

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

O.A. No 735/2023

In the matter of:

News Item titled "Ashwani Khad: The most polluted river in Himachal Pradesh" appearing in News Himachal dated 04.12.2023

Versus

State of Himachal Pradesh & Ors.

.....Respondents

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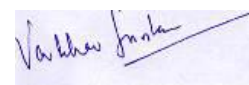
	carried out by HPSPCB on monthly basis at different sampling locations from the month of January, 2024 to March, 2026.	
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DRAWN BY:  
Sh. Chandan Singh  
Environmental Engineer, HPSPCB

Place: Shimla, H.P.  
Dated: 20.05.2026

HPSPCB

Through Counsel



Vaibhav Srivastava

(Advocate)

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

**O.A. No 735/2023**

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News Item titled "Ashwani Khad: The most polluted river in Himachal Pradesh" appearing in News Himachal dated 04.12.2023

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**ADDITIONAL REPORT BY WAY OF AFFIDAVIT  
ON BEHALF OF H.P. STATE POLLUTION  
CONTROL BOARD IN COMPLIANCE WITH  
ORDER DATED 12.02.2026.**

MAY IT PLEASE YOUR LORDSHIPS:

I Chandan Singh, S/o Late Sh. Vijay Kumar Singh aged about 37 years, at present working as Environmental Engineer, H.P. State Pollution Control Board posted at Head Office, Shimla, Himachal Pradesh, do hereby solemnly declare and affirm on oath as under:-

1. That I am well conversant with the facts of the case and duly authorised to file this affidavit on behalf of. H.P. State Pollution Control Board (HPSPCB).

ATTESTED

With Commission  
High Court, Shimla

2. That in the present matter, the Hon'ble National Green Tribunal is considering the issue of increasing pollution of Ashwani Khad and other rivers in the State of Himachal Pradesh. The matter was last listed on 12.02.2026, wherein, the Hon'ble Tribunal passed following directions qua HPSPCB:-

*"...9. The latest report concerning the water quality of Ashwani Khad has not been placed on record. Therefore, we are not in a position to ascertain the improvement, if any, in the pollution level of Ashwani Khad.*

*11. A perusal of the above report reveals that HPSPCB is not taking effective steps to recover the EC amount.*

*12. The Learned Counsel for HPSPCB could not answer to the queries of the Tribunal relating to the water quality of Ashwani Khad or different polluted stretches of the rivers or the efforts for recovery of EC or action taken for imposition of EC for the subsequent violation. Hence, we require some responsible officer of HP,SPCB to appear virtually on the next date of hearing to assist the Tribunal....*

*... List on 22.05.2026..."*

3. That in compliance to the above directions, the monthly surface water monitoring results of Ashwani Khad carried out by HPSPCB at different sampling locations identified by CPCB, from the month of January, 2024 to March, 2026, are annexed as **Annexure-I**. In addition, the monthly surface water monitoring results of other identified polluted stretches of River Giri, River Markanda, River Sirsa, River Beas, Shikari Khad and Pabbar River carried out by

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J.P. High Court, Shimla

HPSPCB at key sampling locations of the State from the month of January, 2024 to March, 2026 are annexed as **Annexure-II**.

It is submitted that the water monitoring data has been assessed as per parameters provided at Serial No. 93, Schedule-I of the Environment (Protection) Amendment Rules, 2000 which specifies 'The primary water quality criteria for bathing water' in table 1 as follows:-

- **Fecal Coliform (F.C.):** 500 MPN/100 ml (Desirable limit) and 2500 MPN/100ml (Maximum Permissible Limit).
- **Fecal Streptococci:** 100 MPN/100 ml (Desirable limit) and 500 MPN/100ml (Maximum Permissible Limit)
- **pH:** between 6.5 – 8.5
- **Dissolved Oxygen (DO):**  $\geq 5$  mg/l
- **Biochemical Oxygen Demand (BOD):**  $\leq 3$  mg/l

(Copy of the Environment (Protection) Amendment Rules, 2000 is annexed as **Annexure-III**)

It is submitted that that the surface water monitoring has been carried out by HPSPCB with respect to pH, Dissolved Oxygen (DO), Biochemical Oxygen Demand (BOD), and Faecal Coliform (F.C.) parameters.

4. That the surface water monitoring results of Ashwani Khad carried out at different sampling locations identified by CPCB, from the month of January, 2024 to March, 2026 (**Annexure-I**) are summarised as follows:-

ANNEXED

Commissioner  
High Court, Shimla

**(i). Ashwani Khad – Upstream Yashwant Nagar**

- pH: 7.01 – 8.70 (mostly within limits; isolated marginal deviation at 8.70).
- DO: 6.5 – 8.8 mg/l (consistently above 5 mg/l).
- BOD: 0.1 – 1.3 mg/l (well below 3 mg/l).
- FC: 2 – 8 MPN/100 ml (far below 500).

**(ii). Upstream of Weir Site of WTP near Ashwani Khad**

- pH: 7.36 – 8.56 (generally within limits; one marginal value of 8.56).
- DO: 6.2 – 8.9 mg/l (fully compliant).
- BOD: Mostly 1.0 – 2.8 mg/l; isolated exceedances observed in April 2024 (3.8 mg/l), May 2024 (3.2 mg/l), July 2024 (4.8 mg/l), and August 2024 (3.4 mg/l). Thereafter, values remained within limits.
- FC: 9 – 350 MPN/100 ml (within 500 limit; elevated values during 2024 but within permissible criteria).

**(iii). Downstream Ashwani Khad after Confluence of Lift Nallah**

- pH: 7.37 – 8.90 (mostly within range; isolated higher value at 8.90).
- DO: 5.6 – 8.4 mg/l (remained above minimum requirement).
- BOD: Significant exceedances during January–August 2024 (5.2 – 12.2 mg/l), exceeding the 3 mg/l limit. From September 2024 onwards, BOD reduced and remained within prescribed limits (1.0 – 2.9 mg/l).



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Commissioner  
High Court, Shimla

- FC: 17 – 920 MPN/100 ml. Exceedances above 500 observed in May 2024 (920) , July 2024 (520) and October 2024 (540). Post-2024 values remained within limits.

**(iv). Ashwani Khad- Downstream Village Sadhupul:**

- pH: 7.45 – 8.59 (generally within limits; occasional marginal elevation).
- DO: 6.4 – 8.8 mg/l (compliant).
- BOD: Mostly below 3 mg/l; one marginal exceedance in March 2024 (3.2 mg/l).
- FC: 2 – 39 MPN/100 ml (well within 500 limit).

**(v). Ashwani Khad- Upstream Village Sadhupul:**

- pH: 7.22 – 8.58 (generally within prescribed range; isolated marginal deviation).
- DO: 6.2 – 8.8 mg/l (consistently above 5 mg/l).
- BOD: 0.1 – 2.6 mg/l (within limit).
- FC: 2 – 14 MPN/100 ml (well within limit).

Therefore, it is submitted that the overall surface water quality of Ashwani Khad confirms 'Primary Water Quality Criteria For Bathing Water' provided at Serial No. 93, Schedule-I of the Environment (Protection) Amendment Rules, 2000. The only significant point of pollution identified is the downstream stretch after the confluence of the Lift nallah (located at Shimla city) which showed high organic and bacterial loads in early 2024. However, the data confirms a significant and sustained recovery in this stretch from late 2024 onwards, with BOD and Fecal Coliform

G

levels returning to safe, permissible limits in 2025 and 2026 as per 'Primary Water Quality Criteria For Bathing Water'.

5. That regarding the issue of imposition and recovery of the Environmental Compensation (EC) from the defaulting STPs, it is submitted that State Board has imposed total Environmental Compensation of ₹8,38,05,394 for non-compliance of STPs operated by Jal Shakti Vibhag (JSV), Govt of H.P, Shimla Jal Prabandhan Nigam Limited (SJPNL) and Bhakra Beas Management Board (BBMB).

The entity wise breakup of EC imposed and deposited is as below: -

Entity	EC Imposed	EC Deposited
BBMB	₹ 30,54,500	NIL
JSV	₹4,27,72,034	₹3,46,44,688
SJPNL	₹3,79,78,860	NIL
<b>Total</b>	<b>₹8,38,05,394</b>	<b>₹3,46,44,688</b>

Therefore, it is submitted that the Jal Shakti Vibhag (JSV), Government of H.P. has deposited **₹3,46,44,688** (Rupees Three Crore, Forty-Six Lakh, Forty-Four Thousand, Six Hundred and Eighty-Eight Only) out of the total EC amount of **₹4,27,72,034** (Rupees Four Crore, Twenty Seven Lakh, Seventy Two Thousand and Thirty Four Only). However, Shimla Jal Prabandhan Nigam Limited (SJPNL) and Bhakra Beas Management Board (BBMB) have not deposited any EC amount. In fact, SJPNL had filed a Civil Writ Petition (CWP No. 847/2026 titled Shimla Jal Prabandhan Nigam

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Commissioner,  
H.P. High Court, Shimla

Limited vs. H.P. State Pollution Control Board) before the Hon'ble High Court of H.P. for setting aside of orders of HPSPCB imposing EC on STPs of the SJPNL.

The STPs wise details of amount of Environmental Compensation imposed, date of imposition, and the violation period is annexed as **Annexure-IV**. The consolidated analysis results showing the latest performance status of the STPs located in the catchment area of Ashwani Khad as well as other concerned areas for the year 2025-2026 are annexed as **Annexure-V**.

6. That regarding the steps taken by the State Board for recovery of the environmental compensation from STPs, it is submitted that the State Board has time and again issued letters and reminders to the Jal Shakti Vibhag, SJPNL and BBMB for depositing the Environmental Compensation. Further, the State Board vide letters dated 27.09.2025, 22.12.2025 and 08.05.2026 has requested the concerned Deputy Commissioner, Shimla, Deputy Commissioner, Mandi and Deputy Commissioner, Solan, H.P. to initiate recovery proceedings against the defaulting units/STPs as an arrear of land revenue. (Copy of letters dated 27.09.2025, 22.12.2025 and 08.05.2026 are annexed as **Annexure-VI collectively**).

7. That in addition to the above recovery proceedings, it is submitted that HPSPCB has also taken up the matter with the State Government and meetings have been held with the stakeholders. It is humbly submitted that because of these efforts Jal Shakti Vibhag (JSV), Government of H.P. has

ATTESTED

Deputy Commissioner,  
High Court, Shimla

deposited EC amount of ₹3,46,44,688 (Rupees Three Crore, Forty-Six Lakh, Forty-Four Thousand, Six Hundred and Eighty-Eight Only) out of the total EC amount of ₹4,27,72,034 (Rupees Four Crore, Twenty Seven Lakh, Seventy Two Thousand and Thirty Four Only).

