



FAX : 2562822/2560955
TEL : 2564033/2563294
EPABX : 2561909/2562847
E-mail : paribesh1@ospcboard.org
Website : www.ospcboard.org

STATE POLLUTION CONTROL BOARD, ODISHA

[DEPARTMENT OF FOREST, ENVIRONMENT & CLIMATE CHANGE, GOVERNMENT OF ODISHA]

Paribesh Bhawan, A/118, Nilakanthanagar, Unit-VIII,

Bhubaneswar – 751 012

No. 25008

Dt. 29.10.2022

VI-SC (CLP) Proj-115/22-23

OFFICE ORDER

In continuation of this office order No. 7828 dated 01.8.2019, the revised analysis charges of Ambient Air, Fugitive emission samples, Source emission parameters, Water and Wastewater samples, soil / sludge/sediment/solid waste and Hazardous waste samples and Sampling charges have been approved in 126th Board Meeting held on 25.8.2022. The same will come into immediate effect.


MEMBER SECRETARY

Memo No. 25009 / Dt. 29.10.2022

Copy forwarded to The Director, Institute of Minerals and Material Technology, Bhubaneswar for kind information and necessary action. A copy of the approved rate chart is enclosed for kind reference.

Encl : As above


MEMBER SECRETARY

Memo No. 25010 (14) / Dt. 29.10.2022

Copy forwarded to all Regional Officers of SPC Board/ All Branch Officers for kind information and necessary action. A copy of the approved rate chart is enclosed for reference.

Encl : As above


MEMBER SECRETARY

Memo No. 25011 / Dt. 29.10.2022

Copy forwarded to Er. Mamata Patnaik, System Administrator, State Pollution Control Board, Odisha for information and taking action to upload the Revised Analysis Charge in Board's website (www.ospcboard.org).

Encl : As above


MEMBER SECRETARY



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STATE POLLUTION CONTROL BOARD, ODISHA
[DEPARTMENT OF FOREST, ENVIRONMENT & CLIMATE CHANGE, GOVERNMENT OF ODISHA]
Paribesh Bhawan, A/118, Nilakanthanagar, Unit-VIII,
Bhubaneswar – 751 012

VI-SC (CLP) Proj-115/22-23

SCHEDULE FOR SAMPLING AND ANALYSIS CHARGES FOR ENVIRONMENTAL SAMPLES

(Office Order No. 20008 dated 29.10.2022)

Note : This schedule supersedes all schedule of sampling and analysis charges notified earlier as such earlier schedules stand cancelled and withdrawn.

A. SAMPLING CHARGES

(I) Sampling charges for Ambient Air/ Fugitive emission samples

Sl. No.	Type of sampling	Charges in Rs.
1.	Air Monitoring	
	(a) Sampling (upto each 8 hrs) for suspended particulate matter and gaseous pollutants	3500.00
	(b) Sampling (24 hrs) for suspended particulate matter and gaseous pollutants	10500.00
	(c) Sampling of volatile organic compounds (VOCs) / Benzene Toluene Xylene (BTX)	4800.00
	(d) Sampling of Poly Aromatic Hydrocarbons (PAHs)	8600.00
(e) Sampling (24 hrs using PUF HVS) of ambient air for Dioxin-Furan (17 congeners of PCDDs-PCDFs)	20500.00	

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

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

(II) Source Emission Monitoring / Sampling Charges

Sl. No.	Type of Sampling	Charges in Rs.
1.	Source Emission Monitoring	
	(a) Sampling/ measurement of velocity, flow rate, temperature and molecular weight of Flue Gas (each specific location/ each sample in duplicate for the mentioned parameter)	13000.00
(b)	Sampling of SO ₂ / NO ₂	4800.00

	(c)	Sampling of Volatile Organic Compounds (VOCs / Benzene Toluene Xylene (BTX)	7200.00
	(d)	Sampling of Poly Aromatic Hydrocarbons (PAHs)	12000.00
	(e)	Sampling of emission from stationery source for Dioxin-Furan (17 congeners of PCDDs-PCDFs) using Manual sampling Kit	25000.00
	(f)	Sampling of emission from stationery sources for halides and hydrogen fluoride(HCL & HF) using Manual sampling Kit(Duplicate Sample)	10000.00
	(g)	Sampling of emission from stationery sources for TOC using instrumental method	5000.00

