

F. No. Q-15018/42/2017-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 13.12, 2018

To

M/s Vsix Analytical Labs Pvt. Ltd.  
#77(502/503), 2<sup>nd</sup> Floor,  
21<sup>st</sup> 'D' cross Muthurayaswamy Layout  
Srigandakaval, Sunkadakatte  
Bangalore-560091

Subject: - Recognition of M/s Vsix Analytical Labs Pvt. Ltd., #77(502/503), 2<sup>nd</sup> Floor, 21<sup>st</sup> 'D' cross Muthurayaswamy Layout, Srigandakaval, Sunkadakatte, Bangalore-560091 as Environmental Laboratory under the Environment (Protection) Act. 1986.

Sir,

I am directed to refer to your application dated 24/07/2017 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 55<sup>th</sup> meeting held on 17<sup>th</sup> September, 2018 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 Vsix Analytical Labs Pvt. Ltd., #77(502/503), 2<sup>nd</sup> Floor, 21<sup>st</sup> 'D' cross Muthurayaswamy Layout, Srigandakaval, Sunkadakatte, Bangalore-560091 for five years, as shall be notified in the Gazette of India.

2. As sought in your aforementioned application M/s Vsix Analytical Labs Pvt. Ltd., Bangalore 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 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, 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, Barium, Lithium, Manganese, Selenium, Silver, Tin, Antimony 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 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, Total Plate Count and 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 Tests:** Benthic organism identification and count, Macrophytic identification, Planktonic identification count, Chlorophyll, Primary productivity and P/R Ratio.
- 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, Exchangeable sodium percentage (ESP), H. Acid, Magnesium, Nitrate, Nitrite, Sulphate, Total water soluble Salt and Water holding capacity.

- ix. **Ambient Air/ Fugitive Emissions:** Nitrogen dioxide (NO<sub>2</sub>), Sulphur dioxide (SO<sub>2</sub>), Total suspended particulate matter, Respirable suspended particulate matter (PM<sub>10</sub>), Ammonia, Carbon monoxide, Chlorine, Fluoride, Lead, Ozone, Benzene Toluene Xylene (BTX), Polycyclic aromatic hydrocarbon (PAH) Benzo(a)-pyrene & Other and PM<sub>2.5</sub>.
- x. **Stack Gases/ Source Emission:** Particulate matter, Sulphur dioxide, Velocity & flow, Carbon dioxide, Carbon Monoxide, Temperature, Oxygen, Oxides of nitrogen, Acid mist, Ammonia, Hydrogen Sulphide and 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, Solar radiation and Rainfall.

3. Further, the following analysts have been approved for recognition as Government Analysts.
- (i) Mrs. Nagalakshmi.N.S.
  - (ii) Mrs. Gunavathy. M.K
  - (iii) Mrs. Apeksha Shenoy


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, 4<sup>th</sup> Floor, E&F Wings, 17<sup>th</sup> Main Road, Koramangala II Block, Bangalore – 560034
- 4. Director, IT Division, MoEF&CC, New Delhi-110003: for uploading on MoEF&CC website