- 8. That the present additional report of HPSPCB in compliance to order dated 12.02.2026, may kindly be taken on record. It is submitted that respondent Board i.e. HPSPCB is making all possible efforts as per its mandate and shall abide by further directions passed by Hon'ble NGT.

DEPONENT

ATTESTED

Oath Commissioner  
H.P. High Court, Shimla

Verification:

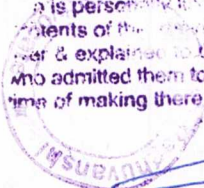
I, the above named deponent do hereby verify that the above contents of para no. 1 to 8 of this affidavit are correct to the best of my knowledge, based on information derived from official records, no part of the same is wrong and nothing material has been concealed therefrom.

Verified at Shimla, H.P. on this 20<sup>th</sup> day of May, 2026.

DEPONENT

I identified by  
verified by  
Tavun Thakur  
Ato, HPS 1932

Deponent that the above/overleaf was declared  
on solemn affirmation on this 20<sup>th</sup> day of May 2026  
in the District of Shimla by Sh. Arvind Singh  
who was identified by Sh. Tavun Thakur  
is personally known to me and the  
contents of the above affidavit have been read  
over & explained to the deponent in vernacular  
who admitted them to be correct and true at the  
time of making thereof



Oath Commissioner  
H.P. High Court, Shimla  
20/5/26

All Cuttings and Corrections  
Guly attested by me  
20/5/26  
Oath Commissioner

**WATER MONITORING RESULTS OF ASHWANI  
KHAD AT DIFFERENT LOCATIONS.  
Month wise (Jan-2024 to March 2026)**

<b>Ashwani Khad U/s Yashwant Nagar</b>				
<b>Month</b>	<b>pH</b>	<b>D.O. mg/l</b>	<b>BOD mg/l</b>	<b>F.C. MPN /100ml</b>
Jan-24	7.90	7.8	0.2	4
Feb-24	7.86	7.7	0.2	2
Mar-24	8.27	6.9	0.1	2
Apr-24	7.98	6.5	0.3	2
May-24	7.50	7.7	0.3	4
Jun-24	7.54	7.8	0.2	2
Jul-24	7.87	7.8	1.3	5
Aug-24	8.23	7.6	0.3	2
Sep-24	7.97	8.6	0.1	4
Oct-24	8.06	8.8	0.1	2
Nov-24	8.00	8.6	0.1	2
Dec-24	8.70	8.7	0.1	2
Jan-25	7.70	8.7	0.1	2
Feb-25	7.73	8.3	0.1	2
Mar-25	7.85	8.1	0.1	2
Apr-25	7.63	8.3	0.1	2
May-25	7.26	7.8	0.5	4
Jun-25	7.20	8.4	0.1	4
Jul-25	7.11	8.6	0.1	4
Aug-25	7.16	8.4	0.1	4
Sep-25	7.22	7.8	0.3	4
Oct-25	7.63	8.8	0.4	2
Nov-25	7.74	8.4	0.3	2
Dec-25	7.48	8.3	1.2	8
Jan-26	7.38	7.9	0.4	2
Feb-26	7.01	8.2	0.6	5
Mar-26	7.14	8.4	0.7	2

<b>U/s of weir site of WTP near Ashwani Khad.</b>				
<b>Month</b>	<b>pH</b>	<b>D.O. mg/l</b>	<b>BOD mg/l</b>	<b>F.C. MPN /100ml</b>
Jan-24	8.24	8.9	BDL	17
Feb-24	8.37	8.4	1.0	9
Mar-24	8.23	7.8	2.8	12
Apr-24	7.91	6.9	3.8	26

May-24	7.62	7.5	3.2	350
Jun-24	8.18	7.2	2.8	33
Jul-24	8.09	6.2	4.8	170
Aug-24	8.04	7.1	3.4	110
Sep-24	7.89	7.5	2.4	47
Oct-24	7.93	7.8	2.0	140
Nov-24	7.76	7.9	1.7	26
Dec-24	7.91	7.9	2.0	17
Jan-25	8.16	7.8	1.0	47
Feb-25	7.80	7.6	1.0	11
Mar-25	7.38	7.8	1.2	21
Apr-25	7.78	7.9	1.2	21
May-25	7.74	7.9	1.6	26
Jun-25	7.51	7.8	1.8	14
Jul-25	7.98	7.8	1.8	39
Aug-25	7.82	7.9	1.1	110
Sep-25	8.15	7.9	1.0	47
Oct-25	8.56	7.9	1.4	46
Nov-25	7.36	7.9	1.0	94
Dec-25	8.01	7.9	1.0	9
Jan-26	7.48	7.9	BDL	47
Feb-26	8.00	7.9	1.0	11
Mar-26	8.05	7.9	1.2	47

<b>D/s Ashwani Khad after confluence of lift nallah</b>				
<b>Month</b>	<b>pH</b>	<b>D.O. mg/l</b>	<b>BOD mg/l</b>	<b>F.C. MPN /100ml</b>
Jan-24	7.98	8.3	12.2	70
Feb-24	7.88	8.4	6.3	24
Mar-24	7.65	7.3	6.2	24
Apr-24	7.91	5.6	6.2	70
May-24	7.65	6.4	6.2	920
Jun-24	8.90	6.3	5.2	350
Jul-24	8.03	6.3	6.4	520
Aug-24	7.96	7.2	5.4	220
Sep-24	7.85	7.1	2.9	21
Oct-24	7.37	7.4	2.2	540
Nov-24	7.88	7.5	2.1	22
Dec-24	8.11	7.5	2.2	17
Jan-25	8.18	7.9	1.2	26
Feb-25	7.60	7.4	1.2	32
Mar-25	7.85	7.8	1.4	47

Apr-25	7.93	7.8	1.8	70
May-25	7.80	7.6	1.8	17
Jun-25	7.85	7.7	2.2	14
Jul-25	7.87	7.6	2.2	70
Aug-25	7.81	7.8	1.8	70
Sep-25	8.24	7.8	1.4	70
Oct-25	8.59	7.9	1.8	70
Nov-25	8.07	7.8	1.8	39
Dec-25	7.98	7.9	1.2	17
Jan-26	7.96	7.8	1.0	39
Feb-26	8.09	7.8	1.4	22
Mar-26	8.12	7.8	2.2	46

Ashwani Khad D/S Vill Sadhupul				
Month	pH	D.O. mg/l	BOD mg/l	F.C. MPN /100ml
Jan-24	7.66	7.8	2.0	11
Feb-24	7.52	7.8	1.2	7
Mar-24	7.58	8.6	3.2	11
Apr-24	7.45	8.0	1.1	11
May-24	8.08	6.8	2.2	14
Jun-24	7.57	6.9	2.7	39
Jul-24	7.92	6.9	0.2	2
Aug-24	7.85	7.9	0.1	2
Sep-24	8.13	8.7	0.1	5
Oct-24	7.51	7.7	0.2	2
Nov-24	8.04	8.2	0.3	4
Dec-24	8.59	7.2	0.1	2
Jan-25	7.79	7.7	0.1	2
Feb-25	7.80	7.9	0.1	2
Mar-25	7.89	8.1	0.1	2
Apr-25	7.86	8.2	0.1	2
May-25	7.62	6.4	1.2	4
Jun-25	7.68	8.5	0.6	11
Jul-25	7.56	8.7	0.2	2
Aug-25	7.59	8.6	0.1	2
Sep-25	7.50	7.0	0.5	2
Oct-25	7.45	8.7	0.6	4
Nov-25	7.52	8.8	0.6	4
Dec-25	7.92	8.5	1.0	5
Jan-26	8.01	8.3	0.7	5
Feb-26	7.65	8.4	0.5	2
Mar-26	7.73	8.5	1	2

Ashwani River U/S Vill Sadhupul				
Month	pH	D.O. mg/l	BOD mg/l	F.C. MPN /100ml
Jan-24	7.61	7.5	1.4	14
Feb-24	7.22	7.2	1.5	7
Mar-24	7.62	8.2	2.4	11
Apr-24	7.47	7.8	2.6	14
May-24	7.99	6.7	0.1	2
Jun-24	7.61	6.8	0.3	5
Jul-24	8.48	6.8	0.3	2
Aug-24	7.71	7.6	0.1	2
Sep-24	7.75	8.5	0.1	2
Oct-24	7.58	7.8	0.1	2
Nov-24	8.09	7.9	0.2	2
Dec-24	8.58	6.8	0.1	2
Jan-25	7.91	7.5	0.4	2
Feb-25	7.82	7.8	0.4	4
Mar-25	7.88	8.3	0.1	2
Apr-25	7.88	8.0	0.1	—
May-25	7.80	6.2	1.4	9
Jun-25	7.72	8.3	0.8	11
Jul-25	7.83	8.8	0.1	4
Aug-25	7.81	8.7	0.1	2
Sep-25	7.86	7.1	0.5	4
Oct-25	7.91	8.5	0.4	2
Nov-25	7.82	8.4	0.5	2
Dec-25	8.04	8.3	1.4	8
Jan-26	8.12	8.1	0.6	5
Feb-26	8.01	8.4	0.7	5
Mar-26	7.97	8.2	0.9	7.8

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## GIRI RIVER

Giri River D/s Yashwant Nagar				
Month	pH	D.O. mg/l	BOD mg/l	F.C. MPN /100ml
Jan-24	7.87	8.8	0.3	5
Feb-24	7.95	8.0	0.2	2
Mar-24	8.04	7.5	0.1	2
Apr-24	7.92	7.4	0.3	4
May-24	8.09	7.8	0.2	2
Jun-24	7.47	7.7	0.3	4
Jul-24	7.81	7.7	0.6	4
Aug-24	8.10	7.8	0.1	2
Sep-24	7.89	8.8	0.1	2
Oct-24	7.37	8.7	0.1	2
Nov-24	7.97	8.8	0.1	2
Dec-24	7.96	8.8	0.1	2
Jan-25	7.70	8.8	0.1	2
Feb-25	7.73	8.5	0.2	4
Mar-25	7.65	8.4	0.1	2
Apr-25	7.62	8.6	0.1	2
May-25	7.48	7.9	0.6	4
Jun-25	7.49	8.7	0.4	2
Jul-25	7.41	8.8	0.2	4
Aug-25	7.45	8.6	0.2	4
Sep-25	7.49	7.8	0.4	2
Oct-25	7.51	8.9	0.3	2
Nov-25	7.68	8.7	0.4	2
Dec-25	7.69	8.6	1.0	5
Jan-26	7.73	8.2	0.5	5
Feb-26	7.41	8.7	0.4	2
Mar-26	7.56	8.8	0.5	2

Giri River at Village Maryaog after confluence of R, giri and Ashwani				
Month	pH	D.O. mg/l	BOD mg/l	F.C. MPN /100ml
Jan-24	7.82	9.2	0.2	4
Feb-24	7.89	8.4	0.4	5
Mar-24	7.88	7.6	0.1	2
Apr-24	7.91	7.7	0.2	4
May-24	8.00	7.3	0.2	2

