

**794**  
**Jammu and Kashmir Pollution Control Committee**

Parivesh Bhavan, Forest Complex || Silk Factory Road  
Transport Nagar, Jammu, 180 006 || Rajbagh, Srinagar, 190 008  
Tel - 0191-2476927; mail - membersecretaryjkpcb@gmail.com

**The Consultant Judicial,  
Hon'ble National Green Tribunal,  
Principal Bench,  
New Delhi.**

No: JKPC/NGT/OA 606/ 1520-21

Date:- 09 -12-2024

**Sub:- Report on behalf of Jammu and Kashmir Pollution Control Committee pursuant to Hon'ble National Green Tribunal order dated 18-09-2024 passed in OA No. 606 of 2018 titled "Compliance of Municipal Solid Waste Management Rules, 2016 and other environmental issues".**


Sir,

In compliance to the directions of Hon'ble National Green Tribunal, Principal Bench, New Delhi order dated 18-09-2024 passed in OA No. 606 of 2018 titled "Compliance of Municipal Solid Waste Management Rules, 2016 and other environmental issues", the Report of the J&K Pollution Control Committee is submitted herewith.

It is therefore, requested that the Report may kindly be taken on record and placed before the Hon'ble NGT for consideration.

Yours faithfully,

**Encl:- As Above**

  
(Ghansham Singh) JKAS  
Member Secretary 9.12.24  
J&K PCC

Copy to the:-

- 1) Sh. G.M Kawoosa, Government Standing Counsel for UT of Jammu and Kashmir, New Delhi for information and necessary action.

**Before the Hon'ble National Green Tribunal  
Principal Bench, New Delhi**

Original Application No. 606 of 2018

**IN THE MATTER OF**

**“Compliance of Municipal Solid  
Waste Management Rules, 2016 and  
other environmental issues”**

**Report on behalf of Jammu and Kashmir Pollution Control Committee  
pursuant to Hon'ble National Green Tribunal Order dated 18.09.2024  
passed in OA No. 606 of 2018 titled “Compliance of Municipal Solid  
Waste Management Rules, 2016 and other environmental issues”**

**Background:**

That the Hon'ble National Green Tribunal vide Order dated **18-09-2024** in **OA No. 606 of 2018** directed as follows:-

*“In view of the above observations and finding the deficiencies and the gaps in liquid and solid waste management, following directions are issued:*

- i. Chief Secretary, UT of J&K shall appear on the next date of hearing by virtual mode with complete status report.*
- ii. Status with respect to each city and towns (278 ULBs) should be provided on solid and liquid waste management.*

*ghe*

- iii. ***J&KPCC shall provide performance data of all the operating STPs in the UT of J&K including the values of Fecal Coliform and its compliance with the directions of Tribunal dated 30.04.2019 in OA No. 1069/2018.***
- iv. ***Timelines with budgetary locations for bridging the gap in solid and liquid waste management for each ULB should be given”.***

**Status Report:**

The Hon'ble NGT vide its order dated 30-04-2019 in OA No. 1069/2018, while prescribing standards for effluent discharge of STPs directed that standards recommended for Mega and Metropolitan Cities will also apply to the rest of the country not only for new STPs but also for existing / under construction STPs without any delay.

The relevant extract of the Hon'ble NGT order dated 30-04-2019 in OA No. 1069/2018 is as under:-

**“Accordingly, we accept the report of the Expert Committee with the modification that the standards recommended for mega and Metropolitan Cities will also apply to rest of the country. We also direct that the standards will apply not only for new STPs but also for existing / under construction STPs without any delay and giving of seven years time stands disapproved”.**

*26/4/19*

In compliance to the aforesaid directions of Hon'ble NGT dated **18-09-2024** in **OA No. 606 of 2018** passed by the Hon'ble National Green Tribunal, the report of the J&K Pollution Control Committee is as follows:

1. The Commissioner Jammu Municipal Corporation / Srinagar Municipal Corporation, Director Urban Local Bodies Jammu / Kashmir and Chief Engineer UEED were asked to share the requisite information to the J&K Pollution Control Committee as per the prescribed format of Hon'ble NGT in its directions dated 18-09-2024 vide this office No. JKPCC/Sc./OA-606/2018/1095-97; dated 27-09-2024 **(Copy enclosed as Annexure 1)**.
2. Regional Director, Pollution Control Committee, Jammu/Kashmir were asked to have the samples of the treated water analysed by the Water Laboratories of J&K PCC for Physico-chemical parameters and Fecal Coliform of all the STPs operating in their respective jurisdiction and share test reports, vide this office No. JKPCC/Sc./OA-6-6/2018/1043-44; dated 24-09-2024 **(Copy enclosed as Annexure 2)**.
3. The Regional Director, J&K PCC, Jammu and Regional Director, J&K PCC, Kashmir have furnished performance data of all the operating STPs in the Union Territory of Jammu and Kashmir including Fecal Coliform and Physico-chemical parameters. The status and results of sample testing of 24 STPs in the UT of Jammu and Kashmir are enclosed herewith as **(Copy enclosed as Annexure 3)**.




- a) Out of 20 regularly operational STPs, 10 STPs are qualifying to the permissible standard of Fecal Coliform.
- b) 6 STPs are qualifying the standards of Physico chemical parameters.

