HEAD OFFICE
Uttarakhand Pollution Control Board
"Gaura Devi Paryavaran Bhawan"
46B, IT Park, Sahastradhara Road, Dehra Dun
E-mail : msukpcb@yahoo.com, Phone No.-0135-2607092

Ref : UKPCB/HO/Gen-476(Vol-V)/2024/773 Dehradun - ~~August 9, 2024~~ 06/9/2024

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 July, 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 July, 2024 along with Annexure 1 to 4 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.

July 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 427.915 MLD treatment capacity

District	Installed capacity (MLD)	Capacity Utilization (MLD)
Chamoli	9.92	2.693
Rudraprayag	0.525	0.289
Pauri	7.625	5.692
Tehri	22.685	14.701
Uttarkashi	3.00	1.983
Haridwar	178.00	175.014
Dehradun	148.46	62.821
Nainital	49.45	25.460
Almora	2.00	1.65
Pithoragarh	6.25	2.95
Total	**427.915**	**293.253**

Capacity Utilization of existing STPs	293.253 MLD
MLD of sewage being treated through alternate technology	192.085 MLD Through Septic tank and Soak pit.
No. of Operational STPs	60 Nos.
No. of Non-Operational STPs	09 Nos. (i) 0.010 MLD STP near Temple, Badrinath (ii) 0.075 MLD STP near Anoop Negi School, Rudraprayag. (iii) 10 MLD STP Rusi Pond at Nainital. (iv) 0.100 MLD STP near Rudra Complex, Rudraprayag (v) 0.075 MLD STP near Bus Stand, Rudraprayag (vi) 0.050 MLD STP near BRO Bridge, Kirtinagar (vii) 0.010 MLD STP near Temple, Kirtinagar (viii) 0.075 MLD STP at Devprayag (ix) 5.0 MLD STP at Chorpani, Rishikesh
No. of Complying STP's (Out of 60 Operational STPs monitored in the month of July, 2024)	▪ As per standards notified by MoEF& CC: **60** ▪ As per standards prescribed by the Hon'ble NGT order dated 30.04.2019: **44**

No. of non-complying STP's (Out of 60 Operational STPs monitored in the month of July, 2024)	▪ As per standards notified by MoEF&CC: **00** ▪ As per standards prescribed by the Hon'ble NGT order dated 30.04.2019: **16**

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 July, 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	Operational	Complying	Complying
2.	Badrinath (Near Temple) Distt.- Chamoli ***(Operated by: Uttarakhand Jal Sansthan)***	0.01	0.005	Non - Operational	As the area around the STP comes under Master Plan so the demolition of structure work around the STP was in progress and the STP was non-operation due to the same reason. (Date of inspection: -04-07-2024).	
3.	Badrinath (Near suspension Bridge) Distt. Chamoli ***(Operated by: Uttarakhand Jal Sansthan)***	1.00	0.200	Operational	Complying	Complying
4.	Joshimath (Pokhri) Distt.-Chamoli ***(Operated by: Uttarakhand Jal Sansthan)***	1.08	0.421	Operational	Complying	Complying
5.	Chamoli Ghat Distt.-Chamoli ***(Operated by: Uttarakhand Jal Sansthan)***	0.76	0.05	Operational	Complying	Non - Complying
6.	Chamoli (Near Suspension bridge) Distt. Chamoli	0.05	0.010	Operational	Complying	Non - Complying

	(Operated by: Uttarakhand Jal Sansthan)					
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	Complying
9.	Gopeshwar (Pokhari Band) Distt.-Chamoli ***(Operated by: Uttarakhand Jal Sansthan)***	1.25	0.50	Operational	Complying	Complying
10.	Nandprayag (Sangam Road) Distt.-Chamoli (***Operated by: Uttarakhand Jal Sansthan)***	0.05	0.015	Operational	Complying	Complying
11.	Nandprayag (Forest office) Distt.-Chamoli ***(Operated by: Uttarakhand Jal Sansthan)***	0.10	0.09	Operational	Complying	Complying
12.	Karanprayag (Police chowki) Distt.-Chamoli ***(Operated by: Uttarakhand Jal Sansthan)***	0.05	0.05	Operational	Complying	Complying
13.	Karanprayag (Purana pull) Distt.-Chamoli ***(Operated by: Uttarakhand Peyjal Nigam)***	0.10	0.039	Operational	Complying	Non - Complying
14.	Karanprayag (Ward no. 1&3) Distt.-Chamoli ***(Operated by: Uttarakhand Peyjal Nigam)***	0.10	0.027	Operational	Complying	Complying
15.	Karanprayag (Subhash Nagar) Distt.-Chamoli ***(Operated by: Uttarakhand Jal Sansthan)***	0.05	0.04	Operational	Complying	Complying
16.	Karanprayag (Naya Pull) Distt.-Chamoli	0.05	0.018	Operational	Complying	Complying

	(Operated by: Uttarakhand Peyjal Nigam)					
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	0.048	Non - Operational	STP found Non-operational during the time of visit also overflow condition found in the plant and due to this untreated effluent was directly discharging into Alaknanda River. (Date of inspection: 11-07-2024).	
19.	Rudraprayag (Near Bus Stand) Distt.-Rudraprayag ***(Operated by: Uttarakhand Peyjal Nigam)***	0.075	0.017	Non - Operational	STP found Non-operational because no effluent was reaching to the plant. (Date of inspection: -11-07-2024).	
20.	Rudraprayag (Near SBI & Maszid), Distt-Rudraprayag *(Operated by: Uttarakhand Peyjal Nigam)*	0.10	0.013	Operational	Complying	Non - Complying
21.	Rudraprayag (Near Steel Bridge), Distt-Rudraprayag ***(Operated by: Uttarakhand Jal Sansthan)***	0.125	0.125	Operational	Complying	Complying
22.	Rudraprayag (Belani) Distt-Rudraprayag ***(Operated by: Uttarakhand Peyjal Nigam)***	0.05	0.011	Operational	Complying	Complying
23.	Kirtinagar (BRO Bridge), Distt.-Tehri ***(Operated by: Uttarakhand Jal Sansthan)***	0.05	0.03	Non - Operational	STP found closed and Non-operational during the time of visit /inspection. (Date of inspection: 10-07-2024).	
24.	Kirtinagar (Near Temple), Distt-Tehri ***(Operated by: Uttarakhand Jal Sansthan)***	0.01	0.01	Non - Operational	STP found Non-operational during the time of visit /inspection. (Date of inspection: 10-07-2024).	
25.	Bhagirathipuram, Distt. -Tehri *(Operated by: Uttarakhand Jal Sansthan)*	5.00	2.50	Operational	Complying	Complying
26.	Chorpani, Dhalwala, Distt.-Tehri ***(Operated by:***	5.00	3.299	Non - Operational	STP found Non-operational during the time of visit/ inspection and also overflow condition found	

	Uttarakhand Peyjal Nigam)				in the plant. (Date of inspection: 08-07-2024).	
27.	Chandreshwar Ghat, Dhalwala, Distt.-Tehri ***(Operated by: Uttarakhand Peyjal Nigam)***	7.50	7.476	Operational	Complying	Complying
28.	Tapovan, Rishikesh Distt.-Tehri ***(Operated by: Uttarakhand Jal Sansthan)***	3.50	1.10	Operational	Complying	Complying
29.	Shanti bazar, Devprayag, Distt.-Tehri ***(Operated by: Uttarakhand Peyjal Nigam)***	0.075	0.170	Non - Operational	STP found Non-operational during the time of visit /inspection. (Date of inspection: 10-07-2024).	
30.	Sangambazar, Devprayag Distt.-Tehri ***(Operated by: Uttarakhand Peyjal Nigam)***	0.15	0.076	Operational	Complying	Non - 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	Operational	Complying	Non - Complying
34.	Nursery Road, Srinagar Distt.-Pauri ***(Operated by: Uttarakhand Peyjal Nigam)***	3.50	3.0	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	0.016	Operational	Complying	Complying
37.	Near Junior High School, Srikot, Srinagar Distt.- Pauri	0.075	0.056	Operational	Complying	Complying

