

F. No. Q-15018/22/2018-CPW
Government of India
Ministry of Environment, Forest and Climate Change
(CP Division)

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Agni-233, Indira Paryavaran Bhavan,
Jor Bagh Road, New Delhi – 110 003

Dated, the 10th June, 2020

To

~~M/s Shiva Test House~~
122-C, Aastha, Road No.-5A,
Patliputra Colony, Patna-800013, Bihar

Subject: Recognition of M/s Shiva Test House, 122-C, Aastha, Road No.-5A, Patliputra Colony, Patna-800013, Bihar as Environmental Laboratory under the Environment (Protection) Act, 1986 – regarding.

Sir,

I am directed to refer to your application dated 23.12.2019 for recognition of your laboratory under Environment (Protection) Act, 1986 at the new address. Based on the recommendations of the Expert Committee for recognition of Environmental Laboratories in its 62nd 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 Shiva Test House, 122-C, Aastha, Road No.-5A, Patliputra Colony, Patna-800013, Bihar, as shall be notified in the Gazette of India. **Considering the current validity of mandatory accreditations/ certifications of the laboratory, this renewal shall be valid up to 25.09.2021.**

2. As sought in your aforementioned application, M/s Shiva Test House, Patna 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, 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.
- (iii) **Inorganic (Trace metals):** Boron, Cadmium, Calcium, Chromium Total, Chromium Hexavalent, Copper, Iron, Lead, Magnesium, Mercury, Nickel, Potassium, Sodium, Sodium absorption ratio, Zinc, Arsenic, Aluminum, Manganese, Tin 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), Tannin & lignin, Poly-Chlorinated biphenyl (PCB's) each, Polynuclear aromatic hydrocarbon (PAH) each.
- (v) **Microbiological Tests:** Total Coliform, Faecal Coliform, Faecal streptococci, E. coli, Total Plate count.
- (vi) **Toxicological Tests:** Bioassay method for evaluation of toxicity using fish, Measurement of toxicity using Daphnia or other organism.
- (vii) **Ambient Air/ Fugitive Emissions:** Nitrogen dioxide (NO₂), Sulphur dioxide (SO₂), Total Suspended particulate matter, Respirable suspended particulate matter (PM₁₀), Ammonia, Carbon monoxide, Lead, Ozone, Benzene Toluene Xylene (BTX), Polycyclic aromatic hydrocarbon (PAH), Benzopyrine & others, PM_{2.5} and Volatile Organic Carbon.

- (viii) **Stack Gases/ Source Emission:** Particulate matter, Sulphur dioxide, Velocity & flow, Carbon dioxide, Carbon Monoxide, Temperature, Oxygen, Oxides of nitrogen, Ammonia, Fluoride (Particulate), Fluoride(Gaseous), Hydrogen Sulphide and Carbon disulphide.
- (ix) **Noise Level:** Noise level measurement (20 to 140 dba), Ambient Noise & Source-specific Noise.
- (x) **Meteorological:** Ambient temperature, Wind direction, Wind speed, Relative Humidity and Rainfall.

3. Further, the following analysts have been approved for recognition as Government Analysts.
- (i) Dr. Shibeswar Prasad
- (ii) Dr. (Mrs.) Shreyasee Prasad

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 mandatory for the laboratory to have requisite accreditations of 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, Bihar State Pollution Control Board, Parivesh Bhawan, Plot No. Ns-B/2 Paliputra Industrial Area, Patliputra, Patna (Bihar) - 800 010
3. Additional Principal Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (ECZ), Bunglow No. A-2, Shyamali Colony, Ranchi-834002.
4. IT Division, MoEF&CC, New Delhi-110003: for uploading on MoEF&CC website

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GEORGE K
Date: 2020.06.20 12:33:26 IST

