

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL

PRINCIPAL BENCH, NEW DELHI

Original Application No. 735 of 2023

IN THE MATTER OF:

"In re: News Item titled "Ashwani Khad: The Most Polluted River in Himachal Pradesh" appearing in News Himachal dated 04.12.2023

S. No.	Particulars	Page No.
1.	Interim Report of CPCB in compliance to the order of Hon'ble National Green Tribunal dated 26/02/2024, in Original Application No. 735/2023; In re: News Item titled "Ashwani Khad: The Most Polluted River in Himachal Pradesh" appearing in News Himachal dated 04.12.2023	
2.	Annexure -1: A copy of Hon'ble NGT order dated 26.02.2024.	
3.	Annexure -2: A copy of email dated 14.03.2024, reminders vide emails dated 22.03.2024, 26.03.2024 & 28.03.2024.	
4.	Annexure-3: A copy of details of the STPs installed in the catchment of the Polluted River.	

**(Vishal Gandhi)**

Scientist-E

Central Pollution Control Board,
Parivesh Bhawan, East Arjun Nagar
Delhi- 110032.

Date: 06.05.2024

Place: Delhi

Interim Report of CPCB in compliance to the orders of Hon'ble National Green Tribunal dated 26/02/2024, in the matter of Original Application No. 735/2023; "In re: News Item titled "Ashwani Khad: The Most Polluted River in Himachal Pradesh" appearing in News Himachal dated 04.12.2023"

1. Background and the Orders of Hon'ble National Green Tribunal:

Hon'ble National Green Tribunal, while considering the report of Chief Secretary, Government of Himachal Pradesh on 26/02/2024, observed as follows:

Para 3: *"In the report, we also find following deficiencies:*

- i. For none of the river, information about sewage discharge, has been disclosed. For interception of sewage carrying drain; the proposals are at DPR stage only.*
- ii. Water quality criteria has been matched with respect to BOD only and no mention has been made about Fecal Coliform.*
- iii. Performance data of existing STPs has not been furnished particularly with reference to Fecal Coliform.*
- iv. For rivers like Sukhna, Markanda, Sirsa, Beas (at Mandi), channelization of river stretches has been indicated. This needs to be properly checked that they do not cause hydrological disturbances and in line with MoEF&CC approvals as required".*

Further, vide order dated 26/02/2024 (**Annexure-1**), Hon'ble National Green Tribunal directed as follows:

Para 4: Having regard to above, we direct issuance of notice to the Member Secretary, CPCB who will ensure taking of samples from the STPs releasing their treated discharge in the rivers in question and get sample analysis done and submit the sample analysis reports along with the response at least one week before the next date of hearing by e-mail at judicial-ngt@gov.in preferably in the form of searchable PDF/ OCR Support PDF and not in the form of Image PDF. The said report will specifically disclose the fecal coliform contents.

Para 5: The requisite information in respect of the performance of STPs be furnished by the CPCB in the following format:

Sewage received from	Quantity MLD	Treatment facility available (type of STP) with installed and utilization capacity	Disinfection Method	Quantity of chlorine kg/MLD	Quality of discharge MLD	Electricity consumed by STP per month	Discharge quantity MLD	Water quality at discharge point	Receiving water body	Sludge disposed tons/day	Final Disposal site of Sludge
Through sewerage								All parameter as per EP Rules including Fecal Coliform Total Coliform	Drain		
Drain/ Nalla							Nalla				
Through Septage Tankers							Land				
Other							River				
							Other				

2. Interim Report of CPCB in compliance to the Orders of Hon'ble National Green Tribunal:

In compliance to the directions of Hon'ble NGT, following actions have been taken by CPCB:

i) Himachal Pradesh State Pollution Control Board (HPSPCB) was requested to provide the details of STPs located in the catchment of the following River Stretches and release of their treated discharge in the rivers vide email dated March 14, 2024 followed by reminders vide emails dated March 22, 2024, March 26, 2024 and March 28, 2024 (**Annexure-2**):

1) Ashwani Khad of Shimla; 2) Pabbar of Rohru; 3) Shikari Khad of Rohru; 4) Giri of Sirmour; 5) Markanda of Rampur; 6) Beas of Mandi; 7) Sukhna Khad of Parwanoo; 8) Ratta of Nalagarh; 9) Bald of Baddi

ii) HPPCB vide email dated March 28, 2024, provided details of STPs in the catchment of above river stretches and release of their treated discharge in the rivers, along with consent to operate (CTO) status, location, capacity and contact details (**Annexure-3**). As per details received from HPSPCB, total 15 STPs have been installed in the catchment of 06 out of 09

river stretches as mentioned in Hon'ble NGT Order. *There are no STPs in the catchment of Shikari Khad in Rohru, River Giri in Sirmour and River Markanda in Rampur (Sirmour), as per information provided by HPSPCB.* The River Stretch wise details of STPs as provided by HPPCB are reproduced, as follows:

1. Details of STPs in the catchment area of Ashwani Khad in Shimla

S. No.	Name of the STP	Capacity in MLD	Detail of contact person	Geo Co-ordinates	Consent status
1.	STP Lalpani, Baragaon, (Ghilli), P.O. Beolia, Tehsil & District Shimla (H.P.) 171013	19.35 MLD	Er. Sanjay Thakur, JE, SJPNL 85808-74699, Er. Meharban Bharti, JEE, HPSPCB, 70187-46007	Longitude: 77.1582953 Latitude: 31.0668925	- - CTO/BOTH/RENEW/RO/2022/681231 Valid till 31.03.2024. Presently operating without valid CTO.
2.	STP Malyana, Malyana, P.O. Sanjauli, Tehsil & District Shimla (H.P.) 171006.	4.44 MLD	Er. Sanjay Thakur, JESJPNL 85808-74699, Er. Meharban Bharti, JEE, HPSPCB, 70187-46007	Longitude: 77.1910384 Latitude: 31.0815890	- - CTO/BOTH/RENEW/RO/2022/6814918 Valid till 31.03.2024. Presently operating without valid CTO.
3.	STP Dhalli, Bhattakuffer, P.O. Beolia, Tehsil & District Shimla (H.P.) 171013	0.76 MLD	Er. Navneet, JE, SJPNL 70183-17480, Er. Meharban Bharti, JEE, HPSPCB, 70187-46007	Longitude: 77.2149520 Latitude: 31.1043595	- - CTO/BOTH/RENEW/RO/2022/6813507 Valid till 31.03.2024. Presently operating without valid CTO.

2. Details of STPs in the catchment area of Pabbar River in Rohru

S. No.	Name of the STP	Capacity in MLD	Detail of contact person	Geo Co-ordinates	Consent status
1.	STP Rohru, Village, P.O. & Tehsil Rohru, District Shimla (H.P.)171207.	1.75 MLD	Er. Nitish Mahant, JE, JSV 70184-01687, Er. Meharban Bharti, JEE, HPSPCB,	Longitude: 77.7414391 Latitude: 31.1975153	- - HPPCB/CD/I&PH Rohru/07-20757-58 Valid till 31.03.2024. Presently operating without valid CTO.
2.	STP Jubbal. Village P.O. and Tehsil Jubbal and District Shimla (H.P.)	0.65 MLD	Er. Nitish Mahant, JE, JSV 70184-01687, Er. Meharban Bharti, JEE, HPSPCB, 70187-46007	Longitude: 77.6723454 Latitude: 31.1120309	- - EPPCB/CD/26/STP/Jubbal/2005/259/21-22 Valid till 31.03.2024. Presently operating without valid CTO.

