

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL,  
PRINCIPAL BENCH, NEW DELHI  
ORIGINAL APPLICATION NO. 1119 OF 2024**

**IN THE MATTER OF:**

News Item titled "Sindh Nallah Polluted trout habitat threatened in Ganderbal" appearing in Greater Kashmir dated 19.08.2024

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**Filed By:**




Vikrant Pachnanda / Mukul Katyal  
Advocates for Central Pollution Control Board  
C – 485, LGF, Defence Colony  
New Delhi – 110 024  
E: vikrant.pachnanda@gmail.com

Date: 04.04.2025  
Place: New Delhi

**Action taken in compliance of Hon'ble NGT order dated 11.12.2024 in Original Application No. 1119/2024, News Item titled "Sindh Nallah Polluted trout habitat threatened in Ganderbal" appearing in Greater Kashmir dated 19.08.2024**

### **1.0 Background:**

The Hon'ble NGT vide order dated 30.08.2024 in the news item titled "Sindh Nallah Polluted, Trout Habitat Threatened in Ganderbal" appearing in 'Greater Kashmir' dated 19.08.2024 impleaded CPCB as a Respondent no. 1 and directed to file reply/ response by way of affidavit. The matter was related to the rampant pollution in Sindh Nallah in Ganderbal District of Kashmir.

In response to the above directions of Hon'ble NGT, the response has been filed by CPCB vide email dated 10.12.2024.

### **2.0 Directions of Hon'ble NGT order dated 11.12.2024:**

J&K PCC in its report submitted before Hon'ble NGT dated 10.12.2024 provided the reference of different Journals instead of the standard method employed for conducting the water quality analysis.

Hon'ble NGT vide subsequent order dated 11.12.2024 directed CPCB as under:

*3. The above report clearly reveals a high level of pollution in Sindh Nallah. Untreated sewage from surrounding hotels and houses along the river banks contributes to the rising pollution leading to high values of faecal coliforms. CPCB to ensure the water quality analysis report submitted at page 7 is as per the standard method.*

### **3.0 Action taken in Compliance to the directions of Hon'ble NGT:**

In compliance to the directions of Hon'ble NGT, CPCB vide letter dated 31.12.2024 and 20.01.2025 requested J&K PCC to provide details of the

reference method employed for conducting the water quality analysis of Sindh Nallah by the Directorate of Fisheries, J&K, mentioned in the report submitted by J&K PCC before Hon'ble NGT on 10.12.2024. Copy of the letters are attached as **Annexure-I**. The response received from J&K PCC vide email dated 10.02.2025 (**Annexure-II**) includes the methodology adopted by Water Lab and Bio-Lab of J&K Pollution Control Committee (Kashmir Division), however, the response doesn't provide the methodology adopted by the Directorate of Fisheries, J&K.

CPCB follows Standard Test Methods (APHA) or BIS Methods for analysis of water quality parameters. The details of the standard method followed by the Central Water Laboratory, CPCB has been communicated to J&K PCC under the intimation to the Directorate of Fisheries, J&K, informing that these methods may be adopted by the Directorate of Fisheries for carrying out for water quality analysis of rivers/ natural drains (**Annexure-III**).



**Nazimuddin**

Scientist 'F'

Central Pollution Control Board



केन्द्रीय प्रदूषण नियंत्रण बोर्ड  
CENTRAL POLLUTION CONTROL BOARD  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार.  
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE, GOVT. OF INDIA.

Speed Post /Email

F. No. A-14011/2024-WQM-I 1758

Dated: 31.12.2024

To

The Member Secretary,  
Jammu and Kashmir Pollution Control Committee  
Parivesh Bhawan, Forest Complex  
Gladni, Narwal, Transport Nagar  
Jammu - 180004 (Jammu and Kashmir)

**Sub: Compliance of Hon'ble NGT (PB) order dated 11.12.2024 in the matter of OA No. 1119/2024; News Item titled "Sindh Nallah Polluted trout habitat threatened in Ganderbal" appearing in Greater Kashmir dated 19.08.2024".**

Sir,

Enclosed please find a copy of Hon'ble NGT (PB) order dated 11.12.2024 in the matter of OA No. 1119/2024; News Item titled "Sindh Nallah Polluted trout habitat threatened in Ganderbal" appearing in Greater Kashmir dated 19.08.2024", wherein Hon'ble NGT directed as under:

*3. The above report clearly reveals a high level of pollution in Sindh Nallah. Untreated sewage from surrounding hotels and houses along the river banks contributes to the rising pollution leading to high values of faecal coliforms. CPCB to ensure the water quality analysis report submitted at page 7 is as per the standard method.*

In this regard, it is requested to provide the details of the reference/ standard method employed for conducting the water quality analysis of Sindh Nallah in the report submitted by J&K PCC before Hon'ble NGT.

