



E-mail: [centrallab@ospcboard.org](mailto:centrallab@ospcboard.org)

Website : [www.ospcboard.org](http://www.ospcboard.org)

# CENTRAL LABORATORY

STATE POLLUTION CONTROL BOARD, ODISHA

[DEPARTMENT OF FOREST & ENVIRONMENT, GOVERNMENT OF ODISHA]

Plot No. B-59/2 & 59/3, Chandaka Industrial Estate, Patia,

Bhubaneswar – 751 024

## (A) Sampling Charges

Sl. No.	Type of sampling	Charges in Rs.
1.	<b>GRAB SAMPLING:</b> 1) Grab sampling/ samples/ place 2) For every additional Grab sampling / same place (at same point)	550.00 250.00
2.	<b>COMPOSITE SAMPLING:</b> 1) Composite sampling/source/place upto 8 hrs. -do- upto 16 hrs. -do- upto 24 hrs. 2) For every additional composite sampling/same place but different source upto 8 hrs. -do- upto 16 hrs -do- upto 24 hrs	1000.00 2000.00 3000.00 550.00 1100.00 1650.00
3.	Flow rate Measurement/ Source -do- Once -do- Every additional	400.00 150.00
4.	Bacteriological Sample Collection	200.00
5.	Benthic Organism Sample collection	1000.00
6.	Plankton (sample collection)	250.00
<b>Total Amount</b>		

- Note** (i) Minimum sampling Charge is Rs.700/- irrespective of number of samples.  
(ii) Transportation charges will be separate as per actual basis.  
(iii) Sample analysis charges of respective parameters excluding Field analysis are separate.

## (B) Field Analysis

Sl. No.	Type of sampling	Charges in Rs.
1.	Temperature	60.00
2.	Velocity of Flow (Current meter)	200.00
3.	Velocity of Flow (Other)	550.00



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## Bill for Analysis Charges of Water and Wastewater Samples

Sl. No.	Parameters	Analysis charges per sample in Rs.
<b>PHYSICAL PARAMETERS</b>		
1.	Conductivity	60.00
2.	Odour	60.00
3.	Sludge Volume index (S.V.I)	200.00
4.	Solids (dissolved)	100.00
5.	Solids (fixed)	150.00
6.	Solid (Volatile)	150.00
7.	Suspended Solids	100.00
8.	Total Solids	100.00
9.	Turbidity	60.00
<b>CHEMICAL PARAMETERS</b>		
1.	Acidity	100.00
2.	Alkalinity	100.00
3.	Ammonical Nitrogen	200.00
4.	Adsorbable Organic halogens (AOX)	2000.00
5.	Bicarbonate	100.00
6.	Biochemical Oxygen Demand (BOD)	600.00
7.	Bromide	100.00
8.	Calcium (Titrimetric)	100.00
9.	Carbon dioxide	100.00
10.	Carbonate	100.00
11.	Chloride	100.00
12.	Chlorine Demand	200.00
13.	Chlorine Residual	100.00
14.	Chemical Oxygen Demand (COD)	350.00
15.	Colour	40.00
16.	Cyanide	350.00
17.	Dissolved Oxygen (DO)	100.00
18.	Fluoride	200.00
19.	Free ammonia	260.00
20.	Hardness (Calcium)	100.00
21.	Hardness (Total)	100.00
22.	Iodide	100.00
23.	Nitrite – Nitrogen	200.00
24.	Nitrate – Nitrogen	200.00
25.	Oil and Grease	200.00
26.	Percent Sodium	600.00
27.	Permanganate Value	200.00
28.	pH	60.00
29.	Phenol	200.00
30.	Phosphate (Ortho)	200.00
31.	Phosphate (Total)	350.00
32.	Salinity	100.00
33.	Sodium Absorption Ratio (SAR)	600.00
34.	Settleable Solids	100.00
35.	Silica	200.00
36.	Sulphate	150.00
37.	Sulphide	200.00
38.	Sulphite	250.00
39.	Total Kjeldahl Nitrogen (TKN)	350.00

