



# ENVIRONMENT PROTECTION DEPARTMENT

Government of the Punjab  
National Hockey Stadium, Lahore.



## CERTIFICATION AS AN ENVIRONMENTAL LABORATORY

In exercise of power conferred by clause (K) of sub section (1) of section 6 of the Punjab environmental protection Act 1997 (XXXIV of 1997). The provincial agency is pleased to certify the laboratory mentioned below as an environmental laboratory.

**Name:** Centre for Environment Protection Studies (CEPS)  
PCSIR, Laboratories Complex  
**Address:** Ferozpur Road Lahore

**Certificate No.** 164 /DD(Lab)/EPA/ 05/2019

- This certification is valid for:
  - Liquid effluents/wastes as per Annexure – A
  - Drinking water Quality as per Annexure – B
  - Ambient air quality Annexure – C
  - Motor vehicle exhaust and noise (in use vehicle) Annexure – D
  - Subject to fulfillment of conditions of certificate as per Annexure – E
- This certification is subject to the conditions laid down in regulation 9 of the National environmental quality Standards (Certification of Environmental Laboratories) Regulations, 1999.
- This certificate is valid until 20.05.2022 unless earlier suspended or revoked.

Dated: 20.05.2019

Original copy  
14/6/19  
Hafiz Asad Hussain  
W/Super (CEPS)

Director General

o/c



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## Annexure - A

To Environmental Laboratory Certificate No. 164/DD(Lab)/EPA/05/2017  
in respect of "Certification as an Environmental Laboratory" in favor of Centre  
for Environment Protection Studies (CEPS), PCSIR, Laboratories Complex,  
Ferozpur road Lahore.

### LIQUID EFFLUENTS/WASTES

No.	Liquid Effluent/Wastes Parameter	Capacity per Month (No. of Samples)
1.	Temperature or Temperature Increase	440
2.	pH value (H <sup>+</sup> )	220
3.	Biochemical Oxygen Demand (BOD <sub>5</sub> ) at 20°C	80
4.	Chemical Oxygen Demand (COD)	70
5.	Total Suspended Solids (TSS)	50
6.	Total Dissolved Solids (TDS)	50
7.	Oil and Grease	55
8.	Phenolic, Compounds (as Phenol)	55
9.	Chloride(as Cl <sup>-</sup> )	220
10.	Fluoride (as F <sup>-</sup> )	220
11.	Cyanide(as CN <sup>-</sup> ), total	110
12.	Anionic, Detergents (as MBAS)	110
13.	Sulphate (SO <sub>4</sub> <sup>2-</sup> )	110
14.	Sulphide (S <sup>2-</sup> )	110
15.	Ammonia (NH <sub>3</sub> )	110
16.	Cadmium, Chromium (trivalent and hexavalent), Copper, Lead, Nickel, Silver, Total toxic metals, Mercury, Selenium, Zinc, Barium, Iron, Manganese, Boron	110 each

Dated: 20.05.2019

Director General





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## Annexure - B



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### DRINKING WATER QUALITY

#### Physical Parameters

No.	Drinking water quality parameters	Capacity per month (No. of Samples)
1.	Color	220
2.	Odour, Turbidity, Total Hardness (as CaCO <sub>3</sub> )	110 each
3.	TDS	50
4.	pH	220

#### Chemical Analysis

No.	Drinking water quality parameter	Capacity per month (No. of Samples)
1.	Barium (Ba)	110
2.	Boron (B)	110
3.	Cadmium (Cd)	110
4.	Chloride (Cl)	110
5.	Chromium (Cr)	110
6.	Copper (Cu)	110
7.	Selenium (Se)	110

#### Toxic Inorganic/organic compound

No.	Drinking water quality parameter	Capacity per month (No. of Samples)
1.	Cyanide (CN)	110
2.	Fluoride (F)	110
3.	Lead (Pb)	110
4.	Manganese (Mn)	110
5.	Nickel (Ni)	110
6.	Nitrate (NO <sub>3</sub> )	110
7.	Nitrite (NO <sub>2</sub> -)	110
8.	Zinc (Zn)	110
9.	Phenolic, Compounds (As Phenols)	55
10.	Residual Chlorine	55

Dated: 20.05.2019

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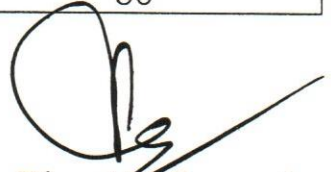
## Annexure - C

To Environmental Laboratory Certificate No. 164/DD(Lab)/EPA/05/2017  
in respect of "Certification as an Environmental Laboratory" in favor of Centre  
for Environment Protection Studies (CEPS), PCSIR, Laboratories Complex,  
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### AMBIENT AIR QUALITY

No.	Ambient Air Quality Parameters	Capacity per month (No. of Samples)
1.	Carbon Monoxide	22
2.	Oxides of Nitrogen	22
3.	Noise	50

Dated: 20.05.2019

  
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## Annexure - D



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### MOTOR VEHICLE EXHAUST AND NOISE (IN USE VEHICLE)

No.	Parameters	Capacity per month (No. of Samples)
1.	Smoke	22
2.	Noise	22

Dated: 20.05.2019

  
Director General

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## Annexure - E

### Conditions of certification

(1) The environmental laboratory shall:

- a. Carry out all tests and analyses, measurements, experimental studies and investigations with due diligence and in accordance with such guidelines, procedures, and methods as may be stipulated by the provincial Agency;
- b. Carry out and maintain record of calibration of its equipment and apparatus;
- c. Follow the quality control and quality assurance procedures established by the provincial agency and participate in performance, system audits, quality control and quality assurance programs organized by the provincial agency;
- d. Keep its premises neat and clean at all times;
- e. Allow any member of the committee or any officer of the provincial agency, duly authorized in this behalf, to enter and inspect equipment and apparatus used in conducting tests and analyses and the reports and records in respect thereof;
- f. Retain records of all tests and analyses and measurements conducted by it for a period of three years from the date thereof;
- g. Take adequate safety measures and precautions against fire hazards and accidents including provision of first-aid facilities;
- h. Ensure availability in its store of adequate stocks of chemicals, back-up equipment and apparatus, and spare parts;
- i. Ensure that it fulfills the criteria laid down in regulation 5 at all times, and that if at any stage any equipment, apparatus or staff is required to be replaced the replacement equipment apparatus or replacement staff is of equivalent or better, specifications, or qualifications and experience, respectively;
- j. Display the certificate issued to it under regulation 8 and a list of its fees for various tests and analyses and measurements, at a prominent place in its premises; and
- k. Submit to the provincial agency an annual report including a list of all tests and analyses conducted by it relating to the environment.

(2) An environmental laboratory shall not without the prior permission, in writing of the provincial agency:

- a. Shift its location or remove any equipment or apparatus from its premises but the equipment or apparatus requiring repair or maintenance outside the premises may be removed for this purpose for a specific period under intimation to the Provincial Agency;
- b. Charge more than the rates as may be fixed from time to time by the provincial agency for specified tests and analysis; or
- c. Sub-contract any work to any other laboratory.

(3) Certification of an environmental laboratory shall not be transferable to any other laboratory.

Dated: 20.05.2019

Director General

etc. [Signature]