Similarly, the Urban Environment Engineering Department (UEED) J&K Govt. has also got samples of treated water of the 5 STPS of Kashmir Division analysed from the Laboratory of National Institute of Technology, (NIT) Srinagar and 4 STPs of Jammu Division from the Laboratory of Indian Institute of Technology, Jammu. The test reports are enclosed herewith **(Copy enclosed as Annexure 4)**.

The J&K Lakes and Conservation Management Authority has also got the samples of treated water of 6 STPs of Kashmir Division from its own Laboratory. The analysis reports are enclosed herewith as **Annexure 5**.

**Prayer:**

In the premises, it is therefore, respectfully prayed that the report may kindly be taken on record before the Hon'ble National Green Tribunal for consideration.

  
(Ghansham Singh) 9.12.24  
Member Secretary  
J&K PCC

**Jammu and Kashmir  
Pollution Control Committee**

chairman87jkspcb@gmail.com  
membersecretaryjkspcb@gmail.com

0191 - 2472881, 2476925



*Annexure - 1*

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

NGT Matter

- 1) The Commissioner,  
Municipal Corporation,  
Jammu / Srinagar.
- 2) Director,  
Urban Local Bodies,  
Jammu / Kashmir.
- 3) Chief Engineer,  
UEED, J&K  
Kashmir.

No.: JKPCC/Sc./OA-606/2018/1095-97

Date: 27-09-2024

**Sub: OA No. 606/2018 Compliance of Municipal Solid Waste Management Rules,  
2016 & other environmental issues.**

Madam/Sir,

Please refer to the subject cited above. In this connection, I am to convey that Hon'ble NGT vide its order dated 18.09.2024 in OA No. 606/2018, in the matter of compliance of Municipal Solid Waste Management Rules, 2016 & other environmental issues, issued following directions:-

**In view of the above observations and finding the deficiencies and the gaps in liquid and solid waste management, following directions are issued:**

- i) Status with respect to each city and towns (78 ULBs) should be provided on solid and liquid waste management.*
- ii) J&KPCC shall provide performance data of all the operating STPs in the UT of J&K including the values of Fecal Coliform and its compliance with the directions of Tribunal dated 30.09.2019 in OA No. 1069/2018.*
- iii) Timelines with budgetary locations for bridging the gap in solid and liquid waste management for each ULB should be given.*

*25/9/24*

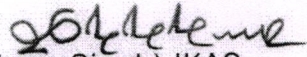
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The Chief Engineer, UEED shall furnish performance data of all the operating STPs in the UT of J&K including the values of Fecal Coliform and its compliance to the directions of the Hon'ble NGT dated 30-09-2019 in OA No. 1069/2018.

Since, the compliance report in the matter has to be filed by worthy Chief Secretary, J&K before the Hon'ble NGT a week before next date of hearing i.e 16.10.2024 and therefore, all the concerned officers are requested to share the complete information w.r.t Solid Waste Management and liquid waste management on the prescribed format (**enclosed as Annexure -I**) of their respective jurisdiction by or before 05-10-2024, positively so that required information could be consolidated and submitted well in time.

Yours faithfully,

Encl: As above.

  
(Ghansham Singh) JKAS  
Member Secretary 27.9.24  
J&K PCC

1. Financial Commissioner (Additional Chief Secretary) Department of Forest, Ecology and Environment, Civil Secretariat, Jammu/ Srinagar for favour of kind information.
2. Commissioner/Secretary to Government Housing and Urban Development Department, Civil Secretariat, Jammu/ Srinagar for favour of kind information.

**Jammu and Kashmir  
Pollution Control Committee**

chairman87jkpcb@gmail.com  
membersecretaryjkpcb@gmail.com

0191 - 2472881, 2476925



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

NGT Matter

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

**No.:** JKPC/Sc./OA-606/2018/1043-44

**Date:** 24 09-2024

**Sub:** O.A 606/2018 titled "Compliance of Municipal Solid Waste Management Rules, 2016 and other environmental issues".

**Ref:** Hon'ble NGT order dated 18.09.2024.

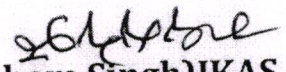
Madam/Sir,

Please refer to the subject & reference referred above. In this connection, I am to convey that Hon'ble NGT have interalia issued directions as under in its order dated 18.09.2024.

*"J&KPCC shall provide performance data of all the operating STPs in the UT of J&K including the values of Fecal Coliform and its compliance with the directions of Tribunal dated 30.09.2019 in OA No. 1069/2018."*

As such, you are requested to share with this office updated status report w.r.t performance of all operating STPs including values of Fecal Coliform and its compliance with the directions of Tribunal dated 30.04.2019 in OA No. 1069 /2018 (copy enclosed) by or before **30.09.2024**.

