



HEAD OFFICE
Uttarakhand Pollution Control Board
"Gaura Devi Paryavaran Bhawan"
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Dehradun - April 06 2024

E-MAIL / SPEED POST

To,

Executive Director (Tech.),
National Mission for Clean Ganga (NMCG)
Department of Water Resource, River Development
& Ganga Rejuvenation, Ministry of Jal Shakti,
1stFloor, Major Dhyan Chand National Stadium
India Gate, New Delhi-110002.

Sub.: Monthly Progress Report of February, 2024 in the matter of O.A. No. 673/2018, Rejuvenation of Polluted River Stretches as per the Hon'ble National Green Tribunal orders dated 20.09.2018, 19.12.2018 & 08.04.2019-reg.

Sir,

With reference to the above subject matter, please find enclosed herewith a copy of Monthly Progress Report for the month of February, 2024 along with Annexure 1 to 3 for your kind perusal and further necessary action. The soft copy of Monthly Progress Report has already sent through E-mail at ruby.raju@nmcg.nic.in, drpravin@nmcg.nic.in, emcukcsoffice@gmail.com & eepkm.cpcb@nic.in.

Enclosed: As above.

Yours faithfully

(Dr. Parag Madhukar Dhakate)
Member Secretary

Copy to:

1. Principal Secretary, Forest, Environment and Climate Change, Govt. of Uttarakhand/ Chairman, River Rejuvenation Committee, Uttarakhand for kind information please.
2. Staff Officer to the Chief Secretary, Uttarakhand/Member Convener, Environment Monitoring Cell, Office of the Chief Secretary, Secretariat, Dehradun for kind information and necessary action please.
3. Shri P.K. Mishra, Divisional Head-WQM-I, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Shahdara, Delhi-110032 for kind information please.
4. Program Director, State Project Management Group (SPMG), Namami Gange, 105(New no 545/041), Rajpur Road, Opp. RTO Office, Dehradun (Uttarakhand) for kind information.

Member Secretary

**Monthly Progress Report in compliance of order dated 24.09.2020 of the
Hon'ble NGT in the matter of O.A. No. 673 of 2018 of the State of Uttarakhand.**

February 2024

1. OVERALL STATUS OF THE STATE:

I.	Total Population (2011)	1,00,86,292
		Urban-30,49,338
		Rural-70,36,954
II.	Estimated Sewage Generation (MLD) (2011)	Urban- 329.32 MLD, Rural-225.18 MLD (Taking Rate of Water Supply for Urban @ 135 LPCD & Rural @ 40 LPCD)

2. DETAILS OF SEWAGE TREATMENT PLANTS:

Existing no. of STPs and Treatment Capacity (in MLD)	69 STPs of 427.905 MLD treatment capacity		
	District	Installed capacity (MLD)	Capacity Utilization (MLD)
	Chamoli	9.92	3.894
	Rudraprayag	0.525	0.376
	Pauri	7.625	5.473
	Tehri	22.685	13.427
	Uttarkashi	3.00	1.983
	Haridwar	178.00	164.32
	Dehradun	148.46	60.855
	Nainital	49.45	24.71
	Almora	2.00	1.65
	Pithoragarh	6.25	1.80
	Total	427.915	278.488
Capacity Utilization of existing STPs	278.488 MLD		
MLD of sewage being treated through alternate technology	192.085 MLD Through Septic tank and Soak pit.		
No. of Operational STPs	58 Nos.		
No. of Non-Operational STPs	11 Nos. (i) 0.010 MLD STP near Temple, Badrinath (ii) 0.26 MLD STP near Bamni gaon, Badrinath (iii) 1.00 MLD STP near suspension bridge, Badrinath (iv) 1.00 MLD STP at Gangotri (v) 0.075 MLD STP near Anoop Negi School, Rudraprayag. (vi) 10 MLD STP Rusi Pond at Nainital. (vii) 0.100 MLD STP near SBI & Masjid, Rudraprayag (viii) 0.050 MLD STP at Belni Road, Rudraprayag (ix) 0.050 MLD STP near BRO Bridge, Kirtinagar (x) 5.0 MLD STP at Chorpani, Rishikesh (xi) 0.050 MLD STP near Sangam Road, Nandprayag		
No. of Complying STP's (Out of 58 Operational STPs monitored in	▪ As per standards notified by MoEF& CC: 54 ▪ As per standards prescribed by the Hon'ble NGT order		

the month of February, 2024)				dated 30.04.2019: 30			
No. of non-complying STP's (Out of 58 Operational STPs monitored in the month of February, 2024)				As per standards notified by MoEF&CC: 04 As per standards prescribed by the Hon'ble NGT order dated 30.04.2019: 28			
Standards:							
Parameters	pH	BOD (mg/L)	TSS (mg/L)	Faecal Coliform (MPN/ 100 mL)	COD (mg/L)	Total- Nitrogen (mg/L)	Total Phosphorus (mg/L)
Standards notified by the MoEF&CC	6.5-9.0	30	<100	<1000	--	--	--
Standards prescribed by the Hon'ble NGT	5.5-9.0	10	20	230	50	10	1.0

Details of existing STPs in the State during the month of February, 2024:

No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Status of STP	Compliance Status of STPs	
					As per MoEF& CC notified Standards	As per Standards prescribed by Hon'ble NGT
1.	Badrinath (Bamni Gaon) Distt.- Chamoli (Operated by: Uttarakhand Jal Sansthan)	0.26	0.050	Non - Operational	STP was non-operational due to seasonal closure.	
2.	Badrinath (Near Temple) Distt.- Chamoli (Operated by: Uttarakhand Jal Sansthan)	0.01	0.005	Non - Operational	STP was non-operational due to seasonal closure.	
3.	Badrinath (Near suspension Bridge) Distt. Chamoli (Operated by: Uttarakhand Jal Sansthan)	1.00	0.200	Non - Operational	STP was non-operational due to seasonal closure.	
4.	Joshimath (Pokhri) Distt.-Chamoli (Operated by: Uttarakhand Jal Sansthan)	1.08	0.421	Operational	Complying	Non - Complying
5.	Chamoli Ghat Distt.-Chamoli (Operated by: Uttarakhand Jal Sansthan)	0.76	0.05	Operational	Non - Complying	Non - Complying
6.	Chamoli (Near Suspension bridge) Distt. Chamoli (Operated by: Uttarakhand Jal Sansthan)	0.05	0.010	Operational	Non - Complying	Non - Complying

7.	Gopeshwar (Vivekanand Colony) Distt.-Chamoli (Operated by: Uttarakhand Jal Sansthan)	1.19	0.50	Operational	Complying	Complying
8.	Baiterni, Gopeshwar (DeenDayalUpadhayay Park), Distt.-Chamoli (Operated by: Uttarakhand Jal Sansthan)	1.12	0.075	Operational	Complying	Non - Complying
9.	Gopeshwar (Pokhari Band) Distt.-Chamoli (Operated by: Uttarakhand Jal Sansthan)	1.25	0.50	Operational	Complying	Non - Complying
10.	Nandprayag (Sangam Road) Distt.-Chamoli (Operated by: Uttarakhand Jal Sansthan)	0.05	0.015	Non - Operational	STP found non – operational due to mechanical issue. (Date of inspection – 07.02.2024)	
11.	Nandprayag (Forest office) Distt.-Chamoli (Operated by: Uttarakhand Jal Sansthan)	0.10	0.09	Operational	Non- Complying	Non-Complying
12.	Karanprayag (Police chowki) Distt.-Chamoli (Operated by: Uttarakhand Jal Sansthan)	0.05	0.05	Operational	Complying	Non-Complying
13.	Karanprayag (Purana pull) Distt.-Chamoli (Operated by: Uttarakhand Peyjal Nigam)	0.10	0.072	Operational	Complying	Non - Complying
14.	Karanprayag (Ward no. 1&3) Distt.-Chamoli (Operated by: Uttarakhand Peyjal Nigam)	0.10	0.047	Operational	Complying	Non - Complying
15.	Karanprayag (Subhash Nagar) Distt.-Chamoli (Operated by: Uttarakhand Jal Sansthan)	0.05	0.02	Operational	Complying	Non - Complying
16.	Karanprayag (Naya Pull) Distt.-Chamoli (Operated by: Uttarakhand Peyjal Nigam)	0.05	0.029	Operational	Complying	Complying

17.	Rudraprayag (Near AnoopNegi School), Distt. – Rudraprayag (Operated by: Uttarakhand Jal Sansthan)	0.075	0.075	Non-Operational	Due to heavy landslides on dt 10.09.2021 nala tapping works and STP foundation damaged, so as a precautionary measures, all equipment's dismantled from STP. DPR for restoration work has been submitted to NMCG. Approval is awaited.	
18.	Rudraprayag (Near Rudra Complex), Distt- Rudraprayag (Operated by: Uttarakhand Peyjal Nigam)	0.10	0.08	Operational	Complying	Complying
19.	Rudraprayag (Near Bus Stand) Distt.-Rudraprayag (Operated by: Uttarakhand Peyjal Nigam)	0.075	0.069	Operational	Complying	Non - Complying
20.	Rudraprayag (Near SBI & Maszid), Distt-Rudraprayag (Operated by: Uttarakhand Peyjal Nigam)	0.10	0.016	Non - Operational	STP found non – operational during the time of visit. Date of Inspection – 13.02.2024)	
21.	Rudraprayag (Near Steel Bridge), Distt- Rudraprayag (Operated by: Uttarakhand Jal Sansthan)	0.125	0.125	Operational	Complying	Non - Complying
22.	Rudraprayag (Belani) Distt-Rudraprayag (Operated by: Uttarakhand Peyjal Nigam)	0.05	0.011	Non - Operational	STP found non – operational due to power failure and also DG set was not working Date of inspection – 13.02.2024)	
23.	Kirtinagar (BRO Bridge), Distt.- Tehri (Operated by: Uttarakhand Jal Sansthan)	0.05	0.03	Non - Operational	STP found non – operational due to power failure and also DG set was not working Date of inspection – 12.02.2024)	
24.	Kirtinagar (Near Temple), Distt- Tehri (Operated by: Uttarakhand Jal Sansthan)	0.01	0.01	Operational	Complying	Non - Complying
25.	Bhagirathipuram, Distt. -Tehri (Operated by: Uttarakhand Jal Sansthan)	5.00	2.50	Operational	Complying	Non-Complying
26.	Chorpani, Dhalwala, Distt.-Tehri (Operated by: Uttarakhand Peyjal Nigam)	5.00	2.63	Non - Operational	STP found Non-operational as no effluent/sewage is reaching to the plant because of breakdown of Main pumping station (MPS) pump. Date of Inspection - 06-02-2024	