	(Operated by: Uttarakhand Peyjal Nigam)					
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	17.976	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	76.395	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	15.619	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	Complying	Complying
48.	Kargi, Dehradun Distt.-Dehradun ***(Operated by: Uttarakhand Jal Sansthan)***	68.00	13.00	Operational	Complying	Complying
49.	Vijay Colony, Dehradun Distt.-Dehradun	0.42	0.30	Operational	Complying	Complying

	(Operated by: Uttarakhand Jal Sansthan)					
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	Non - Complying
55.	Landour, South, Mussoorie Distt.-Dehradun ***(Operated by: Uttarakhand Jal Sansthan)***	1.30	0.150	Operational	Complying	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	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	2.00	1.65	Operational	Complying	Non -

	Distt.-Almora *(Operated by: Uttarakhand Jal Sansthan)*					Complying
62.	Roosi, Nainital, Distt.-Nainital *(Operated by: Uttarakhand Jal Sansthan)*	10.00	6.75	Under construction	New STP of 17.5 MLD capacity is under construction.	
63.	Ancholi, Pithoragarh Distt.-Pithoragarh ***(Operated by: Uttarakhand Peyjal Nigam)***	5.00	1.8	Operational	Complying	Non - Complying
64.	Nirada, Pithoragarh Distt.- Pithoragarh ***(Operated by: Uttarakhand Peyjal Nigam)***	1.25	1.150	Operational	Complying	Non - Complying
65.	Transport Nagar Ramnagar Distt.- Nainital *(Operated by: Uttarakhand Jal Sansthan)*	7.00	2.5	Operational	Complying	Complying
66.	Ramnagar, Puchdi, Distt.- Nainital *(Operated by: Uttarakhand Jal Sansthan)*	1.50	0.5	Operational	Complying	Complying
67.	Narayan Nagar, Nainital Distt. Nainital *(Operated by: Uttarakhand Jal Sansthan)*	0.450	-	Operational	Complying	Non - Complying
68.	Marwari, Joshimath Distt. -Chamoli *(Operated by: Uttarakhand Jal Sansthan)*	2.70	0.603	Operational	Complying	Complying
69.	Haldwani (Indira Nagar) Distt. -Nainital ***(Operated by: Uttarakhand Peyjal Nigam)***	28.00	14.2	Operational	Complying	Non - Complying
	Total	**427.915**	**293.253**			

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	Capacity of proposed co-treatment facility	Completion Timeline
1.	Kaulagarh Distt. -Dehradun	3.00	100%	-	-	Trial run started

Sl. No.	Location	Capacity of the plant in MLD	Physical progress in %	Status of I & D or House sewer connections	Capacity of proposed co-treatment facility	Completion Timeline
2.	Kashipur Distt. -US Nagar	18.00	95%	-	-	DOC-August-2024
3.	Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Dhella)	10.00	92%	-	0.050	DOC-Oct-2024
4.	Mukhandpur, Kashipur, Distt. U.S. Nagar (Proposed under River Rejuvenation of Kosi)	0.50	75%	-	-	DOC-Oct-2024
5.	Gularia, Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Dhella)	0.30	72%	-	-	DOC-Oct-2024
6.	Jaspur Khurd, Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Bhella)	1.00	60%	-	-	DOC-Oct-2024
7.	Hempur Smile, Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Bhella)	2.00	40%	-	-	DOC-Oct-2024
8.	Beljudi Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Dhella)	0.50	63%	-	-	DOC-Oct-2024
9.	Bazpur Distt. U.S. Nagar (Proposed under River Rejuvenation of Pilakhar)	10.00	66%	-	0.050	DOC-Oct-2024
10.	Kichha, Rudrapur Distt. U.S. Nagar (Proposed under River Rejuvenation of Kichha)	3.00	40%	-	0.015	DOC-Oct-2024
11.	Sitarganj Distt. U.S. Nagar (Proposed under River Rejuvenation of Nandhour)	3.00	40%	-	0.015	DOC-Oct-2024
12.	Arcadia Zone, Mussoorie Distt. Dehradn	0.70	12%	-	-	DOC 29-07-2024
13.	Library Zone, Mussoorie Distt. Dehradun	1.10	70%	-	-	DOC 29-07-2024
14.	Company Garden Zone Mussoorie, Distt. Dehradun	0.70	37%	-	-	DOC 29-07-2024

Sl. No.	Location	Capacity of the plant in MLD	Physical progress in %	Status of I & D or House sewer connections	Capacity of proposed co-treatment facility	Completion Timeline
15.	Camel's Back Zone, Mussoorie, Distt. Dehradun	0.70	-	-	-	DOC 29-07-2024
16.	Dhobi Ghat Zone, Mussoorie, Distt. Dehradun	0.05	73%	-	-	DOC 29-07-2024
17.	Rudraprayag Gaurikund Distt.	0.20	10%	-	-	DOC 02-10-2024
18.		0.01	10%	-	-	
19.		0.006	10%	-	-	
20.		0.006	10%	-	-	
21.	Tilwada Distt. Rudraprayag	0.10	20%	-	-	
22.	Pandeykhaula Distt. Almora	1.50	83%	-	-	DOC 30-09-2024
23.	Roosi Pond, Nainital Distt. Nainital	17.50	-	-	-	DOC-07.05.2025
24.	Nakronda, Dehradun, Distt. Dehradun	18.00	-	-	-	DOC-June-2025
25.	Daurwala, Dehradun, Distt. Dehradun	18.00	-	-	-	DOC-June - 2025
26.	Banjarawala Package -1	11.00	-	-	-	DOC-16.06.2025
27.	Muni ki Reti-Dhalwala, Rishikesh, Distt. Tehri	8.00	5%	-	-	DOC-03.12.2025
28.	Swargashram, Rishikesh Distt. Pauri	3.00	8%	-	-	DOC-03.12.2025
29.	Neelkanth, Rishikesh Distt. Pauri	1.50	3%	-	-	DOC-03.12.2025
30.	Sapera Basti, Dehradun	15.00	-	-	-	DOC – 15.03.2026

Sl. No.	Location	Capacity of the plant in MLD	Physical progress in %	Status of I & D or House sewer connections	Capacity of proposed co-treatment facility	Completion Timeline
31.	Narendra Nagar, Distt – Tehri Garhwal	2.00	-	-	-	-
	Total	**150.372**			**0.130**	

Details of proposed STPs in the State:

Sl. No.	Location	Capacity of the STP proposed in MLD	Capacity of the FSTP proposed in MLD	Capacity of the Co-treatment plant proposed in MLD	Program	Status of Project (at DPR Stage/Under Trending/Work to be Awarded)	Likely Date of Completion
1.	Khadri, Rishikesh Distt. Dehradun	5.00	-	-	KFW	Proposed under KfW	
2.	Rishikesh Co – treatment Plant	-	-	0.050	Namami Gange	Under Bidding	
3.	Muni ki Reti-Dhalwala, Rishikesh, Distt. Tehri	0.30	-	-	Namami Gange	Bid submitted on 24-08-2023 and technical bid sent to NMCG for approval through SPMG.	
4.	Devprayag Co treatment Plant	-	-	0.005	Namami Gange	Under Bidding	
5.	Rudrapur Distt. U.S. Nagar (Proposed under River Rejuvenation of Kalyani)	39.00	-	-	Namami Gange	DPR is being prepared under Namami Gange programme	
6.	Gyansu STP Distt. Uttarkashi	4.00			State Sector	DPR prepared and sent to State sector for fund allocation.	
7.	Chinyalisaur FSTP	-	0.010	-	SBM 2.0	DPR sent to UD Secretarait	