Thanking you.

Yours faithfully

(Vishal Gandhi)

Scientist -E, WQM-I

Encl: As above

‘परिवेश भवन’ पूर्वी अर्जुन नगर, दिल्ली - 110032.

Parivesh Bhawan, East Arjun Nagar, Delhi - 110 032.

दूरभाष /Tel : 43102030, 22305792, वेबसाइट /Website: www.cpcb.nic.in



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केन्द्रीय प्रदूषण नियंत्रण बोर्ड 342  
CENTRAL POLLUTION CONTROL BOARD  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार.  
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE, GOVT. OF INDIA.

Speed Post /Email

F. No. A-14011/2024-WQM-I/31

Reminder I

Dated: 20.01.2025

To

The Member Secretary,  
Jammu and Kashmir Pollution Control Committee  
Parivesh Bhawan, Forest Complex  
Gladni, Narwal, Transport Nagar  
Jammu - 180004 (Jammu and Kashmir)

**Sub: Compliance of Hon'ble NGT (PB) order dated 11.12.2024 in the matter of OA No. 1119/2024; News Item titled "Sindh Nallah Polluted trout habitat threatened in Ganderbal" appearing in Greater Kashmir dated 19.08.2024".**

**Reference: CPCB letter no F. No. A-14011/2024-WQM-I dated 31.12.2024**

Sir,

Kindly refer to our earlier letter dated 31.12.2024 wherein it was requested to provide the details of the reference/ standard method employed for conducting the water quality analysis of Sindh Nallah in the report submitted by J&K PCC before Hon'ble NGT in the matter of OA No. 1119/2024; News Item titled "Sindh Nallah Polluted trout habitat threatened in Ganderbal" appearing in Greater Kashmir dated 19.08.2024".

In this context, it is once again requested to kindly provide the aforesaid information at earliest.

Thanking you

Yours faithfully

(Vishal Gandhi)

Scientist -E, WQM-I

Encl: As above

‘परिवेश भवन’ पूर्वी अर्जुन नगर, दिल्ली - 110032.

Parivesh Bhawan, East Arjun Nagar, Delhi - 110 032.

दूरभाष /Tel : 43102030, 22305792, वेबसाइट/Website: www.cpcb.nic.in

**Jammu and Kashmir  
Pollution Control  
Committee**

chairman87jkspcb@gmail.com  
membersecretaryjkspcb@gmail.com

0191 – 2472881, 2476925



Parivesh Bhavan, Forest Complex  
Transport Nagar, Jammu, 180 006  
Silk Factory Road  
Rajbagh, Srinagar, 190 008

Member Secretary,  
Central Pollution Control Board,  
Parivesh Bhawan, East Arju Nagar,  
Delhi-110032

No.: JKPC/Sc./OA-1119/2024-25/2072

Date: 10 - 02-2025

**Sub: Compliance of Hon'ble NGT (PB) order dated 11.12.2024 in the matter of OA No. 1119/2024; News Item titled "Sindh Nallah Polluted trout habitat threatened in Ganderbal" appearing in Greater Kashmir dated 19-08-2024.**

Ref: F.No. A-14011/2024-WQM-I/31/8559 dated 20-01-2025

Sir,

Please refer to the subject and reference captioned above. In this connection, I am to convey that water quality analysis data reflected in the Hon'ble NGT Order dated 11.12.2024 was indicated in the reply received from Department of Fisheries vide dated 25-11-2024 (copy enclosed) A copy of the compliance Report submitted by J&K PCC is also enclosed for reference which clearly reflects the same.

Further, fresh water Quality Analysis Report of Sind Nallah and the reference/standard methods employed for conducting the water quality analysis of Sindh Nallah is enclosed.

**Yours faithfully,**

  
(Ghansham Singh) JKAS

Member Secretary

10.2.25



Government of Jammu & Kashmir  
J&K POLLUTION CONTROL COMMITTEE  
OFFICE OF THE REGIONAL DIRECTOR - KASHMIR

Sheikh-ul-Alam Campus, Rajbagh, Near Government Silk Factory, Srinagar-190008  
www.jkspcb.in Email: regionaldirectorkmr@gmail.com, Tel/fax 0194-2311842

The Member Secretary,  
J & K Pollution Control Committee,  
Jammu.