Jun-24	7.57	7.4	0.4	4
Jul-24	7.88	7.4	0.1	2
Aug-24	8.31	8.0	0.4	4
Sep-24	8.07	8.8	0.4	2
Oct-24	7.96	8.8	0.2	2
Nov-24	7.95	9.0	0.1	2
Dec-24	7.95	9.5	0.1	2
Jan-25	7.96	9.2	0.1	2
Feb-25	7.91	9.2	0.1	2
Mar-25	7.98	8.6	0.1	2
Apr-25	7.89	8.7	0.1	2
May-25	7.52	6.6	0.5	4
Jun-25	7.58	8.8	0.2	2
Jul-25	7.44	8.9	0.1	2
Aug-25	7.52	8.9	0.2	2
Sep-25	7.58	7.5	0.5	4
Oct-25	7.46	8.9	0.6	4
Nov-25	7.23	8.9	0.5	4
Dec-25	7.42	8.9	1.3	8
Jan-26	7.48	8.7	0.5	5
Feb-26	7.56	8.7	0.6	2
Mar-26	7.28	8.8	0.5	2

River Giri D/s Sataun				
Month	pH	D.O. mg/l	BOD mg/l	F.C. MPN /100ml
Jan-24	8.26	8.1	1.9	49
Feb-24	7.81	8.5	1.3	70
Mar-24	7.81	8.5	1.4	39
Apr-24	7.96	7.7	1.2	94
May-24	8.28	7.6	1.4	70
Jun-24	8.10	7.6	1.0	33
Jul-24	7.90	7.9	1.3	39
Aug-24	8.20	7.8	1.2	32
Sep-24	8.36	7.8	1.1	32
Oct-24	8.28	7.9	1.5	70
Nov-24	8.32	8.0	1.8	63
Dec-24	8.19	7.7	1.6	47
Jan-25	8.14	8.0	1.3	27
Feb-25	8.10	7.8	1.4	33
Mar-25	7.95	7.9	1.2	41
Apr-25	8.08	7.7	1.5	32
May-25	7.90	7.5	1.3	33

Jun-25	8.21	7.6	1.3	22
Jul-25	7.86	7.6	1.0	58
Aug-25	8.39	7.7	1.0	63
Sep-25	8.29	8.5	1.0	84
Oct-25	8.29	7.6	1.1	58
Nov-25	8.31	8.1	1.0	63
Dec-25	8.17	8.2	1.0	110
Jan-26	8.07	8.3	1.3	94
Feb-26	8.02	8.1	1.2	110
Mar-26	8.26	7.5	1.0	79

<b>River Giri U/s proposed site of Sri Renukaji dam site</b>				
<b>Month</b>	<b>pH</b>	<b>D.O. mg/l</b>	<b>BOD mg/l</b>	<b>F.C. MPN /100ml</b>
Jan-24	7.89	7.6	1.4	40
Feb-24	8.05	7.5	1.1	33
Mar-24	8.02	7.8	1.2	39
Apr-24	8.37	7.9	1.2	47
May-24	8.30	7.8	1.1	40
Jun-24	8.29	8.1	1.0	26
Jul-24	8.22	7.4	1.0	26
Aug-24	8.16	8.4	1.0	22
Sep-24	8.09	8.3	1.0	40
Oct-24	8.32	8.6	1.5	27
Nov-24	8.14	7.8	1.3	32
Dec-24	8.15	8.0	1.5	21
Jan-25	8.25	7.8	1.2	33
Feb-25	8.12	8.0	1.1	38
Mar-25	7.93	8.5	1.1	46
Apr-25	7.69	7.9	1.2	33
May-25	7.56	7.8	1.1	31
Jun-25	7.95	8.1	1.2	63
Jul-25	8.05	8.3	1.5	33
Aug-25	8.18	7.6	1.0	31
Sep-25	8.16	7.2	1.0	34
Oct-25	8.40	8.8	1.0	31
Nov-25	8.37	8.7	1.0	39
Dec-25	7.82	8.5	1.0	58
Jan-26	7.67	8.6	1.0	47
Feb-26	8.06	8.6	1.0	49
Mar-26	8.28	7.5	1.0	58

## MARKANDA RIVER

River Markanda U/s Kala Amb				
Month	pH	D.O. mg/l	BOD mg/l	F.C. MPN /100ml
Jan-24	8.13	8.2	1.8	46
Feb-24	8.34	8.0	1.8	49
Mar-24	8.20	7.9	1.7	92
Apr-24	8.45	7.3	2.5	130
May-24	8.31	7.7	1.5	70
Jun-24	7.85	7.7	1.8	94
Jul-24	8.10	7.2	1.5	70
Aug-24	8.14	7.9	1.2	32
Sep-24	7.71	7.4	1.5	140
Oct-24	8.05	8.2	1.7	46
Nov-24	8.12	8.2	1.9	33
Dec-24	8.12	8.2	1.8	43
Jan-25	8.15	8.4	1.4	120
Feb-25	8.12	8.3	1.5	94
Mar-25	7.93	8.3	1.6	70
Apr-25	7.68	8.1	1.1	84
May-25	7.82	8.1	1.0	84
Jun-25	7.86	8.1	1.4	63
Jul-25	7.80	8.1	1.0	70
Aug-25	8.04	8.0	1.0	84
Sep-25	8.12	7.8	1.0	94
Oct-25	8.33	8.1	1.0	70
Nov-25	8.33	7.8	1.0	94
Dec-25	8.23	8.0	1.2	84
Jan-26	8.04	7.4	1.4	140
Feb-26	8.00	7.9	1.2	84
Mar-26	7.92	8.0	1.0	84

River Markanda D/s Kala Amb				
Month	pH	D.O. mg/l	BOD mg/l	F.C. MPN /100ml
Jan-24	7.75	8.1	2.0	110
Feb-24	8.32	7.8	2.0	94
Mar-24	8.15	7.8	1.8	140
Apr-24	8.49	7.4	2.7	140
May-24	8.38	7.5	1.8	170
Jun-24	7.63	7.8	1.9	110

Jul-24	8.39	7.2	1.7	94
Aug-24	8.11	7.8	1.4	33
Sep-24	8.02	7.4	1.6	170
Oct-24	8.10	8.0	2.0	70
Nov-24	8.06	8.1	2.2	46
Dec-24	8.18	8.3	2.2	58
Jan-25	8.18	8.3	1.7	220
Feb-25	7.97	8.2	1.8	240
Mar-25	7.94	8.2	1.9	170
Apr-25	7.75	8.0	1.2	240
May-25	7.62	7.5	1.8	280
Jun-25	7.79	8.0	1.7	150
Jul-25	7.83	8.2	1.0	280
Aug-25	7.92	8.1	1.0	350
Sep-25	8.21	7.7	1.0	280
Oct-25	8.47	7.4	1.3	280
Nov-25	8.24	7.4	1.2	350
Dec-25	8.14	7.3	2.0	170
Jan-26	7.96	7.2	2.0	540
Feb-26	8.20	7.5	2.0	210
Mar-26	8.40	7.7	2.8	240

<b>Markanda R. D/s of Salani Khad</b>				
<b>Month</b>	<b>pH</b>	<b>D.O. mg/l</b>	<b>BOD mg/l</b>	<b>F.C. MPN /100ml</b>
Jan-24	7.75	8.3	1.6	40
Feb-24	8.02	8.0	1.8	94
Mar-24	8.15	8.1	1.3	49
Apr-24	8.39	8.1	2.0	170
May-24	8.29	8.2	1.8	46
Jun-24	7.84	7.9	1.4	70
Jul-24	8.17	7.4	1.6	130
Aug-24	7.88	8.0	1.1	21
Sep-24	8.01	8.2	1.4	22
Oct-24	8.07	8.4	1.7	40
Nov-24	8.20	8.3	1.5	33
Dec-24	7.74	8.3	1.8	43
Jan-25	7.90	8.5	1.5	32
Feb-25	8.05	8.4	1.5	39
Mar-25	7.99	8.2	1.8	43
Apr-25	7.61	8.3	1.6	31
May-25	7.87	8.1	1.5	31
Jun-25	8.03	8.2	1.6	84

Jul-25	7.80	8.0	1.0	41
Aug-25	7.71	8.0	1.0	58
Sep-25	7.82	8.0	1.0	63
Oct-25	8.16	8.0	1.0	48
Nov-25	8.34	7.2	1.1	47
Dec-25	8.20	7.8	1.0	58
Jan-26	7.49	6.8	1.2	63
Feb-26	8.42	7.7	1.2	94
Mar-26	8.24	7.9	1.0	94

<b>Markanda R. D/s of Moginand Nallah</b>				
<b>Month</b>	<b>pH</b>	<b>D.O. mg/l</b>	<b>BOD mg/l</b>	<b>F.C. MPN /100ml</b>
Jan-24	8.11	8.1	2.0	94
Feb-24	7.89	8.1	2.0	47
Mar-24	8.06	7.8	1.7	130
Apr-24	8.32	7.0	2.6	220
May-24	7.25	7.8	2.8	280
Jun-24	7.89	7.8	2.4	94
Jul-24	8.06	7.3	1.9	220
Aug-24	8.16	7.8	1.7	70
Sep-24	7.46	7.5	1.9	170
Oct-24	8.33	8.1	1.9	70
Nov-24	8.16	8.1	2.1	94
Dec-24	8.11	8.2	1.8	120
Jan-25	8.07	8.2	2.0	150
Feb-25	8.22	8.1	2.0	140
Mar-25	8.08	8.3	1.8	170
Apr-25	7.76	8.0	1.4	280
May-25	7.97	7.8	1.8	170
Jun-25	7.90	7.9	1.5	130
Jul-25	7.82	8.0	1.0	140
Aug-25	7.82	8.0	1.0	210
Sep-25	7.89	7.7	1.0	170
Oct-25	8.45	7.7	1.2	140
Nov-25	8.33	7.7	1.3	210
Dec-25	8.31	7.5	1.2	94
Jan-26	8.06	7.7	2.8	220
Feb-26	8.20	7.4	1.4	350
Mar-26	8.38	7.7	1.6	920