3. Details of STPs in the catchment area of Shikari Khad in Rohru

S. No.	Name of the STP	Capacity in MLD	Detail of contact person	Geo Co-ordinates	Consent status
1.	There is no STP in the catchment area of Shikari River.				

4. Details of STPs in the catchment area of River Giri in Sirmour

S. No.	Name of the STP	Capacity in MLD	Detail of contact person	Geo Co-ordinates	Consent status
1.	There is no STP in the catchment area of Giri River in Sirmour.				

5. Details of STPs in the catchment area of River Markanda in Rampur (Sirmour)

S. No.	Name of the STP	Capacity in MLD	Detail of contact person	Geo Co-ordinates	Consent status
1.	There is no STP in the catchment area of River Markanda at Rampur				

6. Details of STPs in the catchment area of River Beas of Mandi

S. No.	Name of the STP	Capacity in MLD	Detail of contact person	Geo Co-ordinates	Consent status
1.	STP Sarkaghat Zone-B, Tehsil. Sarkaghat, Distt. Mandi	0.7	Er. Vivek Hazri, JSV Sarkaghat 9418454637	31°42' 45.5904"N 76°43'44.1912" E	CTO has expired on 31.03.2024 and Not applied for its renewal till date.
2.	STP Joginder Nagar, Vill. Masaharu, P.O Jogindernagar	1.74	Er. Parkash Chand 8580628528	31° 58' 54.732" N 76° 47' 48.588" E	CTO No. HPPCB/stp JOGINDER Nagar/15-20164-65, valid till 31.03.2025.
3.	Bhakra Beas Management Board, Pandoh (STP at Pandoh), Township Division, BBMB Pandoh, Mandi	1	Er. Vivek Chopra, Executive Engineer, BBMB Pandoh	Lat. 31.688777 Long. 77.042705	Not obtained
4.	STP at Raghunath ka Padhar, NH-20 Sain Mohalla, Mandi H.P	3.83	Jal Shakti Vibhaag, Mandi. Er. Rohit Gupta, AE JSV Mandi 9418466551	Lat. 31.72395 Long. 76.93306	CTO has expired on 31.03.2021 and applied for its renewal with application no. 4261198.
5.	STP at Khaliar	0.47	Er. Rohit Gupta, AE JSV Mandi 9418466551	Lat. 31.724663 o Long. 76.934813	CTO has expired on 31.03.2021 and applied for its renewal with application no. 4610777.
6.	STP Sundernagar, Ward No. 10, Ropa, Tehsil. Sundernagar Distt. Mandi.	3.55	Er. Rajat Garg, Executive Engineer, JSV Sundernagar 9418047872	31°32'42.3456" N 76°53'41.4924" E	CTO has expired on 31.03.2024 and not applied for its renewal till date.
7.	Bhakhra Beas Management Board, BSL (P) BBMB Sunder Nagar, Sundernagar, Mandi	1.0	Er. Ishan, JE, BBMB Sundernagar	Lat. 31.550359 Long: 76.894087	CTO No. 7176360 valid till 31.03.2026

7. Details of STPs in the catchment area of Sukhna Khad in Parwanoo

S. No.	Name of the STP	Capacity in MLD	Detail of contact person	Geo Co-ordinates	Consent status
1.	STP Zone-I (Jal Shakti Vibhag), Near HPMC Sector 02, Parwanoo (Solani)	01 MLD	Mr. Bhuvnesh, JE, Jal Shakti Vibhag 077279-90425 Er. Punesh, JEE, HPSPCB 70183-50429	Longitude: - 76.9472951 Latitude: - 30.8428778	

8. Details of STPs in the catchment area of River Ratta in Nalagarh

S. No.	Name of the STP	Capacity in MLD	Detail of contact person	Geo Co-ordinates	Consent status
1.	Executive Engineer IPH Nalagarh Distt. Solan HP. (Jal Shakti)	3.62 MLD	Er. Mewa Singh JE, 9816816360 IPH Nalagarh, Er. Roop Lal, JEE HPSPCB Baddi 9805395251	Latitude: - 31.024606, Longitude: - 76.682922	Valid upto 31/03/2021 and applied. Presently operating without valid CTO.

9. Details of STPs in the catchment area of River Bald/Sarsa in Baddi

S. No.	Name of the STP	Capacity in MLD	Detail of contact person	Geo Co-ordinates	Consent status
1.	Baddi Infrastructure, (CETP), Village Kenduwal (Baddi) Tehsil Baddi Distt Solan H.P.	5.5 MLD (STP) And 25 MLD (CETP)	Sanjeev Kumar Executive Process, 9816130824, Baddi Infrastructure, Er. Abhishek Thakur, JEE HPSPCB Baddi 8278790215	Latitude:- 30.937629, Longitude:- 76.773242	Valid upto 31/03/2020 and applied. Presently operating without valid CTO.

iv) Samples were collected from from Inlet and Outlet of 14 of the above 15 STPs listed above during April 8-9, 2024 and with the objective of analysis for parameter such as pH, BOD, COD, TSS, Total Nitrogen, Total Coliform, Fecal Coliform. One STP namely Bhakra Beas Management Board, Pandoh (STP at Pandoh), Township Division, BBMB Pandoh, Mandi, was found non-operational for the last one year due to non-availability of sewage on account of limited number of families residing in the BBMB colony, as informed by the representative of the BBMB STP.

v) Results of Analysis :

Out of total 15 STPs, 14 Nos. STPs were monitored by CPCB Teams. Status of analysis of samples collected are summarised below –

- Analysis of **six STPs** located in the catchment of **River Beas in Mandi** are under process at CPCB laboratory.
- All the results of analysis including Faecal Coliform have been received for the three STPs located in the catchment of **Ashwani Khad** (*STP Lalpani, District Shimla, STP Malyana, District Shimla, STP Dhalli, District Shimla*) and two STPs located in the catchment of **Pabbar River in Rohru** (*STP Rohru, Village, District Shimla, STP Jubbal, District Shimla*)
- All the results **except Faecal Coliform** for the STPs located in the catchment of **Sukhana Khad in Parwanoo** (*JSV, Zone-1 STP, Parwanoo*), **River Ratta in Nalagarh** (*STP Nalagarh*) and **River Bald / River Sarsa in Baddi** (*CETP cum STP Baddi*) have been received.
- The analytical results are presented in **Table 1**.

vi) Performance of STPs:

CPCB was directed by Hon'ble NGT to furnish the requisite information in respect of the performance of STPs in the format prescribed in the NGT Order. As per directions of Hon'ble NGT, information on quantity of sewage treated, treatment facility available (type of STP) with installed capacity and utilization capacity, disinfection method, quantity of chlorine kg/MLD, quality of discharge MLD, electricity consumed by STP per month, discharge quantity MLD, water quality at discharge point, receiving water body, sludge disposed tons/day, final disposal site of sludge were collected from each STP. The details of STPs as per the format provided by Hon'ble NGT is tabulated in **Table 2**.

a) Status of STPs located in the catchment of Ashwani Khad in Shimla

- i. As mentioned above, 03 STPs are installed in the catchment of Ashwani Khad. 02 STPs are designed on SBR based technology, 01 STP is designed on ASP.
- ii. Disinfection facility is available in all three STPs and chlorination being carried out.
- iii. Treated water of all 03 STPs are discharged into Nalla leading to Ashwani Khad.
- iv. Records for sludge disposal were only maintained by 01 STP namely STP Malyana. In remaining 02 STPs, records of Sludge disposal were not maintained. As reported, sludge was given to farmers.
- v. Electricity consumption for March 2024 was reported in the range of 27531 KWh to 56413 KWh
- vi. In terms of performance, 02 STPs (Lalpani, Malyana) are found non-complying for concentration parameters (BOD, COD, T-N, TSS and Fecal Coliform) and 01 STP at Dhali is found non complying for concentration parameters (BOD, COD, T-N and Fecal Coliform) wrt to the prescribed norms by Hon'ble NGT vide order dated 30.04.2019.

b) Status of STPs located in the catchment of Pabbar River in Rohru

- i. 02 STPs are installed in catchment of Pabbar River in Rohru. 01 STPs namely STP Rohru is designed on MBBR based technology and STP Jubbal is designed on EA.