No: PCC/RDK/LS (NGT)/2025/ 55-56

Date:- 24/1/25

Subject: - Compliance of Hon'ble NGT order dated 11-12-2024 in the matter of O.A No. 1119/2024 News Item titled, "Sindh Nallah Polluted trout habitat threatened in Ganderbal" appearing in Greater Kashmir dated 19-08-2024.

Reference: - Your letter No. JKPC/Sc./OA-1119-2024/24/1689 dated 17-01-2025.

Sir,

Apropos to the subject and reference cited above, the water quality analysis as well Faecal Coliform test report for Sindh Nallah and the details of the standard methods employed for conducting the water quality analysis of this water body as submitted by the Lab Coordinator, PCC, Srinagar are enclosed hereto for kind perusal and further course of necessary action required in the afore-titled OA please.

Encls: -

Regional Director,  
Kashmir.

Copy to:-

1. Lab Coordinator, PCC, Srinagar for information. This takes reference to the report submitted vide No. PCC/ROK/Lab-Coord/NGT-Sindh/24-25/119-120 dated 22-01-2025.

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Jammu and Kashmir  
Pollution Control Committee  
chairman87jkspcb@gmail.com  
membersecretaryjkspcb@gmail.com  
0191 - 2472881, 2476925



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ITUWTSA  
NEW DELHI 2024

Complex  
Transport Nagar, Jammu, 180  
006  
Silk Factory Road  
Rajbagh, Srinagar, 190 008

Regional Director,  
J&K Pollution Control Committee,  
Kashmir.

Reminder

No.: JKPCC/Sc./OA 1119-2024/1689

Date: 7-01-2025

Sub: Compliance of Hon'ble NGT order dated 11.12.2024 in the matter of O.A No. 1119/2024 News Item titled "Sindh Nallah Polluted trout habitat threatened in Ganderbal" appearing in Greater Kashmir dated 19.08.2024".

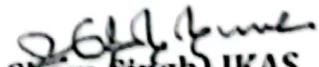
Ref: JKPCC/Sc./OA 1119-2024/24/4665; dated 10.01.2025.

Sir,

With reference to this office No. JKPCC/Sc./OA 1119-2024/24/4665; dated 10.01.2025, you are again requested to provide the details of the reference / standard method employed for conducting the water quality analysis of Sindh Nallah in the report submitted by J&KPCC before Hon'ble NGT by or before 20.01.2025.

Further, you are also requested to share updated Water Quality Analysis including Faecal Coliform for Sindh Nallah.

Yours faithfully,

  
(GhanSham Singh) JKAS  
Member Secretary 17.1.25  


J&K POLLUTION CONTROL COMMITTEE  
Rajbagh, near Government Silk Factory, Srinagar-190008

Regional Director  
J&K Pollution Control Committee,  
Kashmir Srinagar

NO:-PCC/ROK/ Lab Coord/NGT-Sindh/24-25/119-120 Dated:- 22-01-2025

Subject: - Compliance of Hon'ble NGT order dated 11-12-2024 in the matter of O.A No. 1119/2024 news item titled Sindh Nallah polluted Trout Habitat threatened in Ganderbal.

Ref:- JKPCC/Sc/OA1119-2024/1689 Dated: 17-01-2025.

Sir,

With regard to the subject and reference cited above, kindly find enclosed herewith test analysis reports of water samples collected from Sindh Nallah Sonanmarg, Ganderbal in the months of Novemeber, December 2024 and January 2025. Please also find appended herewith the detail of standard methods employed for conducting water quality analysis.

Yours Faithfully

  
Lab Coordinator  
Srinagar

Copy to:-

✓ I./c NGT JKPCC, Kashmir for favor of information and further necessary action.