Sl. No.	Location	Capacity of the STP proposed in MLD	Capacity of the FSTP proposed in MLD	Capacity of the Co-treatment plant proposed in MLD	Program	Status of Project (at DPR Stage/Under Trending/Work to be Awarded)	Likely Date of Completion
8.	Shivalik Nagar, Distt. Haridwar	8.00	-	-	KFW	Proposed under KfW	
9.	Jageetpur Co treatment plant	-	-	0.100	Namami Gange	Under Bidding	
10.	Sarai,Co treatment plant	-	-	0.050	Namami Gange	Under Bidding	
11.	Kotdwar STP with Co treatment plant Distt. Pauri	21.00	-	0.050	Namami Gange	Under bidding	
12.	Haldwani STP with co treatment plant Distt. Nainital	10.50	-	0.140	ADB	DPR under Preparation **(ADB funded project).**	
13.	Vikasnagar, STP With Co – treatment plant Distt. Dehradun	7.00	-	0.010	ADB	DPR under Preparation **(ADB funded project).**	
14.	Ranikhet STP Co Treatment Plant	1.50	-	-	SBM 2.0	DPR Under Preparation	
15.	Chaukutiya STP Co Treatment Plant	1.30	-	-	SBM 2.0	DPR Under Preparation	
16.	Bageshwar STP Co Treatment Plant	5.40	-	-	SBM 2.0	DPR Under Preparation	
17.	Gairsain STP Co Treatment Plant	2.34	-	-	SBM 2.0	DPR Under Preparation	
18.	Tharali STP Co Treatment Plant	0.11	-	-	SBM 2.0	DPR Under Preparation	
19.	Gauchar,	-	0.010	-	SBM 2.0	DPR sent to UD	

Sl. No.	Location	Capacity of the STP proposed in MLD	Capacity of the FSTP proposed in MLD	Capacity of the Co-treatment plant proposed in MLD	Program	Status of Project (at DPR Stage/Under Trending/Work to be Awarded)	Likely Date of Completion
	FSTP					Secretariat	
20.	Mangalore STP with Co Treatment Plant	8.10	-	0.030	SBM 2.0	DPR Prepared	
21.	Laksar STP Co Treatment Plant	6.10	-	-	SBM 2.0	DPR Under Preparation	
22.	Satpuli STP with Co Treatment Plant	1.10	-	0.0004	SBM 2.0	DPR Prepared	
23.	Pauri STP with Co Treatment Plant	1.00	-	0.011	SBM 2.0	DPR Prepared	
24.	Thalisain STP with Co Treatment Plant	0.50	-	0.022	SBM 2.0	DPR Prepared	
25.	Srinagar STP Co treatment plant	-	-	0.030	Namami Gange	Under Bidding	
26.	Berinag STP Co Treatment Plant	1.10	-	-	SBM 2.0	DPR Under Preparation	
27.	Didihat STP Co Treatment Plant	0.40	-	-	SBM 2.0	DPR Under Preparation	
28.	Lambgaon STP Co Treatment Plant	0.50	-	-	SBM 2.0	DPR Prepared	
29.	Ghansali STP Co Treatment Plant	0.24	-	-	SBM 2.0	DPR Prepared	
30.	Ghansali STP Co Treatment Plant	0.55	-	-	SBM 2.0	DPR Prepared	

Sl. No.	Location	Capacity of the STP proposed in MLD	Capacity of the FSTP proposed in MLD	Capacity of the Co-treatment plant proposed in MLD	Program	Status of Project (at DPR Stage/Under Trending/Work to be Awarded)	Likely Date of Completion
31.	Ghansali STP with Co Treatment Plant	0.75	-	0.002	SBM 2.0	DPR Prepared	
32.	Ghansali STP Co Treatment Plant	0.36	-	-	SBM 2.0	DPR Prepared	
33.	Chamiyala STP Co Treatment Plant	0.15	-	-	SBM 2.0	DPR Prepared	
34.	Chamiyala STP with Co Treatment Plant	0.61	-	0.002	SBM 2.0	DPR Prepared	
35.	Chamiyala STP Co Treatment Plant	0.39	-	-	SBM 2.0	DPR Prepared	
36.	Jaspur STP with Co Treatment Plant	9.0	-	0.060	SBM 2.0	DPR Prepared	
37.	Purola STP Co Treatment Plant	1.0	-	-	SBM 2.0	DPR Prepared	
38.	Barkot STP Co Treatment Plant	3.80	-	-	SBM 2.0	DPR Prepared	
	Total	**141.100**	**0.020**	**0.5624**			

- 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	13,137 6,899 - Industrial Operation 6,238 - Non-Industrial Operation
No. of water polluting industries in the State	1089
Quantity of effluent generated from the industries in MLD	112.3 MLD
Number of industrial units having ETPs	1089
Number and total capacity of ETPs (details of existing/ under construction/proposed)	144.02 MLD
Compliance status of the ETPs	Complying – 1088 Non – Complying - 01
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 July 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 is 4.5 MLD & Capable to treat– 5.2 MLD). Operational and complying
IIE, Pantnagar (US Nagar)	499	4.0 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	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 SIDCUL has directed the implementing agency Uttarakhand Peyjal Nigam for execution of work Peyjal Nigam

			also be connected with CETP as directed by Supervisory Committee	Submitted an estimate of Rs. 1908.86 lacs after TAC from planning department Govt. of Uttarakhand and SIDCUL has approved the same. Implementing agency started the work after approval of SIDCUL and work is in progress. Date of completion of work as per M.O.U. is September 2025.
ESIP Sitarganj (US Nagar)	75	4.0 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 Population- 36,26,586
Current Municipal Solid Waste Generation	1620.70 MTPD ULB wise details in enclosed as **Annexure-1.**
Current Municipal Solid Waste Processed	1540.54 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 **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**	▪ 03 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. ▪ 14 MSW processing facility has been constructed/Functional in the state including 85 Material Recovery Facility with total capacity of 450 TPD. ▪ 02 CBG plant are Constructed/functional with total capacity of 58 TPD. ▪ 663 NADEP/Compost Pit 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. ▪ 93 Aatm Nirbhar Wards are identified. Wet waste is being processed by them within wards and Dry waste is being processed by recycling/reusing through PWPs. ▪ *In NPP Muni-ki-Reti, a 5MTPD capacity Plastic to*

	Plank system has been installed. ▪ *Plastic Compactors- 78 Nos. (Operational).The total capacity of Plastic Compactor in ULBs is 380 Tonnes per day.* ▪ *Revenue generated from the plastic compactors is Rs. 4.94 Cr. till July, 2024 by selling compacted plastics/ bails.*
Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap>20%)	▪ 19 CSWTFs are constructed/operational in the state ▪ 49 CSWTF to be constructed which are under different stage of execution. ▪ 500 TPD torrefied Charcoal plant in Haldwani and Haridwar is proposed under CSR fund.
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 revised. EOI has been issued by NN Dehradun. ▪ 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 is 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-1269 Door to door Collecton-1269 Source Segregation-1188
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	1- 65 MSW treatment facilities are proposed under SBM 1.0 & 2.0 2- DPR of 62 MSW treatment facilities approved under SBM 1.0 and DPR of 3 MSW treatment facilities are under revision as per SBM 2.0 guidelines (Shivalik Nagar, Chaukhutiya & Kedarnath) 3- 500 TPD torrefied Charcoal plant in Haldwani and Haridwar is proposed under CSR fund. 4- MoU has been signed between NN Haldwani and NTPC for the establishment of 500 TPD torrefied Charcoal plant at Haldwani. 5- MoU has been signed between NN Haridwar and THDCIL-UJVNL for the establishment of 500 TPD torrefied Charcoal plant in Haridwar. 6- Work of 49 MSW treatment facility/MRF/Compost plant are different stage of execution. 7- 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	Proposal accepted and referred to EAC on 14-05-2024 by MS MoEFCC (EC)
2	Pithoragarh	1	Conditional ToR granted vide letter dt. 13-5-2023
3	Gauchar	1	ToR Submitted on 21-02-2024 & under examination
4	Roorkee ISWM Cluster	5	Minutes of Public Hearing uploaded on Parivesh Portal & EIA report Submitted on 12-01-2024
5	Sitarganj	1	ToR applied 08-05-2024 & under examination
6	Mahuakhedaganj	1	ToR applied on 06-04-2024
7	Naugaon (Uttarkashi)	1	ToR applied on 02-03-2024 & Under verification/pending at MS

			for proposal withdraw
8	Kirtinagar	1	Revised ToR applied for approval
9	Gadarpur ISWM Cluster	4	ToR to be applied
10	Karnprayag	1	Public Hearing scheduled on 05-08-2024
11	Banbasa (Tanakpur)	2	Proposal accepted and referred to EAC on 17-05-2024 by MS MoEFCC (EC)
	Total	**19**	

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**	

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. • 14 DPR of 13 ULBs has been approved by MoHUA, GoI under SBM 2.0 out of which fund received for the remediation of 08 dumpsites. • Remediation is ongoing in NN Rishikesh (2.17 Lacs MT), NN Roorkee (1.30 Lacs MT) and NN Rudrapur (0.74 Lacs MT) • Tender Done in NN Dehradun (4.99 Lacs MT), NN Haridwar (4.20 Lacs MT). • Tender under process in NN Haldwani (2.07 Lacs MT) and NN Srinagar (0.18 Lacs MT) • 5.67 MT legacy waste has been remediated against the total 22.85 MT. **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 is being remediated

	In Srinagar legacy Waste has been shifted away from Ganga River and tender under process for the remediation. In Uttarkashi, Remediation of legacy is under process and ULB has enclosed the legacy waste site by constructing boundary wall of 3 m. height.
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.

