

F.No.15018/04/2010-CPW (Vol-II)
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 13th May, 2019

To

M/s Bhagwati Enviro Care Pvt. Ltd.
28,29 & 30, Parmeshwar Estate-II
Opp.- AMCO Bank, Phase-I
GIDC Estate, Vatva, Ahmedabad-382445
Gujarat

Subject:-Recognition of M/s Bhagwati Enviro Care Pvt. Ltd., 28,29 & 30, Parmeshwar Estate-II, Opp. AMCO Bank, Phase-I, GIDC Estate, Vatva, Ahmedabad-382445, Gujarat as Environmental Laboratory under the Environment (Protection) Act. 1986.

Sir,

I am directed to refer to your application dated: 31.01.2018 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 57th meeting held on 27th February, 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 recognition of M/s Bhagwati Enviro Care Pvt. Ltd., 28,29 & 30, Parmeshwar Estate-II, Opp. AMCO Bank, Phase-I, GIDC Estate, Vatva, Ahmedabad-382445, Gujarat for five years, as shall be notified in the Gazette of India.

2. As sought in your aforementioned application M/s Bhagwati Enviro Care Pvt. Ltd., Ahmedabad 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, Settle able 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, Maganese and Cobalt.
- 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, Poly-chlorinated bibhenyl (PCB's) each, Polynuclear aromatic hydrocarbon (PAH) each, Organic Carbon (in Solid), Carbon/Nitrogen ratio.
- V. **Microbiological:** Total coliform, Faecal Coliform, Faecal streptococci, E. coli and Total Plate Count.
- VI. **Toxicological Tests:** Bioassay method for evaluation of toxicity using fish after 96 hrs. and Measurement of toxicity factor using zebra fish.
- VII. **Biological Tests:** Benthic organism identification and count, Planktonic identification count, Chlorophyll.

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- VIII. **Hazardous Waste:** Preparation of leachate (TCLP extract/water extract), Corrosivity, 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, Total Kjehldal Nitrogen (TKN), Calorific value, Ammonia, Bicarbonate, Calcium, Calcium carbonate, Chloride, Colour, Exchangeable sodium percentage (ESP), Heavy metal, Magnesium, Nitrate, Nitrite, Sulphate, Total water soluble salt and Water holding capacity.
- X. **Ambient Air/ Fugitive Emissions:** Nitrogen dioxide as NO₂, Sulphur dioxide (SO₂), Total suspended particulate matter, Respirable suspended particulate matter (PM₁₀), Ammonia, Carbon monoxide, Chlorine, Fluoride, Lead, Ozone, Benzene Toluene Xylene (BTX) and PM_{2.5}.
- XI. **Stack Gases/ Source Emission:** Particulate matter, Sulphur dioxide, Velocity & flow, Carbon dioxide, Carbon monoxide, Temperature, Oxygen, Oxides of nitrogen, Ammonia, Chlorine, Fluoride (Gaseous), Hydrogen Sulphide and 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 and Rain fall.

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

- (i) Mr. Shailesh Patel
- (ii) Mr. Mahesh Oza


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

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'

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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, Gujarat Pollution Control Board, Paryavaran Bhawan, Sector-10A, Gandhinagar-382010, Gujarat
3. Additional Principal Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, E-5 Area Colony, Link Road-3 Ravishankar, Bhopal-462016