- ii. Disinfection facility is available in all 02 STPs and chlorination being carried out.
- iii. Treated water of these 02 STPs are discharged into Nalla leading to Pabbar River.
- iv. Records of Sludge disposal were not maintained by concerned agency.
- v. Electricity consumption for March 2024 was reported in the range of 1639 KWh to 7830 KWh
- vi. In terms of performance, both STPs are found non-complying for concentration parameters (BOD, COD, T-N, TSS and Fecal Coliform) wrt to prescribed norms of Hon'ble NGT vide order dated 30.04.2019

c) Status of STPs located in the catchment of Sukhana Khad in Parwanoo

- i. 01 STP is installed in catchment of Sukhana Khad which is designed on MBBR technology.
- ii. Disinfection facility is available in the STP and chlorination being carried out.
- iii. Treated water of STP is discharged into drain leading to Sukhana Khad.
- iv. Records for sludge disposal was maintained by the STP. As reported, sludge was utilized for Soil application in gardening within the premises of STP.
- v. Electricity consumption for March 2024 was reported 21109 KWh
- vi. In terms of performance, STP is found non-complying for concentration parameters (BOD, COD, T-N, TSS and Fecal Coliform) wrt to prescribed norms by Hon'ble NGT vide order dated 30.04.2019.

d) Status of STPs located in the catchment of River Ratta in Nalagarh

- i. As mentioned above, there is 01 STP installed in catchment of River Ratta in Nalagarh designed on SBR based technology.
- ii. Disinfection facility is available in the STP and chlorination is being carried out.
- iii. Treated water is discharged into Nalla leading to River Ratta.
- iv. Records for sludge disposal were maintained by STP. As reported, sludge was given to parks of Irrigation and Public Health Department.
- v. In terms of performance, STP is found non-complying for concentration parameters (BOD, COD, T-N, TSS and Fecal Coliform) wrt to prescribed norms by Hon'ble NGT vide order dated 30.04.2019 except pH.

e) Status of STPs located in the catchment of River Bald / Sarsa in Baddi

- i. There is 01 CETP cum STP installed in catchment of Bald / Sarsa, which is designed on EAT (Extended Aeration Tank) based technology.
- ii. Disinfection facility is not available in the STP.
- iii. Treated water of the STP is discharged into Drain leading to Sarsa River.
- iv. Records for sludge disposal was maintained by the STP. As reported, sludge was disposed in TSDF.
- v. Electricity consumption for March 2024 was reported 722610 KWh
- vi. In terms of performance, this CETP cum STP found non-complying for concentration parameters (BOD, COD and TSS) as specified in MoEF&CC Notification dt. 01/01/2016 for CETP. As per CTO, HPSPCB has prescribed norms of CETP for discharge of treated effluent.

f) Status of STPs located in the catchment of River Beas of Mandi,

- i. There are 07 STPs installed in catchment of River Beas of Mandi. 04 STPs are designed on Extended Aeration based technology, 01 STP are designed on MBBR, 01 STP is designed on Sedimentation cum Settling Tank with Chlorination. And 01 STP is non-operational for last 1 year.
- ii. Disinfection facility is available in the 06 STPs and chlorination is being carried out.
- iii. Treated water from Sarkaghat STP is discharged into Paplog Nalla towards Sone Khad; STP Joginder Nagar discharging treated wastewater into Neri Khad tributary. Discharges of said STPs finally meets into river Beas; 02 STPs (Ward No. 10 Ropa Tehsil Sundernagar and BBMB Township, Sundernagar) discharging treated wastewater into Ghangal Khad (tributary of Sukhedi Khad). Discharges of said STPs finally meets into river Beas; 02 STPs (Raghunath Ka Padhar and Khaliar) is discharging treated wastewater directly into River Beas.
- iv. Electricity consumption for March 2024 was reported in the range of 1157 KWh to 19672 KWh
- v. Records for sludge disposal were only maintained by 01 STP namely STP Khaliar, and sludge was given to farmers. In remaining 05 STPs, records of Sludge disposal were not maintained.

It is humbly submitted that analysis of samples from 06 STPs are in progress for various parameters and expected to be completed by 10.05.2024. Accordingly, Hon'ble NGT may kindly consider granting time for 02 weeks to submit final report along with all analysis results.

Table 1: Results of analysis of the samples collected from various STPs located in the catchment of River Stretched under reference in the NGT Order.

Name of the River Stretch	Name of the STP	pH		COD (mg/L)		BOD (mg/L)		TSS (mg/L)		Total Nitrogen (mg/L) (TKN +nitrate+nitrite)		TC (MPN/100ml)		FC (MPN/100ml)	
		I	O	I	O	I	O	I	O	I	O	I	O	I	O
	* Prescribed Standard (NGT)	5.5-9.0		50 mg/L		10 mg/L		20 mg/L		10mg/L				<230	
Ashwani Khad in Shimla	STP Lalpani, District Shimla (H.P.)	6.7	7.2	1261	582	521	249	515	118	68.5	74.9	16x10 ¹⁴	92x10 ¹³	16x10 ¹⁴	54 x 10 ¹³
	STP Malyana, District Shimla (H.P.)	6.8	7.3	650	118	263	37	231	27	51.5	19.51	54x10 ¹²	92x10 ⁸	35x10 ¹²	61x10 ⁶
	STP Dhalli, District Shimla (H.P.)	6.9	7.3	806	105	370	33	302	BDL	87.8	26.94	35x10 ¹²	24x10 ⁷	35x10 ¹²	13x10 ⁷
Pabbar River in Rohru	STP Rohru, Village, District Shimla (H.P.)	6.7	7.8	1119	431	462	177	358	222	75.2	35.9	16x10 ¹⁴	47x10 ¹⁰	16x10 ¹⁴	14x10 ¹⁰
	STP Jubbal, District Shimla (H.P.)	6.5	7.4	590	275	237	90	210	94	39.7	37	16x10 ¹⁴	16x10 ¹²	28x10 ¹³	92x10 ¹¹
Sukhana Khad in Parwanoo	JSV, Zone-1 STP, Near HPMC, Sector-2 Parwanoo, Himachal Pradesh.	7.4	7.9	494	135	168	47	349	37	83.5	33.74	22x10 ¹⁰	54x10 ⁵	33x10 ⁹	68x10 ³
River Ratta in Nalagarh	Executive Engineer, IPH Nalagarh, Distt. Solan, Himachal Pradesh (Jal Shakti)	7.7	7.9	642	90	271	22	334	21	87.62	23.94	43x10 ¹¹	43x10 ³	35x10 ¹¹	12x10 ³
	# Prescribed Standards (MoEF&CC)	6.0-9.0		250 mg/l		30 mg/l		100 mg/l		Not specified		Not Specified		Not specified	
		I	O	I	O	I	O	I	O	I	O	I	O	I	O
River Bald /River Sarsa in Baddi	Baddi Infrastructure (CETP Cum STP), Village kenduwal, Baddi, Distt. Solan, Himachal Pradesh	7.6	7.9	357	356	121	119	241	52	54.4	58.43	48x10 ¹⁰	17x10 ¹¹	55x10 ⁹	14x10 ¹¹