27.	Chandreshwar Ghat, Dhalwala, Distt.-Tehri (Operated by: Uttarakhand Peyjal Nigam)	7.50	7.032	Operational	Complying	Complying
28.	Tapovan, Rishikesh Distt.-Tehri (Operated by: Uttarakhand Jal Sansthan)	3.50	1.10	Operational	Complying	Non - Complying
29.	Shanti bazar, Devprayag, Distt.-Tehri (Operated by: Uttarakhand Peyjal Nigam)	0.075	0.015	Operational	Complying	Complying
30.	Sangambazar, Devprayag Distt.-Tehri (Operated by: Uttarakhand Peyjal Nigam)	0.15	0.07	Operational	Complying	Complying
31.	Baah Bazar, Devprayag Distt.-Tehri (Operated by: Uttarakhand Jal Sansthan)	1.40	0.04	Operational	Complying	Complying
32.	Gyansu, Uttarkashi Distt.-Uttarkashi (Operated by: Uttarakhand Jal Sansthan)	2.00	1.783	Operational	Complying	Non - Complying
33.	Gangotri, Uttarkashi Distt.-Uttarkashi (Operated by: Uttarakhand Jal Sansthan)	1.00	0.20	Non - Operational	STP was non-operational due to seasonal closure	
34.	Nursery Road, Srinagar Distt.-Pauri (Operated by: Uttarakhand Peyjal Nigam)	3.50	2.766	Operational	Complying	Complying
35.	Srinagar (Near ITI) Distt.-Pauri (Operated by: Uttarakhand Jal Sansthan)	1.00	0.50	Operational	Complying	Complying
36.	Taulia, Srikot Distt.- Pauri Garhwal (Operated by: Uttarakhand Peyjal Nigam)	0.05	0.013	Operational	Complying	Complying
37.	Near Junior High School, Srikot, Srinagar Distt.- Pauri (Operated by: Uttarakhand Peyjal Nigam)	0.075	0.074	Operational	Complying	Complying

38.	Swargashram, Rishikesh, Distt.-Pauri (Operated by: Uttarakhand Jal Sansthan)	3.00	2.12	Operational	Complying	Complying
39.	Lakkarghat, Rishikesh Distt.-Dehradun (Operated by: Uttarakhand Peyjal Nigam)	26.00	16.06	Operational	Complying	Complying
40.	Jagjeetpur, Haridwar Distt.-Haridwar (Operated by: Uttarakhand Jal Sansthan)	27.00	27.00	Operational	Complying	Complying
41.	Jagjeetpur, Haridwar Distt.-Haridwar (Operated by: Uttarakhand Jal Sansthan)	18.00	18.00	Operational	Complying	Complying
42.	Jagjeetpur, Haridwar Distt.-Haridwar (Operated by: Uttarakhand Peyjal Nigam)	68.00	67.88	Operational	Complying	Complying
43.	Sarai (I), Haridwar Distt.-Haridwar (Operated by: Uttarakhand Jal Sansthan)	18.00	18.00	Operational	Complying	Complying
44.	Sarai (II), Haridwar Distt.-Haridwar (Operated by: Uttarakhand Peyjal Nigam)	14.00	13.44	Operational	Complying	Complying
45.	Saliyar, Roorkee Distt.-Haridwar (Operated by: Uttarakhand Jal Sansthan)	33.00	20.00	Operational	Complying	Complying
46.	Motharawala-I, Dehradun Distt.-Dehradun (Operated by: Uttarakhand Jal Sansthan)	20.00	13.52	Operational	Complying	Complying
47.	Motharawala-II, Dehradun Distt.-Dehradun (Operated by: Uttarakhand Jal Sansthan)	20.00	11.00	Operational	Non - Complying	Non - Complying
48.	Kargi, Dehradun Distt.-Dehradun (Operated by: Uttarakhand Jal Sansthan)	68.00	13.00	Operational	Complying	Complying
49.	Vijay Colony, Dehradun Distt.-Dehradun (Operated by: Uttarakhand Jal Sansthan)	0.42	0.30	Operational	Complying	Non - Complying

50.	Salawala, Dehradun Distt.-Dehradun (Operated by: Uttarakhand Jal Sansthan)	0.72	0.35	Operational	Complying	Complying
51.	Indira Nagar, Dehradun Distt.-Dehradun (Operated by: Uttarakhand Jal Sansthan)	5.00	5.00	Operational	Complying	Complying
52.	Jakhan, Dehradun Distt.-Dehradun (Operated by: Uttarakhand Jal Sansthan)	1.00	0.14	Operational	Complying	Complying
53.	Bhattafall, Mussoorie Distt.-Dehradun (Operated by: Uttarakhand Jal Sansthan)	3.12	0.80	Operational	Complying	Complying
54.	Happy Valley, Mussoorie Distt.-Dehradun (Operated by: Uttarakhand Jal Sansthan)	1.20	0.20	Operational	Complying	Complying
55.	Landour, South, Mussoorie Distt.-Dehradun (Operated by: Uttarakhand Jal Sansthan)	1.30	0.10	Operational	Complying	Non - Complying
56.	Landour, North, Mussoorie Distt.-Dehradun (Operated by: Uttarakhand Jal Sansthan)	0.80	0.035	Operational	Complying	Complying
57.	Kulri Bazaar, Mussoorie Distt.-Dehradun (Operated by: Uttarakhand Jal Sansthan)	0.90	0.35	Operational	Complying	Non - Complying
58.	Hari Nagar, Nainital Distt.-Nainital (Operated by: Uttarakhand Jal Sansthan)	0.45	0.25	Operational	Complying	Non - Complying
59.	Krishnapur, Nainital Distt.-Nainital (Operated by: Uttarakhand Jal Sansthan)	0.80	0.45	Operational	Complying	Non - Complying
60.	Bheemtal, Nainital Distt.-Nainital (Operated by: Uttarakhand Jal Sansthan)	1.25	0.810	Operational	Complying	Non - Complying
61.	Bakh, Almora Distt.-Almora (Operated by:	2.00	1.65	Operational	Complying	Non - Complying

	<i>Uttarakhand Jal Sansthan</i>					
62.	Roosi, Nainital, Distt.- Nainital (Operated by: <i>Uttarakhand Jal Sansthan</i>)	10.00	6.75	Non-Operational	New STP of 17.5 MLD capacity is under construction.	
63.	Ancholi, Pithoragarh Distt.-Pithoragarh (Operated by: <i>Uttarakhand Peyjal Nigam</i>)	5.00	1.00	Operational	Complying	Non - Complying
64.	Nirada, Pithoragarh Distt. - Pithoragarh (Operated by: <i>Uttarakhand Peyjal Nigam</i>)	1.25	0.80	Operational	Complying	Non - Complying
65.	Transport Nagar Ramnagar Distt.- Nainital (Operated by: <i>Uttarakhand Jal Sansthan</i>)	7.00	2.5	Operational	Complying	Complying
66.	Ramnagar, Puchdi, Distt.- Nainital (Operated by: <i>Uttarakhand Jal Sansthan</i>)	1.50	0.15	Operational	Complying	Complying
67.	Narayan Nagar, Nainital Distt. Nainital (Operated by: <i>Uttarakhand Jal Sansthan</i>)	0.450	-	Operational	Complying	Non - Complying
68.	Marwari, Joshimath Distt. -Chamoli (Operated by: <i>Uttarakhand Jal Sansthan</i>)	2.70	1.76	Operational	Complying	Complying
69.	Haldwani (Indira Nagar) Distt. -Nainital (Operated by: <i>Uttarakhand Peyjal Nigam</i>)	28.00	13.8	Operational	Complying	Non - Complying
	Total	427.915	278.488			

Details of under construction STPs in the State:

Sl. No.	Location	Capacity of the plant in MLD	Physical progress in %	Status of I & D or House sewer connections	Completion Timeline
1.	Kaulagarh Distt. -Dehradun	3.00	97%	-	Trial run started
2.	Kashipur Distt. -US Nagar	18.00	92%	-	DOC- May-2024

Sl. No.	Location	Capacity of the plant in MLD	Physical progress in %	Status of I & D or House sewer connections	Completion Timeline
3.	Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Dhella)	10.00	75%		DOC- Oct-2024
4.	Mukhandpur, Kashipur, Distt. U.S. Nagar (Proposed under River Rejuvenation of Kosi)	0.50	60%	(Boundary wall is in progress & Reactor Foundation completed	DOC- Oct-2024
5.	Gularia, Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Dhella)	0.30	60%	(Boundary wall is in progress & Reactor Foundation completed	DOC- Oct-2024
6.	Jaspur Khurd, Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Bhella)	1.00	50%		DOC- Oct-2024
7.	Hempur Smile, Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Bhella)	2.00	15%	Administrative Building & HT Substation Building is in progress.	DOC- Oct-2024
8.	Beljudi Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Dhella)	0.50	20%	Boundary wall is in progress.	DOC- Oct-2024
9.	Bazpur Distt. U.S. Nagar (Proposed under River Rejuvenation of Pilakhar)	10.00	35%	Boundary wall, CCT, SBR & Sludge Handling Unit is in progress.	DOC- Oct-2024
10.	Kichha, Rudrapur Distt. U.S. Nagar (Proposed under River Rejuvenation of Kichha)	3.00	15%	Administrative Building & HT Substation Building is in progress. BEP Approved. Drawing/Design is in Progress	DOC- Oct-2024
11.	Sitarganj Distt. U.S. Nagar (Proposed under River Rejuvenation of Nandhour)	3.00	15%	SBR is in progress. BEP Approved. Drawing/Design is in Progress.	DOC- Oct-2024
12.	Arcadia Zone, Mussoorie Distt. Dehradn	0.70	5%	Work awarded. BEP / Structural drawing under preparation.	DOC 29-07-2024
13.	Library Zone, Mussoorie Distt. Dehradun	1.10	35%	Site development work & Raw Sewage sump is in progress.	DOC 29-07-2024
14.	Company Garden Zone Mussoorie, Distt. Dehradun	0.70	20%	Site development work is in progress	DOC 29-07-2024

Sl. No.	Location	Capacity of the plant in MLD	Physical progress in %	Status of I & D or House sewer connections	Completion Timeline
15.	Camel's Back Zone, Mussoorie, Distt. Dehradun	0.70	-	Work awarded and review of detail design is in progress.	DOC 29-07-2024
16.	Dhobi Ghat Zone, Mussoorie, Distt. Dehradun	0.05	55%	Chamber, Admin Building, Site Development work in progress.	DOC 29-07-2024
17.	Rudraprayag Gaurikund Distt.	0.20	5%	Work awarded and BEP, under process	DOC 02-10-2024
18.		0.01	5%	Work awarded and BEP, under process	
19.		0.006	5%	Work awarded and BEP, under process	
20.		0.006	5%	Work awarded and BEP, under process	
21.	Tilwada Distt. Rudraprayag	0.10	5%	Work awarded and BEP, under process	
22.	Pandeykhaula Distt. Almora	1.50	72%	Work of sewer network laying and house sewer connection is already awarded. Construction work is in progress and likely to be completed by March 2024.	Jun-24
23.	Roosi Pond, Nainital Distt. Nainital	17.50		Work awarded and review of detail design is in progress. (ADB)	DOC-07.05.2025
24.	Nakronda, Dehradun, Distt. Dehradun	17.50	-	Work awarded and review of detail design is in progress. (ADB)	DOC-May-2025
25.	Daurwala, Dehradun, Distt. Dehradun	18.00	-	Work awarded and review of detail design is in progress. (ADB)	DOC-May - 2025
26.	Banjarawala Package -1	11.00	-	Work awarded and review of detail design is in progress. (ADB)	DOC-16.06.2025