**J&K Pollution Control committee**  
Office of The Regional Director – Kashmir  
Sheikh-ul-Alam Complex Rajbagh Kashmir

*Analysis Report*

**Physico Chemical Characteristics of Sindh Stream (Sonamarg) for the Month of November, 2024**

Date of Sampling :- 09-11-2024

SN	Sampling spots	Air Temp	Water Temp	pH	Conductivity	TDS	DO	COD	BOD	Phosphate	Ammonical Nitrogen	Sulphate	Hardness	Calcium	Magnesium	Total Alkalinity	Chloride	Turbidity	Nitrate Nitrogen	
1	Wayil: 3285	15.00	9.50	7.99	286.0	141.0	10.2	11.9	2.1	0.054	0.564	108.77	196.0	48.09	18.46	112.0	16.0	10.0	0.688	
2	Mammar	19.00	9.70	7.98	315.0	152.0	8.9	17.09	1.8	0.095	0.804	134.07	224.0	51.30	23.32	112.0	8.0	7.0	0.620	
3	Gangangeer	20.00	9.00	7.86	344.0	170.0	9.5	13.6	1.7	0.061	0.864	146.800	250.0	57.71	25.75	120.0	12.0	11.0	0.636	
4	Sonamarg Dis: 3284	19.00	8.50	8.00	360.0	178.0	8.6	15.3	1.0	0.045	0.840	155.28	258.0	62.52	24.78	146.0	10.0	12.0	0.512	
5	Sonamarg Us: 3283	19.00	8.30	7.88	371.0	183.0	8.2	11.9	2.2	0.078	0.780	163.77	268.0	60.92	28.18	126.0	10.0	10.0	1.128	
	Primary water quality criteria for Bathing ( class B)	-	-	6.5-8.5	-	-	>5mg/l	-	<3mg/l	-	-	-	-	-	-	-	-	-	-	-

→All Values are in mg/l except pH, turbidity & Temperature.

Samples collected by

*Nud*

Analyzed by

*Amir*  
*Amir*  
*Amir*

I/C Water lab



**J&K Pollution Control committee**  
Office of The Regional Director – Kashmir  
Shiekh-ul-Atam Complex Rajbagh Kashmir  
*Analysis Report*

**Physico Chemical Characteristics of Sindh Stream (Sonamarg) for the Month of December, 2024**  
Date of Sampling :- 05-12-2024

S/N	Sampling spots	Air Temp	Water Temp	pH	Conductivity	TDS	DO	COD	BOD	Phosphate	Ammonical Nitrogen	Sulphate	Hardness	Calcium	Magnesium	Total Alkalinity	Chloride	Turbidity	Nitrate Nitrogen
1	Wayil: 3285	10.60	4.50	8.02	325.0	162.0	13	15	1.6	0.056	0.852	111.5	206.0	55.31	16.52	116.0	12.0	5.0	0.760
2	Mammar	13.20	6.10	8.05	330.0	166.0	11.4	21	1.6	0.065	0.684	122.7	230.0	54.50	22.84	104.0	10.0	4.0	0.624
3	Gangangeer	13.20	2.60	7.93	375.0	189.0	11.8	15	1.9	0.062	0.702	149.50	260.0	61.72	25.75	104.0	8.0	4.0	0.476
4	Sonamarg D/s: 3284	6.50	3.60	7.95	409.0	198.0	12	19.6	2.0	0.058	0.648	147.71	276.0	65.73	27.21	108.0	16.0	4.0	0.432
5	Sonamarg U/s: 3283	6.20	3.70	7.94	423.00	210.0	10.6	10.5	1.0	0.098	0.678	179.52	290.0	62.53	6.70	106.0	12.0	3.0	0.788
	Primary water quality criteria for Bathing ( class B)	-	-	6.5-8.5	-	-	>5mg/l	-	<3mg/l	-	-	-	-	-	-	-	-	-	-

→All Values are in mg/l except pH, turbidity & Temperature.

Samples collected by

*Nam S*

Analyzed by

*[Signature]*  
*[Signature]*  
*[Signature]*

*[Signature]*  
I/C Water lab



**J&K Pollution Control committee**  
Office of The Regional Director – Kashmir  
Sheikh-ul-Atam Complex Rajbagh Kashmir  
Analysis Report

**Physico Chemical Characteristics of Sindh Stream (Sonamarg) for the Month of January, 2025**  
Date of Sampling :- 16-01-2025