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

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

(III) Noise Monitoring

Sl. No.	Type of Sampling	Charges in Rs.
1.	Noise Monitoring	
	(a) First Monitoring	7000.00
	(b) Each Subsequent Monitoring within same premises	3500.00
	(c) For 08 hours Continuous Monitoring or more	18,000.00

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

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

(IV) Sampling Charges for Water & Wastewater Samples

Sl. No.	Type of sampling	Charges in Rs.
1.	GRAB SAMPLING:	
	1) Grab sampling/ samples/ place	1050.00
	2) For every additional Grab sampling / same place	500.00
2.	COMPOSITE SAMPLING:	
	1) Composite sampling/source/place upto 8 hrs.	2000.00
	-do- upto 16 hrs.	4000.00
	-do- upto 24 hrs.	5300.00
	2) For every additional composite sampling/same place but different source upto 8 hrs.	1050.00
	-do- upto 16 hrs.	2200.00

	-do- upto 24 hrs.	3000.00
3.	Flow rate measurement/ source -Once	850.00
	-do- - Every additional	300.00

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

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

(V) Sampling charges for Soil samples

Type of Sampling	Charges in Rs.
Grab sampling/ sample/ place	1150.00
For additional Grab sampling / same place	600.00

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

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

(VI) Hazardous Waste Sample collection charges at the premises of Industry/ Import site/ Disposal site

Type	Charges in Rs.
Integrated sample collection charges	2000.00

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

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

B. ANALYSIS CHARGES

I. Analysis charges of Ambient Air/ Fugitive Emission Samples

Sl. No	Parameters (Air)	Analysis charges per sample in Rs.
1.	Ammonia	1450.00
2.	Analysis using dragger (per tube)	950.00
3.	Benzene Toluene Xylene (BTX)	2450.00
4.	Carbon Monoxide	1450.00
5.	Chlorine	1450.00
6.	Fluoride (gaseous)	1450.00
7.	Fluoride (particulate)	1450.00
8.	Hydrogen Chloride	1450.00
9.	Hydrogen Sulphide	1450.00
10.	Lead & Other Metals (per metal)	As mentioned in respective group at clause 5.0
11.	NO ₂	1450.00
12.	Ozone	2450.00
13.	Poly Aromatic Hydrocarbons (PAHs)	As mentioned in respective group at

		clause 5.0
14.	Suspended Particulate Matter (SPM)	1120.00
15.	Particulate Matter (PM _{2.5})	1900.00
16.	Respirable Suspended Particulate Matter (PM ₁₀)	1120.00
17.	Sulphur Dioxide	1120.00
18.	Volatile Organic Carbon	4750.00
19.	Trace metals on air, filter paper using EDXRF Aluminium, Antimony, Arsenic, Barium, Bromine, Cadmium, Calcium, Cesium, Chlorine, Chromium, Cobalt, Copper, Gallium, Germanium, Gold, Iodine, Iron, Lanthanum, Lead, Magnesium, Manganese, Molybdenum, Nickel, Palladium, Phosphorous, Potassium, Rubidium, Rutherfordium, Selenium, Silicon, Silver, Sodium, Strontium, Sulphur, Tellurium, Tin, Titanium, Tungsten, Vanadium, Ytterbium and Zinc	6000.00 Per filter paper
20.	Water extractable ions in air particulate matter using Ion Chromatograph (IC) i) Processing / pretreatment charge per sample (filter paper) ii) Cations (Na ⁺ , NH ₄ ⁺ , K ⁺ , Ca ⁺⁺ , & Mg ⁺⁺) and Anions (F ⁻ , Br ⁻ , Cl ⁻ , NO ₃ ⁻ , NO ₂ ⁻ , SO ₄ ⁻² & PO ₄ ⁻³)	560.00 3500.00 (for 12 ions)
21.	Organic and Elemental Carbon (OC/EC) on quartz filter paper	4800.00
22	Sample processing and analysis for Dioxin-Furan (PCDDs-PCDFs 17 congeners) (Isotope dilution method using GC-HRMS	75000.00

