



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA

No. LB/99/7/2021-INST LAB-HO-CPCB-HO/ Pvt-103 6705

Dated: Dec. 07, 2022

Speed Post

To,

The Managing Director
M/s Choksi Laboratories Limited
Survey No: 9/1, Balaji Tulsiyana Industrial Estate,
Kumedi Off. M.R 10 Toll plaza, Indore-452010,
Madhya Pradesh.

Subject: Recognition of M/s Choksi Laboratories Limited Survey No:9/1, Balaji Tulsiyana Industrial Estate, Kumedi Off. M.R 10 Toll plaza, Indore-452010, Madhya Pradesh as Environmental laboratory under the Environmental (Protection) Act-1986.

Sir,

I am directed to refer to your application dated 01/03/2021 for the recognition of your laboratory Environmental (Protection) Act, 1986. Based on the recommendations of the expert committee for recognition of Environmental laboratories in its 67th meeting held on 14th January & 20th January 2022 and your acceptance of the revised terms and conditions at Annexure-III & IV of the guidelines for recognition of environmental laboratories, CPCB approves the renewal of recognition of **M/s Choksi Laboratories Limited Indore-452010, Madhya Pradesh**, as shall be notified in the Gazette of India. **Considering the requirement of mandatory accreditation/ certifications of the laboratory, this recognition shall be valid up to 05/07/2024.**

2. As sought in your aforementioned **M/s Choksi Laboratories Limited, Indore-452010, Madhya Pradesh**, 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 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 and Sulphides.
- iii. **Inorganic (Trace metals):** Boron, Cadmium, Calcium, Total Chromium, Chromium Hexavalent, Copper, Iron, Lead, Magnesium, Mercury, Nickel, Potassium, Sodium, Sodium Absorption Ratio, Zinc, Arsenic, Aluminium, Beryllium, Barium, Lithium, Manganese, Selenium, Silver, Strontium, Tin, Antimony, Cobalt and Vanadium.
- iv. **Organics (General) and trace organics:** Bio-chemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Oil and Grease, Phenol, Pesticide (each) (Organo-chlorine and Organo Nitrogen-Phosphorus), Total Organic Carbon (TOC), Adsorbable Organic Halide (AOX), Surfactants, Tannin & Lignin, Poly-Chlorinated Biphenyl (PCBs) each, Polynuclear aromatic hydrocarbons (PAHs) 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 Bio-accumulation, bio magnification and bio-transformation studies.
- vii. **Biological Tests:** Benthic Organism identification and count, Macrophytic identification, Planktonic identification count and Chlorophyll.

Contd.

R.

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- viii. **Characterization of Hazardous waste:** Preparation of Leachate (TCLP extract/ Water extract), Corrosivity, Ignibility (Flash Point), Reactivity, Toxicity and Measurement of heavy metals/ pesticides in the waste and 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, Exchangeable sodium Percentage (ESP), Gypsum requirement, H. Acid, Heavy Metal, Magnesium, Mechanical Soil analysis, Nitrate, Nitrite, PAH, Pesticide, Potash (Available), Sulphate, Sulphur, TOC, Total water soluble salt and Water holding capacity.
- 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, Non Methane hydrocarbon, Lead, Ozone, Benzene Toluene Xylene (BTX), Polycyclic Aromatic Hydrocarbon (PAH) Benzo-a-pyrene and others, PM_{2.5} and Volatile Organic Carbon.
- xi. **Stack gases/ source emission:** Particulate Matter, Sulphur Dioxide, Velocity & Flow, Carbon Dioxide, Carbon Monoxide, Temperature, Oxygen, Oxides of Nitrogen, Acid mist, Ammonia, Fluoride (Particulate), Fluoride (Gaseous), Hydro-chloric acid and Hydrogen Sulphide.
- 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 and Rainfall.
3. Further, the following analysts have been approved for recognition as government Analysts.
- Smt. Usha Bhushan Bhawe
 - Smt. Preeti Fransis
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,

 7/12/22

(K. Ranganathan)

Scientist-E & Divisional Head

Instrumentation laboratory

डॉ. के. रंगनाथन / Dr. K. Ranganathan
वैज्ञानिक 'ई' / Scientist 'E'
केंद्रीय प्रदूषण नियंत्रण बोर्ड
Central Pollution Control Board
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