



F. No. LB/99/7/2021-INST LAB-HO-CPCB-HO/ Pvt/ 2582

Dated: 24.07.2023

Recognition Letter

To,

The Director,
IRCLASS Systems and Solutions Pvt. Ltd.,
1st and 2nd Floor, B-11G, CEG Tower, / Industrial Area,
Malviya Nagar, Jaipur- 302017. Rajasthan.

Subject: Recognition of M/s IRCLASS Systems and Solutions Pvt. Ltd. 1st and 2nd Floor, B-11G, CEG Tower, Malviya Nagar, Jaipur- 302017, Rajasthan, as Environmental laboratory under the Environmental (Protection) Act-1986.

Sir,

I am directed to refer the online application, dated 17/05/2022 for recognition of your laboratory under Environmental (Protection) Act, 1986. Based on the recommendations of the concerned Division, approval of Competent Authority for recognition of Environmental laboratories and your acceptance of the revised terms and conditions at Annexure-III & IV of the guidelines for recognition of environmental laboratories, CPCB approves the recognition of **M/s IRCLASS Systems and Solutions Pvt. Ltd. 1st and 2nd Floor, B-11G, CEG Tower, Malviya Nagar, Jaipur- 302017, Rajasthan.** as shall be notified in the Gazette of India. Considering the current requirement of mandatory accreditation/ certifications of the laboratory, **this recognition shall be valid up to 02/07/2025.**

2. As sought in the aforementioned application **M/s IRCLASS Systems and Solutions Pvt. Ltd. 1st and 2nd Floor, B-11G, CEG Tower, Malviya Nagar, Jaipur- 302017, Rajasthan,** 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, Odour, Salinity, and Settleable Solids.
- ii. **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, Bromide, Carbon dioxide, Chlorine demand, Sulphite, Silica, Cyanide, Sulphide.
- iii. **Inorganic (Trace Metals):** Boron, Cadmium, Calcium, Chromium Total, Chromium Hexavalent, Copper, Iron, Lead, Magnesium, Mercury, Nickel, Potassium, Sodium, Sodium Absorption Ratio (SAR), Zinc, Arsenic, Aluminium, Beryllium, Manganese, Selenium, Silver, Strontium, Tin, Antimony, Cobalt and Vanadium.
- iv. **Organics (General) and Trace Organics:** Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Oil and Grease, Phenolic Compounds, Pesticides (each) (Organochlorine and Organo nitrogen-phosphorus), Poly-Chlorinated Biphenyl (PCB's) each and Polynuclear Aromatic Hydrocarbon (PAH) each, Organic Carbon (in solid) and Carbon/ Nitrogen ratio.
- v. **Microbiological Test:** Total Coliform, Faecal Coliform, *Faecal Streptococci*, *E. coli*, Total Plate Count and *Enterococcus*.
- vi. **Toxicological Tests:** Bioassay method for evaluation of toxicity using fish and Measurement of toxicity factor using zebra fish (dimensionless toxicity test).
- vii. **Biological Tests:** Benthic Organism Identification and Count, Planktonic Identification Count, and Measurement of various Diversity Index.
- viii. **Characterization of Hazardous waste:** Preparation of Leachate (TCLP extract/water extract), Ignibility (Flash point) and Measurement of heavy metals/ pesticides in the waste and leachate.

 'परिवेश भवन' पर्वी अर्जुन नगर, दिल्ली-110032
Parivesh Bhawan, East Arjun Nagar, Delhi-110032

Contd.


- 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, Exchangeable Sodium Percentage (ESP), Magnesium, Nitrate, Nitrite, Sulphate and Sulphur.
- x. **Ambient Air/ Fugitive Emissions:** Nitrogen Dioxide (NO₂), Sulphur Dioxide (SO₂), Total Suspended Particulate Matter, Respirable Suspended Particulate Matter (PM₁₀), Ammonia, Carbon Monoxide, Chlorine, Non Methane Hydrocarbon, Lead, Methane, Ozone, Benzene Toluene Xylene (BTX), Polycyclic Aromatic Hydrocarbon (PAH) Benzo-a-pyrene and others, and PM_{2.5}.
- xi. **Stack Gases/ Source Emission:** Particulate Matter, Sulphur Dioxide, Velocity & Flow, Carbon Dioxide, Carbon Monoxide, Temperature, Oxygen, Oxides of Nitrogen, Acid mist, Ammonia, Chlorine, Hydro-Chloric Acid, Total Hydrocarbons, Hydrogen Sulphide and Carbon Disulphide.
- xii. **Noise Level:** Noise level measurement (20-140 dBa) and Ambient Noise and Source Specific Noise.
- xiii. **Meteorological:** Ambient temperature, Wind direction, Wind speed, Relative Humidity, Solar radiation and Rainfall.

3. Further, the following analysts have been approved as Government Analysts.

- i. Sh. Dinesh Palsaniya
- ii. Sh. Koushik Nag
- iii. Ms. Susmita Naskar

4. The laboratory shall compulsorily participate in the Analytical Quality Exercise conducted by the Central Pollution Control Board (CPCB) to ascertain the capability of the laboratory and analysis carried out and shall submit quarterly progress report to CPCB.
5. The surprise inspection/periodic surveillance of the recognized environment laboratory will be undertaken by CPCB to assess its proper functioning systematic operation and reliability of data generated at the laboratory.
6. It is also mandatory for the laboratory to have requisite accreditations of the ISO: 17025 (NABL) and ISO:45001 (OH&SMS) and its renewal as per accreditation rules. This recognition is subject to such accreditations and renewals as applicable. The laboratory is required to apply online for further renewal of recognition through CPCB web portal after renewal of the mandatory accreditations / certifications concerned.
7. The laboratory should compulsorily follow the accepted terms and 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. K. Ranganathan)
 24/7/23
 Scientist-E & Divisional Head
 Instrumentation laboratory

डॉ. के. रंगनाथन / Dr. K. Ranganathan
 वैज्ञानिक 'ई' / Scientist
 प्रभावी जल एवं वायुमंडलीय प्रदूषण
 Div. Head-Water & Instrumentation
 केंद्रीय प्रदूषण नियंत्रण
 Central Pollution Control Board
 प्रदूषण, वन एवं जलवायु परिवर्तन विभाग, पारा-पुणे
 (Air, Environment, Forest & Climate Change, Govt. of India)
 पत्तिका नमून, पूर्वी अक्षरम मार्ग, विरापी-पुणे
 (E-mail: kranathan@cpclb.gov.in, cell: 9822000000)