application dated 14/06/2024 along with acceptance of the terms & conditions of the guidelines for recognition of environmental laboratories under the Environmental (Protection) Act, 1986, submitted to Central Pollution Control Board (CPCB), the Competent Authority of CPCB has accorded approval for renewal of recognition of Environmental laboratory and Govt. Analysts. Subsequently, **M/s Chennai Testing Laboratory Private Limited, A Super 19, TVK Industrial Estate, Guindy, Chennai-600032, Tamil Nadu** shall be notified considering the current requirement of mandatory accreditation / certifications of the laboratory **with a validity up to 24/09/2027(for three years), subject to validity of ISO/IEC 17025 and IS/ISO 45001**.

2. The following analysts have been approved as Government Analysts:
    1. Sh. N. Rajendrakumar
    2. Sh. A. Rajkumar
    3. Sh. A. Ramesh

3. The laboratory should compulsorily follow the accepted terms and conditions and may undertake the following tests:

    a) **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 and Sludge Volume Index(SVI).
    b) **Inorganic (General and Non-metallic):** Acidity, Alkalinity, Ammonical Nitrogen, Chloride, Chlorine Residual, Dissolved Oxygen, Fluoride, Total Hardness, Total Kjeldahl Nitrogen (TKN), Nitrite Nitrogen, Nitrate Nitrogen, Phosphate, Sulphate, Carbon Dioxide, Cyanide and Silica.
    c) **Inorganic (Trace Metals):** Boron, Cadmium, Calcium, Total Chromium, Chromium Hexavalent, Copper, Iron, Lead, Magnesium, Mercury, Nickel, Potassium, Sodium, Sodium Absorption Ratio(SAR), Zinc, Arsenic, Aluminium, Antimony, Manganese, Selenium and Silver.
    d) **Organics (General) and Trace Organics:** Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Oil and Grease, Phenolic Compounds, Pesticides (each) (Organo-Chlorine and Organo Nitrogen-Phosphorus), Poly-Chlorinated Biphenyl (PCB's) each, Polynuclear Aromatic Hydrocarbon (PAH), Surfactants and Total Organic Carbon(TOC).
    e) **Microbiological Test:** Total Coliform, Faecal Coliform, *E. coli*, Faecal Streptococci and Total Plate Count.
    f) **Toxicological Tests:** Bioassay Method for Evaluation of Toxicity Using Fish (90% survival of fish after 96 hrs in 100% effluent) and Measurement of toxicity using Daphnia or other organism.

contd.

g) **Biological Test:** Benthic Organism Identification and Count, Planktonic Identification Count and Chlorophyll.

h) **Characterization of Hazardous Waste:** Preparation of Leachate (TCLP Extract/Water Extract), Toxicity and Measurement of Heavy Metals/Pesticides in the Waste/Leachate.

i) **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, Bicarbonate, Calcium Carbonate, Chloride, Heavy Metal, Magnesium, Nitrate, Nitrite, Pesticide, Sulphate and Total Organic Carbon (TOC).

j) **Ambient Air/ Fugitive Emissions:** Nitrogen Dioxide (NO_2), Sulphur Dioxide (SO_2), Total Suspended Particulate Matter, Respirable Suspended Particulate Matter (PM_{10}), Ammonia, Carbon monoxide, Chlorine, Fluoride, Lead, Ozone, Benzene Toluene Xylene (BTX), Polycyclic Aromatic Hydrocarbon (PAH) Benzo-a-Pyrine & others, $PM_{2.5}$ and Volatile Organic Carbon.

k) **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), Fluoride(Gaseous), Total Hydrocarbon, Hydrogen Sulphide and Carbon Disulphide.

l) **Noise Level:** Noise level measurement (20 to 140 dba) and Ambient Noise & Source Specific Noise.

m) **Meteorological:** Ambient Temperature, Wind Direction, Wind Speed, Relative Humidity, Solar Radiation and Rain Fall.

4. The laboratory shall compulsorily participate in the Analytical Quality Control (AQC) Exercise conducted by the CPCB to ascertain the capability of the laboratory and analysts. The lab shall submit quarterly progress report on the sample analysis carried out to CPCB.

5. The surprise inspection / periodic surveillance of the recognized environment laboratory will be undertaken to assess its proper functioning systematic operation and reliability of data generated at the laboratory by a Joint Team as per the Notification.

6. The laboratory should have the mandatory requisite accreditation and certificate of the ISO: 17025 and ISO:45001 as per rules. This recognition is subject to such accreditations and renewals as applicable and 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.

7. **M/s Chennai Testing Laboratory Private Limited, Chennai, Tamil Nadu** is required to apply for further renewal of recognition through online using CPCB web portal (https://cpcbepalab.in/epalab) before expiry of recognition with mandatory accreditation / certification concerned.

Yours faithfully,

K. R 30/9/24

(Dr. K. Ranganathan)
Scientist-E & Divisional Head
Instrumentation laboratory

डॉ. के. रंगनाथन / Dr. K. Ranganathan
वैज्ञानिक 'ई' / Scientist 'E'
प्रभारी जल एवं उपकरणीय प्रयोगशाला
Div. Head-Water & Instrumentation Laboratory
केंद्रीय प्रदूषण नियंत्रण बोर्ड
Central Pollution Control Board
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार
(M/o Environment, Forest & Climate Change, Govt. of India)
परिवेश भवन, पूर्वी अर्जुन नगर, दिल्ली–110032
Parivesh Bhawan, East Arjun Nagar, Delhi-110032