F.No.15018/46/2015-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 8th March ,2018

To

M/s Ecosystem Resource Management Pvt. Ltd.
A-Ashoka Pavillion, Opp. Kapadia
Health Club, New –Civil Road
Surat-395001, Gujarat

Subject: - Recognition of M/s Ecosystem Resource Management Pvt. Ltd., A- Ashoka Pavillion, Opp. Kapadia Health Club, New-Civil Road, Surat-395001, Gujarat as Environmental Laboratory under the Environment (Protection)Act. 1986.

Sir,

I am directed to refer to your application submitted vide letter dated 19 December, 2016 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 52nd meeting held on 25.10.2017 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 Ecosystem Resource Management Pvt. Ltd., A- Ashoka Pavillion, Opp. Kapadia Health Club, New-Civil Road, Surat-395001, Gujarat for five years, as shall be notified in the Gazette of India.

2. As sought in your aforementioned application, M/s Ecosystem Resource Management Pvt. Ltd., Surat 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, 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, 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, Manganese 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, Organic carbon (in solid) and Carbon/ Nitrogen ratio.
v. **Microbiological:** Total coliform, Faecal coliform, Faecal streptococci, E. coli, Toral plate count, Enterrococcus.
vi. **Toxicological:** Bioassay method for evaluation of toxicity using fish, Measurement of toxicity factor using zebra fish.
vii. **Biological:** Benthic organism identification and count, Macrophytic identification, Planktonic identification count, Measurement of various diversity index, Saprobity Index, Chlorophyll, Primary productivity.
viii. **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, Mechanical soil analysis, Nitrate, Nitrite, Potash (available), Sulphate and Water holding capacity.

ix. **Ambient Air/ Fugitive Emissions:** Nitrogen dioxide (NO_2), Sulphur dioxide (SO_2), Total suspended particulate matter, Respirable suspended particulate matter (PM_{10}), Ammonia, Carbon monoxide, Chlorine, Fluoride, Lead, Mathane, Ozone, Benzene Toluene Xylene (BTX), $PM_{2.5}$ and Volatile Organics Carbon.

x. **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), Hydro-chloric acid, Total hydro carbon, Hydrogen Sulphide, Carbon disulphide.

xi. **Noise Level:** Noise level measurement (20 to 140 dba) and Ambient noise & source specific noise.

xii. **Meteorological:** Ambient temperature, Wind direction, Wind speed, Relative Humidity 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'
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, 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
4. IT Division, MoEF&CC, New Delhi-110003: for uploading on MoEF&CC website