## SIRSA RIVER

River Sirsa U/s Sitomajri Nalla				
Month	pH	D.O. mg/l	BOD mg/l	F.C. MPN /100ml
Jan-24	7.63	6.3	1.4	14
Feb-24	7.73	6.2	1.4	14
Mar-24	7.63	6.1	3.2	11
Apr-24	7.25	6.8	0.6	14
May-24	7.15	6.2	0.4	4
Jun-24	6.85	6.8	0.8	7
Jul-24	7.78	6.9	10.0	>1600
Aug-24	7.82	6.8	1.4	17
Sep-24	8.23	6.3	0.3	20
Sep-24	7.18	6.2	2.4	21
Oct-24	8.21	5.5	0.4	21
Oct-24	7.67	6.4	14.0	70
Nov-24	7.73	5.9	4.2	280
Nov-24	8.30	6.3	4.2	70
Dec-24	7.62	5.6	1.6	32
Dec-24	7.87	6.1	2.1	34
Jan-25	7.74	6.1	0.4	4
Jan-25	7.38	6.8	16.0	>1600
Feb-25	7.73	6.6	1.2	11
Feb-25	7.42	5.2	2.9	280
Mar-25	7.81	5.9	2.0	49
Mar-25	7.39	5.5	2.1	33
Apr-25	7.67	6.1	2.2	39
Apr-25	7.33	5.8	2.1	33
May-25	7.96	5.0	1.8	23
May-25	7.79	6.2	1.6	33
Jun-25	7.92	6.3	2.2	8
Jun-25	7.72	6.3	0.8	4
Jul-25	7.81	6.6	2.0	13
Jul-25	7.79	6.4	1.0	13
Aug-25	7.76	6.7	1.6	79
Aug-25	7.74	6.6	1.1	13
Sep-25	7.71	6.7	1.6	22
Sep-25	7.70	6.4	2.3	33
Oct-25	7.69	6.6	2.2	79
Oct-25	7.62	6.8	1.4	33
Nov-25	7.78	6.7	2.1	240
Nov-25	7.74	6.6	1.8	79

Dec-25	7.46	6.6	2.4	33
Dec-25	7.85	6.8	2.2	13
Jan-26	7.41	6.8	1.2	23
Jan-26	7.92	6.8	2.4	33
Feb-26	7.14	6.5	1.1	33
Feb-26	7.63	6.5	1.8	23

River Sirsa D/s Nalagarh Bridge				
Month	pH	D.O. mg/l	BOD mg/l	F.C. MPN /100ml
Jan-24	7.50	6.6	2.4	26
Feb-24	7.68	6.0	9.2	>1600
Mar-24	7.52	6.6	6.2	920
Apr-24	7.62	6.3	4.4	280
May-24	7.49	6.6	2.2	4
Jun-24	7.18	6.8	1.7	4
Jul-24	8.34	6.7	3.0	280
Aug-24	7.85	6.7	1.5	24
Sep-24	8.16	6.1	0.4	40
Sep-24	7.72	5.7	1.6	6
Oct-24	7.50	5.4	2.4	49
Oct-24	7.69	5.3	2.4	39
Nov-24	8.17	5.0	3.8	47
Nov-24	8.48	5.8	3.0	47
Dec-24	7.95	5.4	2.0	33
Dec-24	7.75	5.7	2.1	40
Jan-25	7.40	3.6	17.0	>1600
Jan-25	7.63	4.5	13.0	>1600
Feb-25	7.45	4.3	6.0	920
Feb-25	7.69	4.3	7.0	>1600
Mar-25	7.41	5.6	6.0	>1600
Mar-25	7.61	4.7	8.0	>1600
Apr-25	7.37	6.1	16.0	>1600
Apr-25	7.73	6.0	16.0	>1600
May-25	7.64	5.6	4.1	280
May-25	7.65	6.3	4.8	920
Jun-25	7.71	6.9	2.0	79
Jun-25	7.71	6.5	1.2	17
Jul-25	7.63	6.6	1.5	22
Jul-25	7.86	6.5	1.6	23
Aug-25	7.60	6.6	1.2	17
Aug-25	7.82	6.8	2.2	94
Sep-25	7.73	6.4	2.2	49

Sep-25	7.69	6.8	2.1	33
Oct-25	7.68	6.7	1.5	23
Oct-25	7.56	6.6	1.4	49
Nov-25	7.82	6.2	1.9	79
Nov-25	7.23	6.5	1.8	27
Dec-25	7.96	4.7	2.2	23
Dec-25	7.92	6.8	2.7	49
Jan-26	7.88	6.6	1.5	23
Jan-26	8.04	6.7	2.4	33
Feb-26	7.62	6.6	1.4	23
Feb-26	7.88	6.4	1.6	23

River Sirsa D/s Nalagarh Town				
Month	pH	D.O. mg/l	BOD mg/l	F.C. MPN /100ml
Jan-24	7.48	6.3	2.7	17
Feb-24	7.79	6.3	3.3	11
Mar-24	7.73	6.3	3.3	22
Apr-24	7.69	6.3	3.6	170
May-24	7.56	6.5	3.2	26
Jun-24	7.30	6.7	3.4	33
Jul-24	8.28	6.7	3.4	350
Aug-24	7.46	6.7	1.2	17
Sep-24	8.15	6.2	0.4	8
Sep-24	8.02	6.0	2.5	9
Oct-24	7.56	5.3	2.3	40
Oct-24	7.51	5.2	1.8	9
Nov-24	7.71	5.2	3.0	32
Nov-24	8.46	6.5	2.8	33
Dec-24	7.86	5.6	0.4	34
Dec-24	7.60	5.5	5.1	350
Jan-25	7.53	3.5	12.0	>1600
Jan-25	7.60	4.6	15.0	>1600
Feb-25	7.54	4.0	10.0	>1600
Feb-25	7.52	4.1	6.0	>1600
Mar-25	7.52	5.4	5.6	>1600
Mar-25	7.59	4.6	7.0	>1600
Apr-25	7.50	6.1	10.0	>1600
Apr-25	7.53	6.3	19.0	>1600
May-25	7.83	5.5	3.8	130
May-25	7.48	6.4	4.6	540
Jun-25	7.74	6.5	2.0	23
Jun-25	7.60	6.5	1.1	13

Jul-25	7.79	6.7	1.4	13
Jul-25	7.51	6.6	1.7	13
Aug-25	7.74	6.6	1.9	94
Aug-25	7.59	6.7	2.6	94
Sep-25	7.86	6.6	2.1	33
Sep-25	7.63	6.8	2.0	33
Oct-25	7.80	6.7	1.3	33
Oct-25	7.68	6.7	1.3	49
Nov-25	7.94	6.2	1.4	49
Nov-25	7.34	6.5	1.6	17
Dec-25	7.41	7.3	2.0	23
Dec-25	7.46	6.8	2.5	33
Jan-26	7.56	6.6	1.6	23
Jan-26	7.53	6.5	2.2	33
Feb-26	7.14	6.7	1.5	33
Feb-26	7.16	6.6	3.2	130

River Sirsa U/s Sandholi Nallah				
Month	pH	D.O. mg/l	BOD mg/l	F.C. MPN /100ml
Jan-24	7.74	6.8	1.8	17
Feb-24	7.61	6.5	2.0	11
Mar-24	7.65	5.7	3.0	11
Apr-24	7.41	5.1	2.3	17
May-24	7.30	6.2	2.3	7
Jun-24	7.13	6.6	2.6	7
Jul-24	8.01	6.7	12.0	>1600
Aug-24	7.78	6.8	1.7	21
Sep-24	7.72	5.3	0.3	32
Sep-24	7.82	5.7	0.3	9
Oct-24	7.54	5.6	0.4	20
Oct-24	7.57	6.2	2.0	17
Nov-24	8.01	5.6	3.6	33
Nov-24	8.35	5.6	2.9	32
Dec-24	-	-	-	-
Dec-24	7.89	5.6	1.2	27
Jan-25	7.61	4.3	16.0	>1600
Jan-25	7.51	6.2	6.0	280
Feb-25	7.65	5.5	1.6	26
Feb-25	7.46	5.0	3.4	130
Mar-25	7.69	5.3	1.8	23
Mar-25	7.52	5.1	7.4	>1600
Apr-25	7.51	5.9	2.0	34

Apr-25	7.49	5.9	15.0	>1600
May-25	7.83	4.3	2.6	33
May-25	7.76	6.7	2.8	49
Jun-25	7.81	6.3	3.8	79
Jun-25	7.74	6.4	0.9	4
Jul-25	7.89	6.3	1.3	22
Jul-25	7.83	6.3	1.2	11
Aug-25	7.92	6.8	0.8	22
Aug-25	7.86	6.5	1.3	17
Sep-25	7.89	6.6	1.7	22
Sep-25	7.88	6.5	2.2	22
Oct-25	7.82	6.6	1.6	49
Oct-25	7.79	6.7	1.5	33
Nov-25	7.96	6.7	1.6	49
Nov-25	7.89	6.2	2.2	130
Dec-25	7.63	6.7	2.5	33
Dec-25	7.96	6.7	2.2	13
Jan-26	7.73	6.8	1.4	13
Jan-26	7.88	6.6	2.0	23
Feb-26	7.46	6.5	1.0	8
Feb-26	7.58	6.3	1.7	33

<b>River Sirsa D/s Housing Board Nalla</b>				
<b>Month</b>	<b>pH</b>	<b>D.O. mg/l</b>	<b>BOD mg/l</b>	<b>F.C. MPN /100ml</b>
Jan-24	7.65	2.9	12.0	>1600
Feb-24	7.74	3.1	2.9	14
Mar-24	7.54	4.8	11.0	>1600
Apr-24	7.43	4.2	15.0	>1600
May-24	6.87	4.9	22.0	>1600
Jun-24	7.08	4.3	70.0	>1600
Jul-24	8.10	6.2	22.0	>1600
Aug-24	6.66	6.2	2.5	23
Sep-24	7.88	5.0	0.6	6
Sep-24	7.51	5.1	1.8	21
Oct-24	7.64	4.5	8.0	40
Oct-24	7.74	4.7	16.0	33
Nov-24	7.57	4.8	3.2	47
Nov-24	8.12	5.4	3.4	110
Dec-24	6.93	4.5	2.4	70
Dec-24	7.21	4.5	4.0	240
Jan-25	7.27	4.5	14.0	>1600

Jan-25	7.45	5.0	110.0	>1600
Feb-25	7.19	4.6	50.0	>1600
Feb-25	7.49	3.0	30.0	>1600
Mar-25	7.26	4.9	18.0	>1600
Mar-25	7.58	3.2	16.0	>1600
Apr-25	7.18	5.4	26.0	>1600
Apr-25	7.40	5.6	22.0	>1600
May-25	7.95	3.7	32.0	>1600
May-25	7.63	5.8	38.0	>1600
Jun-25	7.91	6.2	4.0	33
Jun-25	7.68	6.2	1.4	22
Jul-25	7.98	5.9	2.2	33
Jul-25	7.77	5.9	1.8	23
Aug-25	7.97	6.2	2.8	79
Aug-25	7.73	6.3	2.1	33
Sep-25	7.92	6.5	2.6	49
Sep-25	7.86	6.2	2.6	79
Oct-25	7.92	6.3	2.1	130
Oct-25	7.93	6.8	1.6	130
Nov-25	7.82	6.1	2.5	240
Nov-25	7.64	6.2	2.2	130
Dec-25	8.03	5.8	3.2	130
Dec-25	8.02	6.3	3.5	130
Jan-26	8.11	6.3	3.2	130
Jan-26	8.14	6.2	3.2	79
Feb-26	8.06	6.6	2.0	130
Feb-26	7.96	6.2	2.8	49