S/N	Sampling spots	Air Temp	Water Temp	pH	Conductivity	TDS	D O	COD	BOD	Phosphate	Ammonical Nitrogen	Sulphate	Hardness	Calcium	Magnesium	Total Alkalinity	Chloride	Turbidity	Nitrate Nitrogen	Fecal Coliform (CFU/100ml)
1	Wayil: 3285	5.80	3.10	7.93	314.0	159.0	10	24	1.9	0.041	0.618	82.56	190.0	50.50	15.55	116.0	8.0	4.0	0.904	700.0
2	Mammar	5.60	2.80	8.01	359.0	179.0	10.2	21	2.0	0.053	0.798	127.41	230.0	57.71	20.89	118.0	8.0	6.0	1.188	300.0
3	Gangangeer	5.00	2.70	7.99	351.0	177.0	11	19.7	1.7	0.040	0.792	125.89	214.0	61.72	14.58	106.0	10.0	14.0	1.196	500.0
4	Sonamarg D/s: 3284	5.20	2.50	7.92	360.0	180.0	11.2	18	1.5	0.064	0.692	145.5	252.0	64.12	22.35	112.0	8.0	8.0	1.060	300.0
5	Sonamarg U/s: 3283	5.10	2.40	7.90	369.0	185.0	11.4	15	1.3	0.072	0.698	147.90	260.0	72.14	19.44	110.0	10.0	6.0	1.032	100.0
	Primary water quality criteria for Bathing ( class B)	-	-	6.5-8.5	-	-	>5mg/l	-	<3mg/l	-	-	-	-	-	-	-	-	-	-	500

→All Values are in mg/l except pH, turbidity & Temperature.  
Note: Fecal coliform analysis done by microbiology lab

Samples collected by

*[Signature]*

Analyzed by

*[Signature]*

*[Signature]*  
I/C Water lab

**Methodology Adopted for Analysis of Parameters in Water Laboratory and Bio Lab of  
Pollution Control Committee (Kashmir Division)**

S. No	Parameter	Methodology used
1.	pH	Electrometric method
2.	Conductivity	Instrumental method (Conductivity meter)
3.	Total Dissolved Solids	Instrumental method ( TDS Meter)
4.	Turbidity	Nephelometric method
5.	Total Alkalinity	Titration
6.	Hardness	EDTA Titrimetric method
7.	Calcium	EDTA Titrimetric method
8.	Chloride	Argentometric method
9.	Magnesium	Calculation – after analyzing Hardness and Calcium
10.	Potassium	Flame Emission photometric Method.
11.	Phosphates	Stannous Chloride Method
12.	Sodium	Flame Emission photometric method
13.	Ammonical Nitrogen	Nesslerisation method
14.	Nitrate Nitrogen	UV Spectrophotometric Screening Method
15.	Sulphate	Turbidimetric Method
16.	Dissolved Oxygen	Winklers Method (Azide modified method)
17.	Biochemical Oxygen Demand	3days at 27°C
18.	Chemical Oxygen Demand	Open Reflux Method
19.	Feecal Coliform	Membrane Filter Method



Government of Jammu & Kashmir  
J&K POLLUTION CONTROL COMMITTEE  
OFFICE OF THE REGIONAL DIRECTOR - KASHMIR

Sheikh-ul-Alam Campus, Rajbagh, Near Government Silk Factory, Srinagar-190008  
www.jkspcb.in Email: regionaldirector@jkspcb.in Tel/fax 0194-2311842

The Member Secretary,  
J & K Pollution Control Committee,  
Jammu.

No: PCC/RDK/LS (NGT)/2025/ 55-56

Date:- 24/1/25

Subject: - Compliance of Hon'ble NGT order dated 11-12-2024 in the matter of O.A No. 1119/2024 News Item titled, "Sindh Nallah Polluted trout habitat threatened in Ganderbal" appearing in Greater Kashmir dated 19-08-2024.

Reference: - Your letter No. JKPC/Sc./OA-1119-2024/24/1689 dated 17-01-2025.

Sir,

Apropos to the subject and reference cited above, the water quality analysis as well Faecal Coliform test report for Sindh Nallah and the details of the standard methods employed for conducting the water quality analysis of this water body as submitted by the Lab Coordinator, PCC, Srinagar are enclosed hereto for kind perusal and further course of necessary action required in the afore-titled OA please.

Encls: -

 Regional Director,  
Kashmir.

Copy to:-

1. Lab Coordinator, PCC, Srinagar for information. This takes reference to the report submitted vide No. PCC/ROK/Lab-Coord/NGT-Sindh/24-25/119-120 dated 22-01-2025.



