

## IESE Laboratory Services

<b>S. No.</b>	<b>Parameters/Test Services</b>	<b>Equipment/Method Used</b>
1	Inorganic Carbon (Through TOC Analyzer)	TOC Analyzer
2	Particle Size Analysis	Particle Size Analyzer
3	Total Carbon (Through TOC Analyzer)	TOC Analyzer
4	Total Organic Carbon (Through TOC Analyzer)	TOC Analyzer
5	pH	Digital pH Meter
6	Electrical Conductivity (EC)	Digital Conductivity Meter
7	Turbidity	Turbidity Meter
8	Hardness	Titrimetry
9	Dissolved Oxygen (DO)	DO Meter
10	Total Chlorine	Titrimetry/Titration Assembly
11	Free Chlorine	Titrimetry/Titration Assembly
12	Total Dissolved Solids (TDS)	Gravimetric/Filteration Assembly
13	Nitrate	Specrophotometer
14	Nitrite	Specrophotometer
15	Sulfate	Specrophotometer
16	Sulfide	Specrophotometer
17	Total Phosphorus (TP)	Specrophotometer
18	Phosphates (Ortho Phosphate)	Specrophotometer
19	Floride	Specrophotometer
20	Chlorides	Titrimetry/Titration Assembly
21	UV Absorbance	Specrophotometer
22	Oxidation Reduction Potential (ORP)	ORP Meter
23	Antibiotics Determination Through HPLC	HPLC
24	Alkalinity	Titrimetry/Titration Assembly
25	Ammonia Nitrogen	Kjeldahl Apparatus
26	Biological Oxygen Demand (BOD)	DO Meter & BOD Apparatus
27	Chemical Oxygen Demand (COD)	Digestion & Titrimetry
28	Soluble COD	Digestion & Titrimetry
29	Optimum Coagulant Dose Through Jar Test	Jar Test Apparatus
30	Total Kjeldahl Nitrogen (TKN)	Kjeldahl Apparatus
31	Total Suspended Solids (TSS)	Gravimetric/Filteration Assembly
32	Volatile Solids (VS)	Gravimetric
33	Volatile Suspended Solids (VSS)	Gravimetric
34	Total Solids (TS)	Gravimetric/Filteration Assembly

35	Alanine Amino Transferase	
36	Bilirubin	AMP Kit & Spectrophomter
37	Creatinine	AMP Kit & Spectrophomter
38	Glucose	AMP Kit & Spectrophomter
39	Total Protein	AMP Kit & Spectrophomter
40	Triglyceride	AMP Kit & Spectrophomter
41	Urea	AMP Kit & Spectrophomter
42	Uric Acid	AMP Kit & Spectrophomter
43	Oil & Grease	n-Hexane Extraction & Separating Funnel
44	Sludge Volume Index	Volumetric (Imhoff Cone)
45	Residual Chlorine	Titrimetry/Titration Assembly
46	Most Probable Number (MPN)	MPN/MF Technique
47	<i>Salmonella shigella</i> (SS) Agar	Autoclave, Laminar Flow Hood & Incubator
48	Nutrient Agar	Autoclave, Laminar Flow Hood & Incubator
49	Ambient Air Monitoring Through Haz Scanner (PM <sub>10</sub> , PM <sub>2.5</sub> , NO <sub>x</sub> , SO <sub>2</sub> , O <sub>3</sub> , CO)	Haz Scanner
50	Mobile Air Monitoring Through MAX-DOAS (NO <sub>2</sub> , O <sub>3</sub> , HCHCO, CHOCHO)	MAX-DOAS
51	Flue Gasses Monitoring (O <sub>2</sub> , CO, NO, SO <sub>2</sub> )	Portable Gas Analyzer
52	Noise Level Measurements	Noise Meter
53	Heavy Metals (Flame Module)	Atomic Absorbtion Spectrophotometer
54	Heavy Metals (Graphite Module)	Atomic Absorbtion Spectrophotometer