I: Inlet; O: Outlet

*NGT Standards: Norms prescribed by Hon'ble NGT vide order dt 30.04.2019 in the matter of OA no. 1069/2018 (pH – 5.5-9.0, BOD < 20mg/l, COD< 50mg/l; Faecal Coliform – desirable < 230 MPN/100 ml, Nitrogen-Total < 10 mg/l)

MoEF&CC Notification dt. 01/01/2016 for CETP (pH 6.0-9.0, BOD< 30mg/l, COD< 50 mg/l, TSS <100 mg/L)

Table 2: The Performance of STPs as per format prescribed in the orders of Hon'ble National Green Tribunal

S. No	River Stretch, as mentioned in NGT Order	Name & Address of STP	Date of Monitoring	Sewage received from (Through Sewerage/Drain/Nalla/Sepatage Tankers/Others)	Treatment facility available (Type of STP) with installed and utilization capacity			Dis-infection Method	Quantity of chlorine Kg/MLD	Quantity of Discharge MLD (Average of March, 2024), Approx	Electricity consumed by STP per month, KWh	Water quality and discharge point (All parameter as per EP Rules including FC)	Receiving water body (Drain/Nalla/L and/River)	Sludge disposed tons/day	Final disposal site of sludge
					Type	Installed Capacity, MLD, as per CTO	Utilization Capacity, MLD, Avg of Mar, 24								
1.	Ashwani Khad in Shimla	STP Lalpani, Distt. Shimla	08-04-2024	Sewerage	ASP; (Comprising of Primary, Secondary and Tertiary Treatment)	19.35	13.52	Chlorination (as Bleaching Powder dosing)	3.698 Kg/MLD (as bleaching powder) 1.20 Kg/MLD (as Chlorine)	13.52 (No Flow meter installed)	40169	Given in Table:1	Nalla leading to Ashwani Khad	No proper record maintained	Sludge beds provided, however no records of final disposal maintained.
		STP Malyana, Malyana, Distt. Shimla	08-04-2024	Sewerage	SBR; (Comprising of Primary, Secondary and Tertiary Treatment)	4.44	3.2	Chlorination (dosing through Chlorine Tonners)	11.47 Kg/MLD	3.2	56143	Given in Table:1	Nalla leading to Ashwani Khad	0.835	Given to farmers after drying on sludge drying beds.
		STP Dhalli, Distt Shimla	08-04-2024	Sewerage	SBR; (Comprising of Primary, Secondary and Tertiary Treatment)	0.76	1	Chlorination (dosing through Chlorine Tonners)	6.44 Kg/MLD	1.0 (No Flow meter installed)	27531	Given in Table:1	Nalla leading to Ashwani Khad	No proper record maintained	Given to farmers after drying on sludge drying bed

S. No	River Stretch, as mentioned in NGT Order	Name & Address of STP	Date of Monitoring	Sewage received from (Through Sewerage/Drain/Nalla/Sepatage Tankers/Others)	Treatment facility available (Type of STP) with installed and utilization capacity			Dis-infection Method	Quantity of chlorine Kg/MLD	Quantity of Discharge MLD (Average of March, 2024), Approx	Electricity consumed by STP per month, KWh	Water quality and discharge point (All parameter as per EP Rules including FC)	Receiving water body (Drain/Nalla/L and/River)	Sludge disposed tons/day	Final disposal site of sludge
2.	Pabbar River in Rohru	STP Rohru, , District Shimla	09-04-2024	Sewerage	MBBR; (Comprising of Primary, Secondary and Tertiary Treatment)	1.015	0.622	Chlorination (as Bleaching Powder dosing)	16.07 Kg/MLD (as bleaching powder) 4.87 Kg/MLD (as Chlorine)	0.622 (No Flow meter installed)	7830	Given in Table:1	Nalla leading to Pabbar River	No proper record maintained	Sludge beds provided, however no records of final disposal maintained.
		STP Jubbal, District Shimla	09-04-2024	Sewerage	EA; (Comprising of Primary, Secondary and Tertiary Treatment)	0.65	0.104	Chlorination (as Bleaching Powder dosing)	11.54 Kg/MLD (as bleaching powder) 3.48 Kg/MLD (as Chlorine)	0.161	1639	Given in Table:1	Nalla named Bishkulti Khad leading to Pabbar River	0.135	Sludge beds provided, however no records of final disposal maintained.
		STP Sarkaghat Zone-B, Tehsil. Sarkaghat, Distt. Mandi	08-04-2024	Sewerage	Extended Aeration Tank; Comprising of Primary, Secondary and Tertiary Treatment	0.7	0.27	Chlorination (as Bleaching Powder dosing)	17.92 Kg/MLD (as bleaching powder) 5.376 Kg/MLD (as Chlorine)	0.27 (No Flow meter installed)	5270	Given in Table:1	Discharge into Paplog Nalla toward Sone Khad finally submerged into Beas River	0.027	No record maintained

S. No	River Stretch, as mentioned in NGT Order	Name & Address of STP	Date of Monitoring	Sewage received from (Through Sewerage/Drain/Nalla/Sepatage Tankers/Others)	Treatment facility available (Type of STP) with installed and utilization capacity			Dis-infection Method	Quantity of chlorine Kg/MLD	Quantity of Discharge MLD (Average of March, 2024), Approx	Electricity consumed by STP per month, KWh	Water quality and discharge point (All parameter as per EP Rules including FC)	Receiving water body (Drain/Nalla/L and/River)	Sludge disposed tons/day	Final disposal site of sludge
6.	Beas of Mandi				t)										
		STP (1.73 MLD), Joginder Nagar, Distt Mandi	08-04-2024	Sewerage	Extended Aeration Tank; Comprising of Primary, Secondary and Tertiary Treatme	1.73	1.21	Chlorination (as Bleaching Powder dosing)	14.8 Kg/MLD (as bleaching powder 4.44 Kg/MLD (as Chlorine)	1.21 (No Flow meter installed)	6678	Given in Table:1	Discharge into Neri Khad tributary Beas River finally submerged into Beas River	0.028	No record maintained
		STP (1 MLD), Township Divison Distt Mandi	09-04-2024	<ol style="list-style-type: none"> STP found non-operational and was informed that the STP was non-operational for 1 year. Undertaking for non-operational STP was submitted by the representative 											

S. No	River Stretch, as mentioned in NGT Order	Name & Address of STP	Date of Monitoring	Sewage received from (Through Sewerage/Drain/Nalla/Sepatage Tankers/Others)	Treatment facility available (Type of STP) with installed and utilization capacity			Dis-infection Method	Quantity of chlorine Kg/MLD	Quantity of Discharge MLD (Average of March, 2024), Approx	Electricity consumed by STP per month, KWh	Water quality and discharge point (All parameter as per EP Rules including FC)	Receiving water body (Drain/Nalla/L and/River)	Sludge disposed tons/day	Final disposal site of sludge
		STP (3.83, Raghunath Ka Padhar NH-20, San Mohalla, District Mandi	09-04-2024	Sewerage	Extended Aeration Tank; Comprising of Primary, Secondary and Tertiary Treatment)	3.83	1.83	Chlorination (as Bleaching Powder dosing)	7.08 Kg/MLD (as bleaching powder 2.124 Kg/MLD (as Chlorine)	1.83 (No Flow meter installed)	9380	Given in Table:1	Discharge into Beas River	0.017	Storage in Pits and recycled to maintained MLSS in Aeration Tank. No records of disposal maintained
		STP 0.47 MLD), at Khaliar, Distt. Mandi	09-04-2024	Sewerage	Extended Aeration Tank; Comprising of Primary, Secondary and Tertiary Treatment)	0.47	0.34	Chlorination (as Bleaching Powder dosing)	11.8 Kg/MLD (as bleaching powder 3.54 Kg/MLD (as Chlorine)	0.34 (No Flow meter installed)	1157	Given in Table:1	Discharge into Beas River	0.012	Storage in Pits and recycled to maintained MLSS in Aeration Tank. . No records of disposal maintained
		STP (3.55 MLD), Ward No. 10, Ropa Tehsil, Sundernagar	09-04-2024	Sewerage	MBBR: Comprising of Primary, Secondary and Tertiary Treatment)	3.55	4.4	Chlorination (as Bleaching Powder dosing)	1.74 Kg/MLD (as bleaching powder 0.522 Kg/MLD (as Chlorine)	4.4 (No Flow meter installed)	19672	Given in Table:1	Discharge into Ghangal Khad (tributry of Sukhedi Khad finally submerged into Beas River	1.318	Storage in drying bed sand given to farmers.

