

F. No. Q-15018/44/2018-CPW
Government of India
Ministry of Environment, Forest and Climate Change
(CP Division)

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

Dated, the 9th December, 2019

To

M/s Ecomen Laboratories Pvt. Ltd.
Flat No. 5-8, 2nd Floor, Arif Chamber-V
Sector-H, Aliganj, Dist. Lucknow-226024
Uttar Pradesh

Subject: -Recognition of M/s Ecomen Laboratories Pvt. Ltd., Flat No. 5-8, 2nd Floor, Arif Chamber-V, Sector-H, Aliganj, Dist.-Lucknow-226024, Uttar Pradesh as Environmental Laboratory under the Environment (Protection) Act, 1986 – regarding.

Sir,

I am directed to refer to your application dated 16.07.2018 for renewal of recognition of your laboratory under Environment (Protection) Act, 1986 and Action Taken Reports submitted thereafter. Based on the recommendations of the Expert Committee for recognition of Environmental Laboratories in its 60th meeting held on 30.08.2019 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 renewal of recognition of M/s Ecomen Laboratories Pvt. Ltd., Flat No. 5-8, 2nd Floor, Arif Chamber-V, Sector-H, Aliganj, Dist.-Lucknow-226024, Uttar Pradesh, as shall be notified in the Gazette of India. **Considering the current validity of mandatory accreditations/ certifications of the laboratory, this renewal shall be valid up to 24.07.2020.**

2. As sought in your aforementioned application, M/s Ecomen Laboratories Pvt. Ltd., Lucknow 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.
- (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, Carbon dioxide, Chlorine demand, Sulphite, Silica 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, Aluminum, Manganese and Cobalt.

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- (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, Tannin & lignin, Poly-Chlorinated biphenyl (PCB's) each, Polynuclear aromatic hydrocarbon (PAH), Organic Carbon (in Solid) and Carbon/Nitrogen ratio.
- (v) **Microbiological Tests:** Total Coliform, Faecal Coliform, Faecal streptococci, E. coli, Total Plate count.
- (vi) **Toxicological Tests:** Bioassay method for evaluation of toxicity using fish, Bio-accumulation, bio magnification and bio-transformation studies, Measurement of toxicity factor using zebra fish (dimensionless toxicity test).
- (vii) **Biological Tests:** Benthic organism identification, Macrophytic identification, Planktonic identification count, Measurement of various diversity index, Saprobity Index, Chlorophyll, Primary productivity and P/R Ratio.
- (viii) **Hazardous Waste:** Corrosivity, Ignibility (Flash Point), 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, 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, Non methane hydrocarbon, Lead, Methane, Ozone, Benzene Toluene Xylene, Polycyclic aromatic hydrocarbon (PAH), PM_{2.5} and Volatile Organics Carbon.
- (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 Hydro Carbon, Hydrogen Sulphide and Carbon disulphide.
- (xii) **Noise Level:** Noise level measurement (20 to 140 dba), Ambient Noise & Source-specific Noise.
- (xiii) **Meteorological:** Ambient temperature, Wind direction, Wind speed, Relative Humidity, Solar radiation and Rainfall.
- (xiv) **Vehicular Emission Monitoring:** Carbon monoxide, Smoke Density, Hydrocarbon and Oxides of Nitrogen.

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

- (i) Mrs. Reena Tripathi
- (ii) Mr. Ram Kishore Tewari
- (iii) Mr. Praveen Kumar Dubey

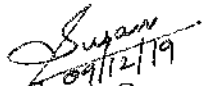
4. The laboratory shall compulsorily participate in the Analytical Quality Control (AQC) exercise conducted by the Central Pollution Control Board (CPCB) at least once a year to ascertain the capability of the laboratory and analyses carried out and shall submit quarterly progress reports to this Ministry.

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 mandatory for the laboratory to have requisite accreditations of 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, Uttar Pradesh Pollution Control Board, Building No. TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010
3. Additional Principal Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (CZ), Kendriya Bhawan, 5th Floor, Sector H, Aliganj, Lucknow-226020.
4. IT Division, MoEF&CC, New Delhi-110003: for uploading on MoEF&CC website