River Sirsa D/s River Ratta				
Month	pH	D.O. mg/l	BOD mg/l	F.C. MPN /100ml
Jan-24	7.78	6.5	9.0	>1600
Feb-24	7.63	6.4	3.4	14
Mar-24	7.64	5.5	7.0	>1600
Apr-24	7.58	5.4	13.0	>1600
May-24	7.35	6.4	0.3	4
Jun-24	7.18	6.6	0.4	2
Jul-24	7.84	6.5	2.4	11
Aug-24	7.61	6.8	1.4	12
Sep-24	7.95	5.6	0.5	11
Sep-24	7.67	5.3	3.3	21
Oct-24	7.51	5.7	7.8	49

Oct-24	7.41	5.0	26.0	240
Nov-24	7.99	5.6	2.0	27
Nov-24	8.26	6.0	2.0	17
Dec-24	7.92	5.3	3.2	49
Dec-24	7.19	5.4	3.8	350
Jan-25	7.74	5.2	20.0	>1600
Jan-25	7.39	5.1	20.0	>1600
Jan-25	7.00	4.3	300.0	>1600
Feb-25	7.79	4.1	20.0	>1600
Feb-25	7.31	4.5	22.0	>1600
Feb-25	7.09	3.0	70.0	>1600
Mar-25	7.72	5.3	14.0	>1600
Mar-25	7.38	5.2	15.0	>1600
Mar-25	7.18	5.5	120.0	>1600
Apr-25	7.83	5.9	22.0	>1600
Apr-25	7.45	6.1	28.0	>1600
Apr-25	7.21	6.1	110.0	>1600
May-25	7.88	4.3	5.0	>1600
May-25	7.52	6.3	18.0	>1600
May-25	7.69	5.1	8.0	>1600
Jun-25	7.94	6.8	2.8	170
Jun-25	7.60	6.7	180.0	>1600
Jun-25	7.75	6.2	2.9	130
Jul-25	7.84	6.5	1.6	22
Jul-25	7.71	6.7	1.6	13
Jul-25	7.83	6.1	1.5	22
Aug-25	7.88	6.6	1.8	33
Aug-25	7.76	6.7	2.0	17
Aug-25	7.86	6.5	2.4	22
Sep-25	7.65	6.5	1.9	33
Sep-25	7.73	6.6	2.7	49
Sep-25	7.91	6.7	2.2	49
Oct-25	7.73	6.5	1.4	49
Oct-25	7.80	6.8	1.7	49
Oct-25	7.95	6.6	1.3	23
Nov-25	7.64	6.4	1.5	23
Nov-25	7.96	6.6	2.0	79
Nov-25	7.88	6.5	2.0	49
Dec-25	7.82	7.0	2.3	33
Dec-25	7.49	6.7	2.9	79
Dec-25	8.18	7.5	1.2	23
Jan-26	7.92	6.7	1.0	8
Jan-26	7.55	6.5	2.7	49

Jan-26	8.28	6.2	1.5	13
Feb-26	7.84	6.6	0.9	13
Feb-26	7.06	6.5	2.2	23
Feb-26	8.07	6.5	2.6	33

### BEAS RIVER

River Beas near bridge U/s Sujampur Town				
Month	pH	D.O. mg/l	BOD mg/l	F.C. MPN /100ml
Jan-24	8.05	8.5	2.4	20
Feb-24	8.04	8.7	2.6	430
Mar-24	7.86	7.8	1.4	210
May-24	7.32	8.6	2.2	140
Jun-24	7.74	8.7	1.8	210
Jul-24	7.69	7.0	1.7	220
Aug-24	7.89	8.0	BDL	120
Sep-24	7.93	8.8	BDL	220
Oct-24	8.08	8.9	BDL	33
Oct-24	8.08	8.9	BDL	33
Nov-24	7.55	8.9	BDL	130
Dec-24	8.09	8.9	BDL	79
Jan-25	7.86	8.7	BDL	49
Feb-25	8.05	8.8	BDL	33
Mar-25	7.89	8.9	BDL	26
Apr-25	8.09	8.9	BDL	79
May-25	8.01	8.8	BDL	79
Jun-25	8.05	8.8	BDL	79
Jul-25	8.15	8.2	1.2	79
Aug-25	8.01	8.8	1.4	170
Sep-25	8.15	8.7	1.2	140
Oct-25	8.04	8.9	BDL	110
Nov-25	8.01	8.9	BDL	110
Dec-25	8.05	9.2	BDL	94
Jan-26	8.09	8.8	BDL	33
Feb-26	8.04	9.0	BDL	49
Mar-26	8.25	8.9	BDL	46

<b>River Beas near lift irrigation scheme (I &amp; PH) Sujanpur, Bhleath (D/S) Sujanpur Town</b>				
<b>Month</b>	<b>pH</b>	<b>D.O. mg/l</b>	<b>BOD mg/l</b>	<b>F.C. MPN /100ml</b>
Jan-24	8.07	8.6	2.0	21
Feb-24	7.95	7.4	0.4	2
Mar-24	7.07	7.1	1.0	130
May-24	7.26	8.6	2.2	140
Jun-24	7.76	8.7	1.9	220
Jul-24	7.72	6.9	1.9	84
Aug-24	8.02	8.1	BDL	84
Sep-24	7.95	8.8	BDL	79
Oct-24	8.02	8.9	BDL	79
Oct-24	8.02	8.9	BDL	79
Nov-24	7.62	8.9	BDL	140
Dec-24	8.12	8.9	BDL	110
Jan-25	8.04	8.7	BDL	79
Feb-25	8.03	8.8	BDL	38
Mar-25	7.92	8.9	BDL	27
Apr-25	8.14	8.9	BDL	94
May-25	8.05	8.5	BDL	140
Jun-25	8.05	8.7	BDL	140
Jul-25	8.11	8.1	1.3	110
Aug-25	8.04	8.8	1.4	220
Sep-25	8.17	8.7	1.3	280
Oct-25	8.02	8.9	BDL	140
Nov-25	7.96	8.9	BDL	110
Dec-25	8.02	9.2	BDL	110
Jan-26	8.11	8.8	BDL	12
Feb-26	8.05	9.0	BDL	79
Mar-26	8.26	8.9	BDL	70

<b>River Beas D/S Nadaun Town after Confluence to Mann Khad</b>				
<b>Month</b>	<b>pH</b>	<b>D.O. mg/l</b>	<b>BOD mg/l</b>	<b>F.C. MPN /100ml</b>
Jan-24	7.45	8.5	2.2	26
Feb-24	7.77	8.7	2.6	350
Mar-24	7.97	8.2	2.4	1100
May-24	7.89	8.7	2.4	130
Jun-24	8.23	8.7	2.1	350
Jul-24	7.83	6.3	2.0	58

Aug-24	8.06	8.3	BDL	94
Sep-24	7.92	8.9	BDL	140
Oct-24	8.09	8.9	BDL	140
Oct-24	8.09	8.9	BDL	140
Nov-24	7.71	8.9	BDL	210
Dec-24	8.08	8.9	BDL	94
Jan-25	8.05	8.9	BDL	130
Feb-25	7.98	8.8	BDL	48
Mar-25	8.10	8.9	BDL	33
Apr-25	7.98	8.9	BDL	110
May-25	7.94	8.5	BDL	110
Jun-25	8.04	8.8	BDL	140
Jul-25	8.16	8.0	1.4	110
Aug-25	8.06	8.8	1.6	280
Sep-25	8.11	8.7	1.4	240
Oct-25	7.96	8.9	BDL	170
Nov-25	8.03	8.9	BDL	140
Dec-25	8.07	9.2	BDL	110
Jan-26	7.98	8.8	BDL	140
Feb-26	8.02	9.0	BDL	110
Mar-26	8.18	8.9	BDL	79

<b>River Beas D/s Mandi</b>				
<b>Month</b>	<b>pH</b>	<b>D.O. mg/l</b>	<b>BOD mg/l</b>	<b>F.C. MPN /100ml</b>
Jan-24	8.15	8.8	0.3	94
Feb-24	7.56	8.2	0.6	63
Mar-24	7.46	8.8	0.9	70
Apr-24	8.02	8.3	0.8	110
May-24	8.41	8.2	1.2	140
Jun-24	7.37	8.2	1.5	84
Jul-24	6.94	7.5	0.4	63
Aug-24	7.29	7.5	0.2	43
Sep-24	8.38	8.0	0.5	94
Oct-24	8.11	7.5	0.3	58
Nov-24	8.06	7.0	0.2	84
Dec-24	8.01	8.4	0.7	110
Jan-25	8.12	6.5	0.3	33
Feb-25	8.20	6.0	0.5	79
Mar-25	8.28	7.0	0.9	63
Apr-25	7.50	7.0	0.4	94
May-25	7.05	6.5	0.7	140
Jun-25	7.50	6.0	0.9	94

Jul-25	8.16	6.0	0.5	94
Aug-25	7.67	6.0	0.3	49
Sep-25	7.77	6.5	0.4	79
Oct-25	7.86	6.5	0.5	70
Nov-25	7.67	6.5	0.3	70
Dec-25	7.80	6.5	0.2	94
Jan-26	8.11	6.5	0.3	38
Feb-26	7.98	6.5	0.2	-

### SHIKARI KHAD

Shikari Khad before Conf. to R. Pabbar near HRTC Bus Stand Rohru				
Month	pH	D.O. mg/l	BOD mg/l	F.C. MPN /100ml
Jan-24	7.85	8.3	BDL	39
Feb-24	7.94	7.8	BDL	13
Mar-24	7.75	7.6	BDL	17
Apr-24	7.78	7.8	BDL	13
May-24	7.69	7.6	BDL	27
Jun-24	8.07	8.2	BDL	14
Jul-24	7.83	7.3	BDL	13
Aug-24	7.34	7.9	BDL	68
Sep-24	8.03	7.5	BDL	22
Oct-24	7.69	7.6	BDL	79
Nov-24	7.99	7.8	BDL	21
Dec-24	8.28	7.7	BDL	4
Jan-25	8.16	7.8	BDL	39
Feb-25	7.68	7.7	BDL	7
Mar-25	7.69	6.8	BDL	17
Apr-25	8.13	7.8	BDL	4
May-25	7.70	7.7	BDL	26
Jun-25	7.78	7.7	BDL	7
Jul-25	8.22	7.5	BDL	46
Aug-25	7.71	7.9	BDL	14
Sep-25	7.71	7.9	BDL	46
Oct-25	8.43	7.9	BDL	2
Nov-25	8.22	7.6	BDL	32
Dec-25	8.02	7.8	BDL	7
Jan-26	7.60	7.9	BDL	12
Feb-26	8.46	7.9	BDL	17
Mar-26	7.55	7.9	BDL	26