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) Treated (Year 2022-23)	9341.613 MT (Landfill – 3606.123 MT & Incineration – 5700.589 MT) 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	▪ 77 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. ***4.75 Cr.*** by selling of compacted plastics/ bails till date ▪ Total capacity of Compactor is 375 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 & 24-04-2024.** ▪ 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, MBBER, 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, 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 July, 2024 is enclosed as **Annexure-2**. It is state that River Ganga (Haridwar to Sultanpur) (Priority-IV) has already achieved Class "B" water, therefore, It will 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 Pikhal), 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 December 2025
17.	Maintaining minimum e-flow of river.	• In pursuit to Hon'ble 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. UJVNL is the monitoring agency for obtaining e-flow release from the project developers. • Ministry of Water Resources, River Development and Ganga Rejuvenation vide its order dated 09.10.2018 issued norms for minimum environmental flows to be maintained at location downstream of the structures or projects. For Upper Ganga River Basin Stretch starting from originating glaciers and through respective confluences finally meeting at Devprayag up to Haridwar 20%, 25% & 30% e-flow of monthly average flow observed during each of preceding 10-daily period should be maintained in dry, lean and high flow season respectively. • Central Water Commission (CWC) is designated authority and the custodian of the data and shall be responsible for supervision, monitoring, regulation of flows in Ganga Basin. • In compliance of Hon'ble NGT order dated 09.08.2017 and GoUK order dated 05.06.2018, UJVNL and various other hydro project developers in the State of Uttarakhand are maintaining e-flow as per norms. • In compliance to MoWR RD&GR order dated 09.10.2018, UJVNL and various other hydro project developers are maintaining e-flow in the State of Uttarakhand as per norms except Srinagar HEP as per the information received

from CWC.

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 July, 2024:

- All 07-HEPs located in the main Ganga basin and having > 25 MW capacity are complying the prescribed norms
- All 05-HEPs located in other than main Ganga basin and having > 25 MW capacity are complying with e-flow norms.
- 18 HEPs having <25 MW capacity located in the State are complying with e-flow norms however two HEP of Himalaya Hydro Pvt. Ltd has not submitted their data yet.

Details of E-flow of July, 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:

S. No.	Year	Plantations (ha)
1.	2020-21	5181.64
2.	2021-22	3781.46
3.	2022-23	3802.70
4.	2023-24	3131.07
5.	2024-25*	15
	Total	**15911.87**

*in progress

2. Plantations under 'Namami Gange' Project utilizing CAMPA funds in various Ganga districts:

S. No.	Year	ASW (ha)	Plantations (ha)
1.	2022-23	1390.00	-
2.	2023-24	1104.00	1390.00
3.	2024-25*	-	-
	Total	**2494.00**	**1390.00**

* in progress

3. Activities implemented under River Rejuvenation scheme of CAMPA

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	Ha	124

		Regeneration	
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

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):

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

Note: not approved beyond 2021-22

5. Works under conservation of flood plain zones of Ganga River in OA No. 200/2014

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	122.44
6		Check Dams	Nos.	770
7	2024-25*	Plantations	Ha	-
8		Check Dams	Nos.	-

*Release of funds in 2024-25 awaited from GoUK.

6. Works under conservation & development of wetlands in OA No. 325/2015

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

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<tr><td>4.</td><td></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>
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Note: progress as per CAMPA MIS
</td></tr>
<tr><td>19.</td><td>Development of biodiversity park</td><td>------</td></tr>
<tr><td>20.</td><td>Reuse of treated Water.</td><td>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.</td></tr>
<tr><td>21.</td><td>Model River being adopted by the State & Action Proposed for achieving the bathing.</td><td>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.</td></tr>
<tr><td>22.</td><td>Status of preparation of Action Plan by the 13 Coastal States</td><td>Not related to the State of Uttarakhand.</td></tr>
<tr><td>23.</td><td>Regulation of Mining Activities in the State/UT.</td><td>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 material (RBM) is carried out as per approved mining plan and the Sustainable Sand Mining Guidelines-2016 & Enforcement and Monitoring Guidelines for Sand Mining, 2020 (EMGSM-2020) of Ministry of Environment, Forest And Climate Change, Government of India within the demarcated area up to a depth of 03 meter or ground water 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 fo machines i.e. JCB, Poclane etc. for excavation of River Bed Material. River Bed Mining is not permitted during the Monsoon season from 01st 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: -</td></tr>
</table>

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 July 2024, a 176 Cases of illegal mining/illegal transportation/illegal storage and a total 45.38 crore has been recovered from them.

The enforcement work done to prevent illegal mining/illegal transportation/illegal storage in the last 10 financial years is as follows: -

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	2512	19.17
		10.	Up to July 2024-25	926	53.06
			Total	**21,388**	**183.22**
		Thus, the State Government is committed to stop illegal mining, illegal storage and illegal transportation of mineral in the State.			
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. 6.76 Crore** from various defaulters / law violators as an environment compensation.			