Sl. No.	Location	Capacity of the plant in MLD	Physical progress in %	Status of I & D or House sewer connections	Completion Timeline
27.	Muni ki Reti-Dhalwala, Rishikesh, Distt. Tehri	8.00	2%	Contract bond executed and work started on 01-12-2023.	DOC-03.12.2025
28.	Swargashram, Rishikesh Distt. Pauri	3.00	5%	Contract bond executed and work started on 01-12-2023	DOC-03.12.2025
29.	Neelkanth, Rishikesh Distt. Pauri	1.50	2%	Contract bond executed and work started on 01-12-2023	DOC-03.12.2025
Total		132.87			

Details of proposed STPs in the State:

Sl. No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/Under Trending/Work to be Awarded)	Likely Date of Completion
1.	Khadri, Rishikesh Distt. Dehradun	5.00	Proposed under KfW	
2.	Muni ki Reti-Dhalwala, Rishikesh, Distt. Tehri	0.30	Bid submitted on 24-08-2023 and technical bid sent to NMCG for approval through SPMG.	
3.	Sapera Basti, Dehradun	15.00	Land purchasing under processing. After land purchased LoA will issued.	
4.	Rudrapur Distt. U.S. Nagar (Proposed under River Rejuvenation of Kalyani)	0	DPR is being prepared under Namami Gange programme	
5.	Gyansu Distt. Uttarkashi	4.00	DPR prepared and sent to State sector for fund allocation.	
6.	Shivalik Nagar, Distt. Haridwar	8.00	Proposed under KfW	
7.	Kotdwar, Distt. Pauri	21.00	Project sanctioned by NMCG & AA&ES issued on 05-12-2023 and tender floated on 01.02.2024	
8.	Haldwani Distt. Nainital	10.50	DPR under Preparation (ADB funded project).	
9.	Haldwani, Nainital Septage Co-Treatment Plant	0.14	DPR under Preparation (ADB funded project).	
10.	Vikasnagar, Distt. Dehradun	7.00	DPR under Preparation (ADB funded project).	
11.	Vikasnagar, Dehradun Septage Co-Treatment Plant	0.01	DPR under Preparation (ADB funded project).	
Total		70.95		

- State of Uttarakhand has made timely progress in Namami Gange Projects. All necessary infrastructure provisions have been ensuring by the State towards pollution abatement on the main stem of River Ganga (Segment-A).
- 32 STPs with treatment capacity of 131.87 MLD have been installed & functional under Namami Gange programme.
- Out of 131 drains, which were draining into River Ganga, 131 drains have been tapped and all the drains have been intercepted and diverted to STPs (44 Nos.).
- In order to ensure the integrated and sustained cleanliness of tributary of River Ganga in Uttarakhand state, the National Mission for Clean Ganga (NMCG) has sanctioned Rs. 223.44 crore for interception and diversion of 17 Nos. drains and establishment of 09 STPs along the 06 Polluted River Stretches. Work started on dated 07.01.2022. 33% work completed rest work in progress"
- Meanwhile, as per directions of the Hon'ble National Green Tribunal in the matter of O.A. 673/2018 dated 06.12.2019 bio-remediation of 19 drains of 09 polluted river stretches have been done for a period of 04 months (Feb-2021 to June-2021) covering Kumbh Mela period under Namami Gange Program.

3. DETAILS OF INDUSTRIAL POLLUTION:

No. of industries in the State	12,728 6,621 - Industrial Operation 6,107 - Non-Industrial Operation
No. of water polluting industries in the State	890
Quantity of effluent generated from the industries in MLD	111.1 MLD
Number of industrial units having ETPs	890
Number and total capacity of ETPs (details of existing/ under construction/proposed)	142.8 MLD
Compliance status of the ETPs	All are complying
Number and total capacity of CETPs (details of existing/under construction/proposed)	Existing: 03 CETPs of 13.2 MLD. Under construction: Nil Proposed CETP: Sitarganj- (i) Proposed- 8 MLD (Package i,ii & iii in Module 2 MLD + 3 MLD+3 MLD) Preparation of tender documents for establishing proposed CETP is under process with technical cooperation from GIZ.
Status of compliance and operation of the CETPs	• 03 CETPs are operational and are complying with prescribed discharge norms as per monitoring conducted by UKPCB in the month of February 2024.

Status of Operational CETPs:

Industrial Estate	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
IIE, Ranipur, Haridwar	531	4.5 MLD	All 530 units are connected to CETP. (01 industry M/s Hero Motocorp has its own ETP)	(Capacity - 5.2 MLD). Operational and complying

IIE, Pantnagar (US Nagar)	499	2.0 MLD	- For 474 no. units Conveyance system is available (M/S Roquette Riddhi Siddhi Pvt Ltd., IIE Pantnagar has its own ETP). - Balance 24 units although having their ETPs/Septic tanks, they will also be connected with CETP as directed by Supervisory Committee	CETP with 4.0 MLD UK Jal Nigam is an Implementing agency for the execution of work, It is also to bring to your kind notice that during the execution of work it is observed that some additional sewer line laying work is required in different sectors due to damaged/missing/non availability of sewer lines for which Uttarakhand Peyjal Nigam submitted an estimate of Rs. 1908.86 lacs to SIDCUL after T.A.C. from planning department Govt., SIIDCUL has approved the same. Implementing Agency floated Tender for execution of the work.
ESIP Sitarganj (US Nagar)	75	2.0 MLD	All units are connected to CETP.	CETP with 4.0 MLD Capacity is operational and complying to the norms. Proposed – 1. Sitarganj- (i) Proposed- 8 MLD (Package i,ii & iii in Module 2+3+3 MLD) Note - Based on review done by expert on techno economic feasibility it was concluded that majorly Industries related to Electronics and Aroma are being established in SIIDCUL Kashipur therefore CETP is not required. while in IIE Sitarganj Industrial area is under development so CETP shall be established after Development of Industrial estate.

4. SOLID WASTE MANAGEMENT:

Total number of Urban Local Bodies and their Population	102 Urban Local Bodies (10 ULBs are newly added) Population- 36,26,586
Current Municipal Solid Waste Generation	1589.64 MTPD ULB wise details in enclosed as Annexure-1.
Current Municipal Solid Waste Processed	1462.97 MTPD ULB wise details in enclosed as Annexure-1.
Number, installed capacity and utilization of existing MSW processing facilities in TDP (bifurcated by type of processing e.g.- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bio methanation, MRF etc. Existing Facilities	- Three MSW processing & Sanitary Land Fill facilities (SLF) (Dehradun: Capacity 200 TPD, Haridwar: Capacity 150 TPD & Kirtinagar: Capacity 05 TPD) are Constructed/Functional in the State. 12 MSW processing facility has been constructed/Functional in the state. - Two waste processing & SLF facility i.e., one at Rishikesh (covering 5 ULBs) and one in Haldwani

Pl. also specify total quantum of waste processing in the State. Location of MRFs and their capacities. Location of Plastic compactor, their capacity and year wise quantity of plastic waste compacted and sent for recycling. Revenue generated	(covering 7 ULBs), project approved, in Haldwani RFP has been revised and in Rishikesh agreement has been done with successful bidder, LoA issued and work initiated . ▪ Total 38 Material Recovery Facility is functional having total capacity of 230 MTPD. ▪ 630 NADEP are constructed and used for Wet Waste Processing. ▪ 1053 Bulk Waste Generator are identified and wet waste is being processed by them on their premises. ▪ 92 Aatm Nirbhar Wards are identified. Wet waste is being processed by them within wards and Dry waste is being processed by recycling/reusing through PWP. ▪ In NPP Muni-ki-Reti, a 5MTPD capacity Plastic to Plank system has been installed. ▪ Plastic Compactors- 75 Nos. (Operational).The total capacity of Plastic Compactor in ULBs is 375 Tonnes per day.Revenue generated from the plastic compactors is Rs. 4.56 Cr. till January, 2024 by selling compacted plastics/ bails.
Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap>20%)	15 CSWTFs are constructed/operational in the state and remaining 47 CSWTF to be constructed which are under different stage of execution.
Nos. and capacity of C&D waste processing plants in TDP (existing, proposed and under construction)	▪ 10 ULBs have identified lands for disposal and collection of C&D waste. ▪ Out of above 10 ULBs, 03 C&D Waste processing Plants are proposed in National Clean Air Program Cities viz. Dehradun, Rishikesh & Kashipur. ▪ baseline study has been done for collection of data for constructing C & D waste Management Plant in Dehradun, DPR of Rs.15 Cr has been prepared and is being technically examined. ▪ Above DPR has been circulated as a model DPR to other 02 NCAP cities/ULBs namely Kashipur and Rishikesh to prepared DPR accordingly. ▪ Direction has been issued to 03 NCAP cities to send proposal/DPR for approval. ▪ 92 ULBs have reported that the generated C&D waste is being used in backfilling/ filling of low-lying lands.
Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source.	Total number of Wards-1242 Door to door Collecton-1242 Source Segregation-1055

Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)

Current Status	Total DPRs	No. of ULBs	Timeline
DPR Approved	62	89	
DPR Under revision as per SBM 2.0 (Shivalik Nagar, Chaukhutiya & Kedarnath)	03	03	Dec 2024
Total	65	92	
SWM Plant Functional/Completed	15	19	
SWM Plant under construction/on going	47	70	December 2024

01 SWM Plant is functional at Jhabreda which is out of above 65 proposed DPR.

Collection & Transportation Vehicles have been purchased by ULBs in initial phase to implement 100% Door to Door Collection & 100 % Source Segregation.

ULBs are in process of obtaining Environmental Clearance & Consent to Establish, as construction is proposed after obtaining EC/CTE from Competent Authority. Status is as below: -

Authorization/Environmental Clearance status:

EC Obtained/ EC Exempted for following projects

S. N.	Name of Project/ULB	No. of ULBs	Remarks
1	Dehradun ISWM Cluster	5	Plant Functional
2	Haridwar	1	Plant Functional
3	Haldwani – Rudrapur ISWM Cluster	7	EC obtained on 10-10-2017
4	Rishikesh ISWM Cluster	5	EC obtained on 12-11-2021
5	Srinagar	1	EC obtained on 31-7-2021
6	Joshimath	1	EC obtained on 31-8-2022
7	Pauri	1	EC obtained on 6-3-2023
8	Tehri- Chamba ISWM Cluster	2	EC obtained on 30-5-2023