## PABBAR RIVER

River Pabbar at Snail D/s of TRT of Swara Kuddu				
Month	pH	D.O. mg/l	BOD mg/l	F.C. MPN /100ml
Jan-24	7.73	8.1	BDL	33
Feb-24	7.94	8.0	BDL	17
Mar-24	7.85	7.8	BDL	20
Apr-24	8.09	7.6	BDL	8
May-24	7.67	8.0	BDL	14
Jun-24	8.24	8.1	BDL	17
Jul-24	8.41	8.0	BDL	12
Aug-24	7.49	7.8	BDL	350
Sep-24	7.58	7.9	BDL	7
Oct-24	7.78	7.8	BDL	27
Nov-24	7.94	7.9	BDL	14
Dec-24	7.82	7.6	BDL	2
Jan-25	7.75	7.8	BDL	32
Feb-25	7.77	7.8	BDL	8
Mar-25	8.16	7.7	BDL	26
Apr-25	8.22	7.8	BDL	7
May-25	7.71	7.8	BDL	14
Jun-25	8.29	7.8	BDL	14
Jul-25	7.64	7.9	BDL	21
Aug-25	7.55	7.8	BDL	22
Sep-25	8.37	7.9	BDL	39
Oct-25	8.42	7.8	BDL	26
Nov-25	7.68	7.8	BDL	17
Dec-25	7.98	7.9	BDL	12
Jan-26	7.16	7.9	BDL	11
Feb-26	7.74	7.9	BDL	40
Mar-26	8.30	7.9	BDL	20

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## MINISTRY OF ENVIRONMENT AND FORESTS

## NOTIFICATION

New Delhi, the 25th September, 2000

**G.S.R. 742(E).**— In exercise of the powers conferred by sections 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government hereby makes the following rules further to amend the Environment (Protection) Rules, 1986, namely.

1. (1) These rules may be called the Environment (Protection) Amendment Rules, 2000.
- (2) Save as otherwise provided in this notification, they shall come into force on the date of their publication in the Official Gazette.
2. In the Environment (Protection) Rules, 1986,—
  - (1) In Schedule I, after serial number 89 relating to Noise standards for fire crackers and the entries relating thereto, the following serial numbers and entries shall be inserted, namely:—

**“90. Standards for coal mines****1. Air Quality Standards**

The Suspended Particulate Matter (SPM), Respirable Particulate Matter (RPM), Sulphur dioxide (SO<sub>2</sub>) and Oxides of Nitrogen (NO<sub>x</sub>) concentration in downwind direction considering predominant wind direction, at a distance of 500 metres from the following dust generating sources shall not exceed the standards specified in the Tables I, II and III given below:

**Dust Generating Sources**

Loading or unloading, Haul road, coal transportation road, Coal handling plant (CHP), Railway sliding, Blasting, Drilling, Overburden dumps, or any other dust generating external sources like coke ovens (hard as well as soft), briquette industry, nearby road etc.

**93. Primary Water Quality Criteria for Bathing Waters.**

In a water body or its part, water is subjected to several types of uses. Depending on the types of uses and activities, water quality criteria have been specified to determine its suitability for a particular purpose. Among the various types of uses there is one use that demands highest level of water quality or purity and that is termed as "Designated Best Use" in that stretch of water body. Based on this, water quality requirements have been specified for different uses in terms of primary water quality criteria. The primary water quality criteria for bathing water are specified along with the rationale in table 1.

**Table 1.**

**PRIMARY WATER QUALITY CRITERIA FOR BATHING WATER  
(Water used for organised outdoor bathing)**

CRITERIA		RATIONALE
1. Fecal Coliform MPN/100 ml:	500 (desirable) 2500 (Maximum Permissible)	To ensure low sewage contamination. Fecal coliform and fecal streptococci are considered as they reflect the bacterial pathogenicity.
2. Fecal Streptococci MPN/100 ml:	100 (desirable) 500 (Maximum Permissible)	The desirable and permissible limits are suggested to allow for fluctuation in environmental conditions such as seasonal change, changes in flow conditions etc.
2. pH:	Between 6.5 -8.5	The range provides protection to the skin and delicate organs like eyes, nose, ears etc. which are directly exposed during outdoor bathing.
3. Dissolved Oxygen:	5 mg/l or more	The minimum dissolved oxygen concentration of 5 mg/l ensures reasonable freedom from oxygen consuming organic pollution immediately upstream which is necessary for preventing production of anaerobic gases (obnoxious gases) from sediment.
4. Biochemical Oxygen demand 3 day, 27°C:	3 mg/l or less	The Biochemical Oxygen Demand of 3 mg/l or less of the water ensures reasonable freedom from oxygen demanding pollutants and prevent production of obnoxious gases";

Sr. No.	STP	Amount	Date of imposition	Violation Period	Status	EC Amount Deposited
1.	STP Lalpani	₹ 31,87,500	01-07-2022	16.03.2020 to 23.06.2020 and 22.10.2020 to 27.03.2021	Not deposited	-
2.	STP Sundernagar	₹ 12,00,000	23.07.2025	27-10-23 to 05-12-23 and 09-04-24 to 29-06-24 (120 days)	Deposited via DD	₹ 12,00,000
3.	STP Jogindernagar	₹ 25,00,000	23.07.2025	30-12-23 to 01-08-24 and 26-11-24 to 31-12-24 (250 days).	Deposited 19.01.2026	₹ 25,00,000
4.	STP Sarkaghat	₹ 5,60,000	23.07.2025	29-08-24 to 24-10-24 (56 days)	Deposited on 15.12.2025	₹ 5,60,000
5.	STP Malyana	₹ 20,62,500	23.07.2025	08-04-24 to 15-05-24, 29-05-24 to 13-08-24 and 25-10-24 to 16-12-24 (165 days)	Not deposited	-
6.	STP Lalpani	₹ 21,75,000	23.07.2025	08-04-24 to 30-07-24 and 14-08-24 to 14-10-2024 (174 days)	Not deposited	-
7.	STP Parwanoo	₹ 40,90,000	23.07.2025	31.10.2023 to 13.12.2024 (409 days)	Deposited via DD	₹ 40,90,000
8.	STP Raghunath ka Padhar	₹ 32,60,000	23.07.2025	05.12.2023 to 26.10.2024 (326 days)	Deposited on 10.12.2025	₹ 32,60,000
9.	STP Khaliyar	₹ 38,20,000	23.07.2025	26.10.2023 to 15.02.2024, 11.03.2024 to 31.08.2024 and 25.09.2024 to 31.12.2024 (382 days)	Deposited on 10.12.2025	₹ 38,20,000
10.	STP Nalagarh	₹ 21,60,000	23.07.2025	31-01-24 to 30-04-24, 27-05-24 to 30-08-24 and 31-12-24 to 31-01-25 (216 days)	Deposited on 19.01.2026	₹ 21,60,000
11.	STP BBMB Sundernagar	₹ 26,00,000	23.07.2025	from 03-01-24 to 23-07-24 and 29-08-24 to 26-10-24 4 (260 days)	Not deposited	-
12.	STP Rohru	₹ 33,50,000	23.07.2025	09-04-24 to 02-01-25 (268 days)	Deposited on 20.1.2026	₹ 33,50,000
13.	STP Dhalli	₹ 26,25,000	23.07.2025	25-04-24 to 15-06-24, 26-07-24 to 14-10-24, 26-10-24 to 16-12-24 and 30-12-24 to 27-01-25 (210 days)	Not deposited	-
14.	STP Sundernagar	₹ 8,64,813	17.09.2025	31-01-25 to 30-05-25 and 28-06-25 to 16-07-25 (137 days)	Not deposited	-

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15.	STP Jogindernagar	₹ 10,41,563	17.09.2025	31.12.2024 to 22.01.2025 and 28.02.2025 to 26.04.2025 and 14.05.2025 to 08.08.2025 (165 days)	Not deposited	-
16.	STP Malyana	₹ 69,50,000	05-07-2022	11.10.2019 to 31.01.2022	Not deposited	-
17.	STP Sarkaghat	₹ 4,54,500	17.09.2025	19.05.2025 to 30.07.2025 (72 days)	Not deposited	-
18.	STP Malyana	₹ 16,80,703	18.09.2025	16-12-24 to 30-12-24, 15-1-25 to 12-6- 25 & 24-6-25 to 14-8-25 (213 days)	Not deposited	-
19.	STP Lalpani	₹ 23,11,438	19.09.2025	6-11-24 to 9-12-24, 30-12-24 to 12-6- 25, 24-6-25 to 14-8-25 (248 days)	Not deposited	-
20.	STP Parwanoo	₹ 14,45,563	17.09.2025	13.12.2024 to 28.05.2025 and 17.06.2025 to 19.08.2025 (229days)	Not deposited	-
21.	STP Raghunath ka Padhar	₹ 8,08,000	17.09.2025	29.01.2025 to 06.06.2025 (128 days)	Not deposited	-
22.	STP Khaliyar	₹ 11,29,938	17.09.2025	31.12.2024 to 28-06-2024 (179 days).	Not deposited	-
23.	STP Nalagarh	₹ 6,94,375	17.09.2025	31.01.2025 to 26.03.2025 and 30.04.2025 to 25.06.2025 (110days).	Deposited	16.03.2026
24.	STP BBMB Sundernagar	₹ 4,54,500	19.9.2025	29-01-25 to 23-02-25 and 30-05-25 to 16-07-25 (72 days)	Not deposited	-
25.	STP Rohru	₹ 16,88,594	17.09.2025	02.01.2025 04.08.2025 (214 days)	Not deposited	-
26.	STP Dhalli	₹ 14,99,219	18.9.25	08-04-2024 to 25-04-2024, 08-04-2024 to 25-04-2024, 27-01-2025 to 15-03- 2025, 26-03-2025 to 12-06-2025 and 27-06-2025 to 14-08-2025 (190 days)	Not deposited	-
27.	STP Malyana	₹ 59,25,000	04-05-2024	10.02.2022 to 30.05.2023	Not deposited	-
28.	STP Jubbal	₹ 13,57,188	17.09.2025	01.01.2025 04.08.2025 (215 days)	Deposited on 26.02.2026	₹ 13,57,188
29.	STP Rohru	₹ 78,87,500	4/27/2024	12.02.2021 to 8.04.2021, 28.10.2021to 25.04.2022 and 21.09.2022 to 4.01.2023	Deposited on 20.01.2026	₹ 78,87,500
30.	STP Lalpani	₹ 95,62,500	4/27/2024	27.03.2021 to 15.08.2022, 19.09.2022 to 30.05.2023	Not deposited	-