<b>TRACE METALS</b>		
	Processing / pre treatment charge per sample	500.00
1.	Aluminium (WP)	300.00
2.	Arsenic	300.00
3.	Boron	300.00
4.	Cadmium	300.00
5.	Chromium Hexavalent (WP)	200.00
6.	Chromium Total	300.00
7.	Cobalt	300.00
8.	Copper	300.00
9.	Iron	300.00
10.	Lead	300.00
11.	Magnesium	200.00
12.	Manganese	300.00
13.	Mercury (Processing and Analysis)	800.00
14.	Nickel	300.00
15.	Potassium (WP)	200.00
16.	Selenium	300.00
17.	Sodium (WP)	200.00
18.	Vanadium	300.00
19.	Zinc	300.00
<b>POLYCYCLIC AROMATIC HYDROCARBON</b>		
	Processing / pre treatment charge per sample	1000.00
1.	Polycyclic Aromatic Hydrocarbon (Composite)	750.00
2.	Polycyclic Aromatic Hydrocarbon (Individual) viz.	400.00 each
<b>PESTICIDES</b>		
	Processing / pre treatment charge per sample	1000.00
1.	Individual Pesticide viz.	400.00 each
<b>BIOLOGICAL TEST</b>		
1.	Benthic Organism Identification and Count (each sample)	600.00
2.	Chlorophyll Estimation	600.00
3.	E. Coli (MFT technique)	400.00
4.	E. Coli (MPN technique)	350.00
5.	Fecal Coliform (MFT technique)	400.00
6.	Fecal Coliform (MPN technique)	350.00
7.	Fecal Streptococci (MFT technique)	450.00
8.	Fecal Streptococci (MPN technique)	400.00
9.	Plankton (Phytoplankton) count	600.00
10.	Plankton (Zooplankton) count	600.00
11.	Standard Plate Count	200.00
12.	Total Coliform (MFT technique)	400.00
13.	Total Coliform (MPN technique)	350.00
14.	Total Plate Count	350.00
15.	Toxicological Bio-assay (LC <sub>50</sub> )	2800.00
16.	Toxicological –Dimensionless toxicity test	1600.00

**WP = Without Processing**



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## Part-A Bill for Sampling Charges

### (A) Ambient Air/ Fugitive emission samples

Sl. No.	Type of sampling	Charges in Rs.
1.	Sampling (upto each 8 hrs) for suspended particulate matter and gaseous pollutants	2000.00
2.	Sampling (24 hrs) for suspended particulate matter and gaseous pollutants	6000.00
3	Sampling of volatile organic compounds (VOCs) / Benzene Toluene Xylene, (BTX)	2000.00
4	Sampling of Poly Aromatic Hydrocarbons (PAHs)	2500.00

### (B) Source Emission Monitoring / Sampling Charges

Sl. No.	Type of sampling	Charges in Rs.
1.	Sampling/ measurement of velocity, flow rate, temperature and molecular weight of Flue Gas (each specific location/ each sample in duplicate for the mentioned parameter)	5500.00
2.	Sampling of SO <sub>2</sub> / NO <sub>2</sub>	2000.00
3	Sampling of PAHs	3000.00
4	Sampling of VOCs / BTX	3500.00

**Note:** (i) Transportation charges will be separate as per actual basis

(ii) Sample analysis charges of respective parameters are separate.