9	Dineshpur	1	EC Exempted vide MoM dt. 8-5-2022
	Total	24	-
EC Applied/Under Process for following projects			
S.N.	Name of Project/ULB	No. of ULBs	Remarks
1	Kotdwar ISWM Cluster	1	Minutes of Public Hearing issued 11-12-2023
2	Pithoragarh	1	Conditional ToR granted vide letter dt. 13-5-2023
3	Gauchar	1	ToR applied
4	Roorkee ISWM Cluster	5	Draft EIA report submitted to PCB on 12-1-2023
5	Sitarganj	1	ToR to be applied
6	Mahuakhedaganj	1	ToR to be applied
7	Naugaon (Uttarkashi)	1	ToR to be applied
8	Kirtinagar	1	ToR issued 13-5-2023
9	Gadarpur ISWM Cluster	4	ToR to be applied
10	Karnprayag	1	ToR issued on 23-05-2023 Draft EIA report prepared
	Total	17	
EC of following Projects Rejected			
S. N.	Name of Project/ULBs	No. of ULBs	Remarks
1	Almora	1	-
2	Ramnagar	1	-
3	Chamoli	1	ToR not granted vide letter dt. 13-5-2023
	Total	3	
Authorisation Obtained: - Dehradun (5), Haridwar (1), Gauchar, Badrinath, Chamiyala, Augustmuni, Lambgaon, Ghansali, Dugadda, Chinyalisaur, Dineshpur, Naugaon, Pipalkoti, Barkot, Gairsain, Pirankaliyar, Devprayag, Kirtinagar, Rishikesh, Srinagar i.e. 24 ULBs. The authorisation obtained by ULBs is for 24 ULBs			

	now and have increased from 6 ULBs to 24 ULBs. Applied for Authorization: Purola, Roorkee, Mahuakhedaganj, Manglaur & Champawat.
No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills	- Legacy Waste/ Old Garbage Dump Site: There are 50 Legacy waste/ garbage dumpsites in the state. - DPR of 08 Dumpsites covering 07 ULBs has been approved and fund has been received from GOI. - Principle approval obtained from NARC (SBM) for the DPR of 06 Legacy waste/ garbage dumpsites covering 06 ULBs. 01 DPR of covering 01 ULB is under review at MoHUA, GoI for approval. - Sanitary Land Fill: 03 Scientific Sanitary Landfills (Kirtinagar, Haridwar & Dehradun) are in operation.
No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	07 (Uttarkashi, Haldwani, Kotdwar, Doiwala, Srinagar, Rishikesh & Purola), as informed by respective ULBs. Legacy Waste of Kotdwar has been remediated In Srinagar legacy Waste has been shifted away from Ganga River. In Uttarkashi, ULB has enclosed the legacy waste site by constructing boundary wall of 3 m. height. Tender process has been completed and work order has been done, Remediation of legacy is under process.
No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	There is total 131 small and big drains identified in Ganga Towns, tapping/ jaal on drains done in all the drains. Tapping works are done by Uttarakhand Jal Nigam and regular cleaning is being done by concern ULBs.

Status of ULB wise Management of Solid Waste:

Treatment and Disposal facility for SWM- Land Identification and Procurement status is as follows against 65 DPR Covering 92 ULBs):

- Procurement of land completed for 56 Projects **covering 82 ULBs.**
- Forest Land/Revenue Land is Identified and under process of transfer for 09 Projects covering 10 ULBs

5. BIO-MEDICAL WASTE MANAGEMENT:

Total Bio-medical generation	7113.3678 Kg/day. (Year 2022)
No. of Hospitals and Health Care Facilities	6002 Nos.
Status of Treatment Facilities/CBMWTF	Two CBMTF facilities are operational in the State permitted for treatment of 101.67 MT per month waste. Two more CBMWTFs are proposed in

	Narendra Nagar (Distt. Tehri) and Sitarganj (US Nagar) for which Environmental Clearance from SEIAA and CTE form UKPCB have been accorded.
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6. HAZARDOUS WASTE MANAGEMENT:

Total Hazardous Waste generation	21876.0844 Tonnes (Year 2022-23)
No. of Industries generation Hazardous waste	457Nos.
Treatment Capacity of all TSDFs	Incineration-12000 MT/Year Land filling-8000 MT/Year
Quantity of Hazardous waste reached the TSDFs (Year 2022-23)	9341.613 MT (Landfill – 3606.123 MT & Incineration – 5700.589 MT)
Treated (Year 2022-23)	Landfillable: 3606.123 MT Incinerable: 5735.49 MT (34.901 MT from the previous stock)
Details of on-going or proposed TSDF	Capacity utilization of existing facility is proposed.

7. PLASTIC WASTE MANAGEMENT:

Total Plastic Waste generation	55991 MTPA (From 102 ULBs)
Treatment/Measures adopted for reduction or management of plastic waste	▪ 75 Nos. Plastic Compactors are functional on cluster basis to cater 92 ULBs. Rs. 154.68 Lakhs has been released by the UKPCB for this purpose. ▪ Revenue generated from the plastic compactors is Rs. 4.56 Cr. by selling of compacted plastics/ bails till date ▪ Total capacity of Compactor is 360 Tonnes per day. ▪ 62 Plastic Waste recycling units are registered with the Uttarakhand Pollution Control Board with an installed recycling capacity of 177000Ton/Annum. ▪ State Level Monitoring Committee (SLMC) for Plastic Waste Management has been constituted by the State Government vide G.O. No. 1445/IV(3)-201912(1 Sa.)/2017 dated 03.07.2019. ▪ SLMC Meeting convened on 16.09.2022, 04.10.2022, 09.11.2022, 09-03-2023, 28-04-2023 & 21-07-2023. ▪ The Government of Uttarakhand has imposed restriction on supply, carry, storage, transportation, manufacturing, sale, purchase and import of identified Single Use Plastic items vide notification dated 16.02.2021. ▪ The Government of Uttarakhand has constituted a Special Task Force under chairmanship of Chief Secretary and District Level task Force under chairmanship of District Magistrate vide notification dated 31.08.2021 to eliminate banned single use plastic items, in mission mode. ▪ Awareness campaign is being done for elimination of banned single use plastic items in the State. ▪ SUP Ban Drive/Inspection Drive is being done regularly and Challan is being imposed on violators. ▪ SUP grievance app has created by CPCB.

OTHERS:

8.	Details of Alternate Treatment Technology being adopted by the State/UT	The treatment technologies i.e., SBR, MBBR, SBT and Electro Coagulation are being used in the State for STPs. In addition of above, Bio remediation treatment technology has been adopted for treatment of drains for the period till STPs are constructed and becomes functional.
9.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in situ treatment.	Main Ganga Stream: Total 135 drains identified along the main stream of river Ganga. Out of 135 drains, 131 drains sanctioned by NMCG New Delhi. Remaining 4 drains, 3 drain of Srikot have not sanctioned because BOD<30 and 1 drain of Rawali Mehdood is under Sidcul. Out of 131 sanctioned drains 131 drains have been tapped. Dehradun: Total 177 nos small household drains has been sanctioned for I&D under Namami Gange Programme. All I&D works (144 Nos.) of Bindal river is completed. Ramnagar: Total 06 nos. drains has been sanctioned under Namami Gange programme. All Nala have been tapped. 09 Polluted Stretches: A. 17-drains has been sanctioned under Namami Gange for 6 stretches (Bhela, Dhela, Kichha, Kosi, Nandhore, Pilkhar and Kashipur Distt. Udham Singh Nagar). 33% work completed. Rest work is in progress." B. The polluting stretch Kalyani River (Kumaon), DPR is under preparation by UKPJN & consultant has been finalised. DPR expected to be submitted. C. The polluting stretch Suswa River (Dehradun) is taken up under DPR approved for I&D works of Rispana & Bindal Rivers under Namami Gange Projects. D. Polytechnic drains or Lakkarghat drain is the treated effluent channels for new 26 MLD STP based on SBR technology has been commissioned at Lakkarghat. E. The polluted River stretch (from Haridwar to Sultanpur) is already meeting the bathing water criteria and considered as model River. Bio-remediation of drains – DPR of Rs. 259 Lakh was approved by NMCG for total 19 drains on dated 14.12.2020. 06 Drains Kichch River. 03 Drains Suswa River. 01 Drains Rispana River.

		01 Drains Bindal River. 07 Drains River Bhella, Kichcha and Pilakhar. 01 Drains Ukrouli, Sitraganj. Bioremediation works has been completed.
10.	Details of Nodal Officer appointed by Chief Secretary in the State/UT	Environmental Cell has been setup in the office of Chief Secretary, Govt. of Uttarakhand.
11.	Details of meetings carried under the Chairmanship of Chief Secretary in the State/UT	Meetings of CMC held on dated 10.02.2021, 04.03.2021, 09.07.2021, 15.11.2021, 04.02.2022, 09.06.2022, 20.09.2022, 10.01.2023, 12.05.2023, 12.09.2023 and 11.01.2024
12.	Latest water quality of polluted river, its tributaries, drains with flow details and groundwater quality in the catchment of polluted river.	Surface water quality monitoring of 09 polluted river stretches during the month of February, 2024 is enclosed as Annexure-2 . It is state that River Ganga (Haridwar to Sultanpur) (Priority-IV) is already achieved Class "B" water, therefore, may be de-listed from the polluted river stretches.
13.	Groundwater regulation	----
14.	Good irrigation practices being adopted by the State.	Treated waste water of 27 MLD & 68 MLD STP's at Jagjeetpur, Haridwar is already being re-used for irrigation through Canal system constructed for this purpose. A part from this micro irrigation practices such as sprinkler and drip irrigation are being adopted by the irrigation department.
15.	Rain Water Harvesting	It is being implemented through Catch the Rain Campaign.
16.	Demarcation of Floodplain and removal of illegal encroachments.	out of 9 polluted stretches (Bhela, Dhela, Suswa, Gola (Kichchha), Kalyani, Ganga, Kosi, Nandhor and Pikhali), 4 stretches are Non- Perennial hence no flood plain zoning is to be done. Out of remaining 5 stretches, flood plain Zoning in River Ganga (Haridwar to Sultanpur) had been notified in 11th May, 2018. Remaining 3 stretches Flood Plain Zoning Work in Suswa, Kosi and Gola rivers (Kichchha) is in final phase and will be completed by June 2024
17.	Maintaining minimum e-flow of river.	Government of Uttarakhand has directed to all Hydro Electric Projects Developers in the State of Uttarakhand to release minimum E-Flow of 15 % of the average lean season. Uttarakhand Jal Vidhyut Nigam Ltd (UJVNL) as the nodal agency for the compliance of minimum E-Flow in the State of Uttarakhand. As per the information provided by the UJVNL for the month of February, 2024: ▪ All 07-HEPs located in the main Ganga basin and having > 25 MW capacity are complying the prescribed norms except the Srinagar Hydro Power Project. ▪ All 05-HEPs located in other than main Ganga basin and having > 25 MW capacity are complying with e-

