

F.No. Q-15018/31/2014-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 9th October, 2017

To

M/s Advanced Environmental Testing and Research Lab Pvt. Ltd.,
63/1, Kailash Vihar, Near ITO,
City Center-II, Gwalior - 474011,
Madhya Pradesh

Subject: Application for Renewal of Recognition of M/s Advanced Environmental Testing and Research Lab Pvt. Ltd., 63/1, Kailash Vihar, Near ITO, City Center-II, Gwalior - 474011, Madhya Pradesh as Environmental Laboratory under the Environment (Protection) Act, 1986 – regarding.

Sir,

I am directed to refer to your application submitted vide letter No. DSP/AEL/GEN/2014-15/031 dated 27th August, 2014 for renewal of recognition of your laboratory under Environment (Protection) Act, 1986 and further intimation regarding change in name of the laboratory submitted vide letter No. DSP/AEL/MoEF/2017/082 dated 24th January 2017. Based on the recommendations of the Expert Committee for Recognition of Environmental Laboratories in its 50th meeting held on 07.06.2017 and 16.06.2017 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 renewal of recognition of M/s Advanced Environmental Testing and Research Lab Pvt. Ltd., 63/1, Kailash Vihar, Near ITO, City Center-II, Gwalior - 474011, Madhya Pradesh for five years, as shall be notified in the Gazette of India.

2. As sought in your aforementioned application, M/s Advanced Environmental Testing and Research Lab Pvt. Ltd. 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), 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, 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, Lithium, Manganese, Selenium, 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), Surfactants, Tannin & lignin, Poly-chlorinated biphenyls (PCB), Polynuclear aromatic hydrocarbons (PAH), Organic carbon (in solid) and Carbon/ Nitrogen ratio
- v. **Microbiological:** Total coliform, Faecal coliform, Faecal streptococci, E.coli, Total plate count, Enterococcus
- vi. **Toxicological:** Bioassay method for evaluation of toxicity using fish, and Measurement of toxicity factor using zebra fish
- vii. **Biological:** Benthic organism identification and count, Macrophytic identification, Planktonic identification count, Measurements of various diversity index, Saprobity Index, Chlorophyll, Primary productivity
- 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, H. Acid, Heavy metal, Magnesium, Nitrate, Nitrite, PAH, Pesticide, Potash (available), Sulphate, Sulphur, Total water soluble salt and Water holding capacity
- x. **Ambient Air/ Fugitive Emissions:** Nitrogen dioxide (NO₂), Sulphur dioxide (SO₂), Total suspended particulate matter, Respirable suspended particulate matter (PM₁₀), Ammonia, Carbon monoxide, Chlorine, Fluoride, Lead, Ozone, Polycyclic aromatic hydrocarbon (PAH), Benzo-a-pyrine & others, 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, Chlorine, Hydrogen sulphide, 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

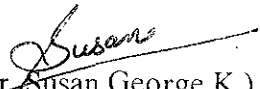
3. The laboratory shall compulsorily participate in the Analytical Quality Control (AQC) exercise conducted by the Central Pollution Control Board (CPCB) at least once a year to ascertain the capability of the laboratory and analyses carried out and shall submit quarterly progress reports to this Ministry.

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. 011-24695439

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, Madhya Pradesh Pollution Control Board, E-5, Arera Colony, Paryavaran Parisar, Bhopal - 462 016, Madhya Pradesh
3. Additional Principal Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal – 462016
4. IT Division, MoEF&CC, New Delhi – 110003: for uploading on MoEF&CC website