II. Analysis charges for Source Emission Parameters

Sl. No.	Parameters	Analysis charges per sample in Rs.
1	Acid mist	1450.00
2	Ammonia	1450.00
3	Carbon Monoxide	1450.00
4	Chlorine	1450.00
5	Fluoride (Gaseous)	1450.00
6	Fluorides (Particulate)	1450.00
7	Hydrogen Chloride	1450.00
8	Hydrogen Sulphide	1450.00
9	Oxides of Nitrogen	1450.00
10	Oxygen	1200.00
11	Polycyclic Aromatic Hydrocarbons (Particulate)	As mentioned in respective group at clause V
12	Suspended particulate matter	1450.00
13	Sulphur Dioxide	1450.00
14	Benzene Toluene Xylene (BTX)	3700.00
15	Volatile Organic Compounds (VOC)	7250.00
16	Sample processing and analysis for Dioxin-Furan(17 congeners of PCDDs-PCDFs) (Isotope dilution method using GC-HRMS	75000.00
17.	Processing and analysis of halides and	1575.00

	hydrogen fluoride (HCL & HF) IC method	
18.	Analysis of Carbon di sulfide	1120.00

III. Ambient Air Quality Monitoring using on-line monitoring instruments by Mobile Van

Parameters	Charges in Rs.
PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , SPM, CO along with Meteorological data viz. temperature, Humidity, wind speed, wind direction	Rs.6200.00 per hour (minimum charges Rs.15,000/-) + Rs.50.00/km run of the van for 24 hours monitoring.

IV. Auto Exhaust Monitoring – One time checking of Vehicular Exhaust

Sl. No.	Type of vehicles	Charges in Rs.
1	Carbon Monoxide %	As per rate notified by transport department
2	Hydrocarbon, PPM	
3	Smoke Density, HSU	

V. Analysis Charges of Water and Wastewater Samples

Sl. No	Parameters	Analysis charges per sample in Rs.
PHYSICAL PARAMETERS		
1.	Conductivity	150.00
2.	Odour	150.00
3.	Sludge Volume index (S.V.I)	500.00
4.	Solids (dissolved)	250.00
5.	Solids (fixed)	350.00
6.	Solid (Volatile)	350.00
7.	Suspended Solids	250.00
8.	Temperature	150.00
9.	Total Solids	250.00
10.	Turbidity	150.00
11.	Velocity of Flow (Current Meter)	500.00
12.	Velocity of Flow (other)	1200.00
CHEMICAL PARAMETERS		
Inorganic		
1.	Acidity	250.00
2.	Alkalinity	250.00

3.	Ammonical Nitrogen	500.00
4.	Bicarbonates	250.00
5.	Biochemical Oxygen Demand (BOD)	1500.00
6.	Bromide	250.00
7.	Calcium (Titrimetric)	250.00
8.	Carbon dioxide	250.00
9.	Carbonate	250.00
10.	Chloride	250.00
11.	Chlorine Demand	500.00
12.	Chlorine Residual	250.00
13.	Chemical Oxygen Demand (COD)	850.00
14.	Cyanide	850.00
15.	Detergent	500.00
16.	Dissolved Oxygen (DO)	250.00
17.	Fluoride	500.00
18.	H. Acid	850.00
19.	Hardness (Calcium)	250.00
20.	Hardness (Total)	250.00
21.	Iodide	250.00
22.	Nitrate – Nitrogen	500.00
23.	Nitrite – Nitrogen	500.00
24.	Percent Sodium	1500.00
25.	Permanganate Value	500.00
26.	pH	150.00
27.	Phosphate (Ortho)	500.00
28.	Phosphate (Total)	850.00
29.	Salinity	250.00
30.	Sodium Absorption Ratio (SAR)	1500.00
31.	Settleable Solids	250.00
32.	Silica	500.00
33.	Sulphate	350.00
34.	Sulphide	500.00
35.	Total Kjeldahl Nitrogen (TKN)	850.00
36.	Urea Nitrogen	850.00
37.	Cations (Na ⁺ , NH ₄ ⁺ , K ⁺ , Ca ⁺⁺ , & Mg ⁺⁺) and Anions (F ⁻ , Br ⁻ , Cl ⁻ , NO ₃ ⁻ , NO ₂ ⁻ , SO ₄ ⁻ & PO ₄ ⁻) in surface and ground water samples using Ion Chromatograph	3500.00 (for 12 ions)
Metals		
	Processing / pre treatment charge per sample	1450.00
1.	Aluminium	530.00
2.	Antimony	530.00
3.	Arsenic	530.00
4.	Barium	530.00
5.	Beryllium	530.00
6.	Boron	530.00
7.	Cadmium	530.00
8.	Chromium Hexavalent	500.00