31.	STP Jubbal	₹ 44,60,000	03-03-2025	05.01.2023 to 08.03.2023, 05.04.2023 to 08.06.2023 and 20.09.2023 to 16.11.2023, 8.12.2023 to 10.01.2024, 9.04.2024 to 03-05-2024, 14-06-2024 to 1.01.2025 (446 days)	Deposited on 13.01.2026	₹ 44,60,000
	<b>Total</b>	₹ <b>8,38,05,394.00</b>				₹ <b>3,46,44,688.00</b>

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## Status of STPs

STPs in the catchment area of Sukhana Khad in Parwanoo										
STP	Sampling Date	PH	BOD	COD	FC	TSS	Nitrogen-Total (mg/L)	Phosphorus-Total	Compliance as per Hon'ble NGT norms in OA 1069 of 2018	
STP Parwanoo	19.08.25	7.36	8	96	49	51			Non-Compliant	
	26.09.25	7.69	5	68	110	16	-	-	Non-Compliant	
	Oct-25	Sample could not be collected.								
	14.11.25	8.44	14	156	>1600	34			Non-Compliant	
	Dec-25	Sample could not be collected.								
	03.01.26	7.29	4.8	68	33	11		0.804	Non-Compliant	
	03.02.26	7.07	7.2	88	49	9	0	0.247	Non-Compliant	
	18.03.2026	7.56	BDL	48	13	12		BDL	Compliant	
9.04.2026	7.56	5.4	60	33	17		BDL	Non-Compliant		

STPs in the catchment area of Ashwani Khadd									
STP Malyana	Sampling Date	PH	BOD	COD	FC	TSS	Nitrogen-Total (mg/L)	Phosphorus-Total	Compliance as per norms of Hon'ble NGT vide order dated 30.04.2019
		14-08-2025	7.45	BDL	BDL	33	15	17.01	--
22-09-2025	7.63	9	BDL	8	9.48	BDL	2	Non-Compliant	
08-10-2025	7.26	BDL	BDL	<1.8	10	10.97	0.3	Non-Compliant	
24-11-2025	7.34	BDL	BDL	<1.8	7	4.43	BDL	Compliant	
18-12-2025	7.01	BDL	20	<1.8	12	8.2	BDL	Compliant	
17-01-2026	7.76	3.2	24	47	6	31.39	2.28	Non-Compliant	
09.02.2026	7.68	2.2	28	33	9	11.31	1.83	Non-Compliant	

STP Dhalli	Sampling Date	PH	BOD	COD	FC	TSS	Nitrogen-Total (mg/L)	Phosphorus-Total	Compliance as per norms of Hon'ble NGT vide order dated 30.04.2019
	14-08-2025	7.23	BDL	8	<1.8	6	21.24	--	Non-Compliant
	22-09-2025	7.04	BDL	3.8	24	7.7	1.1	6.8	Non-Compliant
	23-10-2025	7.54	2.6	28	<1.8	11	11.68	2.25	Non-Compliant
	24-11-2025	6.93	4.8	44	<1.8	8	7.82	2.4	Non-Compliant
	18-12-2025	6.93	6	40	<1.8	17	6.71	2.75	Non-Compliant
	17-01-2026	8.08	7.6	32	70	8	17.83	2.92	Non-Compliant
	18-02-2026	7.27	6.8	40	110	10	14.62	1.48	Non-Compliant

STP Lalpani	Sampling Date	PH	BOD	COD	FC	TSS	Nitrogen-Total (mg/L)	Phosphorus-Total	Compliance as per norms of Hon'ble NGT vide order dated 30.04.2019
	14-08-2025	7.35	BDL	8	<1.8	8	19.88	--	Non-Compliant
	22-09-2025	7.02	9	BDL	20	15.63	BDL	2	Non-Compliant
	08-10-2025	7.34	BDL	8	<1.8	14	11.6	0.52	Non-Compliant
	24-11-2025	7.52	3.6	36	<1.8	7	9.48	BDL	Compliant
	18-12-2025	7.24	2.6	24	<1.8	9	8.34	0.74	Compliant
	17-01-2026	7.02	3.2	60	<1.8	17	10.35	1.88	Non-Compliant
	09-02-2026	7.42	3	24	<1.8	10	8.81	1.89	Non-Compliant

STPs in the catchment area of River Pabbar										
STP	Sr. No.	Sampling Date	PH	BOD	COD	FC	TSS	Nitrogen-Total (mg/L)	Phosphorus-Total	Compliance as per norms of Hon'ble NGT vide order dated 30.04.2019
STP Rohru	1	04-08-2025	7.33	25	216	170	70	22.72	--	Non-Compliant
	2	18-09-2025	7.07	96	68	200	35.12	0	47	Non-Compliant
	3	15-10-2025	7.1	95	300	20	208	37.04	0	Non-Compliant
	4	05-11-2025	8.42	28	216	17	236	30.45	1.98	Non-Compliant
	5	07-12-2025	7.3	20.8	72	4	50	97.08	0.77	Non-Compliant
	6	05-01-2026	7.42	11.5	88	<1.8	35	23.02	1.26	Non-Compliant
	7	05.02.2026	7.85	6.1	52	<1.8	31	14.44	0.94	Non-Compliant
STP	Sr. No.	Sampling Date	PH	BOD	COD	FC	TSS	Nitrogen-Total (mg/L)	Phosphorus-Total	Compliance as per norms of Hon'ble NGT vide order dated 30.04.2019
STP Jubbal	1	04-08-2025	6.95	25	124	<1.8	114	39.88	--	Non-Compliant
	2	19-09-2025	7.41	3	56	<1.8	44	18.4	0	Non-Compliant
	3	14-10-2025	6.55	41.5	152	17	157	27.24	0	Non-

									<b>Compliant</b>
<b>4</b>	05-11-2025	7.88	5.4	76	<1.8	54	15.48	0.84	<b>Non-Compliant</b>
<b>5</b>	07-12-2025	10.55	3.1	64	6.8	78	51.06	0.51	<b>Non-Compliant</b>
<b>6</b>	03-01-2026	9.3	12	124	<1.8	90	36.55	1.96	<b>Non-Compliant</b>
<b>7</b>	05.02.2026	7.9	7.6	60	<1.8	37	24.32	1.32	<b>Non-Compliant</b>

<b>STP in the catchment of River Sirsa &amp; River Ratta in Nalagarh and River Bald in Baddi</b>									
<b>STP</b>	<b>Sampling Date</b>	<b>PH</b>	<b>BOD</b>	<b>COD</b>	<b>FC</b>	<b>TSS</b>	<b>Nitrogen-Total (mg/L)</b>	<b>Phosphorus-Total</b>	<b>Compliance as per norms of Hon'ble NGT vide order dated 30.04.2019</b>
STP Nalagarh	22-08-2025	8.41	0	20	BDL	6			Compliant
	29-09-2025	8.39	BDL	16	4.5	30	-		<b>Non-Compliant</b>
	28-10-2025	8.4	BDL	16	4.5	22	-	-	<b>Non-Compliant</b>
	29.11.2025	7.69	BDL	16	2	BDL			Complying
	19.12.2025	7.47	BDL	20	2	5			Compliant
	21.01.2026	8.44	BDL	32	7.8	6			Compliant
	19.02.2026	8.38	BDL	16	7.8	5			Compliant
	30.03.2026	7.37	BDL	16	7.8	25			<b>Non-Compliant</b>

Beas



STP	Sampling	pH	BOD(mg/l)	COD (mg/l)	FC (MPN/100 ml)	TSS (Mg/l)	Total KJELDAHL-N	Amonical Nitrogen	Phosphorus-Total	Compliance as per norms of Hon'ble NGT vide order dated 30.04.2019
	<b>30-07-2025</b>	7.57	2.2	24	220	3	-	0.84	0.4	Complied
<b>Sarkaghat Zone B</b>	30.08.2025	7.27	2.5	28	220	10	-	3.64	<b>0.99</b>	Complied
	09.09.2025	7.82	6	70	<1.8	9	-	5.88	<b>1.8</b>	Not Complied
	22.10.2025	7.07	12	60	920	22	-	16.8	2.82	Not Complied
	10.11.2025	7.38	2.2	20	350	6	-	0.28	3.58	Not Complied
	23.12.2025	8.42	2.5	12	<1.8	80	2.8	1.12	2.5	Not Complied
	09.01.2026	7.93	2	12	<1.8	14	1.4	0.56	0.24	Complied
	05.02.2026	7.47	5	Nil	<1.8	51	Nil	1.96	4.9	Not Complied
	05.03.2026	6.82	9	60	NR	13	7	0.56	1.2	Not Complied

STP	Sampling	pH	BOD(mg/l)	COD (mg/l)	FC (MPN/100 ml)	TSS (Mg/l)	Total KJELDAHL-N	Amonical Nitrogen	Phosphorus-Total	Compliance as per norms of Hon'ble NGT vide order dated 30.04.2019
<b>STP Joginder Nagar</b>	<b>21-07-2025</b>	6.72	2.1	24	7.8	35	-	1.68	<b>&lt;0.1</b>	Not complied
	<b>08-08-2025</b>	6.62	36	96	540	60	-	19.4	<b>0.23</b>	Not complied
	30.09.2025	7.23	15	80	140	114	-	22.12	1.9	Not complied
	28.10.2025	6.91	8	40	920	37	25.2	22.96	<b>2.51</b>	Not complied

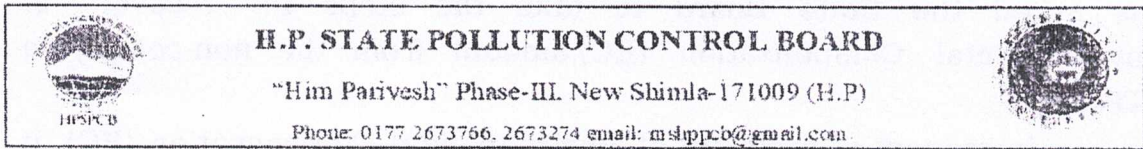
18.11.2025	7.1	63	120	920	86	37.8	28.84	4.31	Not complied
06.12.2025	7.08	12	50	920	47	15.4	8.4	0.84	Not complied
17.01.2026	6.85	14	70	140	38	-	11.2	0.66	Not complied
27.02.2026	7.03	7	46	NR	18	11.2	4.2	Nil	Not complied
29.03.2026	6.62	36	120	NR	71	22.4	18.48	2.9	Not complied