Yours Sincerely,

  
(Ghansham Singh)JKAS  
Member Secretary 24.9.24

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## STP wise performance data of Sewage Treatment Plants in the UT of Jammu and Kashmir

S. No.	Name of the STP with location	District	STP installed capacity (MLD)	Actual utilization	Sampling date	Final (MPN / 100ml) (Treated)	Compliance status as per the Hon'ble NGT order dated 30-4-2019	
							Whether qualifying Fecal Coliform count	Whether qualifying Physico-chemical parameters
1)	Bhagwati Nagar	Jammu	30	20	28-10-2024	130	Yes	Yes
2)	Bhagwati Nagar	Jammu	27	0.00	(Non-operational)		-	-
3)	Bhagwati Nagar	Jammu	10	Nil	(Non-operational)		-	-
4)	Belicharana	Jammu	4.00	1.50	Commissioned in April 2024. Still running on trial basis.		-	-
5)	Jagti Nagrota	Jammu	4.0	1.20	28-10-2024	110	Yes	Yes, except TSS
6)	Baryal, Udhampur	Udhampur	8.0	3.00	04-11-2024	170	Yes	Yes
7)	Omara, Udhampur	Udhampur	4.0	1.50	04-11-2024	130	Yes	No
8)	Pitan Udhampur	Udhampur	1.6	0.80	04-11-2024	120	Yes	No
9)	Patnitop	Udhampur	1.2	0.70	04-11-2024	148	Yes	No
10)	Mata Vaishno Devi Bhawan	Reasi	3.2	1.60	04-11-2024	350	No	No
11)	Mata Vaishno Devi Adhkware	Reasi	0.4	0.20	04-11-2024	172	Yes	No
12)	Niharika Bhawan Katra	Reasi	0.4		04-11-2024	170	Yes	No
13)	Trikuta Bhawan Katra	Reasi	0.25		04-11-2024	110	Yes	Yes

26/11/24

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14)	Hazartbal	Srinagar	7.5	4.7	04-11-2024	>1600	No	No
15)	Habak	Srinagar	3.2	3.2	04-11-2024	1600	No	No
16)	Nishat Laam	Srinagar	4.5	4.5	04-11-2024	1600	No	No
17)	Brarinambal (new)	Srinagar	16.1	13.0	04-11-2024	900	No	No
18)	Brarinambal (Old)	Srinagar	17.1	Running in over designed capacity	04-11-2024	>1600	No	No
19)	Nallah Amir Khan	Srinagar	5.4	4.0	04-11-2024	70	Yes	No
20)	Rajbagh	Srinagar	2.21	0.5	04-11-2024	>1600	No	No
21)	Alochi Bagh	Srinagar	6.0	1.5	04-11-2024	1600	No	Yes
22)	Mehandhi Kadal,	Srinagar	4.0	1.5	06-11-2024	>1600	No	Partially qualifying
23)	Pahalgam	Anantnag	2.0	1.0	06-11-2024	52000 CFU/100ml	No	Yes
24)	Nunwan, Pahalgam	Anantnag	0.3	0.3	Operational only during Shri Amarnath Ji Yatra		No	No

25/1/24

## MONITORING OF SEWAGE TREATMENT PLANTS IN JAMMU W.R.T FECAL COUNT

S. No	Date of sampling	Location of Sample	Fecal Coliform				Standards (Applicable for all mode of disposal) As per NGT
			CFU/100 ml (JKPCC Lab)		MPN/100 ml * (NITYA LABS)		
			INLET	OUTLET	INLET	OUTLET	
1	28-10-2024	30 MLD STP at Bhagwati Nagar, Jammu	1,10,000	200	900	130	Desirable - 100 Permissible - 230
2	28-10-2024	4.0 MLD STP at Jagti, Nagrota, Jammu	TNTC	100	1600	110	
3	04-11-2024	8.0 MLD STP at Udhampur	50,000	300	1600	170	
4	04-11-2024	4.0 MLD STP at Udhampur	50,000	100	1600	130	
5	04-11-2024	1.6 MLD STP at Udhampur	TNTC	200	>1600	120	
6	04-11-2024	1.2 MLD STP at Patnitop, Udhampur	50,000	100	1600	148	
7	04-11-2024	3.2 MLD STP at Mata Vaishno Devi Bhawan	40,000	200	1600	350	
8	04-11-2024	0.4 MLD STP at Adhkwari	40,000	700	>1600	172	
9	04-11-2024	0.4 MLD STP at Niharika, Katra	70,000	200	1600	170	
10	04-11-2024	0.25 MLD STP at Trikuta, Katra	40,000	200	>1600	110	

\* : Fecal Count in MPN/100 ml was done by Nitya Labs, Jammu

TNTC : Too Numerous To Count

## Comparative LAB Result for Fecal coliform

S.no	Name of STP	PCC Result in CFU	Nitya lab Jammu In MPN	Permissible limi as per NGT	Permissible as per MOEF notificatin
1	Nishat Lam	2000	1600	100 DESIRABLE Permissible e 230	Less than 1000
2	Habak	400000	1600		
3	Hazratbal	30000	More than1600		
4	Nallah Amir Khan	264	70		
5	Barinambal LCMA (new)	6	900		
✓ 6	Barinambal UEED (old)	81000	More than1600		
✓ 7	Rajbagh	120000	More than1600		
✓ 8	Allochbagh	4000	1600		
✓ 9	Mehandi Kadal	900	More than1600		

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# Jammu and Kashmir Pollution Control Committee