9.	Chromium Total	530.00
10.	Cobalt	530.00
11.	Copper	530.00
12.	Iron	530.00
13.	Lead	530.00
14.	Magnesium	500.00
15.	Manganese	530.00
16.	Mercury (Processing and Analysis)	2200.00
17.	Molybdenum	530.00
18.	Nickel	530.00
19.	Potassium	500.00
20.	Tin	530.00
21.	Selenium	530.00
22.	Silver	650.00
23.	Sodium	500.00
24.	Strontium	530.00
25.	Vanadium	530.00
26.	Zinc	530.00
	Organics	
Organo Chlorine Pesticides (OCPs)		
	Processing / pretreatment charge per sample	1800.00
1.	Aldrine	700.00
2.	Dicofol	700.00
3.	Dieldrin	700.00
4.	Endosulfan-I	700.00
5.	Endosulfan-II	700.00
6.	Endosulfan-Sulfate	700.00
7.	Heptachlor	700.00
8.	Hexachlorobenzene (HCB)	700.00
9.	Methoxychlor	700.00
10.	o,p DDT	700.00
11.	p,p'- DDD	700.00
12.	p,p'- DDE	700.00
13.	p'p DDT	700.00
14.	α -HCH	700.00
15.	β -HCH	700.00
16.	γ -HCH	700.00
17.	δ -HCH	700.00
Organo Phosphorous Pesticides (OPPs)		
	Processing / pre treatment charge per sample	1800.00
1.	Chlorpyrifos	700.00
2.	Dimethoate	700.00
3.	Ethion	700.00
4.	Malathion	700.00
5.	Monocrotophos	700.00
6.	Parathion-methyl	700.00

7.	Phorate	700.00
8.	Phosphamidon	700.00
9.	Profenophos	700.00
10.	Quinalphos	700.00
11.	Anilophos	700.00
Synthetic Pyrethroids (SPs)		
	Processing / pre treatment charge per sample	1800.00
1.	Deltamethrin	700.00
2.	Fenpropethrin	700.00
3.	Fenvalerate	700.00
4.	α -Cypermethrin	700.00
5.	β -Cyfluthrin	700.00
6.	γ -Cyhalothrin	700.00
Herbicides		
	Processing / pre treatment charge per sample	1800.00
1.	Alachlor	700.00
2.	Butachlor	700.00
3.	Fluchloralin	700.00
4.	Pendimethalin	700.00
5.	2,4-D	700.00
6.	Atrazine	700.00
Polycyclic Aromatic Hydrocarbons (PAHs)		
	Processing / pre treatment charge per sample	1800.00
1.	Acenaphthene	700.00
2.	Acenaphthylene	700.00
3.	Anthracene	700.00
4.	Benzo(a)anthracene	700.00
5.	Benzo(a)Pyrene	700.00
6.	Benzo(b)fluoranthene	700.00
7.	Benzo(e)Pyrene	700.00
8.	Benzo(g,h,i) Perylene	700.00
9.	Benzo(k)fluoranthene	700.00
10.	Chrysene	700.00
11.	Dibenzo(a,h)anthracene	700.00
12.	Fluoranthene	700.00
13.	Fluorene	700.00
14.	Indeno (1,2,3-cd)pyrene	700.00
15.	Naphthalene	700.00
16.	Perylene	700.00
17.	Phenanthrene	700.00
18.	Pyrene	700.00
Polychlorinated Biphenyls (PCBs) as Aroclor Mixtures		
	Processing / pre treatment charge per sample	1800.00
1.	Aroclor 1221	700.00

