

F.No.15018/21/2018-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 9th May ,2019

To

M/s SMS Labs Services Private Limited
39/6, Thiruvallur High Road
Puduchatram Post, Thirumazhisal Via
Poonamallee Tk, Chennai-600124

Subject: - Recognition of M/s SMS Labs Services Private Limited, 39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisal Via, Poonamallee Tk, Chennai-600124 as Environmental Laboratory under the Environment (Protection) Act. 1986.

Sir,

I am directed to refer to your application dated 17.01.2018 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 59th meeting held on 22nd April, 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 SMS Labs Services Private Limited, 39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisal Via, Poonamallee Tk, Chennai-600124 for five years, as shall be notified in the Gazette of India.

2. As sought in your aforementioned application M/s SMS Labs Services Private Limited, Chennai 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.
- 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, 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, Beryllium, Barium, Manganese, Selenium, Silver and Antimony.
- 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 (TOC), 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 Tests:** Bioassay method for evaluation of toxicity using fish after 96 hrs., 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 and Planktonic identification count.
- viii. **Hazardous Waste:** Preparation of leachate (TCLP extract/water extract), Corrosivity, Ignibility (Flash Point), Reactivity, 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, Bicarbonate, Calcium, Calcium carbonate, Chloride, Colour, Heavy metal,

Magnesium, Nitrate, Nitrite, PAH, Pesticide, Sulphate, TOC, 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, Fluoride, Non methane hydrocarbon, Lead, Ozone, Benzene Toluene Xylene (BTX), Polycyclic aromatic hydrocarbon (PAH) Benzo-a-pyrene & Other, 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, Acid mist, Ammonia, Fluoride (Particulate), Fluoride (Gaseous), Hydro-Chloric acid.
- 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. Further, the following analysts have been approved for recognition as Government Analysts.

- (i) Dr. K.Thulasi Raman
- (ii) Mr. K. Elakkiyathan
- (iii) Mr. R. Iyappan


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, Tamil Nadu Pollution Control Board (TNPCB), 76 Anna Salai, Guindy, Chennai-600032
- 3. Additional Principal Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (SEZ), 1st and 2nd Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai-34.
- 4. Director, IT Division, MoEF&CC, New Delhi-110003: for uploading on MoEF&CC website