Shiekh-ul-Alam Campus Rajbagh, Near Government Silk Factory, Srinagar-190008

NO:PCC/ROK/BIO-LAB/AR/STPs/24-25/62

Dated: 09/11/24

## Faecal Coliform Analysis for STP

S.no	Location	Date of sampling	Final CFU/100ml	Permissible limits as per Hon'ble NGT	Sewage Treatment Final Effluent (As Notified by MOEF&CC) 13/10/2017
1	Nishat LAM Srinagar	04-11-2024	2000	100 Desirable & Permissible 230	Less than 1000
2	Habbak Srinagar	04-11-2024	400000 (Four Lakh)		
3	Hazratbal Srinagar	04-11-2024	30000 (Thirty Thousand)		
4	Nallah Amir Khan Srinagar	04-11-2024	264		
5	Barinambal (New) Srinagar	04-11-2024	6		
6	Barinambal (old) Srinagar	04-11-2024	81000 (Eighty One Thousand)		
7	Rajbagh Srinagar	04-11-2024	120000 (One Lakh Twenty Thousand)		
8	Allouhibagh Srinagar	04-11-2024	4000		
9	Mehadi kadal Anantnag	06-11-2024	900		
10	Pahalgam Anantnag	06-11-2024	52000 (Fifty Two Thousand)		

The results are confined to the collected samples only.

Samples collected by: 1. Mohd Suhail

Samples Analysed by:

Ms Shaista (JRF)

Mr Shabir Ahmed (R.A)

2. Mr Shabir Ahmad (R.A)

Gazzala Hassan (Scientist B)

8/11/24



J&K Pollution Control Committee  
Rajbagh, Srinagar Kashmir

Report No:-PCC/ROK/W.Lab/AR/24-25/28

Date:- 12/11/2024

Performance report of Various STPs around DAL and Nigeen Lake Operated by LCMA

Analysis Report

S.no		STP NISHAT LAAM(4.5 MLD)		STP HABAK (3.5 MLD)		STP HAZRATBAL (7.5 MLD)		Norms as per Hon,ble NGT Order 30/04/20219	SEWAGE TREATMENT FINAL EFFLUENT STANDARDS (AS NOTIFIED BY MOEF& CC)13/10/2017
		RAW	FINAL	RAW	FINAL	RAW	FINAL		
	Date of Sampling	04-11-2024		04-11-2024		04-11-2024			
1	Air Temperature	20.50		20.2		20.8		-	
2	Water Temperature	17.3	17.5	17	17.1	17.1	17.3	-	
3	pH	7.12	7.25	7.16	7.11	7.11	7.21	5.5 to 9.0	6.5 to 9.0
4	Dissolved Oxygen	-	5.6	-	3.1	-	3.7	-	-
5	Chemical Oxygen Demand	445.90	88.00	404.7	119.0	412.67	95.2	50.0	-
6	*Biochemical Oxygen Demand for 3days at 27°C*	134.8	16.8	100.8	20.80	124.8	21.8	10.0	30.0
7	Phosphate(PO4-P)	0.867	0.489	1.567	0.511	1.948	0.71	1.0	-
8	Ammonical Nitrogen (NH3-N)	9.198	8.892	12.66	10.026	10.71	9.018	-	-
9	Chloride	76.0	80.0	110.0	98.0	56.0	50.0	-	-
10	Total Suspended Solids	-	18.0	-	27.0	-	35.0	20.0	<100
11	Total Dissolved Solids	327.0	342.0	509.0	451.0	393.0	377.0	-	-

*It is advised that treated water from the STPs should be utilized for activities like irrigation, construction, industrial use etc instead of discharging it directly into the water bodies so that water bodies can be prevented from further deterioration*

All values are in mg/l except p H, & Temperature

Note :- This analysis report is confined only to the samples analysed

Sample Collected by

*Handwritten signature*

Analysed by

*Handwritten signature*

*Handwritten signature*  
I/C Water Lab



Performance report of Various STPs around DAL and Nigeen Lake Operated by LCMA

Analysis Report

S.no		STP NALLAH AMIR KHAN (5.4 MLD)		BARINAMBAL LCMA (16.1 MLD)		Norms as per Hon,ble NGT	SEWAGE TREATMENT FINAL EFFLUENT STANDARDS (AS NOTIFIED BY MOEF& CC)13/10/2017
		RAW	FINAL	RAW	FINAL		
	Date of Sampling	04-11-2024		04-11-2024			
1	Air Temperature	21.00		18.5		-	
2	Water Temperature	17.6	17.5	17.0	17.5	-	
3	pH	7.18	7.44	7.10	7.46	5.5 to 9.0	6.5 to 9.0
4	Dissolved Oxygen	-	6.2	-	7.0	-	-
5	Chemical Oxygen Demand	523.70	71.42	515.8	95.2	50.0	-
6	*Biochemical Oxygen Demand for 3days at 27°C*	144.8	13.4	130.8	17.80	10.0	30.0
7	Phosphate(PO4-P)	2.052	0.358	1.997	0.677	1.0	-
8	Ammonical Nitrogen (NH3-N)	12.630	4.83	11.85	6.27	-	-
9	Chloride	78.0	50.0	72.0	56.0	-	-
10	Total Suspended Solids	-	17.0	-	21.0	20.0	<100
11	Total Dissolved Solids	494.0	442.0	430.0	376.0	-	-

