

F.No.15018/48/2018-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 6th June, 2020

To

M/s Cosmo Conscious Research Laboratory

~~“Survey House”, #121, 1st Floor, II Cross, Nehru Colony
Ballari, Karnataka~~

Subject: Recognition of M/s Cosmo Conscious Research Laboratory, “Survey House”, #121, 1st Floor, II Cross, Nehru Colony, Ballari-583103, Karnataka as Environmental Laboratory under the Environment (Protection) Act, 1986.

Sir,

I am directed to refer to your application dated 06.08.2018 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 62nd Meeting held on 17.03.2020 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 Cosmo Conscious Research Laboratory, “Survey House”, #121, 1st Floor, II Cross, Nehru Colony, Ballari-583103, Karnataka, as shall be notified in the Gazette of India. **Considering the current validity of mandatory accreditations/certifications of the laboratory, this recognition shall be valid up to 12.03.2021.**

2. As sought in your aforementioned application M/s Cosmo Conscious Research Laboratory, 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 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, Iodine and Sulphite.
- 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), Tannin & lignin, Poly-chlorinated biphenyl (PCB's) each, Polynuclear aromatic hydrocarbon (PAH) each.
- 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 and Measurement of toxicity factor using zebra fish.
- vii. **Biological Tests:** Benthic organism identification and count, Planktonic identification count, Chlorophyll and Primary productivity.
- 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, Calcium, Calcium carbonate, Chloride, Exchangeable sodium

percentage, Gypsum requirement, Heavy metal, Magnesium, Mechanical soil analysis, Nitrate, Nitrite, Potash (available), Sulphur, TOC and Water holding capacity.

- ix. **Ambient Air/ Fugitive Emissions:** Nitrogen dioxide as NO₂, Sulphur dioxide (SO₂), Total suspended particulate matter, Respirable suspended particulate matter, Ammonia, Carbon monoxide, Lead, Ozone and PM_{2.5}.
- x. **Stack Gases/ Source Emission:** Particulate matter, Sulphur dioxide, Velocity & flow, Carbon dioxide, Carbon monoxide, Temperature, Oxygen, Oxides of nitrogen, Ammonia, Chlorine, Hydrochloric Acid, 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 and Rain fall.~~

3. Further, the following analysts have been approved for recognition as Government Analysts.

- (i) Mr. K. Somasekhar Rao
- (ii) Mr. B. Maruti Rao
- (iii) Mr. G. Dhavaleshwar

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. This recognition is subject to such accreditations and renewal, as applicable. **The laboratory may approach this Ministry for further extension of validity of recognition after renewal of the mandatory accreditations/ certification concerned.** Such application for extension of validity may be submitted to this Ministry in due advance, preferably before 6 months.

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 Bangalore - 560034

Digitally signed by SUSAN GEORGE K. Division, MoEF&CC, New Delhi-110003: for uploading on MoEF&CC website

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