

F.No. Q-15013/35/2015-CPW
Government of India
Ministry of Environment, Forest and Climate Change
(CP Division)

Prithvi-324, Indira Paryavaran Bhavan,
Jor Bagh Road, New Delhi – 110 003.

Dated, the 12th September, 2017

To

M/s Envirocheck
189, 190 & 192 Rastraguru Avenue,
Kolkata – 700028
West Bengal

Subject: Application for Recognition of M/s Envirocheck, 189, 190 & 192 Rastraguru Avenue, Kolkata – 700028, West Bengal as Environmental Laboratory under the Environment (Protection) Act, 1986 – regarding.

Sir,

I am directed to refer to your application submitted vide letter No. 001/EC/MOEF/15-16 dated 4th August, 2015 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 48th meeting held on 06.02.2017 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 recognition of M/s Envirocheck, 189, 190 & 192 Rastraguru Avenue, Kolkata – 700028, West Bengal for five years, as shall be notified in the Gazette of India.

2. As sought in your aforementioned application, M/s Envirocheck 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 kjchldal nitrogen (TKN), Nitrite nitrogen, Nitrate nitrogen, Phosphate, Sulphate, Carbon dioxide, Chlorine demand, 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, Manganese, Selenium, 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). Surfactants, Tannin & lignin, Poly-chlorinated biphenyls (PCB), Polynuclear aromatic hydrocarbons (PAH)
- v. **Microbiological:** Total coliform, Faecal coliform, Faecal streptococci, E.coli, Total plate count, Enterococcus
 - vi. **Toxicological:** Bioassay method for evaluation of toxicity using fish. Measurement of toxicity using Daphnia or other organism and Measurement of toxicity factor using zebra fish
 - vii. **Biological:** Benthic organism identification and count, Macrophytic identification, Planktonic identification count, Measurements of various diversity index, Chlorophyll, Primary productivity
 - viii. **Hazardous Waste:** Preparation of Leachate (TCLP extract/water extract), 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, Calcium, Calcium carbonate, Heavy metal, Magnesium, Nitrate, PAH, Pesticide, Sulphate, TOC 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, Fluoride, Non methane hydrocarbon, Lead, Methane, Ozone, Benzene Toluene Xylene (BTX), Polycyclic aromatic hydrocarbon (PAH), Benzo-a-pyrene & others, 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, Fluoride (particulate), Fluoride (gaseous), Total hydrocarbon, Hydrogen sulphide, Carbon disulphide
 - 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, Solar radiation and Rain fall

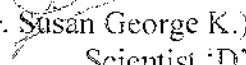
3. The laboratory shall compulsorily participate in the Analytical Quality Control (AQC) exercise conducted by the Central Pollution Control Board (CPCB) at least once a year to ascertain the capability of the laboratory and analyses carried out and shall submit quarterly progress reports to this Ministry.

4. 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.

5. 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. Permission in para 2 above is subject to such accreditations and renewal, as applicable.

6. 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'

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Copy to:

1. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, New Delhi – 110032.
2. The Member Secretary, West Bengal State Pollution Control Board, Paribesh Bhawan, Bldg. No. 10- A, Block LA, Sector-3, Salt Lake City, Kolkata – 700091, West Bengal
3. The Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (E7), A/3, Chandrasekharpur, Bhubaneswar – 751023
4. IT Division, MoEF&CC, New Delhi – 110003: for uploading on MoEF&CC website