

F.No.15018/15/2017-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 29th April ,2019

To

M/s Global Environment & Mining Services
3rd Main Road
Basaveswara Badavane
Hosapete-583201, Bellari District
Karnataka

Subject: - Recognition of M/s Global Environment & Mining Services, 3rd Main Road, Basaveswara Badavane, Hosapete-583201, Bellari District, Karnataka as Environmental Laboratory under the Environment (Protection) Act. 1986.

Sir,

I am directed to refer to your application dated: 03.04.2017 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 Global Environment & Mining Services, Hosapete, Karnataka for five years, as shall be notified in the Gazette of India.

2. As sought in your aforementioned application M/s Global Environment & Mining Services, Hosapete, Karnataka 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, Odour, Salinity, Settleable solids.
- 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, 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, Barium, Manganese, Selenium and Silver.
- 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, Surfactants, Poly-chlorinated biphenyl (PCB's) each, Polynuclear aromatic hydrocarbon (PAH) each, Organic Carbon (in Solid) and 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. **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, Calcium, Calcium Carbonate, Chloride, Colour, Exchangeable

~17

- sodium percentage (ESP), Gypsum requirement, Magnesium, Nitrate, Nitrite, Sulphate, Sulphur, TOC, Total water soluble salt and Water holding capacity.
- viii. **Ambient Air/ Fugitive Emissions:** Nitrogen dioxide as NO₂, Sulphur dioxide (SO₂), Total suspended particulate matter, Respirable suspended particulate matter, Ammonia, Carbon monoxide, Lead, Ozone, Benzene Toluene Xylene (BTX), Polycyclic aromatic hydrocarbon (PAH) Benzo-a-pyrene & Others and PM_{2.5}.
- ix. **Stack Gases/ Source Emission:** Particulate matter, Sulphur dioxide, Velocity & flow, Carbon dioxide, Carbon monoxide, Temperature, Oxygen, Oxides of nitrogen, Acid mist, Ammonia, Fluoride (Particulate), Hydro-chloric acid, Hydrogen Sulphide and Carbon disulphide .
- x. **Noise Level:** Noise level measurement (20 to 140 dba) and Ambient noise & source specific noise.
- xi. **Meteorological:** Ambient temperature, Wind direction, Wind speed, Relative Humidity and Rain fall.
- xii. **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) Mr. Vikas Gupta
(ii) Ms. S. Shameem Banu
(iii) Mr. J. Ravi Kumar
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'

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, Karnataka State Pollution Control Board "Parisara Bhavan", #49,4th & 5th Floor, Church Street, Bangalore-560001
3. Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (SZ), Kendriya Sadan, 4th Floor, E&F Wings, 17th Main Road, Koramangala II Block, Bangalore – 560034