2.	Aroclor 1016	700.00
3.	Aroclor 1232	700.00
4.	Aroclor 1242	700.00
5.	Aroclor 1248	700.00
6.	Aroclor 1254	700.00
7.	Aroclor 1260	700.00
Polychlorinated Biphenyls (PCBs) as Enviro-Indicator		
	Processing/Pre-treatment charge per sample	1800.00
1.	2,4,4'-trichlorobiphenyl(PCB-28)	700.00
2.	2,2',5,5'-tetrachlorobiphenyl(PCB-58)	700.00
3.	2,2'4,5,5'-pentachlorobiphenyl(PCB-101)	700.00
4.	2,3',4,4',5-pentachlorobiphenyl(PCB-118)	700.00
5.	2,2',3,4,4',5'-hexachlorobiphenyl(PCB-138)	700.00
6.	2,2',4,4',5,5'-hexachlorobiphenyl(PCB-153)	700.00
7.	2,2',3,4,4',5,5'-heptachlorobiphenyl(PCB-180)	700.00

Sl. No	Parameters	Analysis charges per test in Rs.
Trihalomethane (THM)		
	Processing / pre treatment charge per sample	1400.00
1.	Bromodichloromethane	700.00
2.	Bromoform	700.00
3.	Chloroform	700.00
4.	Dibromochloromethane	700.00
Phenolic Compounds		
	Processing / pre treatment charge per sample	1800.00
1.	Phenol	700.00
2.	4-nitrophenol	700.00
3.	2,4-dinitrophenol	700.00
4.	2-nitrophenol	700.00
5.	2-chlorophenol	700.00
6.	2,4-dimethylphenol	700.00
7.	2-methyl,4,6-dinitrophenol	700.00
8.	4-chloro,3-methylphenol	700.00
9.	2,4-dichlorophenol	700.00
10.	2,4,6-trichlorophenol	700.00
11.	Pentachlorophenol	700.00
Carbamate Pesticides		
	Processing / pre treatment charge per sample	1800.00

1.	Carbaryl	700.00
2.	Carbofuran	700.00
3.	Aldicarb	700.00
4.	Aldicarb Sulphone	700.00
5.	Propoxur	700.00
6.	Oxamyl	700.00
Chlorobenzenes		
	Processing / pre treatment charge per sample	1800.00
1.	1,4-Dichlorobenzene	700.00
2.	1,3-Dichlorobenzene	700.00
3.	1,2,3-Trichlorobenzene	700.00
4.	1,2,4-Trichlorobenzene	700.00
5.	1,2,3,5-Tetrachlorobenzene	700.00
6.	Pentachlorobenzene	700.00
7.	Hexachlorobenzene	700.00
Other Organic Parameters		
1.	Adsorbable Organic halogens (AOX)	3500.00
2.	Tanin/ Lignin	620.00
3.	Oil and Grease	500.00
4.	Phenol	500.00
5.	Total Organic carbon (TOC)	1000.00
BIOLOGICAL TEST		
1.	Bacteriological Sample Collection	500.00
2.	Benthos Organism Identification and Count (each sample)	1250.00
3.	Benthos Organism Sample collection	2200.00
4.	Chlorophyll Estimation	1250.00
5.	E. Coli (MFT technique)	1300.00
6.	E. Coli (MPN technique)	1200.00
7.	Fecal Coliform (MFT technique)	1300.00
8.	Fecal Coliform (MPN technique)	1200.00
9.	Fecal Streptococci (MFT technique)	1450.00
10.	Fecal Streptococci (MPN technique)	1200.00
11.	Plankton (sample collection)	500.00
12.	Plankton (Phytoplankton) count	1200.00
13.	Plankton (Zooplankton) count	1200.00
14.	Standard Plate Count	550.00
15.	Total Coliform (MFT technique)	1300.00
16.	Total Coliform (MPN technique)	1200.00
17.	Total Plate Count	500.00
18.	Toxicological Bio-assay (LC ₅₀)	6000.00
19.	Toxicological –Dimensionless toxicity test	3500.00

Note:

- i. Sampling charges for water and waste water samples are separate as specified in Clause A(IV), but subject to minimum of Rs.700/- irrespective of number of samples.
- ii. Transportation charges are separate on actual basis.