		flow norms. All 20 HEPs having <25 MW capacity located in the State are complying with e-flow norms. Details of E-flow of February, 2024 is enclosed as Annexure 3(A), 3(B) & 3(C).																																																																																																							
18.	Plantation activities along the rivers.	1. Plantations in Catchments of Ganga & its Tributaries under various schemes of CAMPA in Uttarakhand: <table><tr><th>S. No.</th><th>Year</th><th>Plantations (ha)</th></tr><tr><td>1.</td><td>2020-21</td><td>5181.64</td></tr><tr><td>2.</td><td>2021-22</td><td>3781.46</td></tr><tr><td>3.</td><td>2022-23</td><td>3802.70</td></tr><tr><td>4.</td><td>2023-24*</td><td>2421.25</td></tr><tr><td></td><td>Total</td><td>15187.05</td></tr></table> *in progress 2. Plantations under ‘Namami Gange’ Project utilizing CAMPA funds in various Ganga districts: <table><tr><th>S. No.</th><th>Year</th><th>ASW (ha)</th><th>Plantations (ha)</th></tr><tr><td>1.</td><td>2022-23</td><td>1390.00</td><td>-</td></tr><tr><td>2.</td><td>2023-24 *</td><td>1104.00</td><td>1326.00</td></tr><tr><td></td><td>Total</td><td>2494.00</td><td>1326.00</td></tr></table> * in progress 3. Activities implemented under River Rejuvenation scheme of CAMPA <table><tr><th>S. No.</th><th>Year</th><th>Name of Activity</th><th>Unit</th><th>Achievement</th></tr><tr><td>1.</td><td>2018-19</td><td>Plantation</td><td>Nos.</td><td>180000</td></tr><tr><td>2.</td><td>2019-20</td><td>Plantation</td><td>Nos.</td><td>47000</td></tr><tr><td>3.</td><td rowspan="5">2020-21</td><td>Plantation</td><td>Nos.</td><td>60000</td></tr><tr><td>4.</td><td>Contour Trenches</td><td>Nos.</td><td>83376</td></tr><tr><td>5.</td><td>Recharge Ponds</td><td>Nos.</td><td>1999</td></tr><tr><td>6.</td><td>Percolation Tanks</td><td>Nos.</td><td>530</td></tr><tr><td>7.</td><td>Assisted Natural Regeneration</td><td>Ha</td><td>124</td></tr><tr><td>8.</td><td rowspan="8">2021-22</td><td>Plantation</td><td>Ha</td><td>55</td></tr><tr><td>9.</td><td>Water Bodies (10 KL)</td><td>Nos.</td><td>8</td></tr><tr><td>10.</td><td>Water Bodies (20 KL)</td><td>Nos.</td><td>22</td></tr><tr><td>11.</td><td>Water Bodies (40 KL)</td><td>Nos.</td><td>8</td></tr><tr><td>12.</td><td>Water Bodies (50 KL)</td><td>Nos.</td><td>10</td></tr><tr><td>13.</td><td>Water Harvesting Tanks</td><td>Nos.</td><td>53</td></tr><tr><td>14.</td><td>Check Dams</td><td>Nos.</td><td>81</td></tr><tr><td>15.</td><td>Contour Trenches</td><td>Nos</td><td>25166</td></tr></table>	S. No.	Year	Plantations (ha)	1.	2020-21	5181.64	2.	2021-22	3781.46	3.	2022-23	3802.70	4.	2023-24*	2421.25		Total	15187.05	S. No.	Year	ASW (ha)	Plantations (ha)	1.	2022-23	1390.00	-	2.	2023-24 *	1104.00	1326.00		Total	2494.00	1326.00	S. No.	Year	Name of Activity	Unit	Achievement	1.	2018-19	Plantation	Nos.	180000	2.	2019-20	Plantation	Nos.	47000	3.	2020-21	Plantation	Nos.	60000	4.	Contour Trenches	Nos.	83376	5.	Recharge Ponds	Nos.	1999	6.	Percolation Tanks	Nos.	530	7.	Assisted Natural Regeneration	Ha	124	8.	2021-22	Plantation	Ha	55	9.	Water Bodies (10 KL)	Nos.	8	10.	Water Bodies (20 KL)	Nos.	22	11.	Water Bodies (40 KL)	Nos.	8	12.	Water Bodies (50 KL)	Nos.	10	13.	Water Harvesting Tanks	Nos.	53	14.	Check Dams	Nos.	81	15.	Contour Trenches	Nos	25166
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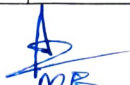
		4. Work under Hon. NGT order in OA 673/2018 (Treatment of critically polluted river stretches (namely Bhella, Dhella, Suswa, Pilakhar, Nandhour and Kalyani rivers): <table><tr><th>S. No.</th><th>Year</th><th>Name of Activity</th><th>Unit</th><th>Achievement</th></tr><tr><td>1.</td><td rowspan="5">2020-21</td><td>Plantation</td><td>Nos.</td><td>4000</td></tr><tr><td>2.</td><td>Crate Wire Wall</td><td>Nos.</td><td>12</td></tr><tr><td>3.</td><td>Spur</td><td>Nos.</td><td>26</td></tr><tr><td>4.</td><td>Contour Trenches</td><td>RM.</td><td>2000</td></tr><tr><td>5.</td><td>Check Dams</td><td>Nos.</td><td>142</td></tr><tr><td>6.</td><td rowspan="3">2021-22</td><td>Advance Soil Works</td><td>Ha</td><td>6</td></tr><tr><td>7.</td><td>Pitching Work</td><td>CUM</td><td>882</td></tr><tr><td>8.</td><td>CC Blocks</td><td>RM</td><td>69.5</td></tr></table> Note: not approved in APO 2022-23 and 2023-24. 5. Works under conservation of flood plain zones of Ganga River in OA No. 200/2014 <table><tr><th>S. No.</th><th>Year</th><th>Name of Activity</th><th>Unit</th><th>Achievement</th></tr><tr><td>1.</td><td rowspan="2">2021-22</td><td>Advance Soil Works</td><td>Ha</td><td>131.94</td></tr><tr><td>2.</td><td>Check Dams</td><td>Nos.</td><td>1142</td></tr><tr><td>3</td><td>2022-23</td><td>Plantations</td><td>Ha</td><td>163.00</td></tr><tr><td>4</td><td></td><td>Check Dams</td><td>Nos.</td><td>713</td></tr><tr><td>5</td><td>2023-24*</td><td>Plantations</td><td>Ha</td><td>37.44</td></tr><tr><td></td><td></td><td>Check Dams</td><td>Nos.</td><td>701</td></tr></table> 6. Works under conservation & development of wetlands in OA No. 325/2015 <table><tr><th>S. No.</th><th>Year</th><th>Name of Activity</th><th>Unit</th><th>Achievement</th></tr><tr><td>1.</td><td rowspan="4">2022-22</td><td>Plantation</td><td>Ha</td><td>24.00</td></tr><tr><td>2.</td><td>Check Dams</td><td>Nos.</td><td>1035</td></tr><tr><td>3.</td><td>Contour Trenches</td><td>Ha</td><td>5.00</td></tr><tr><td>4.</td><td>Percolation Pits</td><td>Ha</td><td>50.00</td></tr><tr><td>5.</td><td></td><td>Maintenance, cleaning works etc.</td><td>Ha</td><td>5.00</td></tr><tr><td>6</td><td>2023-24</td><td>Plantation</td><td>Ha</td><td>2.40</td></tr></table> Note: progress as per MIS dt. 29.02.2024	S. No.	Year	Name of Activity	Unit	Achievement	1.	2020-21	Plantation	Nos.	4000	2.	Crate Wire Wall	Nos.	12	3.	Spur	Nos.	26	4.	Contour Trenches	RM.	2000	5.	Check Dams	Nos.	142	6.	2021-22	Advance Soil Works	Ha	6	7.	Pitching Work	CUM	882	8.	CC Blocks	RM	69.5	S. No.	Year	Name of Activity	Unit	Achievement	1.	2021-22	Advance Soil Works	Ha	131.94	2.	Check Dams	Nos.	1142	3	2022-23	Plantations	Ha	163.00	4		Check Dams	Nos.	713	5	2023-24*	Plantations	Ha	37.44			Check Dams	Nos.	701	S. No.	Year	Name of Activity	Unit	Achievement	1.	2022-22	Plantation	Ha	24.00	2.	Check Dams	Nos.	1035	3.	Contour Trenches	Ha	5.00	4.	Percolation Pits	Ha	50.00	5.		Maintenance, cleaning works etc.	Ha	5.00	6	2023-24	Plantation	Ha	2.40
S. No.	Year	Name of Activity	Unit	Achievement																																																																																																							
1.	2020-21	Plantation	Nos.	4000																																																																																																							
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6	2023-24	Plantation	Ha	2.40																																																																																																							
19.	Development of biodiversity park	-----																																																																																																									
20.	Reuse of treated Water.	Treated waste water of 27 MLD & 68 MLD STP's at Jagjeetpur, Haridwar is already being re-used for irrigation through Canal system constructed for this purpose. A part from this micro irrigation practices such as sprinkler and drip irrigation are being adopted by the irrigation department.																																																																																																									

21.	Model River being adopted by the State & Action Proposed for achieving the bathing.	River Ganga from Haridwar to Sultanpur stretch has been identified as a model river for achieving the bathing quality standards. The model River report has been prepared and approved by River Rejuvenation Committee meeting held on 10.02.2021.
22.	Status of preparation of Action Plan by the 13 Coastal States	Not related to the State of Uttarakhand.
23.	Regulation of Mining Activities in the State/UT.	River Bed Mining in the State of Uttarakhand is carried out in a scientific and highly regulated manner as per the provisions of State Mining Policy and Uttarakhand Minor Minerals Rules, 2023 taking due care of environment and ecology of the area. It is compulsory to obtain Environment Clearance under EIA Notification 2006 prior to sanction of Mining Leases. Excavation of river bed mining is carried out as per approved mining plan and the Sustainable Sand Mining Guidelines-2016 of Ministry of Environment, Forest and Climate Change, Government of India within the demarcated area up to a depth of 03 meter or ground level whichever is less. It is also compulsory to obtain Consent to Establish and Operate from State Pollution Control Board before commencing the Excavation of river bed mining. Excavation of RBM is done manually. The State Mining Policy and Rules does not permit use of machines i.e. JCB, Poclane etc. for excavation of River Bed Material. River Bed Mining is not permitted during the Monsoon season from 1st July onwards up to 30th September and also from sunset to sunrise. Transportation of RBM is carried out on E-Transit Pass. The State Government is committed to stop illegal mining and illegal transportation of mineral. State Government has taken following measures to prevent illegal mining and illegal transportation: - 1- State Government has formulated Uttarakhand Mineral (illegal mining, transportation and storage prevention) Rules, 2021 wherein provisions have been made to impose a penalty on persons found guilty of illegal mining and illegal transportation. 2- The State Government has constituted "District Anti-Illegal Mining Force" in each District for prevention of illegal mining. 3- The State Government has constituted an "Independent Complaint Redressal Committee" which is chaired by retired judge. 4- Directorate Geology and mining has developed a "Complaint Redressal Portal" for redressal of the complaints related to mining.