S. No	River Stretch, as mentioned in NGT Order	Name & Address of STP	Date of Monitoring	Sewage received from (Through Sewerage/Drain/Nalla/Sepatage Tankers/Others)	Treatment facility available (Type of STP) with installed and utilization capacity			Dis-infection Method	Quantity of chlorine Kg/MLD	Quantity of Discharge MLD (Average of March, 2024), Approx	Electricity consumed by STP per month, KWh	Water quality and discharge point (All parameter as per EP Rules including FC)	Receiving water body (Drain/Nalla/L and/River)	Sludge disposed tons/day	Final disposal site of sludge
		STP(1 MLD), BBMB Township, Sundernagar	09-04-2024	Sewerage	Sedimentation cum settling tank with chlorine dosing tank	1	No Flow meter installed	Chlorination (as Bleaching Powder dosing)	2.5 Kg/MLD (as bleaching powder 0.75 Kg/MLD (as Chlorine)	No Flow meter installed	Details not provided (No separate electricity meter found at STP site)	Given in Table:1	Discharge into Ghangal Khad (tributary of Sukhedi Khad)finally submerged into Beas River	No proper record maintained	No records maintained.
4	Sukhana Khad in Parwanoo	STP Zone-I, Parwanoo (Solan)	09-04-2024	Sewerage	MBBR: Comprising of Primary, Secondary and Tertiary Treatment)	01	0.207	Chlorination (as hypochlorite dosing)	1.30 as sodium hypochlorite ; 0.659 kg/MLD as chlorine	0.113	21109	Given in Table:1	Drain leading Sukhana Khad	0.004	Soil application in gardening within the premises of STP
5	River Sarsa & River Ratta in Nalagarh	Executive Engineer IPH Nalagarh Distt. Solan HP. (Jal Shakti)	09-04-2024	Sewerage	Extended Aeration Tank; Comprising of Primary, Secondary and Tertiary Treatment	3.62	0.324	Chlorination (as Bleaching Powder dosing)	4kg as bleaching powder; 1.212 kg/MLD as chlorine	0.322		Given in Table:1	Drain leading Ratta River	0.12	Used in I&PH Parks

S. No	River Stretch, as mentioned in NGT Order	Name & Address of STP	Date of Monitoring	Sewage received from (Through Sewerage/Drain/Nalla/Sepatage Tankers/Others)	Treatment facility available (Type of STP) with installed and utilization capacity			Disinfection Method	Quantity of chlorine Kg/MLD	Quantity of Discharge MLD (Average of March, 2024), Approx	Electricity consumed by STP per month, KWh	Water quality and discharge point (All parameter as per EP Rules including FC)	Receiving water body (Drain/Nalla/L and/River)	Sludge disposed tons/day	Final disposal site of sludge
					t)										
6	River Bald / Sarsa in Baddi	Baddi Infrastructure, (CETP), Village Kenduwal (Baddi) Tehsil Baddi Distt Solan H.P.	09-04-2024	Sewerage	Extended Aeration Tank; Comprising of Primary, Secondary and Tertiary Treatment)	5.5	1.143	No disinfectant Used	No disinfectant Used	1.143 (discharged along with CETP effluent)	722610 (Consumption of entire CETP cum STP)	Given in Table:1	Drain leading Sarsa River	49.51	Disposed off in TSDF

Item No. 13

Court No. 1

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

Original Application No. 735/2023

In re: News Item titled "Ashwani Khad: The Most Polluted River in Himachal Pradesh" appearing in News Himachal dated 04.12.2023

Date of hearing: 26.02.2024

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

Respondent: Mr. Divyanshu Srivastava, Adv. for the State of Himachal Pradesh
(Through VC)
Ms. Navya Nanda, Adv. for HP SPCB (Through VC)

ORDER

1. This Original Application is registered on the basis of the news item disclosing the state of pollution of rivers and streams in Himachal Pradesh. Ashwani Khad in Shimla was found to be most polluted river in the State. It was further noted that the water quality assessed by the CPCB at 136 locations across 37 rivers in the region had revealed disturbing trends and the samples from 9 rivers and streams had witnessed the failure of meeting the requisite parameters. The rivers namely Ashwani Khad, Bald of Baddi, Giri of Sirmaur, Markanda of Rampur, Pabbar of Rohru, Ratta of Nalagarh, Shikari Khad of Rohru, Sarsa of Nalagarh and Sukhna Khad of Parwanoo were found to be exceeding the prescribed polluting standards.

2. Accordingly, the Tribunal had sought for a response from Chief Secretary, Government of Himachal Pradesh which has been submitted on 22.02.2024. Along with the said response, the revised action plan for different rivers and the status of implementation of action plan has been

enclosed. A perusal thereof reveals that though in respect of domestic sewage management, certain timelines have been mentioned but in respect of industrial effluent management, ground water management and surface water quality management, no specific particulars have been disclosed. Along with the report, the discharge analysis report from the STPs have not been enclosed. The following are the observations emerging out of report:-

- ❖ Pollution in Ashwani Khad primarily stems from the discharge of effluents from sewage treatment plants.
 - ❖ The BOD Level in Ashwani Khad escalated from 70 mg/l in 2022 to an alarming level of 80 mg/l in the current assessment making it a category of Priority V.
 - ❖ There are seven river stretches of such rivers (including Ashwani Khad in State of Himachal Pradesh). Out of them, River Ashwani Khad, Beas, Giri and Pabbar fall in Priority V.
 - ❖ BOD level of 6.8 mg/l has been observed in Ashwani Khad downstream after the confluence of Lift Nallah during year 2023 compared to 2.4 mg/l during year 2021.
3. In the report, we also find following deficiencies:-
- i. For none of the river, information about sewage discharge, has been disclosed. For interception of sewage carrying drain; the proposals are at DPR stage only.
 - ii. Water quality criteria has been matched with respect to BOD only and no mention has been made about Fecal Coliform.
 - iii. Performance data of existing STPs has not been furnished particularly with reference to Fecal Coliform.

iv. For rivers like Sukhna, Markarda, Sirsa, Beas (at Mandi), channelization of river stretches has been indicated. This needs to be properly checked that they do not cause hydrological disturbances and in line with MoEF&CC approvals as required.

4. Having regard to above, we direct issuance of notice to the Member Secretary, CPCB who will ensure taking of samples from the STPs releasing their treated discharge in the rivers in question and get sample analysis done and submit the sample analysis reports along with the response at least one week before the next date of hearing by e-mail at judicial-ngt@gov.in preferably in the form of searchable PDF/ OCR Support PDF and not in the form of Image PDF. The said report will specifically disclose the fecal coliform contents.

