

019649



ABSTRACT

Environment, Climate Change – Tamil Nadu Pollution Control Board – Revision of Sampling and Analytical charges for Water Samples in Tamil Nadu Pollution Control Board Laboratories on par with the Central Pollution Control Board, New Delhi -Amendment to Rule 28C of Tamil Nadu Water (Prevention and Control of Pollution) Rules, 1983 - Orders issued.

Environment, Climate Change and Forest (EC-1) Department

G.O.(2D).No. 77



Dated: 21.08.2024

குரோதி, ஆவணி- 5

திருவள்ளூர் ஆண்டு-2055

Read:

From the Member Secretary, Tamil Nadu Pollution Control Board
Letter No. TNPCB/DD(L)/02031/2019, Dated 01.09.2023.

* * * * *

ORDER:

In the letter read above, the Chairperson, Tamil Nadu Pollution Control Board (TNPCB) has stated that the Central Pollution Control Board has revised its sampling and analytical charges vide the Gazette Notification (No.Legal/42(3)/87) of India dated 23.02.2022. During the earlier revision of sampling and analytical charges in the year 2021, the Government had permitted the Tamil Nadu Pollution Control Board to adopt the Central Pollution Control Board revised rates. Likewise, the analytical charges as per the current Central Pollution Control Board notification for the Water / Wastewater / Biological test / Soil / Hazardous waste / Fugitive emission / Auto exhaust, Noise monitoring and Ambient Air Quality Monitoring of the Tamil Nadu Pollution Control Board are also to be revised on par with the fees prescribed by Central Pollution Control Board notification.

2. The revision of analytical charges as per the Gazette Notification (No.Legal/42(3)/87) of India dated 23.02.2022 for the Environmental samples was placed before the Board at its meeting held on 17.10.2022 and issued orders vide B.P. MS. No.81, dated 28.10.2022 for the revision of sampling and analytical charges for water samples in Tamil Nadu Pollution Control Board Laboratories on par with the Central Pollution Control Board, New Delhi and directed to address the Government of Tamil Nadu to issue notification in exercise of powers conferred by Section 64 of Tamil Nadu Water (Prevention & Control of Pollution) Act, 1974 (Central Act 6 of 1974) in the Gazette.

3. The Chairperson of the Tamil Nadu Pollution Control Board has, therefore, requested that necessary orders are to be issued to amend Rule 28C of the Tamil Nadu Water (Prevention and Control of Pollution) Rules 1983 to revise the analytical charges for Environmental Water samples to be on par

Handwritten note: H.Ay 2/9/24

Handwritten note: DD Lab

with those of the Central Pollution Control Board as annexed to the schedule of sampling and analysis charges for water samples.

4. The Government, after careful examination, issues amendment to Rule 28C of the Tamil Nadu Water (Prevention and Control of Pollution) Rules 1983 for revising analytical charges for Environmental Water samples on par with the Central Pollution Control Board as annexed to this order. The revised analytical charges for Environmental Water samples shall come into force from the date of issue of this order.

(BY ORDER OF THE GOVERNOR)

P.SENTHILKUMAR
PRINCIPAL SECRETARY TO GOVERNMENT



To:-

- The Chairman, Tamil Nadu Pollution Control Board, Chennai-32.
- The Member Secretary, Tamil Nadu Pollution Control Board, Chennai-32.
- The Accountant General, 361, Anna Salai, Chennai-18.
- The Finance Department, Chennai-9.
- The Works Manager, Government Central Press, Chennai-1

Copy to:-

- The Senior Personal Assistant to the Hon'ble Minister of Environment & Climate Change, Chennai -9.
- The Private Secretary to Principal Secretary to the Government Environment, Climate Change and Forest Department, Chennai-9.
- The Environment, Climate Change and Forest (EC.2, EC.3 & EC.4) Department, Chennai-9.
- Stock File/Spare Copy.

//FORWARDED BY ORDER//


SECTION OFFICER


**Annexure to G.O.(2D) No. 77, Environment, Climate Change and
Forest (EC.1) Department, Dated: 21.08.2024**

1

NOTIFICATION TO AMEND RULE 28 C OF TN WATER (P&CP) RULES, 1983.