		5- The State has C.M. Helpline portal for redressal of the complaints related to mining which is monitored weekly by Secretary, Mining and Monthly by the hon'ble Chief minister. 6- At Directorate level “Enforcement Cell” has been constituted which regularly make surprised field visits and take punitive actions against the mining lease holders, stockist and stone crushers/screening plants. 7- At District level officials from Revenue Department, Mining Department, Forest Department and Police Department carry out the enforcement work for prevention of illegal mining, illegal storage and illegal transportation. In the Month of February 2024, a 352 Cases of illegal mining/illegal transportation/illegal storage and a total 2.03 crore has been recovered from them. The enforcement work done to prevent illegal mining/illegal transportation/illegal storage in the last eight financial years is as follows: - <table><tr><th>S. N.</th><th>Financial Year</th><th>Illegal mining/ storage/ transportation cases</th><th>Penalty Recovered (In Rs. Crore)</th></tr><tr><td>1.</td><td>2015-2016</td><td>1324</td><td>12.27</td></tr><tr><td>2.</td><td>2016-2017</td><td>1424</td><td>4.41</td></tr><tr><td>3.</td><td>2017-2018</td><td>3231</td><td>9.44</td></tr><tr><td>4.</td><td>2018-2019</td><td>2649</td><td>26.99</td></tr><tr><td>5.</td><td>2019-2020</td><td>2502</td><td>9.62</td></tr><tr><td>6.</td><td>2020-2021</td><td>2752</td><td>18.05</td></tr><tr><td>7.</td><td>2021-2022</td><td>1818</td><td>13.17</td></tr><tr><td>8.</td><td>2022-23</td><td>2250</td><td>17.04</td></tr><tr><td>9.</td><td>2023-24 Upto February 2024</td><td>2247</td><td>17.05</td></tr><tr><td></td><td>Total</td><td>20,197</td><td>128.04</td></tr></table> Thus, the State Government is committed to stop illegal mining, illegal storage and illegal transportation of mineral in the State.	S. N.	Financial Year	Illegal mining/ storage/ transportation cases	Penalty Recovered (In Rs. Crore)	1.	2015-2016	1324	12.27	2.	2016-2017	1424	4.41	3.	2017-2018	3231	9.44	4.	2018-2019	2649	26.99	5.	2019-2020	2502	9.62	6.	2020-2021	2752	18.05	7.	2021-2022	1818	13.17	8.	2022-23	2250	17.04	9.	2023-24 Upto February 2024	2247	17.05		Total	20,197	128.04
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	Total	20,197	128.04																																											
24.	Action against identified polluters, Law violators and officers responsible for failure for vigorous monitoring.	Uttarakhand Pollution Control Board has collected a sum of Rs. 4.84 Crore from various defaulters / law violators as an environment compensation.																																												

Monthly Progress Report of the month of February-2024

S.No.	DistrictName	ULBName	Total Wards	Wards with 100% D2D Collection	Wards with 100% Source segregation	Generation (MTPD)	Processed (MTPD)
1	UTTARKASHI	BARKOT (NPP)	7	7	7	3.17	0.83
2	UTTARKASHI	BARAHAT UTTARKASHI	11	11	11	9.67	9.67
3	UTTARKASHI	GANGOTRIDHAM	4	4	4	0.00	0.00
4	UTTARKASHI	PUROLA	7	7	7	2.50	2.60
5	UTTARKASHI	CHIMYALISUR	7	7	7	2.42	0.00
6	UTTARKASHI	NAUGAON	7	7	7	1.93	0.00
1	UTTARKASHI		43	43	43	19.68	13.10
7	CHAMOLI GOPESHWAR	BADRINATH	4	4	4	0.00	0.00
8	CHAMOLI GOPESHWAR	JOSHIMATH	9	9	9	3.20	1.83
9	CHAMOLI GOPESHWAR	CHAMOLI GOPESHWAR	11	11	11	3.00	0.00
10	CHAMOLI GOPESHWAR	NANDPRAYAG	4	4	4	0.48	0.48
11	CHAMOLI GOPESHWAR	GAUCHAR	7	7	7	3.84	3.84
12	CHAMOLI GOPESHWAR	KARNAPRAYAG	7	7	7	2.20	0.67
13	CHAMOLI GOPESHWAR	GAIRSAIN	7	7	7	1.30	1.30
14	CHAMOLI GOPESHWAR	POKHARI	7	7	7	1.93	1.93
15	CHAMOLI GOPESHWAR	THARALI	4	4	4	0.80	0.07
16	CHAMOLI GOPESHWAR	PIPALKOTI	4	4	4	0.02	0.02
2	CHAMOLI GOPESHWAR		64	64	64	16.78	10.15
17	RUDRAPRAYAG	KEDARNATH	1	1	1	0.00	0.00
18	RUDRAPRAYAG	RUDRAPRAYAG	7	7	7	3.09	2.67
19	RUDRAPRAYAG	UKHIMATH	4	4	4	0.15	0.15
20	RUDRAPRAYAG	AUGUSTMUNI	7	7	7	1.20	1.20
21	RUDRAPRAYAG	TILWARA	4	4	4	0.80	0.78
3	RUDRAPRAYAG		23	23	23	5.24	4.80
22	TEHRI	KIRTINAGAR	4	4	4	1.00	1.00
23	TEHRI	DEVAPRAYAG	4	4	4	0.43	0.43
24	TEHRI	TEHRI	11	11	10	9.80	9.80
25	TEHRI	CHAMBA_U	9	9	9	3.42	3.42
26	TEHRI	NARENDRANAGAR	7	7	7	1.25	1.25
27	TEHRI	MUNI-KI-RETI	11	11	11	14.57	14.57
28	TEHRI	GHANSALI	7	7	7	1.97	1.97
29	TEHRI	LAMB GAON	4	4	4	1.17	0.00
30	TEHRI	GAJA	4	4	4	0.83	0.85
31	TEHRI	CHAMIYALA	7	7	7	2.00	0.00
32	TEHRI	TAPOVAN	4	4	4	1.37	0.00
4	TEHRI		72	72	71	37.80	33.28
33	DEHRADUN	VIKASNAGAR	11	11	11	8.50	8.50
34	DEHRADUN	HERBERTPUR	9	9	9	4.50	3.60
35	DEHRADUN	MUSOORIE	13	13	13	13.97	13.97
36	DEHRADUN	DEHRADUN	100	100	100	416.80	416.80
37	DEHRADUN	DOIWALA	20	20	20	17.10	17.10
38	DEHRADUN	RISHIKESH	40	40	40	118.60	118.60
39	DEHRADUN	SELAQUI (CENTRAL HOPETOW	9	9	0	0.00	0.00
5	DEHRADUN		202	202	193	579.47	578.56
40	PAURI GARHWAL	SRINAGAR	13	13	13	14.33	15.93
41	PAURI GARHWAL	PAURI	11	11	11	7.73	0.00
42	PAURI GARHWAL	DOGADDA	4	4	4	0.22	0.22
43	PAURI GARHWAL	KOTDWARA	40	40	40	57.80	57.80
44	PAURI GARHWAL	SWARGASHRAM	4	4	4	4.00	4.00
45	PAURI GARHWAL	SATPULI	4	4	4	1.29	1.28
46	PAURI GARHWAL	THALISAIN	4	0	0	1.03	0.17
6	PAURI GARHWAL		80	76	76	86.40	79.40
47	PITHORAGARH	DHARCHULA	7	7	7	4.03	0.98
48	PITHORAGARH	DIDIHAT	7	7	7	3.20	3.20
49	PITHORAGARH	PITHORAGARH	20	20	16	23.33	23.33
50	PITHORAGARH	GANGOLIHAT	7	7	7	0.20	0.11
51	PITHORAGARH	BERINAG	7	7	7	1.50	1.50
7	PITHORAGARH		48	48	44	32.27	29.12


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52	BAGESHWAR	BAGESHWAR					
53	BAGESHWAR	KAPKOT	11	11	11	7.26	3.25
54	BAGESHWAR	GARUD	7	7	7	0.97	0.97
8	BAGESHWAR		7	0	0	0.00	0.00
55	ALMORA	DWARHAT	25	18	18	8.22	4.21
56	ALMORA	ALMORA	4	4	4	0.58	0.91
57	ALMORA	RANIKHET-CHILIYANAULA	13	13	13	9.78	1.27
58	ALMORA	BHIKYASAIN	7	7	7	4.00	4.00
59	ALMORA	CHAWKHUTIYA	4	4	4	1.93	1.93
9	ALMORA		4	4	0	0.60	0.60
60	CHAMPAWAT	CHAMPAWAT	32	32	28	16.90	8.71
61	CHAMPAWAT	LOHAGHAT	9	9	7	4.37	4.37
62	CHAMPAWAT	TANAKPUR	7	5	5	2.40	2.40
63	CHAMPAWAT	BANBASA	11	11	5	4.00	0.37
10	CHAMPAWAT		7	7	7	2.00	0.67
64	NAINITAL	NAINITAL	34	32	24	12.77	7.80
65	NAINITAL	BHOWALI	15	15	15	9.34	15.77
66	NAINITAL	BHIMTAL	7	7	7	1.93	2.37
67	NAINITAL	HALDWANI	9	9	9	2.90	2.90
68	NAINITAL	RAMNAGAR_U	60	60	49	127.20	127.20
69	NAINITAL	KALADHUNGI	20	20	20	11.41	3.33
70	NAINITAL	LALKUAN	7	7	7	3.53	0.03
11	NAINITAL		7	7	7	4.23	4.73
71	UDHAMSINGH NAGAR	KASHIPUR	125	125	114	160.55	156.33
72	UDHAMSINGH NAGAR	MAHUA KHERAGANJ	40	40	25	57.83	57.33
73	UDHAMSINGH NAGAR	MAHUADABRA	9	9	0	3.18	3.18
74	UDHAMSINGH NAGAR	JASPUR	7	7	7	2.83	4.70
75	UDHAMSINGH NAGAR	SULTANPUR_U	20	20	12	24.84	24.84
76	UDHAMSINGH NAGAR	BAZPUR	7	7	7	3.67	1.83
77	UDHAMSINGH NAGAR	KELA KHERA	13	13	13	9.72	5.46
78	UDHAMSINGH NAGAR	RUDRAPUR	9	9	9	4.50	0.39
79	UDHAMSINGH NAGAR	RUDRAPUR	40	40	10	105.91	105.91
80	UDHAMSINGH NAGAR	KICHHA	20	20	15	21.17	13.17
81	UDHAMSINGH NAGAR	GADARPUR	11	11	11	7.25	7.25
82	UDHAMSINGH NAGAR	DINESHPUR	9	9	9	4.40	0.03
83	UDHAMSINGH NAGAR	SHAKTIGARH	7	7	7	1.16	0.35
84	UDHAMSINGH NAGAR	SITARGANJ	13	13	13	18.37	0.63
85	UDHAMSINGH NAGAR	KHATIMA	20	20	0	17.40	0.00
86	UDHAMSINGH NAGAR	NANAKAMTTA	7	7	7	3.90	1.10
87	UDHAMSINGH NAGAR	GULARBHOJ	7	7	5	2.13	2.57
88	UDHAMSINGH NAGAR	NAGLA	20	0	0	4.50	0.00
88	UDHAMSINGH NAGAR	LALPUR	4	0	0	0.04	0.00
12	UDHAMSINGH NAGAR		263	239	150	292.79	228.74
89	HARDWAR	ROORKEE (NN)	40	40	40	87.33	78.00
90	HARDWAR	JHABRERA	9	9	9	10.00	10.00
91	HARDWAR	MANGLAUR	20	20	20	0.00	10.00
92	HARDWAR	LANDHAURA	9	9	9	7.73	7.73
93	HARDWAR	HARDWAR	60	60	60	148.00	148.00
94	HARDWAR	LAKSAR	11	11	11	15.47	15.47
95	HARDWAR	SHIVALIK NAGAR	13	13	13	7.50	7.50
96	HARDWAR	BHAGWANPUR	9	9	9	7.67	7.67
97	HARDWAR	PIRAN KALIYAR	9	9	9	9.67	9.23
98	HARDWAR	IMLIKHEDA	9	9	3	8.00	0.00
99	HARDWAR	RAMPUR	11	0	0	3.38	7.00
100	HARDWAR	PADLI GUJJAR	11	0	0	5.80	0.00
101	HARDWAR	DHANDHERA	11	0	0	2.05	0.00
102	HARDWAR	SULTANPUR-ADAMPUR(NP)	9	0	0	8.17	8.17
13	HARDWAR		231	189	183	320.77	308.77
TOTAL			1242	1163	1031	1589.64	1462.97

11-03-24

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The Surface Water Quality of 09 polluted river stretches for the month of February, 2024