*It is advised that treated water from the STPs should be utilized for activities like irrigation, construction, industrial use etc instead of discharging it directly into the water bodies so that water bodies can be prevented from further deterioration*

All values are in mg/l except p H, & Temperature

Note :- This analysis report is confined only to the samples analysed

Sample Collected by

*[Signature]*

Analysed by

*[Signature]*

*[Signature]*

I/C Water Lab



J&K Pollution Control Committee  
Rajbagh, Srinagar Kashmir

Report No:-PCC/ROK/W.Lab/AR/24-25/29  
Date:- 12/11/2024

### Performance report of Various STPs Operated by UEED

#### Analysis Report

S.no		STP RAJBAGH SRINAGAR (2.21 MLD)		STP ALLOCHI BAGH SRINAGR (6.0 MLD)		STP BARINAMBAL UEED (17.1 MLD)		Norms as per Hon,ble NGT	SEWAGE TREATMENT FINAL EFFLUENT STANDARDS (AS NOTIFIED BY MOEF& CC)13/10/2017
		RAW	FINAL	RAW	FINAL	RAW	FINAL		
	Date of Sampling	04-11-2024		04-11-2024		04-11-2024			
1	Air Temperature	22		22		19		-	
2	Water Temperature	18	19	18.3	17.5	17	16.6	-	
3	pH	7.1	7.29	7.16	7.65	7.10	7.32	5.5 to 9.0	6.5 to 9.0
4	Dissolved Oxygen	-	2.5	-	7.0	-	1.9	-	-
5	Chemical Oxygen Demand	404.17	95.2	230.14	47.61	507.0	198.4	50.0	-
6	*Biochemical Oxygen Demand for 3days at 27°C*	106.8	26.8	41.6	8.3	134.8	56.8	10.0	30.0
7	Phosphate(PO4-P)	1.937	0.794	0.973	0.631	2.125	1.967	1.0	-
8	Ammonical Nitrogen (NH3-N)	12.726	10.8	8.22	3.438	11.43	10.36	-	-
9	Chloride	74.0	66.0	68.0	52.0	72.0	68.0	-	-
10	Total Suspended Solids	-	40.0	-	9.0	-	190.0	20.0	<100
11	Total Dissolved Solids	413.0	385.0	418.0	384.0	419.0	405.0	-	-

*It is advised that treated water from the STPs should be utilized for activities like irrigation, construction, industrial use etc instead of discharging it directly into the water bodies so that water bodies can be prevented from further deterioration*

All values are in mg/l except p H, & Temperature  
Note :- This analysis report is confined only to the samples analysed

Sample Collected by

*[Signature]*

Analysed by

*[Signature]*

*[Signature]*  
I/C Water Lab



### Performance report of Various STPs Operated by UEED

#### Analysis Report

S.no		STP MEHANDI KADAL ANANTNAG (4.0MLD)		STP PAHALGAM ANANTNAG (2.0 MLD)		Norms as per Hon,ble NGT	SEWAGE TREATMENT FINAL EFFLUENT STANDARDS (AS NOTIFIED BY MOEF & CC)13/10/2017
		RAW	FINAL	RAW	FINAL		
	Date of Sampling	06-11-2024		06-11-2024			
1	Air Temperature	15.9		18.6		-	
2	Water Temperature	15.5	15.7	14.5	14.3	-	
3	pH	7.33	7.34	6.95	7.34	5.5 to 9.0	6.5 to 9.0
4	Dissolved Oxygen	-	6.7	-	6.2	-	-
5	Chemical Oxygen Demand	230.0	47.61	408	47.61	50.0	-
6	*Biochemical Oxygen Demand for 3days at 27°C*	64.8	9.0	136.8	8.5	10.0	30.0
7	Phosphate(PO4-P)	0.954	0.437	1.215	0.341	1.0	-
8	Ammonical Nitrogen (NH3-N)	6.984	1.494	8.376	2.184	-	-
9	Chloride	32.0	26.0	44.0	40.0	-	-
10	Total Suspended Solids	-	11.0	-	8.0	20.0	<100
11	Total Dissolved Solids	248.0	183.0	250.0	196.0	-	-

*It is advised that treated water from the STPs should be utilized for activities like irrigation, construction, industrial use etc instead of discharging it directly into the water bodies so that water bodies can be prevented from further deterioration*