5. The requisite information in respect of the performance of STPs be furnished by the CPCB in the following format:-

Sewage received from	Quantity MLD	Treatment facility available (type of STP) with installed and utilization capacity	Disinfection Method	Quantity of chlorine kg/MLD	Quality of discharge MLD	Electricity consumed by STP per month	Discharge quantity MLD	Water quality at discharge point	Receiving water body	Sludge disposed tons/day	Final Disposal site of Sludge
Through sewerage								All parameter as per EP Rules including Fecal Coliform Total Coliform	Drain		
Drain/Nalla							Nalla				
Through Septage Tankers							Land				
Other							River				
							Other				

6. In the meanwhile, let the fresh affidavit on behalf of the Chief Secretary, Himachal Pradesh be filed disclosing the work completed in

terms of the timeline mentioned in the report dated 22.02.2024 and also further proposed action in view of the observations made above.

7. List on 07.05.2024.

Prakash Shrivastava, CP

Sudhir Agarwal, JM

Dr. A. Senthil Vel, EM

Dr. Afroz Ahmad, EM

February 26, 2024
Original Application No. 735/2023
SN

From: courtcasengt3@gmail.com
To: "R D Chandigarh, CPCB" <rdchandigarh.cpcb@gov.in>
Cc: "gurnam" <gurnamsingh.cpcb@nic.in>, "Narender Sharma" <narendersharma.cpcb@gov.in>, mshppcb@gmail.com
Sent: Thursday, March 28, 2024 4:45:55 PM
Subject: Fwd: NGT Matter of OA No. 735/2023; In re: News Item titled "Ashwani Khad: The Most Polluted River in Himachal Pradesh" appearing in News Himachal dated 04.12.2023

Sir,

In reference to your e-mail dated 14.03.2024 and 26.03.2024 on the above cited subject, please find enclosed herewith the requisite information pertaining to the State of Himachal Pradesh, for kind information and necessary action please.

--
--

Regards

Waste Management Division-I

**H.P. State Pollution Control Board
Head Office, Shimla-09**

From: "Narender Sharma" <narendersharma.cpcb@gov.in>
To: "mspcb-hp" <mspcb-hp@nic.in>, mshppcb@gmail.com
Cc: "gurnam" <gurnamsingh.cpcb@nic.in>, "R D Chandigarh, CPCB" <rdchandigarh.cpcb@nic.in>, "Nikita Grover" <nikitag.cpcb@gov.in>
Sent: Thursday, March 28, 2024 10:36:26 AM
Subject: Re: NGT Matter of OA No. 735/2023; In re: News Item titled "Ashwani Khad: The Most Polluted River in Himachal Pradesh" appearing in News Himachal dated 04.12.2023

3rd Reminder
Most Urgent: NGT Matter

Sirs,

With reference to the trailing emails regarding compliance of the orders of Hon'ble NGT in the matter of OA No. 735/2023; In re: News Item titled "Ashwani Khad: The Most Polluted River in Himachal Pradesh" appearing in News Himachal dated 04.12.2023, it is again again requested to provide the required information, on priority please.

Regards.

Narender

From: "Narender Sharma" <narendersharma.cpcb@gov.in>
To: courtcasengt2@gmail.com, "mspcb-hp" <mspcb-hp@nic.in>, mshppcb@gmail.com

Cc: "gurnam" <gurnamsingh.cpcb@nic.in>, "R D Chandigarh, CPCB" <rdchandigarh.cpcb@nic.in>
Sent: Tuesday, March 26, 2024 10:42:00 AM
Subject: Re: NGT Matter of OA No. 735/2023; In re: News Item titled "Ashwani Khad: The Most Polluted River in Himachal Pradesh" appearing in News Himachal dated 04.12.2023

Reminder; Most Urgent-NGT Matter

Sirs,

With reference to the trailing emails, it is again requested to provide the details of STPs releasing treated effluent into the rivers viz. **Ashwani Khad, Bald, Giri, Markanda, Pabbar, Ratta, Shikari Khad, Sarsa, Sukhna Khad and Beas.**

This may kindly be treated as most urgent.

Regards

Narender

From: "Narender Sharma" <narendersharma.cpcb@gov.in>
To: courtcasengt2@gmail.com, "mspcb-hp" <mspcb-hp@nic.in>, mshppcb@gmail.com
Cc: "gurnam" <gurnamsingh.cpcb@nic.in>, "R D Chandigarh, CPCB" <rdchandigarh.cpcb@nic.in>
Sent: Friday, March 22, 2024 8:51:17 AM
Subject: Re: NGT Matter of OA No. 735/2023; In re: News Item titled "Ashwani Khad: The Most Polluted River in Himachal Pradesh" appearing in News Himachal dated 04.12.2023

Reminder

Sirs,

This is a gentle reminder for providing the necessary feedback, as requested in the trailing email.

This may kindly be treated as most urgent being a time-bound NGT Matter.

Regards

Narender

=====

Dr. Narender Sharma
Director (Scientist 'F')
CPCB Regional Directorate
BSNL Tel Exchange, 2nd Floor
Sector 49-C, Chandigarh-160 047

From: "R D Chandigarh, CPCB" <rdchandigarh.cpcb@gov.in>
To: "mspcb-hp" <mspcb-hp@nic.in>, mshppcb@gmail.com, courtcasengt2@gmail.com
Cc: "gurnam" <gurnamsingh.cpcb@nic.in>, "Narender Sharma" <narendershama.cpcb@gov.in>
Sent: Thursday, March 14, 2024 12:26:52 AM
Subject: NGT Matter of OA No. 735/2023; In re: News Item titled "Ashwani Khad: The Most Polluted River in Himachal Pradesh" appearing in News Himachal dated 04.12.2023

URGENT: NGT Matter

To

Member Secretary
Himachal Pradesh State Pollution Control Board (HPSPCB)
Him Parivesh, Phase-III, New Shimla-171009
Sir.

This has reference to the NGT Matter of OA No. 735/2023; "In re: News Item titled "Ashwani Khad: The Most Polluted River in Himachal Pradesh" appearing in News Himachal dated 04.12.2023".

In this regard, while considering the response of Chief Secretary, Government of Himachal Pradesh, the following observations were made by the Hon'ble National Green Tribunal:

3. *In the report, we also find following deficiencies:-*
- i. *For none of the river, information about sewage discharge, has been disclosed. For interception of sewage carrying drain; the proposals are at DPR stage only.*
 - ii. *Water quality criteria has been matched with respect to BOD only and no mention has been made about Fecal Coliform.*
 - iii. *Performance data of existing STPs has not been furnished particularly with reference to Fecal Coliform.*
 - iv. *For rivers like Sukhna, Markarda, Sirsa, Beas (at Mandi), channelization of river stretches has been indicated. This needs to be properly checked that they do not cause hydrological disturbances and in line with MoEF&CC approvals as required.*

Further, the Hon'ble National Green Tribunal vide Order dated 26/02/2024 (Copy attached) directed as under:

"4. Having regard to above, we direct issuance of notice to the Member Secretary, CPCB who will ensure taking of samples from the STPs releasing their treated discharge in the rivers in question and get sample analysis done and submit the sample analysis reports along with the response at least one week before the next date of hearing by e-mail at judicial-ngt@gov.in preferably in the form of searchable PDF/ OCR Support PDF and not in the form of Image PDF. The said report will specifically disclose the fecal coliform contents."

The rivers in question, as referred in the Hon'ble NGT Order are, as follows:

- i. Ashwani Khad of Shimla
- ii. Bald of Baddi
- iii. Giri of Sirmour
- iv. Markanda of Rampur
- v. Pabbar of Rohru
- vi. Ratta of Nalagarh
- vii. Shikari Khad of Rohru
- viii. Sarsa of Nalagarh
- ix. Sukhna Khad of Parwanoo
- x. Beas of Mandi

CPCB has been directed by Hon'ble NGT to provide information in respect of the performance of STPs, which are releasing their treated effluents into the above rivers.