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Annexure-1

Monthly Progress Report of the month of July-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	4.00	2.48
2	UTTARKASHI	BARAHAT UTTARKASHI	11	11	11	10.00	4.13
3	UTTARKASHI	GANGOTRIDHAM	4	4	4	0.16	0.13
4	UTTARKASHI	PUROLA	7	7	7	2.42	2.56
5	UTTARKASHI	CHIMYALISAUR	7	7	7	2.50	1.00
6	UTTARKASHI	NAUGAON	7	7	7	2.00	1.19
1	**UTTARKASHI**		**43**	**43**	**43**	**21.08**	**11.49**
7	CHAMOLI GOPESHWAR	BADRINATH	4	4	4	0.68	0.68
8	CHAMOLI GOPESHWAR	JOSHIMATH	9	9	9	3.10	2.90
9	CHAMOLI GOPESHWAR	CHAMOLI-GOPESHWAR	11	11	11	5.16	5.16
10	CHAMOLI GOPESHWAR	NANDPRAYAG	4	4	4	0.50	0.50
11	CHAMOLI GOPESHWAR	GAUCHAR	7	7	7	2.98	2.98
12	CHAMOLI GOPESHWAR	KARNAPRAYAG	7	7	7	2.20	2.20
13	CHAMOLI GOPESHWAR	GAIRSAIN	7	7	7	1.77	1.77
14	CHAMOLI GOPESHWAR	POKHARI	7	7	7	1.94	1.94
15	CHAMOLI GOPESHWAR	THARALI	4	4	4	0.00	0.00
16	CHAMOLI GOPESHWAR	PIPALKOTI	4	4	4	0.04	0.04
2	**CHAMOLI GOPESHWAR**		**64**	**64**	**64**	**18.36**	**18.17**
17	RUDRAPRAYAG	KEDARNATH	1	1	1	0.07	0.00
18	RUDRAPRAYAG	RUDRAPRAYAG	7	7	7	3.20	2.49
19	RUDRAPRAYAG	UKHIMATH	4	4	4	0.23	0.00
20	RUDRAPRAYAG	AUGUSTMUNI	7	7	7	1.40	0.87
21	RUDRAPRAYAG	TILWARA	4	4	4	1.10	1.54
3	**RUDRAPRAYAG**		**23**	**23**	**23**	**6.01**	**4.91**
22	TEHRI	KIRTINAGAR	4	4	4	0.00	0.00
23	TEHRI	DEVAPRAYAG	4	4	4	0.29	0.29
24	TEHRI	TEHRI	11	11	10	11.06	10.39
25	TEHRI	CHAMBA_U	9	9	9	3.61	3.61
26	TEHRI	NARENDRANAGAR	7	7	7	1.52	1.52
27	TEHRI	MUNI-KI-RETI	11	11	11	14.90	14.90
28	TEHRI	GHANSALI	7	7	7	1.90	1.90
29	TEHRI	LAMB GAON	4	4	4	1.03	0.97
30	TEHRI	GAJA	4	4	4	0.86	0.86
31	TEHRI	CHAMIYALA	7	7	7	1.94	0.00
32	TEHRI	TAPOVAN	4	4	4	1.55	2.52
4	**TEHRI**		**72**	**72**	**71**	**38.66**	**36.96**
33	DEHRADUN	VIKASNAGAR	11	11	11	8.45	8.45
34	DEHRADUN	HERBERTPUR	9	9	9	5.81	5.81
35	DEHRADUN	MUSSOORIE	13	13	13	18.45	18.45
36	DEHRADUN	DEHRADUN	100	100	100	439.94	439.88
37	DEHRADUN	DOIWALA	20	20	20	16.45	16.45
38	DEHRADUN	RISHIKESH	40	40	40	78.45	78.45
39	DEHRADUN	SELAQUI (CENTRAL HOPETOW	9	9	1	15.90	15.90
5	**DEHRADUN**		**202**	**202**	**194**	**583.45**	**583.40**
40	PAURI GARHWAL	SRINAGAR	13	13	13	18.00	11.84
41	PAURI GARHWAL	PAURI	11	11	11	14.52	14.35
42	PAURI GARHWAL	DOGADDA	4	4	4	0.21	0.32
43	PAURI GARHWAL	KOTDWARA	40	40	40	49.00	49.00
44	PAURI GARHWAL	SWARGASHRAM	4	4	4	6.94	7.26
45	PAURI GARHWAL	SATPULI	4	4	4	1.30	2.60
46	PAURI GARHWAL	THALISAIN	4	4	4	0.09	0.00
6	**PAURI GARHWAL**		**80**	**80**	**80**	**90.05**	**85.37**
47	PITHORAGARH	DHARCHULA	7	7	7	3.87	0.00
48	PITHORAGARH	DIDIHAT	7	7	7	3.10	0.00
49	PITHORAGARH	PITHORAGARH	20	20	16	23.23	23.23
50	PITHORAGARH	GANGOLIHAT	7	7	7	0.19	0.29

51	PITHORAGARH	BERINAG	7	7	7	1.45	1.45
7	**PITHORAGARH**		**48**	**48**	**44**	**31.84**	**24.96**
52	BAGESHWAR	BAGESHWAR	11	11	11	7.50	6.00
53	BAGESHWAR	KAPKOT	7	7	7	1.00	1.00
54	BAGESHWAR	GARUD	7	7	7	1.55	1.55
8	**BAGESHWAR**		**25**	**25**	**25**	**10.05**	**8.55**
55	ALMORA	DWARHAT	4	4	4	0.60	0.60
56	ALMORA	ALMORA	13	13	13	10.34	10.00
57	ALMORA	RANIKHET-CHILIYANAULA	7	7	7	3.39	3.39
58	ALMORA	BHIKYASAIN	4	4	4	2.00	2.00
59	ALMORA	CHAWKHUTIYA	4	4	4	0.65	0.65
9	**ALMORA**		**32**	**32**	**32**	**16.98**	**16.63**
60	CHAMPAWAT	CHAMPAWAT	9	9	9	4.48	3.50
61	CHAMPAWAT	LOHAGHAT	7	7	7	2.42	2.42
62	CHAMPAWAT	TANAKPUR	11	11	11	2.90	0.55
63	CHAMPAWAT	BANBASA	7	7	7	1.69	1.00
10	**CHAMPAWAT**		**34**	**34**	**34**	**11.50**	**7.47**
64	NAINITAL	NAINITAL	15	15	15	13.34	13.34
65	NAINITAL	BHOWALI	7	7	7	2.00	2.35
66	NAINITAL	BHIMTAL	9	9	9	2.97	2.97
67	NAINITAL	HALDWANI	60	60	49	134.84	134.84
68	NAINITAL	RAMNAGAR_U	20	20	20	11.00	3.43
69	NAINITAL	KALADHUNGI	7	7	7	7.15	5.79
70	NAINITAL	LALKUAN	7	7	7	3.81	3.81
11	**NAINITAL**		**125**	**125**	**114**	**175.10**	**166.52**
71	UDHAMSINGH NAGAR	KASHIPUR	40	40	40	59.68	59.68
72	UDHAMSINGH NAGAR	MAHUA KHERAGANJ	9	9	9	3.23	3.23
73	UDHAMSINGH NAGAR	MAHUADABRA	7	7	7	2.48	2.00
74	UDHAMSINGH NAGAR	JASPUR	20	20	20	20.97	20.97
75	UDHAMSINGH NAGAR	SULTANPUR_U	7	7	7	3.39	3.00
76	UDHAMSINGH NAGAR	BAZPUR	13	13	13	9.85	7.23
77	UDHAMSINGH NAGAR	KELA KHERA	9	9	9	4.35	0.45
78	UDHAMSINGH NAGAR	RUDRAPUR	40	40	40	94.28	94.28
79	UDHAMSINGH NAGAR	KICHHA	20	20	20	15.97	15.97
80	UDHAMSINGH NAGAR	GADARPUR	11	11	11	5.50	5.50
81	UDHAMSINGH NAGAR	DINESHPUR	9	9	9	4.55	4.55
82	UDHAMSINGH NAGAR	SHAKTIGARH	7	7	7	1.03	1.00
83	UDHAMSINGH NAGAR	SITARGANJ	13	13	13	18.06	15.00
84	UDHAMSINGH NAGAR	KHATIMA	20	20	20	19.46	19.46
85	UDHAMSINGH NAGAR	NANAKAMTTA	7	7	7	1.03	1.03
86	UDHAMSINGH NAGAR	GULARBHOJ	7	7	7	2.21	2.21
87	UDHAMSINGH NAGAR	NAGLA	20	20	20	4.50	4.50
88	UDHAMSINGH NAGAR	LALPUR	4	4	4	0.50	0.50
12	**UDHAMSINGH NAGAR**		**263**	**263**	**263**	**271.04**	**260.57**
89	HARDWAR	ROORKEE (NN)	40	40	40	86.61	73.97
90	HARDWAR	JHABRERA	9	9	9	0.00	0.00
91	HARDWAR	MANGLAUR	20	20	20	21.29	21.29
92	HARDWAR	LANDHAURA	9	9	9	7.71	7.74
93	HARDWAR	HARDWAR	60	60	60	158.74	158.74
94	HARDWAR	LAKSAR	11	11	11	17.00	17.00
95	HARDWAR	SHIVALIK NAGAR	13	13	13	9.42	9.42
96	HARDWAR	BHAGWANPUR	9	9	9	5.35	5.35
97	HARDWAR	PIRAN KALIYAR	9	9	9	18.06	18.06
98	HARDWAR	IMLIKHEDA	9	9	3	5.81	0.00
99	HARDWAR	RAMPUR	11	11	0	3.40	0.00
100	HARDWAR	PADLI GUJJAR	11	0	0	4.84	0.00
101	HARDWAR	DHANDHERA	11	11	11	1.98	0.00
102	HARDWAR	SULTANPUR-ADAMPUR(NP)	9	9	7	6.35	3.97
13	**HARDWAR**		**231**	**220**	**201**	**346.58**	**315.55**
TOTAL			**1242**	**1231**	**1188**	**1620.70**	**1540.54**