All values are in mg/l except p H, & Temperature

Note :- This analysis report is confined only to the samples analysed

Sample Collected by

*[Signature]*

Analysed by

*[Signature]*

*[Signature]*  
I/C Water Lab

**J&K STATE POLLUTION CONTROL COMMITTEE**  
**ANALYSIS TEST REPORT (Water Laboratory)**

811

**Monitoring of Sewage Treatment Plants in Jammu Division:**

S.No.	Name of Sewage Treatment plants	Date of Sample Collection	Source of Sample (from STP)	Parameters						Remarks
				pH	TSS	COD	BOD	Total Kjeldahl Nitrogen	Total Phosphate	
<b>Standard Permissible Limits as per NGT OA 1069/2018</b>				<b>5.5-9.0</b>	<b>20mg/l</b>	<b>50mg/l</b>	<b>10mg/l</b>	<b>-</b>	<b>1mg/l</b>	
1.	M/s 30 MLD STP at Bagwati Nagar, Jammu	28-10-2024	Inlet	7.96	396	140	42	37.82	2.08	
			Outlet	7.60	20	40	9.0	21.01	0.19	Meeting the standards
2.	M/s 4.0 MLD STP at Jagti Nagrota	28-10-2024	Inlet	8.65	565	412	125	112.08	2.6	
			Outlet	8.20	24	40	9.0	68.64	0.14	Meeting the standards except TSS
3.	M/s 8.0 MLD STP at Udhampur	4-11-2024	Inlet	7.56	208	305	96	121.81	2.0	
			Outlet	7.65	12	30	7.0	2.8	1.18	Meeting the standards
4.	M/s 4.0 MLD STP at Udhampur	4-11-2024	Inlet	8.50	286	384	106	50.43	3.04	
			Outlet	7.96	68	52.0	15	11.20	0.21	Not complying
5.	M/s 1.6 MLD STP at Udhampur	4-11-2024	Inlet	7.86	222	289	88	98.07	2.93	
			Outlet	7.70	38	62	19	18.21	1.90	Not complying
6.	M/s 1.2 MLD STP at Patnitop	4-11-2024	Inlet	7.86	422	289	88	70.05	3.50	
			Outlet	7.70	28	62	19	29.42	1.04	Not complying
7.	M/s 3200 KLDSTP at Mata Vaishno Devi Bhawan	4-11-2024	Inlet	8.60	490	848	254	155.51	3.80	
			Outlet	8.24	32	88	27.0	21.01	0.86	Not complying
8.	M/s 400KLD STP at Adhkwanwari	4-11-2024	Inlet	8.50	630	928	278	165.31	3.90	
			Outlet	8.30	38	64	19	39.2	1.47	Not complying
9.	M/s 400 KLD STP at Niharika Bhawan, Katra	4-11-2024	Inlet	8.60	590	104	28.0	19.61	0.16	
			Outlet	8.24	12	64	17.0	19.61	1.28	Not complying
10.	M/s 250KLD STP at Trikuta Bhawan, Katra	4-11-2024	Inlet	8.60	249	208	60	40.62	2.80	
			Outlet	8.10	14	24	8.0	5.6	0.27	Meeting the standards

Note:-TKN and TP have been analyzed from outsource NABL laboratory, Agrotech Aromatics Pvt. Ltd. Jammu.



To

AEE  
Mechanical Sewerage Subdivision  
UEED Srinagar

Reference: -

Your letter No. MSSD/929-30 dated 04-11-2024 to test treated effluent for fecal coliforms.

Sample sourced from five STPs 17.08 MLD Brari Nambal, 2.21 MLD Rajbagh, 6 MLD Aluchi Bagh, 4 MLD, Mehandikadal and 2 MLD Pahalgam

**TEST REPORT**

S. No.	Effluent Sample location	Protocol / method of test	Sampling date	Fecal Coliforms (MPN/100 ml)	Limits for effluent fecal coliforms
1.	2.21 MLD Rajbagh	IS 1622	04-11-2024	< 2	NGT Norms - • Desirable -100 MPN/100mL. • Permissible - 230 MPN/100mL. CPHEEO. • 1000 MPN/100mL
2.	6 MLD Alochibagh	IS 1622	04-11-2024	< 2	
3.	17 MLD Brari Nambal	IS 1622	04-11-2024	20	
4.	4.0 MLD Mehandikadal	IS 1622	06-11-2024	20	
5.	2.00 MLD Pahalgam	IS 1622	06-11-2024	< 2	

Comments / Recommendations: -

1. The effluent fecal coliforms from the sampled STPs were within permissible limits of NGT and CPHEEO.



*[Signature]*  
20.11.2024

I/C Env Engg Lab  
I/C Environmental Engg Lab  
Department of Civil Engineering  
NIT Srinagar, J&K, India

*[Signature]*  
20/11/2024  
O/C WR&E

NIT Srinagar, Jammu, India  
 Department of Civil Engineering  
 I.C. Environmental Engg. Lab

*JNM*  
*D*

<p>Sampling for FC testing of 4.0 MLD STP at Mehandikadal on 06.11.2024 by NIT staff with proper autoclaved sampling tools.</p> 	<p>Sampling for FC testing of 6.00 MLD STP at Alluchi Bagh on 04.11.2024 by NIT staff with proper autoclaved sampling tools.</p> 
<p>Sampling for FC testing of 2.21 MLD STP at Rajbagh on 04.11.2024 by NIT staff with proper autoclaved sampling tools.</p> 	<p>Sampling for FC testing of 17.08 MLD STP at Bari-Nambal on 04.11.2024 by NIT staff with proper autoclaved sampling tools.</p> 

ANNEXURE 1  
 SAMPLING PHOTOS

Phone : 0194-2429423(2202)  
 Email : hodcivil@nitsri.ac.in

Hazratbal, Srinagar Jammu and Kashmir, 190006, INDIA  
 (Water Resources and Environmental Division)