S. No.	Name of Polluted River Stretches	Sampling Date	US/ DS	Location	Latitude-Longitude	pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	EC (µS/cm)	TDS (mg/l)	TSS (mg/l)	Total Coliforms (MPN /100ml)	Faecal Coliform (MPN /100 ml)
1	Dhella	07.02.2024	US	Dhella Bridge, Kashipur, Bhelijudi	29°13'12" N 78°56'42" E	7.84	7	2.4	18	254	166	19	280	220
		07.02.2024	DS	Gehruwala Village Pratappur	29°08'30" N 78°05'20" E	7.42	2.4	22	160	525	348	72	1600	540
2	Bhella	07.02.2024	US	Bahella Bridge, Kashipur	29°16'43" N 79°01'19" E	7.41	6.8	2.4	15	252	165	26	280	220
		07.02.2024	DS	Bahella River rajpura tanda	29°07'45" N 78°59'03" E	6.6	2.1	20	112	378	248	62	1600	920
3	Kichha	08.02.2024	US	Main Road Kichha	28°57'43" N 79°32'17" E	7.59	6.4	2.5	16	416	282	16	1600	540
		08.02.2024	DS	Kichha Bridge	29°52'59" N 79°30'56" E	7.82	5.6	3.3	28	565	356	28	540	350
4	Suswa	09.02.2024	US	Mothrawala	30°13'59" N 78°01'48" E	7.49	2.4	28.0	100	505	335	-	17×102	14×102
		09.02.2024	DS	Barafutta	30°8'19.9" N 78°7'49.8" E	7.77	5.2	3.0	9.0	438	291	-	280	220
5	Kalyani	08.02.2024	US	Pantnagar Ind. Area Rudrapur	29°01'44" N 79°24'28" E	7.96	6.5	2.4	16	442	294	17	920	350
		08.02.2024	DS	Rampura ground Rudrapur	28°57'52" N 79°24'08" E	7.18	Nil	44	320	824	532	186	1700	1400
6	Kosi	07.02.2024	US	Bajpur bridge Sultanpur patti	28°09'32" N 79°02'19" E	7.62	7.7	2.4	16	370	246	30	350	220
		07.02.2024	DS	Bypass bridge pattikalan	29°04'31" N 79°02'24" E	7.85	7.4	2.8	20	394	265	42	2100	1700
7	Pilakhar	07.02.2024	US	Bajpur	29°10'21" N 79°08'44" E	River was dry								
		07.02.2024	DS	Rampur (U.P.)	29°12'12" N 78°58'42" E	7.23	1.2	24	176	498	328	78	2200	1700
8	Nandhour	08.02.2024	US	Sitarganj	29°04'36" N 79°41'36" E	7.49	8.2	1.6	8	222	146	18	920	430
		08.02.2024	DS	Nandhor Bridge, Sitarganj	28°55'149" N 79°44'38" E	7.81	7.8	2.4	12	352	233	32	1600	920
9	Ganga	07.02.2024	US	Bindughat Dudhiyaban	29.970608°N- 78.183854°E	7.70	9.2	1.2	8.0	266	170	-	140	70
		06.02.2024	DS	Sultanpur	29.699043°N -78.166559°E	7.70	8.5	1.6	12.0	391	250	-	170	94

Status of release of E-flow as per NGT order dated 09.08.2017 from the Hydro projects (> 25 MW) situated in the river/tributary other than Ganga river basin in the State of Uttarakhand
(February 2024)

S.No .	Name of Hydro Power Project	Capacity (MW)	District	Developer	Months	E-Flow Norms*	Compliance of e-flow notification			
							Average lean season flow (Cumecs)	E-Flow Released (Cumecs)	% of E-Flow released	Remark
1	Dhauliganga HEP	280	Pithoragarh	NHPC	Feb-24	Minimum 15% of Average Lean Season flow	4.00	4.28	107.00%	As per the information received from NHPC
2	Tanakpur	120	Champawat	NHPC	Feb-24		164.00	25.00	15.24%	
3	Dakpathar Barrage (Dhalipur + Dhakrani)	(51 + 33.75)	Dehradun	UJVNL	Feb-24		67.71	10.26	15.15%	As per the information received from UJVNL
4	Kulhal	30	Dehradun	UJVNL	Feb-24		13.03	2.27	17.42%	
5	Ichadi Dam (Chibro + Khodri)	(240 + 120)	Dehradun	UJVNL	Feb-24		72.46	11.17	15.42%	

* As per Hon'ble National Green Tribunal (NGT) order dated 09.08.2017 in Original Application no. 498 of 2015 (M.A No. 628/2016) Pushp Saini Vs MoEF&CC, GoI and others, Government of Uttarakhand vide order dated 05.06.2018 directed all the hydro project developers in the State of Uttarakhand to release minimum e-flow of 15% of the average lean season flow of that river from their projects.

**Status of release of E-flow as per NGT order dated 09.08.2017 from the Small Hydro projects (<25 MW)
situated in the river/tributary Ganga & other river basin in the State of Uttarakhand
(February 2024)**

S.No.	Name of Hydro Power Project	Capacity (MW)	District	Developer	Months	E-Flow Norms*	Compliance of e-flow notification			
							Average lean season flow (Cumecs)	E-Flow Released (Cumecs)	% of E-Flow released	Remark
1	Loharkhet	4.8	Bageshwar	Parvatiya Power	Feb-24	Minimum 15% of Average Lean Season flow	1.47	0.22	15.14%	As per the information received from respective developer
2	Gangani	8	Uttarkashi	Regency Gangani Energy	Feb-24		5.10	0.91	17.84%	
3	Badyar	4.9	Uttarkashi	Regency Yamuna Energy	Feb-24		1.30	0.28	21.54%	
4	Sarju-II	0	Bageshwar	Uttar Bharat Hydro	Feb-24		2.01	0.31	15.42%	
5	Sarju-III	10.5	Bageshwar	Uttar Bharat Hydro	Feb-24		4.06	0.63	15.52%	
6	Motighat	5	Pithoragarh	Himalya Hydro (P) Ltd.	Feb-24		3.04	0.51	16.78%	
7	Tanga	5	Pithoragarh	Himalya Hydro (P) Ltd.	Feb-24		3.04	0.51	16.78%	
8	Galogi SHP	3.5 MW	Dehradun	UJVNL	Feb-24		0.3	0.07	23.33%	As per the information received from UJVNL
9	Ram Prasad Nautiyal, Dunao SHP	1.5 MW	Pauri Garhwal	UJVNL	Feb-24		1.29	0.23	17.83%	
10	Rajwakti	3.6	Chamoli	Him Urja	Feb-24		5.07	1.44	28.40%	As per the information received from respective developer
11	Vanala	15	Chamoli	Him Urja	Feb-24		4.21	1.32	31.35%	
12	Debal	5	Chamoli	Chamoli Hydro	Feb-24		2.50	0.65	26.00%	
13	Agunda Thati	3	Tehri	Gunsola Hydro	Feb-24		1.77	0.27	15.25%	
14	Bhilangana	22.5	Tehri	Swasti Power	Feb-24		3.95	1.46	36.96%	
15	Bhilangana- III	24	Tehri	Bhilangna Hydro Power	Feb-24		4.52	0.90	19.91%	
16	Birahiganga	7.2	Chamoli	Birahiganga Hydro Power	Feb-24		2.70	0.44	16.30%	
17	Pilangad SHP	2.25	Uttarkashi	UJVNL	Feb-24		2.84	1.87	65.85%	As per the information received from UJVNL
18	Urgam SHP	3	Chamoli	UJVNL	Feb-24		1.86	1.86	100.00%	
19	Kaliganga -I SHP	4	Rudraprayag	UJVNL	Feb-24		0.74	0.16	21.62%	
19	Kaliganga -II SHP	4.5	Rudraprayag	UJVNL	Feb-24		2.99	0.62	20.74%	

* As per Hon'ble National Green Tribunal (NGT) order dated 09.08.2017 in Original Application no. 498 of 2015 (M.A No. 628/2016) Pushp Saini Vs MoEF&CC, GoI and others, Government of Uttarakhand vide order dated 05.06.2018 directed all the hydro project developers in the State of Uttarakhand to release minimum e-flow of 15% of the average lean season flow of that river from their projects.



CENTRAL LABORATORY

Analysis Report of Sewage Treatment Plants (STPs) for the Month of February 2024

S.No.	Name of the Sewage Treatment Plant (With Capacity)	Sampling Point						
		Inlet of STP			Outlet of STP			
		pH	BOD	TSS	pH	BOD	TSS	Fecal Coliform
1	2.70 MLD STP at Marwari, Joshimath. (Operated by: Uttarakhand Peyjal Nigam)	7.15	95	99	7.37	8.8	12	170
2	1.080 MLD STP at Pokhri, Joshimath. (Operated by: Uttarakhand Jal Sansthan)	7.19	105	108	7.48	10.8	14	280
3	0.760 MLD STP Near Alaknanda Ghat, Chamoli. (Operated by: Uttarakhand Jal Sansthan)	6.74	155	159	7.12	140	142	1600
		STP found operational during the visit but plant condition was bad as Sewage Pit tank was found completely filled with Raw effluent and due to overflow untreated / Raw effluent was discharged directly into Alaknanda River. (Date of Inspection: 07-02-2024).						
4	0.050 MLD STP Near old Suspension Bridge, Chamoli. (Operated by: Uttarakhand Jal Sansthan)	6.90	150	154	7.05	35.0	40	920
5	1.190 MLD STP at Vivekanand Colony, Gopeshwar. (Operated by: Uttarakhand Jal Sansthan)	7.10	150	147	7.29	9.6	12	170
6	1.120 MLD STP at Baitarni, Gopeshwar. (Operated by: Uttarakhand Jal Sansthan)	7.03	155	152	7.20	10.8	13	540
7	1.25 MLD STP at Pokhri Band, Gopeshwar. (Operated by: Uttarakhand Jal Sansthan)	7.29	150	148	7.44	8.8	09	350
8	0.050 MLD STP at Sangam Road, Nandprayag. (Operated by: Uttarakhand Jal Sansthan)	7.37	130	126	STP found Non-operational due to Mechanical issue. (Date of Inspection: 07-02-2024).			
9	0.100 MLD STP at Forest Office, Nandprayag (Operated by: Uttarakhand Jal Sansthan)	7.28	115	113	7.51	105	102	1600
		STP found operational but due to overflow untreated effluent was discharged into Nandakini River. (Date of inspection: 07-02-2024).						
10	0.050 MLD STP Near Police Chowki, Karanprayag. (Operated by: Uttarakhand Jal Sansthan)	7.11	105	103	7.29	9.6	11	540
11	0.100 MLD STP Near Purana Pull, Karanprayag. (Operated by: Uttarakhand Peyjal Nigam)	6.57	155	160	6.98	10.4	14	350
		STP was operational but due to overflow condition untreated effluent was found discharging into Pindar River. (Date of Inspection: 07-02-2024).						
12	0.100 MLD STP at Ward no. 1&3, Karanprayag. (Operated by: Uttarakhand Peyjal Nigam)	7.24	125	123	7.38	10.0	12	430
13	0.050 MLD STP at Subhash Nagar, Karanprayag. (Operated by: Uttarakhand Jal Sansthan)	6.89	120	117	7.12	8.8	11	350
14	0.050 MLD STP Near Naya Pull, Karanprayag. (Operated by: Uttarakhand Peyjal Nigam)	7.30	135	132	7.48	9.6	11	170