The Surface Water Quality of 09 polluted river stretches for the month of July, 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	22-07-2024	US	Dhella Bridge, Kashipur, Bhelijudi	$29^0$13’12” N $78^0$56’42” E	7.58	6.1	2.4	16	312	185	25	350	280
		22-07-2024	DS	Gehruwala Village Pratappur	$29^0$08’30” N $78^0$05’20” E	7.26	1.6	35	192	784	472	78	920	540
2	Bhella	22-07-2024	US	Bahella Bridge, Kashipur	$29^0$16’43” N $79^0$01’19” E	7.01	6.4	2.1	12	264	162	20	350	220
		22-07-2024	DS	Bahella River rajpura tanda	$29^0$07’45” N $78^0$59’03” E	6.82	2	25	152	676	408	58	2800	2200
3	Kichha	23-07-2024	US	Main Road Kichha	$28^0$57’43” N $79^0$32’17” E	7.22	7.1	2.4	8	266	168	32	1600	920
		23-07-2024	DS	Kichha Bridge	$29^0$52’59” N $79^0$30’56” E	7.51	5.5	4.8	52	488	295	54	>1600	1600
4	Suswa	19-07-2024	US	Mothrawala	$30^0$13’59”N $78^0$01’48”E	7.55	2.2	27	100	412	270	-	35×10^2	22×10^2
		19-07-2024	DS	Barafutta	$30^0$8’19.9”N $78^0$7’49.8”E	7.28	5.6	2.8	9	350	235	-	350	280
5	Kalyani	23-07-2024	US	Pantnagar Ind. Area Rudrapur	$29^0$01’44” N $79^0$24’28” E	7.41	5.4	2.8	20	476	292	28	430	220
		23-07-2024	DS	Rampura ground Rudrapur	$28^0$57’52” N $79^0$24’08” E	7.15	1.4	42	192	868	516	224	2200	1700
6	Kosi	22-07-2024	US	Bajpur bridge Sultanpur patti	$28^0$09’32” N $79^0$02’19” E	7.55	7.8	1.8	12	285	176	22	430	350
		22-07-2024	DS	Bypass bridge pattikalan	$29^0$04’31” N $79^0$02’24” E	7.34	7.4	2.2	16	304	184	32	1600	920
7	Pilakhar	22-07-2024	US	Bajpur	$29^0$10’21” N $79^0$08’44” E	7.47	5	2.8	16	282	171	30	430	350
		22-07-2024	DS	Rampur (U.P.)	$29^0$12’12” N $78^0$58’42’E	7.52	3.8	22	120	658	392	65	1600	920
8	Nandhour	23-07-2024	US	Sitarganj	$29^0$04’36” N $79^0$41’36” E	7.84	8.1	1.6	8	184	105	18	920	350
		23-07-2024	DS	Nandhor Bridge, Sitarganj	$28^0$55’149” N $79^0$44’38” E	7.62	7.2	2.8	16	228	134	40	1600	920
9	Ganga	19-07-2024	US	Bindughat Dudhiyaban	29.970608^0N-78.183854^0E	7.29	7.4	2.6	12	389	248	-	140	94
		18-07-2024	DS	Sultanpur	29.699043^0N -78.166559^0E	7.49	7.6	2.6	14	380	243	-	130	79

Status of release of E-flow as per MoWR, RD&GR order dated 09.10.2018 from the Hydro projects (> 25 MW) situated in the river/tributary of Ganga river basin in the State of Uttarakhand (July 2024)

S.No.	Name of Hydro Power Project	Capacity (MW)	District	Developer	Season	Months	Average E-flow Mandated (cumecs)	Compliance of e-flow notification			
								Average River Discharge (Cumecs)	E-Flow Released (Cumecs)	% of E-Flow released	Remark
1	Vishnuprayag HEP	400	Chamoli	J.P venture	High Flow Season	Jul-24	24.62	148.69	102.35	68.83%	As per the information recieved from Central Water Commission (CWC)
2	Srinagar HEP	330	Pauri Garhwal	GVK	High Flow Season	Jul-24	222.22	1018.12	468.90	46.06%	
3	Singoli Bhatwari HEP	99	Rudraprayag	L&T	High Flow Season	Jul-24	15.93	205.33	144.51	70.38%	
4	(Tehri Dam + Koteshwar Dam)	(1000 + 400)	Tehri	THDCIL	High Flow Season	Jul-24	102.16	609.88	412.05	67.56%	
5	Tiloth Power Station (Maneri Dam)	3 x 30 = 90	Uttarkashi	UJVNL	High Flow Season	Jul-24	65.92	339.56	276.83	81.53%	As per the information received from UJVNL
6	Dharasu Power Station (Joshiyara Barrage)	4 x 76 = 304	Uttarkashi	UJVNL	High Flow Season	Jul-24	78.80	290.67	256.95	88.40%	
7	Chilla Power Station	4 x 36 = 144	Pauri Garhwal	UJVNL	High Flow Season	Jul-24	200.73	1648.45	1183.61	71.80%	

Note - As per MOWR GD&RR order dated 10.10.2018 and 14.09.2019, the following minimum environmental flows to be maintained at locations downstream of structures or projects for Upper Ganga River Basin Stretch starting from originating glaciers and through respective confluences finally meeting at Devaprayag up to Haridwar.

Season	Months	% of Monthly Average flow observed during each of preceding 10-daily period
Dry	**November to March**	**20**
Lean	**October, April and May**	**25**
High flow season	**June to September**	**30***

***30% of monthly flow of High flow season.**

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 (July 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	Jul-24	Minimum 15% of Average Lean Season flow	4.00	127.50	3187.50%	As per the information received from NHPC
2	Tanakpur	120	Champawat	NHPC	Jul-24		164.00	1807.68	1102.24%	
3	Naitwar Mori	60	Uttarkashi	SJVNL	Jul-24		18.58	53.50	287.94%	As per the information received from SJVNL
3	Dakpathar Barrage (Dhalipur + Dhakrani)	(51 + 33.75)	Dehradun	UJVNL	Jul-24		67.71	113.45	167.55%	As per the information received from UJVNL
4	Kulhal	30	Dehradun	UJVNL	Jul-24		13.03	2.83	21.72%	
5	Ichadi Dam (Chibro + Khodri)	(240 + 120)	Dehradun	UJVNL	Jul-24		72.46	11.55	15.94%	
6	Judo Dam (Vyasi)	120	Dehradun	UJVNL	Jul-24		67.21	10.73	15.96%	

*** 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 (July 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	Jul-24	Minimum 15% of Average Lean Season flow	1.47	2.39	162.59%	As per the information received from respective developer
2	Gangani	8	Uttarkashi	Regency Gangani Energy	Jul-24		5.10	7.76	152.16%	
3	Badyar	4.9	Uttarkashi	Regency Yamuna Energy	Jul-24		1.30	5.08	390.77%	
4	Sarju-II	0	Bageshwar	Uttar Bharat Hydro	Jul-24		-	-	-	Developer submitted that measuremnet not possible due to high discharge in the river. However release of eflow discharhge is more than 15%
5	Sarju-III	10.5	Bageshwar	Uttar Bharat Hydro	Jul-24		-	-	-	
6	Motighat	5	Pithoragarh	Himalya Hydro (P) Ltd.	Jul-24		3.04	10	328.95%	As per the information received from respective developer
7	Tanga	5	Pithoragarh	Himalya Hydro (P) Ltd.	Jul-24		3.04	10	328.95%	
8	Galogi SHP	3.5 MW	Dehradun	UJVNL	Jul-24		-	-	-	Eflow data for the month of July 2024 is not submitted yet by the devloper
9	Ram Prasad Nautiyal, Dunao SHP	1.5 MW	Pauri Garhwal	UJVNL	Jul-24		10.66	9.26	86.87%	As per the information received from UJVNL
10	Rajwakti	3.6	Chamoli	Him Urja	Jul-24		65.41	57.49	87.89%	As per the information received from respective developer
11	Vanala	15	Chamoli	Him Urja	Jul-24		52.66	42.85	81.37%	
12	Debal	5	Chamoli	Chamoli Hydro	Jul-24		2.50	32.66	1306.40%	
13	Agunda Thati	3	Tehri	Gunsola Hydro	Jul-24		7.60	1.15	15.13%	
14	Bhilangana	22.5	Tehri	Swasti Power	Jul-24		-	-	-	Eflow data for the month of July 2024 is not submitted yet by the devloper
15	Bhilangana- III	24	Tehri	Bhilangna Hydro Power	Jul-24		36.18	91.75	253.59%	As per the information received from respective developer
16	Birahiganga	7.2	Chamoli	Birahiganga Hydro Power	Jul-24		2.70	7.67	284.07%	
17	Pilangad SHP	2.25	Uttarkashi	UJVNL	Jul-24		5.10	4.84	94.90%	As per the information received from UJVNL
18	Urgam SHP	3	Chamoli	UJVNL	Jul-24		50.32	49.61	98.59%	
19	Kaliganga -I SHP	4	Rudraprayag	UJVNL	Jul-24		6.00	3.00	50.00%	
20	Kaliganga -II SHP	4.5	Rudraprayag	UJVNL	Jul-24		10.44	3.15	30.17%	
21	Suringad	5	Pithoragarh	UJVNL	Jul-24		-	-	-	Eflow data for the month of July 2024 is not submitted yet by the devloper

