

To

**M/s Kalyani Laboratories Pvt. Ltd.**  
**Plot No. 78/944, Near Nissan Show Room**  
**Pahal-752101, (Balianta)**  
**Bhubaneswar, Odisha**

**Subject: -Recognition of M/s Kalyani Laboratories Pvt. Ltd., Plot No. 78/944, Near Nissan Show Room, Pahal-752101 ( Balianta ), Bhubaneswar, Odisha as Environmental Laboratory under the Environment (Protection) Act, 1986 – regarding.**

Sir,

I am directed to refer to your application dated:21.05.2018 for renewal of recognition of your laboratory under Environment (Protection) Act, 1986. Based on the recommendations of the Expert Committee for Recognition of Environmental Laboratories in its 60<sup>th</sup> meeting held on 30.08.2019 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 renewal of recognition of M/s Kalyani Laboratories Pvt. Ltd., Plot No. 78/944, Near Nissan Show Room, Pahal-752101, Balianta, Bhubaneswar, Odisha for five years, as shall be notified in the Gazette of India.

2. As sought in your aforementioned application, M/s Kalyani Laboratories Pvt. Ltd., Bhubaneswar 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), 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, Bromide, 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, Manganese, Selenium, Silver, Strontium, Tin, Antimony, Cobalt 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, Poly-Chlorinated biphenyl (PCB's) each, Polynuclear aromatic hydrocarbon (PAH) each, Organic Carbon (in Solid) and Carbon/Nitrogen ratio.
- (v) **Microbiological Tests:** Total Coliform, Faecal Coliform, Faecal streptococci, E. coli, Total Plate count and Enterococcus.
- (vi) **Toxicological Tests:** Bioassay method for evaluation of toxicity using fish, Measurement of toxicity factor using zebra fish (dimensionless toxicity test).
- (vii) **Biological Tests:** Measurement of various diversity index, Chlorophyll, Primary productivity and P/R Ratio.
- (viii) **Hazardous Waste:** Preparation of Leachate (TCLP extract/water extract), Toxicity, 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,

Exchangeable Sodium Percentages, Heavy metal, Magnesium, Nitrate, Nitrite, PAH, Pesticide, Potash (available), Sulphate, Sulphur, TOC and Total water soluble salt

- (x) **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, Lead, Polycyclic aromatic hydrocarbon (PAH) Benzo-e-pyrine & Other, PM<sub>2.5</sub>.
  - (xi) **Stack Gases/ Source Emission:** Particulate matter, Sulphur dioxide, Velocity & flow, Temperature, Oxides of nitrogen, Ammonia, Fluoride (Particulate), Fluoride(Gaseous), Hydrochloric acid.
  - (xii) **Noise Level:** Noise level measurement (20 to 140 dba), Ambient Noise & Source-specific Noise.
  - (xiii) **Meteorological:** Ambient temperature, Wind direction, Wind speed, Relative Humidity and Rainfall.
  - (xiv) **Vehicular Emission Monitoring:** Carbon monoxide, Hydrocarbon, Oxides of Nitrogen.
3. Further, the following analysts have been approved for recognition as Government Analysts.
- (i) Dr. Debasis Biswal
  - (ii) Dr. Rekha Nayak
  - (iii) Mr. Digambar Arukha

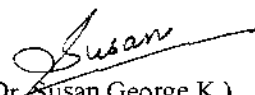
4. The laboratory shall compulsorily participate in the Analytical Quality Control (AQC) exercise conducted by the Central Pollution Control Board (CPCB) at least once a year to ascertain the capability of the laboratory and analyses carried out and shall submit quarterly progress reports to this Ministry.

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, State Pollution Control Board, Pariesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar-751012, Odisha
- 3. Addl. Principal Chief Conservator of Forests (C), Ministry of Env. Forest and Climate Change, Regional Office (EZ), A/3, Chandrasekharpur, Bhubaneswar-751023
- ✓ 4. Director, IT Division, MoEF&CC, New Delhi-110003: for uploading on MoEF&CC website