### (C) Noise Monitoring

Type of sampling	Charges in Rs.
First Monitoring	4000.00
Each Subsequent Monitoring within same premises	2000.00
For 08 hours Continuous Monitoring or more in a day	10,000.00

### (D) Auto Exhaust Monitoring

Sl. No.	Type of Vehicles	Charges in Rs. (including cost of the computerized photo)
1	2 & 3 Wheelers	40.00
2	Light Motor Vehicles	60.00
3	Medium and Heavy Motor Vehicles	100.00

## Part-B Bill for Analysis Charges

### (A) Ambient Air/ Fugitive Emission Samples

Sl. No.	Parameters	Analysis charges per sample in Rs.
1.	Ammonia	600.00
2.	Analysis using dragger (per tube)	400.00
3.	Benzene, Toluene, Xylene (BTX)	1000.00
4.	Carbon Monoxide	600.00
5.	Chlorine	600.00
6.	Fluoride (gaseous)	600.00
7.	Fluoride (particulate)	600.00
8.	Hydrogen Chloride	600.00
9.	Hydrogen Sulphide	600.00
10.	NO <sub>2</sub>	600.00
11.	Sulphur Dioxide	600.00
12.	Ozone	1000.00
13.	Suspended Particulate Matter (SPM)	600.00
14.	Particulate Matter (PM <sub>2.5</sub> )	1000.00
15.	Respirable Suspended Particulate Matter (PM <sub>10</sub> )	600.00
<b>Trace Metals</b>		
	Processing / pre treatment charge per sample	500.00
1.	Chromium Hexavalent	200.00
2.	Chromium Total	300.00
3.	Lead	300.00
4.	Nickel	300.00
5.	Mercury (Processing and Analysis)	800.00
<b>Polycyclic Aromatic Hydrocarbon</b>		
	Processing / pre treatment charge per sample	1000.00
1.	Polycyclic Aromatic Hydrocarbon (Composite)	750.00
2.	Polycyclic Aromatic Hydrocarbon (Individual) viz.	400.00 each

### (B) Source Emission Samples

Sl. No.	Parameters	Analysis charges per sample in Rs.
1	Acid mist	600.00
2	Ammonia	600.00
3	Carbon Monoxide	600.00
4	Chlorine	600.00
5	Fluoride (Gaseous)	600.00
6	Fluorides (Particulate)	600.00
7	Hydrogen Chloride	600.00
8	Hydrogen Sulphide	600.00
9	Oxides of Nitrogen	600.00
10	Oxygen	500.00
11	Suspended particulate matter	600.00
12	Sulphur Dioxide	600.00
13	Benzene Toluene Xylene (BTX)	1500.00
14	Volatile Organic Compounds (VOC)	3000.00
<b>15</b>	<b>Polycyclic Aromatic Hydrocarbons (Particulate)</b>	
(a)	Processing / pre treatment charge per sample	1000.00
(b)	Polycyclic Aromatic Hydrocarbon (Composite)	750.00
(c)	Polycyclic Aromatic Hydrocarbon (Individual) viz.	400.00 each



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## Part-A Bill for Sampling Charges

### (A) Soil/ Sludge/ Sediment/Solid Waste/ Solid samples

Sl. No.	Parameters	Sampling charges per sample in Rs.
1.	Grab sampling/ sample/ place	600.00
2.	For additional Grab sampling/ same place	300.00

### (B) Hazardous Waste Samples

Sl. No.	Parameters	Sampling charges per sample in Rs.
1.	Integrated sample collection charges	1000.00

**Note:** (i) Transportation charges will be separate as per actual basis.

(ii) Sample analysis charges of respective parameters are

## Part-B Bill for Analysis Charges

### (A) Soil/ Sludge/ Sediment/Solid Waste/ Solid / Hazardous Waste samples

Sl. No.	Parameters	Sampling charges per sample in Rs.
1.	Bulk Density	100.00
2.	Cation Exchange Capacity (CEC)	400.00
3.	Colour	100.00
4.	Corrositivity	550.00
5.	Electrical Conductivity (EC)	100.00
6.	Exchangeable Sodium Percentage (ESP)	550.00
7.	Flash Point/ Ignitibility	550.00
8.	Gypsum requirement	350.00
9.	Mechanical Soil analysis(soil texture)	150.00
10.	Reactivity	550.00
11.	Soil Moisture	100.00
12.	Soil Porosity	100.00
13.	Total Water Soluble Salts	200.00
14.	Water Holding Capacity	100.00
15.	Adsorbable Organic halogen (AOx)	2000.00
16.	Ammonia	300.00
17.	Bicarbonate	200.00
18.	Boron	400.00
19.	Calcium	150.00
20.	Calcium Carbonate	350.00
21.	Chloride	150.00
22.	Fluoride	200.00
23.	H. Acid	400.00
24.	Magnesium	300.00
25.	Nitrate	300.00
26.	Nitrite	300.00
27.	Nitrogen available	350.00
28.	Organic Carbon/ Matter (chemical method)	350.00

