



**Environmental Research Laboratory**  
**Department of Environmental Engineering**  
**NED University of Engineering & Technology**



The Department of Environmental Engineering provides a network of analytical laboratory services to a wide range of enterprises, government institutions, researchers and industrial customers. All tests are conducted according to recognized American Society for Testing and Materials (ASTM) standards. The Environmental Research Laboratory has been certified by Sindh Environmental Protection Agency (SEPA).

S. No.	Testing Parameter	Charges in PKR
<b><i>Drinking Water Quality Analysis</i></b>		
1	Total Dissolved Solids (TDS)	500
2	pH	500
3	Turbidity	500
4	Calcium	500
5	Chloride	500
6	Magnesium	500
7	Sulphate	500
8	Sodium	500
9	Potassium	500
10	Nitrite	1000
11	Chlorine	1000
12	Hardness	750
13	Total Coliform (MPN)	1000
14	Fecal Coliform (MPN)	1000
15	<i>E. coli</i>	2000
16	Heterotrophic plate count	1000
17	Total viable count at 22 °C	1000
18	Total viable count at 37 °C	1000
19	Enterococci count ( <i>Streptococcus</i> )	2000
20	<i>Pseudomonas aeruginosa</i>	1000
<b><i>Wastewater Analysis</i></b>		
21	pH	500
22	DO (Dissolved Oxygen)	1000
23	TSS (Total Suspended Solids)	1000
24	Turbidity (NTU)	500
25	Electrical Conductivity (EC)	500
26	Mixed Liquor Volatile Suspended Solids	1000
27	Total Solids (TS)	1000
28	Settleable solids	1000
29	Oil and Grease Concentration	5000
30	Biochemical Oxygen Demand (BOD <sub>5</sub> )	2500

31	Chemical Oxygen Demand (COD)	3000
32	Chlorine	1000
33	Alkalinity	500
34	Hardness	500
35	Ammonia Nitrogen	1000
36	Ortho Phosphate	1000
<b><i>Liquid Petroleum Products (Oil and Fuels)</i></b>		
37	Density and Specific Gravity	2500
38	Kinematic Viscosity	3500
39	Cold Filter Plugging Point	4500
40	Cloud Point	4500
41	Pour Point	4500
42	Flash point	4500
43	pH	1000
44	Free Fatty Acid and Acid value	1000
<b><i>Coal and Biomass Analysis</i></b>		
45	Proximate Analysis (Moisture Content, Volatile Matter, Ash Content and Fixed Carbon)	7,500
46	Ultimate Analysis (C, H, N, S and O)	7,500
47	Calorific value by calculation	2,500
48	Lignocellulosic biomass analysis (cellulose, hemicellulose and lignin)	7,500
<b><i>Noise Level Testing</i></b>		
49	Noise level	1000
<b><i>Air Pollution Testing</i></b>		
50	Ambient air quality	2500
51	Flue gas analysis (O <sub>2</sub> , CO, CO <sub>2</sub> , NO, NO <sub>2</sub> , SO <sub>2</sub> , H <sub>2</sub> S and HC gases)	5000

**Note:**

- Additional Sindh Sales Tax 13 % (Service Tax) will be applicable on all testing charges
- All charges are for the testing results only. Interpretation or analysis of results may be charged extra.
- The testing charges payable in the name of '**Commercial Testing & Other Related Services at NEDUET D. CPL**', A/C No. 06-99-72-29314-714-194339, Habib Metro Bank Limited, University Road Branch, Karachi.

**For more details contact:**

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