*** 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.**

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

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उत्तराखण्ड प्रदूषण नियंत्रण बोर्ड
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CENTRAL LABORATORY

Analysis Report of Sewage Treatment Plants (STPs) for the Month of July 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	COD	Fecal Coliform
District - Chamoli									
1	0.010 MLD STP Near Temple at Badrinath. (**Operated by: Uttarakhand Jal Sansthan**)	**As the area around the STP comes under Master Plan so the demolition of structure work around the STP was in progress and the STP was non-operation due to the same reason. (Date of inspection: -04-07-2024).**							
2	0.26 MLD STP Near Bamni Gaon, Badrinath. (**Operated by: Uttarakhand Jal Sansthan**)	6.85	185	189	7.40	10.0	14	50	220
					STP found operational but untreated effluent was partially leakage from the collection tank and discharged directly into Alaknanda River. (Date of inspection: -04-07-2024).				
3	1.0 MLD STP Near Suspension Bridge, Badrinath. (**Operated by: Uttarakhand Jal Sansthan**).	6.72	190	195	7.18	9.6	12	50	170
4	2.70 MLD STP at Marwari, Joshimath. (**Operated by: Uttarakhand Peyjal Nigam**)	7.24	105	108	7.62	8.8	11	30	110
5	1.080 MLD STP at Pokhri, Joshimath. (**Operated by: Uttarakhand Jal Sansthan**)	6.79	115	120	7.36	10.0	12	50	220
					STP found operational during the time of visit but insufficient Raw effluent/ Inlet is received in the plant. (Date of Inspection: 04-07-2024).				
6	0.760 MLD STP Near Alaknanda Ghat, Chamoli. (**Operated by: Uttarakhand Jal Sansthan**)	6.67	165	169	7.23	11.6	15	50	540
7	0.050 MLD STP Near old Suspension Bridge, Chamoli. (**Operated by: Uttarakhand Jal Sansthan**)	6.82	160	165	7.10	9.2	11	30	350
8	1.190 MLD STP at Vivekanand Colony, Gopeshwar.(**Operated by: Uttarakhand Jal Sansthan**)	7.12	155	159	7.68	8.8	10	30	140
9	1.120 MLD STP at Baitarni, Gopeshwar. (**Operated by: Uttarakhand Jal Sansthan**)	6.63	160	165	7.39	9.6	11	40	170
10	1.25 MLD STP at Pokhri Band, Gopeshwar. (**Operated by: Uttarakhand Jal Sansthan**)	6.75	155	159	7.48	10.0	11	40	220
11	0.050 MLD STP at Sangam Road, Nandprayag. (**Operated by: Uttarakhand Jal Sansthan**)	7.19	135	131	7.57	9.2	10	40	140
12	0.100 MLD STP at Forest Office, Nandprayag. (**Operated by: Uttarakhand Jal Sansthan**)	7.38	115	112	7.69	9.6	11	40	220
13	0.050 MLD STP Near Police Chowki, Karanprayag. (**Operated by: Uttarakhand Jal Sansthan**)	7.29	105	103	7.45	9.2	10	30	150

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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	COD	Fecal Coliform
14	0.100 MLD STP Near Purana Pull, Karanprayag. **Operated by: Uttarakhand Peyjal Nigam**)	6.69	165	171	7.59	11.2	16	50	350
15	0.100 MLD STP at Ward no. 1&3, Karanprayag. (**Operated by: Uttarakhand Peyjal Nigam**)	6.75	125	129	7.47	9.2	10	40	140
16	0.050 MLD STP at Subhash Nagar, Karanprayag. (**Operated by: Uttarakhand Jal Sansthan**)	7.23	130	127	7.71	8.8	11	40	170
17	0.050 MLD STP Near Naya Pull, Karanprayag. (**Operated by: Uttarakhand Peyjal Nigam**)	7.13	145	150	7.50	9.6	11	50	210
District - Rudraprayag									
18	0.075 MLD STP Near Anoop Negi School, Rudraprayag. (**Operated by: Uttarakhand Jal Sansthan**)	**STP is not in operation due to Damage of STP.**							
19	0.100 MLD STP, Near Rudra Complex, Rudraprayag. (**Operated by: Uttarakhand Peyjal Nigam**)	6.96	125	121	**STP found Non-operational during the time of visit also overflow condition found in the plant and due to this untreated effluent was directly discharging into Alaknanda River. (Date of inspection: 11-07-2024).**				
20	0.075 MLD STP, Near Bus Stand, Rudraprayag. (**Operated by: Uttarakhand Peyjal Nigam**)	**STP found Non-operational because no effluent was reaching to the plant. (Date of inspection: -11-07-2024).**							
21	0.100 MLD STP, Near SBI Bank, Rudraprayag. (**Operated by: Uttarakhand Peyjal Nigam**)	6.84	130	134	7.40	9.2	13	40	280
22	0.125 MLD STP, Near Steel Bridge & Syndicate Bank, Rudraprayag. (**Operated by: Uttarakhand Jal Sansthan**)	6.90	125	123	7.61	9.6	09	40	140
23	0.050 MLD STP at Beleni Road, Near Steel Bridge, Rudraprayag. (**Operated by: Uttarakhand Peyjal Nigam**)	7.19	145	147	7.54	9.6	10	50	220
District – Pauri Garhwal									
24	0.075 MLD STP Near Junior High School, Srikot, Srinagar. (**Operated by: Uttarakhand Peyjal Nigam**)	6.90	115	112	7.80	9.2	11	50	210
					STP was operational but due to overflow untreated effluent was found discharging into Alaknanda River. (Date of Inspection: 11-07-2024).				
25	0.050 MLD STP Near Tauliya Nala, Srikot, Srinagar. (**Operated by: Uttarakhand Peyjal Nigam**)	7.13	110	108	7.91	8.0	09	30	140

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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	COD	Fecal Coliform
26	3.5 MLD STP at Nursary Road, Srinagar. **(Operated by: Uttarakhand Peyjal Nigam)**	6.74	215	222	7.80	9.2	10	40	170
27	1.0 MLD STP, Near ITI, Srinagar. **(Operated by: Uttarakhand Jal Sansthan)**	7.13	205	210	7.69	8.8	09	30	94
28	3.0 MLD STP at Swargashram, Rishikesh. **(Operated by: Uttarakhand Jal Sansthan)**	6.83	225	231	7.55	9.2	12	40	150
District – Tehri Garhwal									
29	0.050 MLD STP, Near BRO Bridge, Kirtinagar. **(Operated by: Uttarakhand Jal Sansthan)**	**STP found closed and Non-operational during the time of visit /inspection. (Date of inspection: 10-07-2024).**							
30	0.010 MLD STP, Near Temple, Kirtinagar. **(Operated by: Uttarakhand Jal Sansthan)**	6.89	160	166	**STP found Non-operational during the time of visit /inspection. (Date of inspection: 10-07-2024).**				
31	0.075 MLD STP at Devprayag. **(Operated by: Uttarakhand Peyjal Nigam)**	7.13	165	170	**STP found Non-operational during the time of visit /inspection. (Date of inspection: 10-07-2024).**				
32	0.150 MLD STP at Devprayag. **(Operated by: Uttarakhand Peyjal Nigam)**	6.95	180	186	7.60	10.0	12	50	350
33	1.4 MLD STP at Pauri Road, Devprayag. **(Operated by: Uttarakhand Jal Sansthan)**	7.34	155	160	7.83	9.2	10	40	210
34	5.0 MLD STP at Bhagirathi Puram, Tehri. **Operated by: Uttarakhand Jal Sansthan)**	6.85	190	196	7.68	9.6	10	50	140
35	5.0 MLD STP at Chorpani, Rishikesh. **(Operated by: Uttarakhand Peyjal Nigam)**	7.19	205	209	**STP found Non-operational during the time of visit/ inspection and also overflow condition found in the plant. (Date of inspection: 08-07-2024).**				
36	7.5 MLD STP at Chandreshwar Nagar, Rishikesh. **(Operated by: Uttarakhand Peyjal Nigam)**	6.79	145	143	7.25	8.8	09	40	84
37	3.5 MLD STP at Tapovan, Rishikesh. **(Operated by: Uttarakhand Jal Sansthan)**	6.90	215	223	7.43	9.2	12	50	170
District - Uttarkashi									
38	2.0 MLD STP at Gyansu, Uttarkashi. **(Operated by: Uttarakhand Jal Sansthan)**	7.59	200	210	8.17	9.2	09	40	350