Therefore, it is requested that the details of the STPs installed in the catchment of the above rivers and discharging their treated effluent into these rivers (Including Address, Contact details, Geo-coordinates, Capacity, Status of Consent to Operate etc) may be provided to CPCB latest by 21/03/2024 at narendersharma.cpcb@gov.in and rdchandigarh.cpcb@nic.in, enabling CPCB to assess the performance of these STPs and file the report within the time-line given by Hon'ble National Green Tribunal.

Being a time-bound NGT Matter, a prompt feedback will be highly appreciated.

Thanking you.

Regional Director
CPCB Regional Directorate
BSNL Tel Exchange, 2nd Floor
Sector 49-C, Chandigarh

I. Details of STPs in the catchment area of Sukhana Khad in Parwanoo

Sr. No.	Name of STP	Capacity in MLD	Detail of contact person	Geo Co-ordinates	Consent status
1.	STP Zone-I (Jal Shakti Vibhag), Near HPMC Sector-02, Parwanoo (Solan)	01 MLD	Mr. Bhuvnesh, JE, Jal Shakti Vibhag 077279-90425 Er. Punesh, JEE, HPSPCB 70183-50429	Longitude:- 76.9472951 Latitude:- 30.8428778	31.03.2023

II. Details of STPs in the catchment area of Ashwani Khad in Shimla

Sr. No.	Name of STP	Capacity in MLD	Detail of contact person	Geo Co-ordinates	Consent status
1.	STP Lalpani, Baragaon, (Ghilli), P.O. Beolia, Tehsil & District Shimla (H.P.) 171013	19.35 MLD	Er. Sanjay Thakur, JE, SJPNL 85808-74699, Er. Meharban Bharti, JEE, HPSPCB, 70187-46007	Longitude:- 77.1582953 Latitude:- 31.0668925	31-03-2024
2.	STP Dhalli, Bhattakuffer, P.O. Beolia, Tehsil & District Shimla (H.P.) 171013	0.76 MLD	Er. Navneet JE, SJPNL 70183-17480, Er. Meharban Bharti, JEE, HPSPCB, 70187-46007	Longitude:- 77.2149520 Latitude:- 31.1043595	31-03-2024
3.	STP Malyana, Malyana, P.O. Sanjauli, Tehsil & District Shimla (H.P.) 171006.	4.44 MLD	Er. Sanjay Thakur, JESJPNL 85808-74699, Er. Meharban Bharti, JEE, HPSPCB, 70187-46007	Longitude:- 77.1910384 Latitude:- 31.0815890	31-03-2024

III. Details of STPs in the catchment area of Pabbar River in Rohru

Sr. No.	Name of STP	Capacity in MLD	Detail of contact person	Geo Co-ordinates	Consent status
1.	STP Rohru, Village, P.O. & Tehsil Rohru, District Shimla (H.P.)171207.	1.75 MLD	Er. Nitish Mahant, JE, JSV 70184-01687, Er. Meharban Bharti, JEE, HPSPCB, 70187-46007	Longitude:- 77.7414391 Latitude:- 31.1975153	31-03-2021
2.	STP Jubbal. Village P.O. and	0.65 MLD	Er. Saurav Ghezta, JE, JSV	Longitude:- 77.6723454	31-03-2024

	Tehsil Jubbal and District Shimla (H.P.)		944407276, Er. Meharban Bharti, JEE, HPSPCB, 70187-46007	Latitude:- 31.1120309	
--	--	--	---	--------------------------	--

IV. Details of STPs in the catchment area of Shikari Khad in Rohru

Sr. No.	Name of STP	Capacity in MLD	Detail of contact person	Geo Co-ordinates	Consent status
1.	There is no STP in the catchment area of Shikari River				

V. Details of STPs in the catchment area of River Giri in Sirmour

Sr. No.	Name of STP	Capacity in MLD	Detail of contact person	Geo Co-ordinates	Consent status
1.	There is no STP in the catchment area of Giri River in Sirmour				

VI. Details of STPs in the catchment area of River Markanda in Rampur (Sirmour)

Sr. No.	Name of STP	Capacity in MLD	Detail of contact person	Geo Co-ordinates	Consent status
1.	There is no STP in the catchment area of River Markanda at Rampur				

VII. Details of STPs in the catchment area of River Sarsa & River Ratta in Nalagarh and River Bald in Baddi

Sr. No.	Name of STP	Capacity in MLD	Detail of contact person	Geo Co-ordinates	Consent status
1.	Executive Engineer IPH Nalagarh Distt. Solan HP. (Jal Shakti)	3.62 MLD	Er. Mewa Singh JE, 9816816360 IPH Nalagarh, Er. Roop Lal, JEE HPSPCB Baddi 9805395251	Latitude:- 31.024606, Longitude:- 76.682922	31/03/2021 and applied.
2.	Baddi Infrastructure, (CETP), Village Kenduwal (Baddi) Tehsil Baddi Distt Solan H.P.	5.5 MLD (STP) And 25 MLD (CETP)	Sanjeev Kumar Executive Process, 9816130824, Baddi Infrastructure, Er. Abhishek Thakur, JEE HPSPCB Baddi 8278790215	Latitude:- 30.937629, Longitude:- 76.773242	31/03/2020 and applied.

VIII. Details of STPs in the catchment area ~~441~~ **441** River Beas of Mandi

Sr. No.	Name of STP	Capacity in MLD	Detail of contact person	Geo Co-ordinates	Consent status
1.	STP at Raghunath ka Padhar, NH-20 Sain Mohalla, Mandi H.P	3.83	Jal Shakti Vibhaag, Mandi. Er. Rohit Gupta, AE JSV Mandi 9418466551	Lat. 31.72395° Long. 76.93306 °	31.03.2021
2.	STP at Khaliar	0.47		Lat. 31.724663 ° Long. 76.934813	
3.	Bhakra Beas Management Board Pandoh (STP at Pandoh), Township Division, BBMB Pandoh Distt. Mandi.	1.0	Er. Vivek Chopra, Executive Engineer, BBMB Pandoh	Lat. 31.688777 Long: 77.042705	Not obtained
4.	STP Sundernagar, Ward No. 10, Ropa, Tehsil. Sundernagar Distt. Mandi.	3.55	Er. Rajat Garg, Executive Engineer, JSV Sundernagar 9418047872	31°32'42.3456" N 76°53'41.4924" E	31.03.2024
5.	STP Sarkaghat Zone-B, Tehsil. Sarkaghat, Distt. Mandi	0.7	Er. Vivek Hazri, JSV Sarkaghat 9418454637	31°42' 45.5904"N 76°43'44.1912" E	31.03.2023
6.	STP Sarkaghat-Barchwar Zone-C, Tehsil. Sarkaghat Distt. Mandi.	1.67		31°40'48.3996" N 76°43'29.9928" E	31.03.2021
7.	STP Joginder Nagar, Vill. MajAharnu, P.O Jogindernagar	1.74	Er. Parkash Chand 8580628528	31° 58' 54.732" N 76° 47' 48.588" E	31.03.2025
8.	Bhakhra Beas Management Board, BSL (P) BBMB Sunder Nagar, Sundernagar, Mandi-175019	1.0	Er. IShan, JE, BBMB Sundernagar	Lat. 31.550359 Long: 76.894087	31.03.2026
9.	Bhakra Beas Management Board PW (STP at Slapper), Township Division, VPO Slapper, Tehsil. Sundernagar, Distt. Mandi	1.134	ER. Giriraj Junior Engineer, 8085246405	Lat: 31.411640 Long. 76.855403	

From: courtcasengt3@gmail.com
To: "R D Chandigarh, CPCB" <rdchandigarh.cpcb@gov.in>
Cc: "gurnam" <gurnamsingh.cpcb@nic.in>, "Narender Sharma" <narendersharma.cpcb@gov.in>, mshppcb@gmail.com
Sent: Thursday, March 28, 2024 4:45:55 PM
Subject: Fwd: NGT Matter of OA No. 735/2023; In re: News Item titled "Ashwani Khad: The Most Polluted River in Himachal Pradesh" appearing in News Himachal dated 04.12.2023

Sir,

In reference to your e-mail dated 14.03.2024 and 26.03.2024 on the above cited subject, please find enclosed herewith the requisite information pertaining to the State of Himachal Pradesh, for kind information and necessary action please.