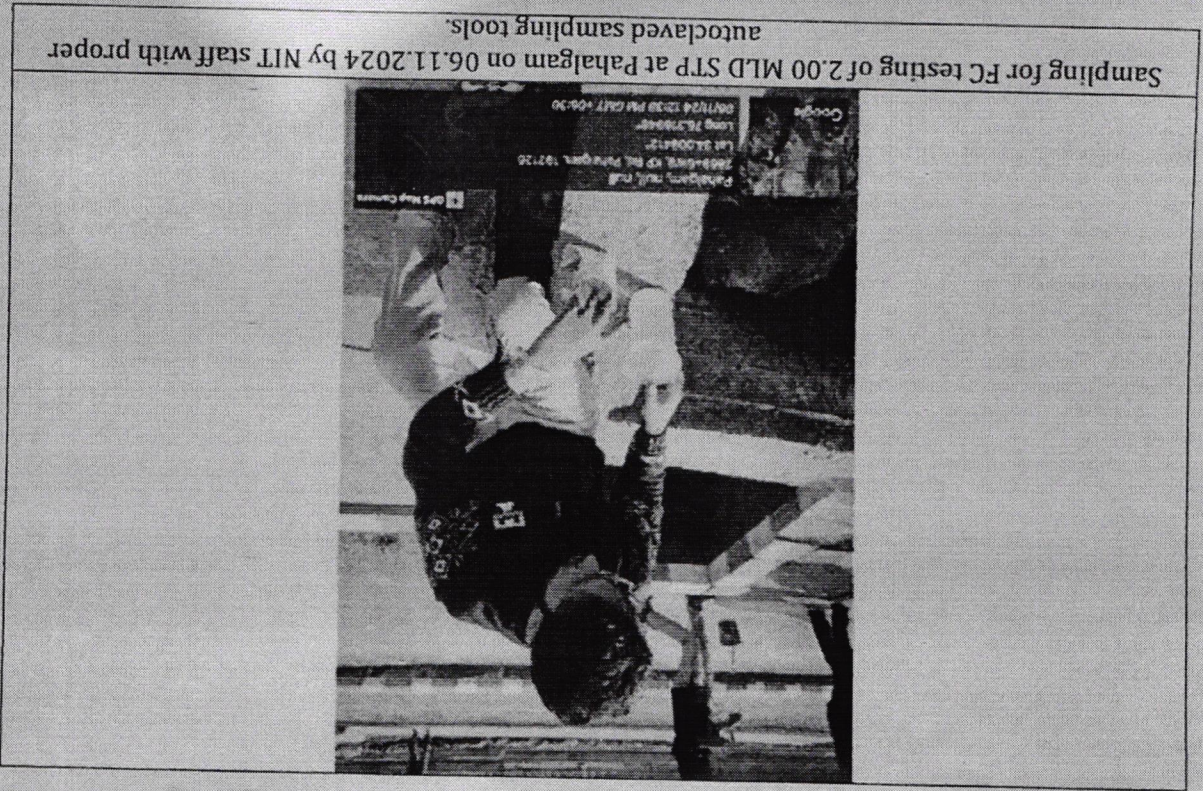
DEPARTMENT OF CIVIL ENGINEERING  
 NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR

राष्ट्रीय प्रौद्योगिकी संस्थान श्रीनगर

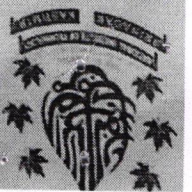


Department of Environmental Engg. IITB

*[Handwritten signatures]*



राष्ट्रीय प्रौद्योगिकी संस्थान श्रीनगर  
 NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR  
 DEPARTMENT OF CIVIL ENGINEERING  
 (Water Resources and Environmental Division)  
 Hazratbal, Srinagar Jammu and Kashmir, 190006, INDIA  
 Phone : 0194-2429423(2202)  
 Email : hodcivil@nitsri.ac.in





No: IITJ/Cons/PK/2024/TWS/BR-1/01

Dated: 27/11/2024

To,  
The Office of the Executive Engineer  
Sewerage and Drainage Division (West)  
Jammu-180001

As per the invoice IITJ/Cons/PK/2024/TWS/B-1/01 dated 23/11/2024, wastewater samples were collected and analyzed for six parameters. Please find below the wastewater quality analysis report of the same.

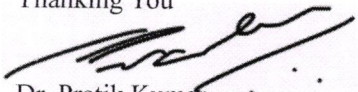
**Wastewater Quality Analysis Report**

Sr. No.	Sample Code	pH	Dissolved Oxygen (mg/L)	Total Suspended Solids (mg/L)	Chemical Oxygen Demand (mg/L)	Biological Oxygen Demand (mg/L)	Total Coliform (Colonies per 100 mL)
1.	4 MLD Udhampur STP Inlet	7.57	2.2	440	567	187	*Numerous
2.	4 MLD Udhampur STP Outlet	7.55	5.4	15.5	22	12	230
3.	8 MLD Udhampur STP Inlet	7.51	1.6	404	2067	595	Numerous
4.	8 MLD Udhampur STP Outlet	7.54	3.3	18.6	27	10	290
5.	4 MLD Jagati STP Inlet	7.55	1.9	264	867	289	Numerous
6.	4 MLD Jagati STP Outlet	7.82	4.3	22.8	22	11	356
7.	30 MLD Bhagwati Nagar STP Inlet	7.66	2.7	204	933	302	Numerous
8.	30 MLD Bhagwati Nagar STP Outlet	7.70	5.9	15.6	28	13	313

\*Numerous- Beyond the count

The above work has been completed within two weeks after the fee is deposited. Please feel free to contact the undersigned if further information is required.