CENTRAL LABORATORY

S.No.	Name of the Sewage Treatment Plant (With Capacity)	Sampling Point						
		Inlet of STP			Outlet of STP			
		pH	BOD	TSS	pH	BOD	TSS	Fecal Coliform
15	0.075 MLD STP Near Anoop Negi School, Rudraprayag. (Operated by: Uttarakhand Jal Sansthan)	STP is not in operation due to Damage of STP.						
16	0.100 MLD STP, Near Rudra Complex, Rudraprayag. (Operated by: Uttarakhand Peyjal Nigam)	6.88	120	117	7.06	8.0	09	170
17	0.075 MLD STP, Near Bus Stand, Rudraprayag. (Operated by: Uttarakhand Peyjal Nigam)	7.08	110	107	7.21	9.6	10	280
18	0.100MLD STP, Near SBI & Maszid, Rudraprayag. (Operated by: Uttarakhand Peyjal Nigam)	6.69	125	123	STP found Non-operational during the time of visit. (Date of Inspection: 13-02-2024).			
19	0.125 MLD STP, Near Steel Bridge & Syndicate Bank, Rudraprayag. (Operated by: Uttarakhand Jal Sansthan)	6.94	115	112	7.13	9.2	10	350
		STP was operational but due to overflow untreated effluent was found discharging into Alaknanda River. (Date of Inspection: 13-02-2024).						
20	0.050 MLD STP at Beleni Road, Near Steel Bridge, Rudraprayag. (Operated by: Uttarakhand Peyjal Nigam)	7.19	125	128	STP found Non-operational because of power failure and also Diesel Generator (DG) Set was not working. (Date of Inspection: 13-02-2024).			
21	0.075 MLD STP Near Junior High School, Srikot, Srinagar. (Operated by: Uttarakhand Peyjal Nigam)	6.79	110	108	7.10	9.2	10	210
22	0.050 MLD STP Near Tauliya Nala, Srikot, Srinagar. (Operated by: Uttarakhand Peyjal Nigam)	7.66	115	113	7.83	8.0	08	94
23	3.5 MLD STP at Nursary Road, Srinagar. (Operated by: Uttarakhand Peyjal Nigam)	6.70	205	208	7.47	8.8	11	110
24	1.0 MLD STP, Near ITI, Srinagar. (Operated by: Uttarakhand Jal Sansthan)	7.12	185	189	7.60	9.6	12	130
25	0.050 MLD STP, Near BRO Bridge, Kirtinagar. (Operated by: Uttarakhand Jal Sansthan)	6.80	150	152	STP found Non-operational because of power failure and also Diesel Generator (DG) Set was not working due to non-availability of fuel. (Date of Inspection: 12-02-2024).			
26	0.010 MLD STP, Near Temple, Kirtinagar. (Operated by: Uttarakhand Jal Sansthan)	6.54	145	150	7.04	10.0	14	920
27	0.075 MLD STP at Devprayag. (Operated by: Uttarakhand Peyjal Nigam)	7.51	155	152	7.69	8.8	09	220
28	0.150 MLD STP at Devprayag. (Operated by: Uttarakhand Peyjal Nigam)	7.10	165	161	7.50	9.6	11	130
29	1.4 MLD STP at Pauri Road, Devprayag. (Operated by: Uttarakhand Jal Sansthan)	7.18	145	141	7.80	8.8	09	140
		STP found operational during visit but insufficient Raw effluent/ Inlet is received due to breakage of Sewage Pumping Station (SPS) line. (Date of Inspection: 12-02-2024).						
30	5.0 MLD STP at Bhagirathi Puram, Tehri. (Operated by: Uttarakhand Jal Sansthan)	6.65	185	189	7.29	10.8	16	350



CENTRAL LABORATORY

S.No.	Name of the Sewage Treatment Plant (With Capacity)	Sampling Point						
		Inlet of STP			Outlet of STP			
		pH	BOD	TSS	pH	BOD	TSS	Fecal Coliform
31	2.0 MLD STP at Gyansu, Uttarkashi. (Operated by: Uttarakhand Jal Sansthan)	7.06	205	210	7.22	9.6	13	920
32	3.5 MLD STP at Tapovan, Rishikesh. (Operated by: Uttarakhand Jal Sansthan)	7.25	210	215	7.43	10.0	14	540
33	3.0 MLD STP at Swargashram, Rishikesh. (Operated by: Uttarakhand Jal Sansthan)	7.10	215	219	7.63	9.2	11	170
34	26 MLD STP at Lakkarghat, Rishikesh. (Operated by: Uttarakhand Peyjal Nigam)	7.13	175	172	7.32	8.8	09	110
35	5.0 MLD STP at Chorpani, Rishikesh. (Operated by: Uttarakhand Peyjal Nigam)	STP found Non-operational as no effluent/sewage is reaching to the plant because of breakdown of Main pumping station (MPS) pump. (Date of Inspection: 06-02-2024).						
36	7.5 MLD STP at Chandreshwar Nagar, Rishikesh. (Operated by: Uttarakhand Peyjal Nigam)	7.44	150	148	7.58	9.2	10	94
37	20 MLD STP at Motharawala-I, Dehradun. (Operated by: Uttarakhand Jal Sansthan)	7.29	155	160	7.91	10.0	14	170
38	20 MLD STP at Motharawala-II, Dehradun. (Operated by: Uttarakhand Jal Sansthan)	7.34	150	154	7.69	11.2	17	22×10 ²
39	68 MLD STP at Kargi, Dehradun. (Operated by: Uttarakhand Jal Sansthan)	6.38	165	169	7.61	9.6	12	150
40	0.42 MLD STP at Vijay Colony, Dehradun. (Operated by: Uttarakhand Jal Sansthan)	7.33	160	162	7.63	9.2	11	280
41	0.71 MLD STP Salawala, Dehradun. (Operated by: Uttarakhand Jal Sansthan)	7.27	165	162	7.60	8.8	10	110
42	5.0 MLD STP at Indira Nagar, Dehradun. (Operated by: Uttarakhand Jal Sansthan)	7.30	155	158	7.57	9.2	13	220
43	1.0 MLD STP at Jakhan, Dehradun. (Operated by: Uttarakhand Jal Sansthan)	7.28	145	149	8.01	9.2	12	170
44	27 MLD STP at Jagjeetpur, Haridwar. (Operated by: Uttarakhand Jal Sansthan)	6.96	160	110	7.19	8.0	6.0	79
45	18 MLD STP at Jagjeetpur, Haridwar. (Operated by: Uttarakhand Jal Sansthan)	7.04	125	170	7.21	9.6	8.0	94
46	68 MLD STP at Jagjeetpur, Haridwar. (Operated by: Uttarakhand Peyjal Nigam)	7.12	120	140	7.41	6.4	7.0	94



CENTRAL LABORATORY

S.No.	Name of the Sewage Treatment Plant (With Capacity)	Sampling Point						
		Inlet of STP			Outlet of STP			
		pH	BOD	TSS	pH	BOD	TSS	Fecal Coliform
47	18 MLD STP at Sarai, Haridwar. (Operated by: Uttarakhand Jal Sansthan)	7.08	165	110	7.18	7.2	6.0	84
48	14 MLD STP at Sarai, Haridwar. (Operated by: Uttarakhand Peyjal Nigam)	7.19	165	160	7.29	10.0	9.0	79
49	33 MLD STP at Saliyar, Roorkee, Haridwar. (Operated by: Uttarakhand Jal Sansthan)	7.15	160	120	7.66	10.0	10.0	220
50	1.3 MLD STP at Landour (S), Mussoorie. (Operated by: Uttarakhand Jal Sansthan)	6.71	150	147	7.11	9.2	10	350
51	3.12 MLD STP at Bhatta fall, Mussoorie. (Operated by: Uttarakhand Jal Sansthan)	6.62	140	136	7.30	8.8	08	110
52	0.8 MLD STP at Landour (N), Mussoorie. (Operated by: Uttarakhand Jal Sansthan)	6.90	150	148	7.87	9.6	10	140
53	1.2 MLD STP at Happy Valley, Mussoorie. (Operated by: Uttarakhand Jal Sansthan)	7.13	170	173	7.48	9.2	10	130
54	0.9 MLD STP at Kurli Bazaar, Mussoorie. (Operated by: Uttarakhand Jal Sansthan)	6.95	185	189	7.78	10.0	13	280
55	2.0 MLD STP Bakh, Almora, Distt-Almora. (Operated by: Uttarakhand Jal Sansthan)	6.60	320	389	8.12	20.0	25	140
56	0.45 MLD STP at Hari Nagar, Distt-Nainital. (Operated by: Uttarakhand Jal Sansthan)	6.99	240	296	7.54	20.0	27	94
57	0.80 MLD STP at Krishnapur, Distt-Nainital. (Operated by: Uttarakhand Jal Sansthan)	6.71	280	348	7.16	22.0	28	170
58	1.25 MLD STP at Bheemtal, Distt-Nainital. (Operated by: Uttarakhand Jal Sansthan)	6.46	360	440	7.70	28.0	35	210
59	1.25 MLD STP at Nirada, Distt-Pithoragarh. (Operated by: Uttarakhand Peyjal Nigam)	6.91	245	314	7.52	26.0	32	150
60	5.0 MLD STP at Aincholi, Distt-Pithoragarh. (Operated by: Uttarakhand Peyjal Nigam)	6.72	260	322	7.95	28.0	38	240
61	1.5 MLD STP at Puchdi, Ramnagar, Nainital. (Operated by: Uttarakhand Jal Sansthan)	6.90	220	278	7.33	8.0	10	79
62	7.0 MLD STP Transport Nagar, Ramnagar, Distt-Nainital. (Operated by: Uttarakhand Jal Sansthan)	7.10	162	204	7.79	6.0	7.0	94

UTTARAKHAND POLLUTION CONTROL BOARD
Gaura devi Paryavaran Bhawan
46-B, SIDCUL, IT Park, Sahashtradhara Road
DEHRADUN (Uttarakhand)



उत्तराखण्ड प्रदूषण नियंत्रण बोर्ड
गौरा देवी पर्यावरण भवन
46-बी, सिडकुल, आई.टी. पार्क, सहस्त्रधारा रोड़,
देहरादून (उत्तराखण्ड)

CENTRAL LABORATORY

S.No.	Name of the Sewage Treatment Plant (With Capacity)	Sampling Point						
		Inlet of STP			Outlet of STP			
		pH	BOD	TSS	pH	BOD	TSS	Fecal Coliform
63	0.45 MLD STP Narayan Nagar , Distt- Nainital . (Operated by: Uttarakhand Jal Sansthan)	6.92	224	282	7.23	22.0	28.0	170
64	28 MLD STP, Indra Nagar, Haldwani Distt- Nainital . (Operated by: Uttarakhand Peyjal Nigam)	6.55	260	324	7.58	20.0	24	130
65	10 MLD STP Rusi Pond , District- Nainital.	New Sewage Treatment Plant (STP) of 17.5 MLD capacity is under construction.						
Sewage Treatment final effluent standards (As Notified by MoEF&CC).					6.5-9.0	30	<100	<1000
Note: All values are in mg/l except pH, Fecal coliform (MPN Per 100 ml).								

* The Monitoring of 04 STPs (Badrinath-03 (District-Chamoli) & Gangotri-01 (District-Uttarkashi) not performed because of seasonal closure.

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