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Speed Post /Email

## Annexure-III

F. No. A-14011/2024-WQM-I/75

Dated: 02.04.2025

To

The Member Secretary,  
Jammu and Kashmir Pollution Control Committee  
Parivesh Bhawan, Forest Complex  
Gladni, Narwal, Transport Nagar  
Jammu - 180004 (Jammu and Kashmir)

**Sub: Compliance of Hon'ble NGT (PB) order dated 11.12.2024 in the matter of OA No. 1119/2024; News Item titled "Sindh Nallah Polluted trout habitat threatened in Ganderbal" appearing in Greater Kashmir dated 19.08.2024".**

Sir,

Enclosed please find a copy of Hon'ble NGT (PB) order dated 11.12.2024 in the matter of OA No. 1119/2024; News Item titled "Sindh Nallah Polluted trout habitat threatened in Ganderbal" appearing in Greater Kashmir dated 19.08.2024", wherein Hon'ble NGT directed as under:

*3. The above report clearly reveals a high level of pollution in Sindh Nallah. Untreated sewage from surrounding hotels and houses along the river banks contributes to the rising pollution leading to high values of faecal coliforms. CPCB to ensure the water quality analysis report submitted at page 7 is as per the standard method.*

In this regard, Standard Test Methods (APHA) or BIS Methods for analysis of the water quality parameters followed by CPCB are attached herewith for your kind reference. These methods may be adopted by Department of Fisheries, Kashmir for the water quality analysis of rivers/natural drains.

J&K PCC has informed about these test methods already being followed except for TDS parameter for which gravimetric method may be adopted.

Thanking you.

Yours faithfully

(Nazimuddin)

Divisional Head, WQM-I

Encl: As above

‘परिवेश भवन’ पूर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, New Delhi - 110032

दूरभाष/Tel: 43102030, 22305792, वेबसाइट/Website : www.cpcb.nic.in

## Water parameters in NABL scope in Central Water Laboratory

S.No	Discipline / Group	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1.	CHEMICAL-POLLUTION & ENVIRONMENT	Chromium as Cr+6	APHA 3500 – Cr B, 24th Ed.
2.	CHEMICAL-POLLUTION & ENVIRONMENT	Ammonical Nitrogen (NH <sub>3</sub> -N)	APHA 4500 NH <sub>3</sub> -N – B&C, 24th Ed.
3.	CHEMICAL-POLLUTION & ENVIRONMENT	Bio – Chemical Oxygen Demand	APHA 5210 B, 24th Ed., 4500 OC, (5 days at 20°C). IS-3025 part 44:1993 BOD (3 days at 27°C).
4.	CHEMICAL-POLLUTION & ENVIRONMENT	Biochemical Oxygen Demand	IS-3025 part 44:1993 BOD (3 days at 27°C).
5.	CHEMICAL-POLLUTION & ENVIRONMENT	Chemical Oxygen Demand	APHA 5220 B, 24th Ed.
6.	CHEMICAL-POLLUTION & ENVIRONMENT	Chloride	APHA 4500 – Cl B, 24th Ed.
7.	CHEMICAL-POLLUTION & ENVIRONMENT	Conductivity	APHA 2510 – B, 24th Ed.
8.	CHEMICAL-POLLUTION & ENVIRONMENT	Oil & Grease	APHA 5520 B, 24th Ed.
9.	CHEMICAL-POLLUTION & ENVIRONMENT	pH	APHA 4500 H+ - B, 24th Ed.
10.	CHEMICAL-POLLUTION & ENVIRONMENT	Phosphate – P	APHA 4500 – PD, 24th Ed. .
11.	CHEMICAL-POLLUTION & ENVIRONMENT	Total Dissolved Solids	APHA 2540 C, 24th Ed.
12.	CHEMICAL-POLLUTION & ENVIRONMENT	Total Solids	APHA 2540 B, 24th Ed.

13.	CHEMICAL- POLLUTION & ENVIRONMENT	Total Suspended Solids	APHA 2540 D, 24th Ed.
14.	CHEMICAL- POLLUTION & ENVIRONMENT	Flouride	APHA 4500 – F D, 24th Ed.
15.	CHEMICAL- POLLUTION & ENVIRONMENT	NO <sub>3</sub> -N Nitrogen (Nitrate)	APHA 4500-NO <sub>3</sub> - D. 24th Ed.
16.	CHEMICAL- POLLUTION & ENVIRONMENT	Potassium- K	APHA 3500 K - B, 24th Ed.
17.	CHEMICAL- POLLUTION & ENVIRONMENT	Sodium- Na	APHA 3500 Na - B, 24th Ed.