Thanking You

  
Dr. Pratik Kumar

Civil Engineering Department (Environmental Engineering)  
Indian Institute of Technology, Jammu



No: IITJ/Cons/PK/2024/TWS/BR-1/01

Dated: 27/11/2024

To,  
The Office of the Executive Engineer  
Sewerage and Drainage Division (West)  
Jammu-180001

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Thanking You

Dr. Pratik Kumar

Civil Engineering Department (Environmental Engineering)  
Indian Institute of Technology, Jammu

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Annet-5



**J&K Lake Conservation & Management Authority,**  
LCMA Complex, Miskeen Bagh, Khanyar, Srinagar – 190003

Website: [www.jklcma.jk.gov.in](http://www.jklcma.jk.gov.in)  
Phone No. 0194-4015595

email: [vicechairmanjklcma@gmail.com](mailto:vicechairmanjklcma@gmail.com)  
Fax No. 0194 4015595

No. LCMA - 245/2530 - 31

Dated: - 18 -11-2024

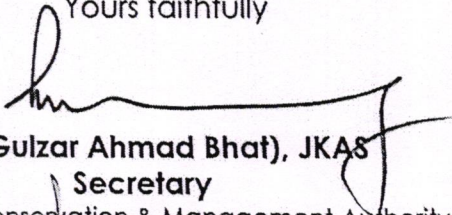
**Member Secretary,**  
Pollution Control Committee,  
Srinagar.

**Subject :- Physico – chemical analysis report of different STPs.**

Sir,

Apropos the captioned subject, i am directed to enclose herewith the physico-chemical and biological analysis report of different STPs for favour of further course of action.

Yours faithfully

  
**(Gulzar Ahmad Bhat), JKAS**  
**Secretary**  
J&K Lake Conservation & Management Authority  
Srinagar.

**Copy to the:-**

Vice Chairman, J&K Lake Conservation & Management Authority, Srinagar.

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**J&K Lakes Conservation & Management Authority,**  
**Research & Monitoring Division, Miskeen Bagh, Srinagar.**  
LCMA Complex, Miskeen Bagh, Srinagar, 190003

No:- R & M/LCMA/16/  
Dated:- 13/11/24

Vice Chairman,  
JK Lake Conservation and Management Authority,  
Srinagar.

**Sub:** - Physico-chemical analysis report of different STPs.

Sir,

Kindly find enclosed the physico-chemical and biological analysis reports of different STPs. The samples were collected jointly by JK Pollution control committee, UEED and Research and Monitoring Division on 04<sup>th</sup> of November 2024.

Jey LCMA  
10/11

Yours faithfully,

Incharge  
Research & Monitoring Division,  
JK LCMA

**J&K LAKE CONSERVATION AND MANAGEMENT AUTHORITY.**  
Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 04-11-2024.

Parameters	Units	Hazratbal		Habak		Laam		Brarinambal LDA		Brarinambal UEED		Nallah Amir Khan		Norms as per NGT	Permissible limits as per CPCB
		Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final		
Air Temperature	°C	20.8		20.2		20.5		18.5		19.0		21.0		-	-
W. Temp.	°C	17.1	17.3	17.0	17.1	17.3	17.5	17.0	17.5	17.0	16.6	17.6	17.5	--	5°C above receiving water body
pH	--	7.2	7.3	7.1	7.2	7.1	7.3	7.1	7.5	7.0	7.3	7.2	7.5	-	-
T-Phosphorous	mg/l	2.2	1.2	2.8	1.1	1.2	0.7	2.9	0.8	3.0	2.5	2.4	0.8	1.0 as T.P	5.0
Ammonical Nitrogen	mg/l	11.7	10.2	13.6	11.0	9.4	7.6	12.3	6.8	12.9	10.5	12.9	5.6	10 as T.Nitrogen	50
Nitrate Nitrogen	mg/l	0.8	0.9	0.7	0.8	0.9	1.0	0.7	1.4	0.7	0.9	0.8	1.1	-	-
T.S.S	mg/l	227	37	289	40	126	19	349	20	378	214	466	20	--	100
T.coliform	Col/100ml	-	900	-	1100	--	500	-	800	-	2800	-	400	PERMISSIBLE 230 DESIREABLE 100	Less than 1000
F.Coliform	Col/100ml	-	700	-	750	-	400	-	300	-	2100	-	300	PERMISSIBLE 230 DESIREABLE 100	Less than 1000
Dissolved Oxygen	mg/l	0.4	4.0	0.2	3.8	1.0	4.4	0.4	5.6	0.2	2.2	0.6	5.2	-	-
COD	mg/l	372	89	375	95	387	79	487	80	480	176	465	75	50	250
BOD	mg/l	99	22	91	25	112	18	110	18	109	48	152	16	10	30