Sl. No.	Parameters	Sampling charges per sample in Rs.
29.	Total Organic Carbon (Other method)	550.00
30.	Oil and Grease	200.00
31.	pH	100.00
32.	Phosphorous (available)	400.00
33.	Phosphate(ortho)	300.00
34.	Phosphate(total)	400.00
35.	Potash(Available)	200.00
36.	Potassium	300.00
37.	SAR in Soil extract	650.00
38.	Sodium	300.00
39.	Sulphate	200.00
40.	Sulphur	350.00
41.	Total Kjeldahl Nitrogen (TKN)	400.00
<b>Trace Metals</b>		
	Processing / pre treatment charge per sample	500.00
1.	Aluminium	300.00
2.	Arsenic	300.00
3.	Boron	300.00
4.	Cadmium	300.00
5.	Chromium Total	300.00
6.	Cobalt	300.00
7.	Copper	300.00
8.	Iron	300.00
9.	Lead	300.00
10.	Manganese	300.00
11.	Nickel	300.00
12.	Selenium	300.00
13.	Vanadium	300.00
14.	Zinc	300.00
	Chromium Hexavalent (Processing and Analysis)	700.00
	Mercury (Processing and Analysis)	800.00
<b>Polycyclic Aromatic Hydrocarbons</b>		
(a)	Processing / pre treatment charge per sample	1000.00
(b)	Polycyclic Aromatic Hydrocarbon (Composite)	750.00
(c)	Polycyclic Aromatic Hydrocarbon (Individual) viz.	400.00 each
<b>Pesticides</b>		
(a)	Processing / pre treatment charge per sample	1000.00
(b)	Pesticides (Individual) viz.	400.00 each
<b>Measurement of Toxicity</b>		
	LC50	2800.00
	Dimensionless Toxicity	1600.00

### (B) Leachate Analysis (TCLP Extract/ Water Extract)

Sl. No.	Parameters	Sampling charges per sample in Rs.
.	Preparation of Leachate (TCLP extract / Water Extract)	1000.00
1.	Adsorbable Organic halogens (AOX)	2000.00
2.	Chloride	100.00
3.	Cyanide	350.00
4.	Fluoride	200.00
5.	Nitrite – Nitrogen	200.00
6.	Nitrate – Nitrogen	200.00
7.	pH	60.00
8.	Phenol	200.00
9.	Phosphate (Ortho)	200.00
10	Phosphate (Total)	350.00
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Sl. No.	Parameters	Analysis charges per sample in Rs.
<b>Trace Metals</b>		
1.	Aluminium	300.00
2.	Arsenic	300.00
3.	Cadmium	300.00
4.	Chromium Hexavalent	200.00
5.	Chromium Total	300.00
6.	Cobalt	300.00
7.	Copper	300.00
8.	Iron	300.00
9.	Lead	300.00
10.	Manganese	300.00
11.	Nickel	300.00
12.	Potassium	200.00
13.	Selenium	300.00
14.	Sodium	200.00
15.	Vanadium	300.00
16.	Zinc	300.00
17.	Mercury (Processing and Analysis)	800.00
<b>Polycyclic Aromatic Hydrocarbons</b>		
	Processing / pre treatment charge per sample	1000.00
1.	Polycyclic Aromatic Hydrocarbon (Composite)	750.00
2.	Polycyclic Aromatic Hydrocarbon (Individual) viz.	400.00 each