Item No. 17

Court No. 1

**BEFORE THE NATIONAL GREEN TRIBUNAL  
PRINCIPAL BENCH, NEW DELHI**

Original Application No. 1119/2024

News Item titled "Sindh Nallah Polluted trout habitat threatened in Ganderbal" appearing in Greater Kashmir dated 19.08.2024

Date of hearing: 11.12.2024

**CORAM: HON'BLE MR. JUSTICE PRAKASH SHRIVASTAVA, CHAIRPERSON  
HON'BLE MR. JUSTICE SUDHIR AGARWAL, JUDICIAL MEMBER  
HON'BLE DR. A. SENTHIL VEL, EXPERT MEMBER**

Respondent: Mr. Ghansham Singh, Member Secretary, J&K PCC (Through VC)  
Mr. Vikrant Pachnanda & Mr. Mukul Katyal, Advs. for CPCB

**ORDER**

1. In this original application, registered *suo moto*, the Tribunal is examining the issue of pollution in Sindh Nallah in Ganderbal, District of Kashmir.

2. In terms of the previous direction, a report dated 10.12.2024 has been filed by the J&KPCC disclosing as under:

“xxx .....xxx.....xxx.....xxx

a) *Water quality parameters of the Sindh nallah from Wayil to Sonamarg were found to exceed the maximum tolerable value for the trout fish as indicated below:*

S. No	Water Parameter	Unit	Tolerance Limit	Reference	APC 01	APC 02	APC 03	
1	Total Hardness (As CaCO <sub>3</sub> )	mg/l	80-100	Anadu et al.,1989	133	141	NA	137
2	Coliform (Organism)	MPN	200 -	Anadu et al.,2019	350	500	NA	425
3	Dissolved Oxygen	mg/l	8.0-9.0	Thurston et al.,1981	6.9	NA	NA	6.9
4	Biological Oxygen demand (BOD)	mg/l	4-5 ppm	Elsa et al.,2020	11	09	02	11
5	Chemical Oxygen Demand (COD)	mg/l	18-20 ppm	Elsa et al.,2020	24.3	21.4	NA	22.85

6	Iron as Fe	mg/l	0.00-0.05	Sayer et al.,1991	0.08	0.08	0.14	0.11
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- b) Besides, the chemical Parameters optimum habitat for the fishes is ascertained by the catch per unit effort (CPUE), which has considerably marginalized for the rainbow trout.
- c) Further, there are no traces of the movement of the fishes at Gagangeer region due to excess pollution.
- d) Un-treated Sewage from surrounding hotels and houses along the river banks contribute to the rising pollution leading to high values of fecal coliforms.
4. Regional Director, J&KPCC, Kashmir submitted its reply his reply vide No. PCC/RDK/LS/(NGT)/2024/241-43; dated 28.11.2024 **(copy enclosed as Annexure-IV).**

Highlights of the report are briefed as under:

- a) Solid waste / Plastic waste has been found littered and dumped in open at various spot on the bank of Sindh nallah from Wayil to Sonamarg.
- b) Solid Waste Management shed has been established at surfaw-gund, but not been used for storage of solid waste.
- c) Legal notices have been issued to Block Development Officers of Gund & Kangan Bloccks of district Ganderbal vide No. JKPC/ROK/LS/M SW/2024/672-74; dated 14.10.2024 by Regional Office, Kashmir **(copy enclosed as Annexure-V).**
- d) Water analysis report shows that water quality of all spots of the Sindh nallah from Wayil to Sonamarg qualifies class-B water quality criteria except for few locations, which do not meet class-B criteria for Microbiological parameters.”

3. The above report clearly reveals a high level of pollution in Sindh Nallah. Untreated sewage from surrounding hotels and houses along the river banks contributes to the rising pollution leading to high values of faecal coliforms. CPCB to ensure the water quality analysis report submitted at page 7 is as per the standard method.

4. In spite of service of notice, Respondents No. 4 and 5 are neither represented nor reply has been filed on their behalf. Hence, we direct Respondent No. 4, Deputy Commissioner, Ganderbal and Respondent No. 5, Commissioner, Fisheries Department, Union Territory of J&K to appear virtually on the next date of hearing.

5. Learned Counsel for the CPCB submits that though the reply was filed yesterday, it has been filed belatedly, therefore, it has not come on record. The office is directed to place it on record.

6. List on 08.04.2025.

Prakash Shrivastava, CP

Sudhir Agarwal, JM

Dr. A. Senthil Vel, EM

December 11, 2024  
Original Application No. 1119/2024  
dv..