**SCHEDULE OF SAMPLING AND ANALYSIS CHARGES FOR ENVIRONMENTAL
SAMPLES IN TAMILNADU POLLUTION CONTROL BOARD LABORATORIES**

A. SAMPLING CHARGES

(I) Sampling charges for water & wastewater samples		
S.No.	Type of sampling	Charges in Rs.
1.	GRAB SAMPLING:	
	a) Grab sampling/sample/place	1050.00
	b) For every additional Grab sampling/same place	500.00
2.	COMPOSITE SAMPLING:	
	a) -Composite sampling/source/place upto 8 hrs	2000.00
	-Composite sampling/source/place upto 16 hrs	4000.00
	-Composite sampling/source/place upto 24 hrs	5300.00
	b) -For every additional composite sampling/same place but different source upto 8 hrs.	1050.00
	-For every additional composite sampling/same place but different source upto 16 hrs.	2200.00
	-For every additional composite sampling/same place but different source upto 24 hrs.	3000.00
3.	Flow Rate measurement/source – once	850.00
	Flow Rate measurement/source – 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		
(II) Sampling charges for Soil samples		
S.No.	Type of sampling	Charges in Rs.
1.	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		
(III) Hazardous Waste Sample collection charges at the premises of Industry/Import site/Disposal site		
S.No.	Type of sampling	Charges in Rs.
1.	Integrated sample collection charges	2000.00

B. ANALYSIS CHARGES

(I)	Analysis charges of Water & Wastewater samples	
S.No.	Parameters	Charges 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	Solids (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	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	Settlable 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^{+2} & Mg^{+2}) and Anions (F^- , Br^- , Cr , NO_3^- , NO_2^- , SO_4^{-2} and PO_4^{-3}) 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 & 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 / pre-treatment Charge per Sample	1800.00
1	Aldrin	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	Methoxy Chlor	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
18	Chlorpyrifos	700.00
19	Dimethorate	700.00
20	Ethion	700.00
21	Malathion	700.00
22	Monocrotophos	700.00
23	Parathion-methyl	700.00
24	Phorate	700.00
25	Phosphamidon	700.00
26	Profenophos	700.00
27	Quinalphos	700.00
28	Anilophos	700.00
	Synthetic Pyrethroids (SPs)	
	Processing / pre-treatment charge per sample	1800.00
29	Deltamethrin	700.00
30	Fenpropethrin	700.00
31	Fenvalerate	700.00
32	α -Cypermethrin	700.00
33	β -Cyfluthrin	700.00
34	λ -Cyhalothrin	700.00
	Herbicides	
	Processing / pre-treatment Charge per sample	1800.00
35	Alachlor	700.00
36	Butachlor	700.00
37	Fluchloralin	700.00
38	Pendimethalin	700.00
39	2,4-D	700.00
40	Atrazine	700.00
	Polycyclic Aromatic Hydrocarbons (PAHs)	
	Processing / pre-treatment Charge per sample	1800.00
41	Acenaphthene	700.00
42	Acenaphthylene	700.00
43	Anthracene	700.00
44	Benz(a)anthracene	700.00
45	Benzo(a)pyrene	700.00
46	Benzo(b)fluoranthene	700.00
47	Benzo(e)pyrene	700.00
48	Benzo(g,h,i)perylene	700.00