VI. Analysis charges of Soil/ Sludge/ Sediment/ Solid waste/ Solid samples

Sl. No.	Parameters	Analysis charges per test in Rs.
1	Ammonia	850.00
2	Bicarbonate	500.00
3	Boron	900.00
4	Calcium	350.00
5	Calcium Carbonate	850.00
6	Cation Exchange Capacity (CEC)	900.00
7	Chloride	350.00
8	Colour	250.00
9	Electrical Conductivity (EC)	250.00
10	Exchangeable Sodium Percentage (ESP)	1250.00
11	Gypsum requirement	850.00
12	H. Acid	950.00
13	Heavy metal	As mention in respective group at clause V
14	Trace metals using ED-XRF Aluminium, Antimony, Arsenic, Barium, Bromine, Cadmium, Calcium, Cesium, Chlorine, Chromium, Cobalt, Copper, Gallium, Germanium, Gold, Iodine, Iron, Lanthanum, Lead, Magnesium, Manganese, Molybdenum, Nickel, Palladium, Phosphorous, Potassium, Rubidium, Rutherfordium, Selenium, Silicon, Silver, Sodium, Strontium, Sulphur, Tellurium, Tin, Titanium, Tungsten, Vanadium, Ytterbium and Zinc per sample	9500.00
15	Magnesium	850.00
16.	Mechanical Soil analysis(soil texture)	350.00
17	Nitrate	850.00
18	Nitrite	850.00
19	Nitrogen available	950.00
20	Organic Carbon/ Matter (chemical method)	950.00
21	Polycyclic Aromatic Hydrocarbons (PAHs)	As mention in respective group at clause V
22	Polychlorinated Biphenyls (PCBs)	As mention in respective group at clause V
23	Pesticides	As mention in respective group at clause V
24	pH	240.00
25	Phosphorous (available)	980.00
26	Phosphate(ortho)	720.00
27	Phosphate(total)	980.00

28	Potash(Available)	500.00
29	Potassium	750.00
30	Sodium Absorption Ratio (SAR) in Soil extract	1650.00
31	Sodium	750.00
32	Soil Moisture	250.00
33	Sulphate	450.00
34	Sulphur	800.00
35	Total Kjelhdhal Nitrogen (TKN)	950.00
36	TOC	1350.00
37	Total Water Soluble Salts	500.00
38	Water Holding Capacity	250.00
39	Sample processing and analysis for Dioxin-Furan (17 congeners of PCDDs-PCDFs) (Isotope dilution method using GC-HRMS)	75000.00

VIII. Analysis charges for Hazardous Waste samples

Sl. No.	Parameters	Analysis Charges per test in Rs.
1.	Preparation of Leachate (TCLP extract / Water Extract)	1750.00
2.	Determination of various parameters in Leachate	As mention in respective group at clause 5.0
3.	Flash point/ Ignitibility	1100.00
4.	Reactivity	1100.00
5.	Corrosivity	1100.00
6.	Measurement of Toxicity	
	- LC ₅₀	6000.00
	- Dimensionless Toxicity	3500.00
7.	Total Organic Carbon	1250.00
8.	Adsorbable organic Halogen (AOx)	5000.00

VIII. AQC Participation Fees :

To be charged by CPCB from respective SPCBs/PCCs or recognized laboratory for Analytical Quality Control Exercise (AQC) samples.

1	Laboratories of Govt./Semi-Govt. / Public sector undertaken/Autonomous bodies	20000.00
2	Private Sector laboratories	30000.00