केन्द्रीय प्रदूषण नियंत्रण बोर्ड  
CENTRAL POLLUTION CONTROL BOARD  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार  
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE, GOVT. OF INDIA

Speed Post /Email

F. No. A-14011/2024-WQM-I / 75

Dated: 02.04.2025

To

The Member Secretary,  
Jammu and Kashmir Pollution Control Committee  
Parivesh Bhawan, Forest Complex  
Gladni, Narwal, Transport Nagar  
Jammu - 180004 (Jammu and Kashmir)

**Sub: Compliance of Hon'ble NGT (PB) order dated 11.12.2024 in the matter of OA No. 1119/2024; News Item titled "Sindh Nallah Polluted trout habitat threatened in Ganderbal" appearing in Greater Kashmir dated 19.08.2024".**

Sir,

Enclosed please find a copy of Hon'ble NGT (PB) order dated 11.12.2024 in the matter of OA No. 1119/2024; News Item titled "Sindh Nallah Polluted trout habitat threatened in Ganderbal" appearing in Greater Kashmir dated 19.08.2024", wherein Hon'ble NGT directed as under:

3. The above report clearly reveals a high level of pollution in Sindh Nallah. Untreated sewage from surrounding hotels and houses along the river banks contributes to the rising pollution leading to high values of faecal coliforms. CPCB to ensure the water quality analysis report submitted at page 7 is as per the standard method.

In this regard, Standard Test Methods (APHA) or BIS Methods for analysis of the water quality parameters followed by CPCB are attached herewith for your kind reference. These methods may be adopted by Department of Fisheries, Kashmir for the water quality analysis of rivers/ natural drains.

J&K PCC has informed about these test methods already being followed except for TDS parameter for which gravimetric method may be adopted.

Thanking you.

Yours faithfully

(Nazimuddin)  
Divisional Head, WQM-I

Encl: As above

Copy to:

1. The Director,  
Directorate of Fisheries,  
J and K Government  
Tourist Reception Centre (TRC), Srinagar -190001  
Union Territory of Jammu & Kashmir  
[jkfdkmr@gmail.com](mailto:jkfdkmr@gmail.com)

: For kind information and  
necessary action, please

(Nazimuddin)

‘परिवेश भवन’ पूर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, New Delhi - 110032

दूरभाष/Tel: 43102030, 22305792, वेबसाइट/Website : [www.cpcb.nic.in](http://www.cpcb.nic.in)

## Water parameters in NABL scope in Central Water Laboratory

S.No	Discipline / Group	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1.	CHEMICAL-POLLUTION & ENVIRONMENT	Chromium as Cr+6	APHA 3500 – Cr B, 24th Ed.
2.	CHEMICAL-POLLUTION & ENVIRONMENT	Ammonical Nitrogen (NH <sub>3</sub> -N)	APHA 4500 NH <sub>3</sub> -N – B&C, 24th Ed.
3.	CHEMICAL-POLLUTION & ENVIRONMENT	Bio – Chemical Oxygen Demand	APHA 5210 B, 24th Ed., 4500 OC, (5 days at 20°C). IS-3025 part 44:1993 BOD (3 days at 27°C).
4.	CHEMICAL-POLLUTION & ENVIRONMENT	Biochemical Oxygen Demand	IS-3025 part 44:1993 BOD (3 days at 27°C).
5.	CHEMICAL-POLLUTION & ENVIRONMENT	Chemical Oxygen Demand	APHA 5220 B, 24th Ed.
6.	CHEMICAL-POLLUTION & ENVIRONMENT	Chloride	APHA 4500 – Cl B, 24th Ed.
7.	CHEMICAL-POLLUTION & ENVIRONMENT	Conductivity	APHA 2510 – B, 24th Ed.
8.	CHEMICAL-POLLUTION & ENVIRONMENT	Oil & Grease	APHA 5520 B, 24th Ed.
9.	CHEMICAL-POLLUTION & ENVIRONMENT	pH	APHA 4500 H <sup>+</sup> - B, 24th Ed.
10.	CHEMICAL-POLLUTION & ENVIRONMENT	Phosphate – P	APHA 4500 – PD, 24th Ed. .
11.	CHEMICAL-POLLUTION & ENVIRONMENT	Total Dissolved Solids	APHA 2540 C, 24th Ed.
12.	CHEMICAL-POLLUTION & ENVIRONMENT	Total Solids	APHA 2540 B, 24th Ed.

13.	CHEMICAL- POLLUTION & ENVIRONMENT	Total Suspended Solids	APHA 2540 D, 24th Ed.
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