49	Benzo(k)fluoranthene	700.00
50	Chrysene	700.00
51	Dibenzo(a,h)anthracene	700.00
52	Fluoranthene	700.00
53	Fluorene	700.00
54	Indeno (1,2,3-cd)pyrene	700.00
55	Naphthalene	700.00
56	Perylene	700.00
57	Phenanthrene	700.00
58	Pyrene	700.00
	Polychlorinated Biphenyls (PCBs) as Aroclor Mixtures	
	Processing / pre-treatment Charge per sample	1800.00
59	Aroclor 1221	700.00
60	Aroclor 1016	700.00
61	Aroclor 1232	700.00
62	Aroclor 1242	700.00
63	Aroclor 1248	700.00
64	Aroclor 1254	700.00
65	Aroclor 1260	700.00
	Polychlorinated Biphenyls (PCBs) as Enviro-Indicator	
	Processing / pre-treatment Charge per sample	1800.00
66	2,4,4'-trichlorobiphenyl (PCB-28)	700.00
67	2,2',5,5'-tetrachlorobiphenyl (PCB-52)	700.00
68	2,2',4,5,5'-pentachlorobiphenyl (PCB-101)	700.00
69	2,3',4,4',5-pentachlorobiphenyl (PCB-118)	700.00
70	2,2',3,4,4',5'-hexachlorobiphenyl (PCB-138)	700.00
71	2,2',4,4',5,5'-hexachlorobiphenyl (PCB-153)	700.00
72	2,2',3,4,4',5,5'-heptachlorobiphenyl (PCB-180)	700.00
	Tri Halo Methane (THM)	
	Processing / pre-treatment Charge per sample	1400.00
73	Bromodichloromethane	700.00
74	Bromoform	700.00
75	Chloroform	700.00
76	Dibromo chloromethane	700.00
	Phenolic Compounds	
	Processing / pre-treatment Charge per Sample	1800.00
77	Phenol	700.00
78	4-nitrophenol	700.00
79	2,4-dinitrophenol	700.00
80	2-nitrophenol	700.00
81	2-chlorophenol	700.00
82	2,4-dimethylphenol	700.00
83	2-methyl,4,6-dinitrophenol	700.00
84	4-chloro,3-methylphenol	700.00
85	2,4-dichlorophenol	700.00
86	2,4,6-trichlorophenol	700.00

87	Pentachlorophenol	700.00
	Carbamate Pesticides	
	Processing / pre-treatment Charge per Sample	1800.00
88	Carbaryl	700.00
89	Carbofuran	700.00
90	Aldicarb	700.00
91	Aldicarb Sulphone	700.00
92	Propoxur	700.00
93	Oxamyl	700.00
	Chlorobenzenes	
	Processing / pre-treatment Charge per Sample	1800.00
94	1,4-Dichlorobenzene	700.00
95	1,3-Dichlorobenzene	700.00
96	1,2,3-Trichlorobenzene	700.00
97	1,2,4-Trichlorobenzene	700.00
98	1,2,3,5-Tetrachlorobenzene	700.00
99	Pentachlorobenzene	700.00
100	Hexachlorobenzene	700.00
	Other Organic Parameter	
101	Adsorbable Organic Halogen (AOX)	3500.00
102	Tannin / Lignin	620.00
103	Oil & Grease	500.00
104	Total Phenol (by distillation)	500.00
105	Total Organic Carbon (TOC)	1000.00
106	Volatile Organic Acids	620.00
	BIOLOGICAL TEST	
1	Bacteriological Sample Collection	500.00
2	Benthos Organism Identification & 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	Faecal coliform (MFT technique)	1300.00
8	Faecal coliform (MPN technique)	1200.00
9	Faecal Streptococci (MFT technique)	1450.00
10	Faecal 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.		
(II) Analysis charges of Soil/Sludge/Sediment/Solid waste samples		
Sl.No	Parameters	Charges in Rs.
1	Ammonia	850.00
2	Bicarbonates	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 mentioned in respective group at Clause 5.0
Trace Metals using ED-XRF		
14	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 mentioned in respective group at clause 5.0
22	Polychlorinated Biphenyls (PCBs)	As mentioned in respective group at clause 5.0

23	Pesticides	As mentioned in respective group at clause 5.0
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 Kjeldhal 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
(III) Analysis charges for Hazardous Waste samples		
S.No.	Parameters	Charges in Rs.
1	Preparation of Leachate (TCLP extract / Water Extract)	2400.00
2	Determination of various parameters in Leachate	As mentioned 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	Absorbable Organic Halogen (AOX)	5000.00

(IV)	AQC Participation Fees: to be charged by TNPCC 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

P. SENTHILKUMAR
PRINCIPAL SECRETARY TO GOVERNMENT

//True Copy//

B. Anand
Section Officer
21/8/24
21/8/24