--
--

Regards

Waste Management Division-I

**H.P. State Pollution Control Board
Head Office, Shimla-09**

From: "Narender Sharma" <narendersharma.cpcb@gov.in>
To: "mspcb-hp" <mspcb-hp@nic.in>, mshppcb@gmail.com
Cc: "gurnam" <gurnamsingh.cpcb@nic.in>, "R D Chandigarh, CPCB" <rdchandigarh.cpcb@nic.in>, "Nikita Grover" <nikitag.cpcb@gov.in>
Sent: Thursday, March 28, 2024 10:36:26 AM
Subject: Re: NGT Matter of OA No. 735/2023; In re: News Item titled "Ashwani Khad: The Most Polluted River in Himachal Pradesh" appearing in News Himachal dated 04.12.2023

3rd Reminder
Most Urgent: NGT Matter

Sirs,

With reference to the trailing emails regarding compliance of the orders of Hon'ble NGT in the matter of OA No. 735/2023; In re: News Item titled "Ashwani Khad: The Most Polluted River in Himachal Pradesh" appearing in News Himachal dated 04.12.2023, it is again again requested to provide the required information, on priority please.

Regards.

Narender

From: "Narender Sharma" <narendersharma.cpcb@gov.in>
To: courtcasengt2@gmail.com, "mspcb-hp" <mspcb-hp@nic.in>, mshppcb@gmail.com

Cc: "gurnam" <gurnamsingh.cpcb@nic.in>, "R D Chandigarh, CPCB" <rdchandigarh.cpcb@nic.in>
Sent: Tuesday, March 26, 2024 10:42:00 AM
Subject: Re: NGT Matter of OA No. 735/2023; In re: News Item titled "Ashwani Khad: The Most Polluted River in Himachal Pradesh" appearing in News Himachal dated 04.12.2023

Reminder; Most Urgent-NGT Matter

Sirs,

With reference to the trailing emails, it is again requested to provide the details of STPs releasing treated effluent into the rivers viz. **Ashwani Khad, Bald, Giri, Markanda, Pabbar, Ratta, Shikari Khad, Sarsa, Sukhna Khad and Beas.**

This may kindly be treated as most urgent.

Regards

Narender

From: "Narender Sharma" <narendersharma.cpcb@gov.in>
To: courtcasengt2@gmail.com, "mspcb-hp" <mspcb-hp@nic.in>, mshppcb@gmail.com
Cc: "gurnam" <gurnamsingh.cpcb@nic.in>, "R D Chandigarh, CPCB" <rdchandigarh.cpcb@nic.in>
Sent: Friday, March 22, 2024 8:51:17 AM
Subject: Re: NGT Matter of OA No. 735/2023; In re: News Item titled "Ashwani Khad: The Most Polluted River in Himachal Pradesh" appearing in News Himachal dated 04.12.2023

Reminder

Sirs,

This is a gentle reminder for providing the necessary feedback, as requested in the trailing email.

This may kindly be treated as most urgent being a time-bound NGT Matter.

Regards

Narender

=====

Dr. Narender Sharma
Director (Scientist 'F')
CPCB Regional Directorate
BSNL Tel Exchange, 2nd Floor
Sector 49-C, Chandigarh-160 047

From: "R D Chandigarh, CPCB" <rdchandigarh.cpcb@gov.in>
To: "mspcb-hp" <mspcb-hp@nic.in>, mshppcb@gmail.com, courtcasengt2@gmail.com
Cc: "gurnam" <gurnamsingh.cpcb@nic.in>, "Narender Sharma" <narendersharma.cpcb@gov.in>
Sent: Thursday, March 14, 2024 12:26:52 AM
Subject: NGT Matter of OA No. 735/2023; In re: News Item titled "Ashwani Khad: The Most Polluted River in Himachal Pradesh" appearing in News Himachal dated 04.12.2023

URGENT: NGT Matter

To

Member Secretary
Himachal Pradesh State Pollution Control Board (HPSPCB)
Him Parivesh, Phase-III, New Shimla-171009
Sir.

This has reference to the NGT Matter of OA No. 735/2023; "In re: News Item titled "Ashwani Khad: The Most Polluted River in Himachal Pradesh" appearing in News Himachal dated 04.12.2023".

In this regard, while considering the response of Chief Secretary, Government of Himachal Pradesh, the following observations were made by the Hon'ble National Green Tribunal:

3. *In the report, we also find following deficiencies:-*
- i. *For none of the river, information about sewage discharge, has been disclosed. For interception of sewage carrying drain; the proposals are at DPR stage only.*
 - ii. *Water quality criteria has been matched with respect to BOD only and no mention has been made about Fecal Coliform.*
 - iii. *Performance data of existing STPs has not been furnished particularly with reference to Fecal Coliform.*
 - iv. *For rivers like Sukhna, Markarda, Sirsa, Beas (at Mandi), channelization of river stretches has been indicated. This needs to be properly checked that they do not cause hydrological disturbances and in line with MoEF&CC approvals as required.*

Further, the Hon'ble National Green Tribunal vide Order dated 26/02/2024 (Copy attached) directed as under:

"4. Having regard to above, we direct issuance of notice to the Member Secretary, CPCB who will ensure taking of samples from the STPs releasing their treated discharge in the rivers in question and get sample analysis done and submit the sample analysis reports along with the response at least one week before the next date of hearing by e-mail at judicial-ngt@gov.in preferably in the form of searchable PDF/ OCR Support PDF and not in the form of Image PDF. The said report will specifically disclose the fecal coliform contents."

The rivers in question, as referred in the Hon'ble NGT Order are, as follows:

- i. **Ashwani Khad of Shimla**
- ii. **Bald of Baddi**
- iii. **Giri of Sirmour**
- iv. **Markanda of Rampur**
- v. **Pabbar of Rohru**
- vi. **Ratta of Nalagarh**
- vii. **Shikari Khad of Rohru**
- viii. **Sarsa of Nalagarh**
- ix. **Sukhna Khad of Parwanoo**
- x. **Beas of Mandi**

CPCB has been directed by Hon'ble NGT to provide information in respect of the performance of STPs, which are releasing their treated effluents into the above rivers.

Therefore, it is requested that the details of the STPs installed in the catchment of the above rivers and discharging their treated effluent into these rivers (Including Address, Contact details, Geo-coordinates, Capacity, Status of Consent to Operate etc) may be provided to CPCB latest by 21/03/2024 at narendersharma.cpcb@gov.in and rdchandigarh.cpcb@nic.in, enabling CPCB to assess the performance of these STPs and file the report within the time-line given by Hon'ble National Green Tribunal.

Being a time-bound NGT Matter, a prompt feedback will be highly appreciated.

Thanking you.

Regional Director
CPCB Regional Directorate
BSNL Tel Exchange, 2nd Floor
Sector 49-C, Chandigarh