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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	COD	Fecal Coliform
39	1.0 MLD STP at Gangotri, Distt-Uttarkashi. **(Operated by: Uttarakhand Jal Sansthan)**	6.96	175	180	7.79	8.8	09	50	920
District - Dehradun									
40	26 MLD STP at Lakkarghat, Rishikesh. **(Operated by: Uttarakhand Peyjal Nigam)**	7.29	185	189	7.71	8.8	09	30	170
41	20 MLD STP at Motharawala-I, Dehradun. **(Operated by: Uttarakhand Jal Sansthan)**	7.38	175	180	7.64	9.6	10	50	220
42	20 MLD STP at Motharawala-II, Dehradun. **(Operated by: Uttarakhand Jal Sansthan)**	7.53	170	174	7.97	8.8	09	40	170
43	68 MLD STP at Kargi, Dehradun. **(Operated by: Uttarakhand Jal Sansthan)**	7.28	165	171	7.75	8.8	10	40	150
44	0.42 MLD STP at Vijay Colony, Dehradun. **(Operated by: Uttarakhand Jal Sansthan)**	7.15	170	180	7.58	10.0	12	50	210
45	0.71 MLD STP Salawala, Dehradun. **(Operated by: Uttarakhand Jal Sansthan)**	7.32	185	190	7.69	8.4	08	40	140
46	5.0 MLD STP at Indira Nagar, Dehradun. **(Operated by: Uttarakhand Jal Sansthan)**	7.45	160	168	7.95	9.6	10	50	140
47	1.0 MLD STP at Jakhan, Dehradun. **(Operated by: Uttarakhand Jal Sansthan)**	7.51	170	176	7.79	9.2	09	40	170
48	1.3 MLD STP at Landour (S), Mussoorie. **(Operated by: Uttarakhand Peyjal Nigam).**	7.20	165	169	7.63	8.8	10	40	140
49	3.12 MLD STP at Bhatta fall, Mussoorie. **(Operated by: Uttarakhand Jal Sansthan)**	7.39	155	161	7.85	9.6	10	40	210
50	0.8 MLD STP at Landour (N), Mussoorie. **(Operated by: Uttarakhand Jal Sansthan)**	6.90	180	176	7.36	9.6	11	50	110
51	1.2 MLD STP at Happy Valley, Mussoorie. **(Operated by: Uttarakhand Jal Sansthan)**	7.18	170	178	7.70	9.6	11	50	280
52	0.9 MLD STP at Kurli Bazaar, Mussoorie. **(Operated by: Uttarakhand Jal Sansthan**	7.40	190	195	7.80	10.0	12	50	210

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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	COD	Fecal Coliform
District - Haridwar									
53	27 MLD STP at Jagjeetpur, Haridwar. **(Operated by: Uttarakhand Jal Sansthan)**	6.84	165	190	7.12	9.6	10	40	120
54	18 MLD STP at Jagjeetpur, Haridwar. **(Operated by: Uttarakhand Jal Sansthan)**	6.98	150	110	7.03	9.2	09	30	94
55	68 MLD STP at Jagjeetpur, Haridwar. **(Operated by: Uttarakhand Peyjal Nigam)**	6.82	140	170	7.02	8.8	10	30	170
56	18 MLD STP at Sarai, Haridwar. **(Operated by: Uttarakhand Jal Sansthan)**	7.05	145	140	7.21	9.2	09	40	130
57	14 MLD STP at Sarai, Haridwar. **(Operated by: Uttarakhand Peyjal Nigam)**	7.14	180	180	7.26	10.0	10	50	110
58	33 MLD STP at Saliyar, Roorkee, Haridwar. **(Operated by: Uttarakhand Jal Sansthan)**	7.18	175	140	7.36	9.6	10	40	220
District - Nainital									
59	0.45 MLD STP at Hari Nagar, Distt-Nainital. **(Operated by: Uttarakhand Jal Sansthan)**	6.87	180	232	7.39	16.0	20	60	170
60	0.80 MLD STP at Krishnapur, Distt-Nainital. **(Operated by: Uttarakhand Jal Sansthan)**	6.64	225	280	7.56	20.0	26	80	210
61	1.25 MLD STP at Bheemtal, Distt-Nainital. **(Operated by: Uttarakhand Jal Sansthan)**	6.59	240	302	7.50	24.0	31	110	110
62	1.5 MLD STP at Puchdi, Ramnagar, Nainital. **(Operated by: Uttarakhand Jal Sansthan)**	6.93	120	148	7.40	9.0	10	30	94
63	7.0 MLD STP Transport Nagar, Ramnagar, Distt-Nainital. **(Operated by: Uttarakhand Jal Sansthan)**	7.12	150	188	7.64	8.0	09	30	84
64	0.45 MLD STP Narayan Nagar , Distt- Nainital . **(Operated by: Uttarakhand Jal Sansthan)**	6.90	215	264	7.85	16.0	22	60	280
65	28 MLD STP, Indra Nagar, Haldwani Distt- Nainital . **(Operated by: Uttarakhand Peyjal Nigam)**	6.61	190	236	7.10	14.0	18	50	350

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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	COD	Fecal Coliform
66	10 MLD STP Rusi Pond , District-Nainital.	New Sewage Treatment Plant (STP) of 17.5 MLD capacity is under construction.							
District - Pithoragarh									
67	1.25 MLD STP at Nirada, Distt-Pithoragarh. **Operated by: Uttarakhand Peyjal Nigam)**	7.14	135	164	7.35	12.0	15	40	210
68	5.0 MLD STP at Aincholi, Distt-Pithoragarh. (**Operated by: Uttarakhand Peyjal Nigam**)	6.88	170	212	7.71	16.0	20	60	140
District - Almora									
69	2.0 MLD STP Bakh, Almora, Distt-Almora. (**Operated by: Uttarakhand Jal Sansthan**)	6.72	205	256	7.91	22.0	28	80	210
Sewage Treatment final effluent standards (As Notified by MoEF&CC).					**6.5-9.0**	**30**	**<100**	**—**	**<1000**
Sewage Treatment final effluent standards (As per NGT).					**5.5-9.0**	**10**	**20**	**50**	**230**
Note: All values are in mg/l except pH, Fecal coliform (MPN Per 100 ml).									

NOTE: From Serial No. 1 to 52 All the parameters are tested/analyzed by Central Laboratory, Dehradun while from Serial no. 53 to 69 all the parameters are tested/analyzed by Regional offices laboratories except Microbiological Parameter (Fecal Coliform) which is tested/analyzed by Central Laboratory, Dehradun.

Pramod Bhandari 09/08/2024
(Pramod Bhandari)
Jr. Lab Assistant

09/08/2024
(Pradeep Chauhan)
Lab Assistant

9/8/24
(S.S.Chauhan)
Asst. Scientific Officer

12/8/2024
(Amit Pokhriyal)
Environment Engineer