STP	Sampling	pH	BOD(mg/l)	COD (mg/l)	FC (MPN/100 ml)	TSS (Mg/l)	Total KJELDAHL-N	Amonical Nitrogen	Phosphorus-Total	Compliance as per norms of Hon'ble NGT vide order dated 30.04.2019
STP Sundernagar	16-07-2025	6.98	2	28	<1.8	8	-	0.28	0.92	Complied
	30.08.2025	7.22	3	28	13	9	-	0.56	0.75	Complied
	30.09.2025	7.48	2	10	220	16	-	0.28	0.67	Complied
	24.10.2025	7.4	2.5	20	350	6	-	1.4	1.6	Not Complied
	27.11.2025	7.15	2	14	<1.8	23	9.8	4.2	1.5	Not Complied
	31.12.2025	7.64	12	50	<1.8	27	7	4.76	0.76	Not Complied
	06.01.2026	7.53	6	42	130	8	14	11.2	1.5	Not Complied
	28.02.2026	7.22	20	80	NR	22	30.8	22.12	4.6	Not Complied
	18.13.2026	7.39	7	38	NR	12	18.2	14	1.6	Not Complied

STP	Sampling	pH	BOD(mg/l)	COD (mg/l)	FC (MPN/100 ml)	TSS (Mg/l)	Total KJELDAHL-N	Amonical Nitrogen	Phosphorus-Total	Compliance as per norms of Hon'ble NGT vide order dated 30.04.2019
BBMB, BSL, Sundernagar	16-07-2025	7.62	4	32	540	37	-	3.64	0.55	Not Complied
	30.08.2025	7.09	8	44	920	13	-	6.72	1.5	Not Complied

30.09.2025	7.12	2.8	10	920	28	-	13.16	<b>0.1</b>	Not Complied
24.10.2025	7.5	4	30	350	12	-	11.76	<b>1.39</b>	Not Complied
27.11.2025	7.2	21	42	350	32	23.8	14	1.3	Not Complied
31.12.2025	7.33	20	100	540	49	16.8	12.6	0.76	Not Complied
27.01.2026	7.23	20	130	21	81	14	10.08	0.79	Not Complied
28.02.2026	7.19	22	80	NR	23	28	13.44	1.5	Not Complied
18.03.2026	7.18	50	120	NR	43	16.8	12.32	1.6	Not Complied

*Sals*  
*SEE*



No. HPPCB-

10309-11

Dated:- 27/09/25

To

**The Deputy Commissioner (s)**  
**District Shimla, Mandi, Solan, H.P.**

**Subject: Request for recovery of Environmental Compensation in terms of the Orders dated 26.03.2025 and 26-08-2025 passed by Hon'ble NGT in O.A. No. 735/2023 titled as News Item titled "Ashwani Khad: The Most Polluted River in Himachal Pradesh" appearing in News Himachal dated 04.12.2023**

Sir,

The afore-cited matter related to water pollution in Ashwani Khad and non-compliance of Environmental norms by the Sewage treatment Plants (STPs) being operated by Jal Shakti Vibhag and SJPNL is pending before the Hon'ble NGT wherein Hon'ble NGT is monitoring the compliance of STPs in the catchment area of Ashwani Khad. The matter was listed on 26.03.2025 wherein following directions were passed :-

*"...6. We also find that along with the report on page 1956, details of compliance of norms by STPs in the catchment area of Sukhana Khad and Ashwini Khad etc; have been disclosed and many of these STPs are not complying with the norms set up by NGT by order dated 30.04.2019 (OA 1069/2018). Hence, EC is required to be imposed upon those who have failed to comply with the norms.*

*7. Learned Counsel for the HPPCB submits that a fresh report will be filed disclosing the details of EC imposed and recovered from the project proponent operating defaulting STPs. Let the report be filed in the form of affidavit within eight weeks..".*

In compliance to the directions of the Hon'ble NGT, the State Board has levied Environmental Compensation (EC) upon the non-complying STPs based upon the polluter pays principle and compliance was reported to the Hon'ble NGT. However, the Jal Shakti Vibhag and SJPNL have not deposited the EC amounts till date. Detailed list of defaulting STPs is annexed as **Annexure-1**.

The matter was again listed on 26.08.2025 wherein Hon'ble NGT has asked the State Board to take the steps for recovery of Environmental Compensation (EC) amount from the non-complying STPs.

In respect of recovery of Environmental Compensation (EC), it is pertinent to mention here that the Hon'ble NGT in various cases such as O.A. No. 199/2014 titled as Almitra H Patel vs UOI & ors. (order dated 22.12.2016), OA No. 137/2024 titled as Vijay Chandel vs. State of H.P. & ors.(Order dated 14-2-2025) etc., has directed that Environmental compensation shall be recovered as arrears of land revenue by the competent authority in accordance with law.

Accordingly, it is requested that recovery proceedings may kindly be initiated against the defaulting units mentioned in **Annexure -1** as arrear of land revenue, so that direction of Hon'ble NGT could be complied and action taken report can be filed to the Hon'ble NGT well before next date of hearing i.e. 20-11-2025.

Enclosures :

- (i) Copy of Hon'ble NGT's order dated 26-3-2025 & 26.08.2025.
- (ii) Annexure -1 Details of defaulting STPs.

(through email)

Yours faithfully

Signed by

Parveen Chander Gupta

Date: 27-09-2025 12:31:04

(Dr. Praveen Gupta)

Member Secretary

HPSPCB, Shimla

Through e-mail



**HP State Pollution Control Board**  
HIM Parivesh-Bhawan, Phase-III, New Shimla-09  
Phone No. 0177-2673766, 2673020



No. HSPSCB/WMD/OA. No. 735 of 2023 (PRS) /25-14405-412

Dated: 22/12/2025

To

The Deputy Commissioner (s)  
District- Shimla, Mandi and Solan HP

**Subject: Request for recovery of Environmental Compensation in terms of the Orders dated 26.03.2025, 26.08.2025 and 20.11.2025 passed by the Hon'ble NGT in O.A. No. 735/2023 titled as News item titled "Ashwani Khad: The Most Polluted River In Himachal Pradesh" appearing in News Himachal dated 04.12.2023.**

Sir,

This has reference to this office letter No. HPPCB-10309-11 dated 27.09.2025 on the subject cited above. You were requested to initiate recovery proceedings against the defaulting units listed in Annexure-I as arrears of land revenue, so that the Action Taken Report could be submitted before the Hon'ble NGT well before the next date of hearing, i.e., 20.11.2025. H.

Further, it is pertinent to mention here that matter was again listed in Hon'ble NGT on dated 20.11.2025, wherein following directions have been passed qua HSPSCB:

**"... Learned Counsel appearing for Himachal Pradesh State Pollution Control Board (HSPSCB) referring to the response affidavit dated 06.11.2025 has submitted that the communication dated 27.09.2025 has been sent to the concerned Revenue Authority/District Collector, i.e., Deputy Commissioner, Shimla, Deputy Commissioner, Mandi and Deputy Commissioner, Solan to initiate the recovery proceedings against the defaulting units/STP as arrears of land revenue. He is directed to file a further report in respect of the progress made for recovery of environmental compensation within six weeks....."**

In view of the above, it is once again requested that recovery proceedings as arrear of land revenue for non-deposition of Environmental Compensation may kindly be initiated against the defaulting Sewerage Treatment Plants (STPs) as mentioned in **Annexure-I**, so that directions of Hon'ble NGT could be complied and Action Taken Report can be filed to the Hon'ble NGT well before next date of hearing i.e. 12.02.2026.

Yours faithfully

**Encl.: (i) Copy of Hon'ble NGT order dated 20.11.2025  
(ii) Annexure-I, details of defaulting STPs**

Signed by

Parveen Chander Gupta

Date: 22-12-2025 11:22:27

(Dr. Parveen Chander Gupta)

Member Secretary

HP State Pollution Control Board

Copy forwarded to the following for information, compliance/action and report: -





HPSPCB

No. HPSPCB/WMD/ OA. No. 735 of 2023 (PRS) /26- 2125-34

## HP State Pollution Control Board

HIM Parivesh Bhawan, Phase-III, New Shimla-09

Phone No. 0177-2673766, 2673020

**REMINDER**



Dated: 08/05/2026

To

**The Deputy Commissioner (s)**  
Shimla, Solan and Mandi HP

**Subject: Request for recovery of Environmental Compensation in terms of the Orders dated 26.03.2025, 26.08.2025 and 20.11.2025 passed by the Hon'ble NGT in O.A. No. 735/2023 titled as News item titled "Ashwani Khad: The Most Polluted River In Himachal Pradesh" appearing in News Himachal dated 04.12.2023.**

Sir,

In continuation to this office letter No. HPPCB/WMD/O.A. No. 735 of 2023 (PRS)/25-14405-42 dated 22.12.2025 regarding recovery of Environmental Compensation imposed upon non-complying Sewerage Treatment Plants (STPs), in compliance with the Orders dated 26.03.2025, 26.08.2025, 20.11.2025, and 12.02.2026 passed by the Hon'ble National Green Tribunal in O.A. No. 735/2023 titled "News item titled 'Ashwani Khad: The Most Polluted River in Himachal Pradesh' appearing in News Himachal dated 04.12.2023."

Further, it is clarified that all requisite details pertaining to the defaulters, recoverable amounts, and the bank account details for deposit of the recovered Environmental Compensation, have already been furnished by the State Board. Further, the latest status of the STPs that have deposited the Environmental Compensation is enclosed herewith for kind information and ready reference.

It is pertinent to mention that, in its latest order dated 12.02.2026, the Hon'ble NGT has taken serious cognizance of the efforts made towards recovery of Environmental Compensation, as well as the actions taken for its imposition in cases of subsequent violations. Hence, you are requested to kindly expedite the recovery proceedings in respect of the defaulting STPs under your jurisdiction and ensure that necessary action is taken in a time-bound manner.

Further, you are requested to submit a detailed Action Taken Report indicating the status of recovery, actions initiated against defaulters, and timelines for completion, positively by 10.05.2026, so that the same may be placed before the Hon'ble Tribunal. The matter is scheduled for hearing on **22.05.2026**.

This may be treated as most urgent.

Yours faithfully

**Encs: Status of EC imposed and deposited.**

-Sd-  
**(Dr. Gopal Chand Gautam)**  
Joint Member Secretary  
HP State Pollution Control Board

Copy forwarded to the following for information, compliance/action and report: -

1. **The Secretary (Jal Shakti Vibhag) to the GoHP**, for kind information and further necessary action please.
2. **The Secretary (Env. Sci. Tech. & CC) to the GoHP** for kind information and further necessary action please.
3. **The Regional Officer(s), HPSPCB, Regional Office, Baddi, Parwanoo, Shimla and Mandi** for information and directed to take-up the matter with concerned DCs to ensure the compliance of order passed by Hon'ble NGT.
4. **The Law Officer, HPSPCB, Legal Cell, Head Office Shimla** for information and record.

Signed by

Gopal Chand Gautam

Date: 07-05-2026 17:59:39,  
(Dr. Gopal Chand Gautam)

**Joint Member Secretary**

**HP State Pollution Control Board**