

F. No. Q-15018/30/2019-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 28th May, 2020

To

M/s GLENS Innovation Labs Pvt. Ltd.,
No 6/1, First Floor, Sri Jothy Complex,
Murugesan Street, Bala Vinayagar Street,
Arumbakkam, Chennai-600106, Tamil Nadu

Subject: -Recognition of M/s GLENS Innovation Labs Pvt. Ltd., No 6/1, First Floor, Sri Jothy Complex, Murugesan Street, Bala Vinayagar Street, Arumbakkam, Chennai-600106, Tamil Nadu as Environmental Laboratory under the Environment (Protection) Act. 1986.

Sir,

I am directed to refer to your application dated 17.07.2019 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 62nd meeting held on 17.03.2020 and your acceptance of the revised terms and conditions at Annexure-III & IV of the Guidelines for recognition of Environmental Laboratories, this Ministry approves of recognition of M/s GLENS Innovation Labs Pvt. Ltd., No 6/1, First Floor, Sri Jothy Complex, Murugesan Street, Bala Vinayagar Street, Arumbakkam, Chennai-600106, Tamil Nadu, as shall be notified in the Gazette of India. **Considering the current validity of mandatory accreditations/certifications of the laboratory, this recognition shall be valid up to 12.03.2022.**

2. As sought in your aforementioned application M/s GLENS Innovation 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 kjehldal nitrogen (TKN), Nitrite nitrogen, Nitrate nitrogen, Phosphate, Sulphate, Bromide, Carbon dioxide, Chlorine demand, Iodine, 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, 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 & grease, Phenol, Pesticide (Organo-chlorine, Organo nitrogen-phosphorous), Total organic carbon (TOC), Surfactants, Tannin & lignin, Poly-chlorinated biphenyls (PCB), Polynuclear aromatic hydrocarbons (PAH), Organic carbon (in solid) and Carbon/ Nitrogen ratio
 - v. **Microbiological:** Total coliform, Faecal coliform, Faecal streptococci, E.coli, Total plate count, Enterococcus
 - vi. **Toxicological:** Bioassay method for evaluation of toxicity using fish, Bio-accumulation, bio-magnification and bio-transformation studies, and Measurement of toxicity using Daphnia or other organism
 - vii. **Biological:** Benthic organism identification and count, Planktonic identification count, Measurements of various diversity index, Chlorophyll, Primary productivity and P/R ratio
 - viii. **Hazardous Waste:** Preparation of Leachate (TCLP extract/water extract), Corrosivity, Ignibility (Flash point), Reactivity, Toxicity 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, Exchangeable Sodium Percentage (ESP), Heavy metal, Magnesium, 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, Lead, Ozone, Benzene Toluene Xylene (BTX), Polycyclic aromatic hydrocarbon (PAH), Benzo-a-pyrine & others, PM_{2.5} and Volatile Organics Carbon
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- xi. **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), Hydrochloric acid, Total hydrocarbon, Hydrogen sulphide
- 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 Rain fall

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

- (i) Dr. S. Suresh Kumar
(ii) Mr. E. Prithivirajan
(iii) Mr. Hariharasudhan

4. 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.

5. 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.

6. 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. This recognition is subject to such accreditations and renewal, as applicable. **The laboratory may approach this Ministry for further extension of validity of recognition after renewal of the mandatory accreditations/ certification concerned.** Such application for extension of validity may be submitted to this Ministry in due advance, preferably before 6 months.

7. 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'

Tel. No. 011-24695327/ 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, 76, Mount Salai, Guindy, Chennai - 600 032
3. Additional Principal Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (SEZ), Ist and IInd Floor, Handloom Export Promotion Council, 34, Cathedral Garden, Tambakkam, Chennai – 34

Division, MoEF&CC, New Delhi-110003: for uploading on MoEF&CC website

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GEORGE K

Date: 2020.05.28 16:29:12 IST

