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Environment



HEAD OFFICE
Uttarakhand Pollution Control Board
"Gaura Devi Paryavaran Bhawan"
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Dehradun - December 14, 2023

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 October, 2023 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 October, 2023 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


(S.K. Pattnaik)
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.**

October 2023

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	2.106
	Rudraprayag	0.525	0.47
	Pauri	7.625	4.198
	Tehri	22.685	14.57
	Uttarkashi	3.00	1.983
	Haridwar	178.00	151.00
	Dehradun	148.45	57.095
	Nainital	49.45	10.91
	Almora	2.00	1.65
	Pithoragarh	6.25	1.80
	Total	427.905	245.782
Capacity Utilization of existing STPs	245.782 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 capacity Rusi Pond at Nainital. (iv) 0.050 MLD STP, near Old Suspension Bridge, Chamoli (v) 0.050 MLD STP at Sangam Road, Nandprayag (vi) 1.120 MLD STP at Baitarni, Gopeshwar, Chamoli. (vii) 0.100 MLD STP near Rudra Complex, Rudraprayag. (viii) 0.075 MLD STP near Bus Stand, Rudraprayag (ix) 0.050 MLD STP near BRO Bridge, Kirtinagar, Tehri Garhwal		
No. of Complying STP's (Out of 59 Operational STPs monitored in the month of October, 2023)	▪ As per standards notified by MoEF& CC: 57 ▪ As per standards prescribed by the Hon'ble NGT order dated 30.04.2019: 40		

No. of Non-complying STP's (Out of 59 Operational STPs monitored in the month of October, 2023)				▪ As per standards notified by MoEF&CC: 03 ▪ As per standards prescribed by the Hon'ble NGT order dated 30.04.2019: 20			
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 October, 2023:

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: 17-10-2023).	
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	Non - 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	Non - Operational	STP found Non-operational as plant was under maintenance work. (Date of Inspection: 18-10-2023).	

	<i>(Operated by: Uttarakhand Jal Sansthan)</i>					
7.	Gopeshwar (Vivekanand Colony) Distt.-Chamoli <i>(Operated by: Uttarakhand Jal Sansthan)</i>	1.19	0.50	Operational	Complying	Complying
8.	Baiterni, Gopeshwar (DeenDayalUpadhayay Park), Distt.-Chamoli <i>(Operated by: Uttarakhand Jal Sansthan)</i>	1.12	0.075	Non - Operational	STP found Non-operational as plant was under maintenance work. (Date of Inspection: 18-10- 2023).	
9.	Gopeshwar (Pokhari Band) Distt.-Chamoli <i>(Operated by: Uttarakhand Jal Sansthan)</i>	1.25	0.50	Operational	Complying	Complying
10.	Nandprayag (Sangam Road) Distt.-Chamoli <i>(Operated by: Uttarakhand Jal Sansthan)</i>	0.05	0.015	Non - Operational	STP found closed and Non- operational at the time of inspection. (Date of Inspection: 16-10-2023).	
11.	Nandprayag (Forest office) Distt.-Chamoli <i>(Operated by: Uttarakhand Jal Sansthan)</i>	0.10	0.09	Operational	Complying	Complying
12.	Karanprayag (Police chowki) Distt.-Chamoli <i>(Operated by: Uttarakhand Jal Sansthan)</i>	0.05	0.05	Operational	Complying	Complying
13.	Karanprayag (Purana pull) Distt.-Chamoli <i>(Operated by: Uttarakhand Peyjal Nigam)</i>	0.10	0.08	Operational	Complying	Complying
14.	Karanprayag (Ward no. 1&3) Distt.-Chamoli <i>(Operated by: Uttarakhand Peyjal Nigam)</i>	0.10	0.035	Operational	Complying	Complying
15.	Karanprayag (Subhash Nagar) Distt.-Chamoli <i>(Operated by: Uttarakhand Jal Sansthan)</i>	0.05	0.02	Operational	Complying	Complying
16.	Karanprayag (Naya Pull) Distt.-Chamoli	0.05	0.005	Operational	Complying	Complying

	<i>(Operated by: Uttarakhand Peyjal Nigam)</i>					
17.	Rudraprayag (Near AnoopNegi School), Distt. – Rudraprayag <i>(Operated by: Uttarakhand Jal Sansthan)</i>	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 <i>(Operated by: Uttarakhand Peyjal Nigam)</i>	0.10	0.08	Non - Operational	STP found Non – Operational because of breakage in Sewer Line. Date of Inspection – 11.10.2023	
19.	Rudraprayag (Near Bus Stand) Distt.-Rudraprayag <i>(Operated by: Uttarakhand Peyjal Nigam)</i>	0.075	0.075	Non - Operational	STP found Non-Operational due to mechanical issue and untreated effluent was discharging directly into the drain near plant because of overflow. Date of inspection – 11.10.2023	
20.	Rudraprayag (Near SBI & Maszid), Distt-Rudraprayag <i>(Operated by: Uttarakhand Peyjal Nigam)</i>	0.10	0.090	Operational	Complying	Non - Complying
21.	Rudraprayag (Near Steel Bridge), Distt- Rudraprayag <i>(Operated by: Uttarakhand Jal Sansthan)</i>	0.125	0.125	Operational	Complying	Complying
22.	Rudraprayag (Belani) Distt-Rudraprayag <i>(Operated by: Uttarakhand Peyjal Nigam)</i>	0.05	0.025	Operational	Complying	Non - Complying
23.	Kirtinagar (BRO Bridge), Distt.- Tehri <i>(Operated by: Uttarakhand Jal Sansthan)</i>	0.05	0.03	Non - Operational	STP found Non – Operational due to Maintenance work. Date of Inspection 12.10.2023	
24.	Kirtinagar (Near Temple), Distt- Tehri <i>(Operated by: Uttarakhand Jal Sansthan)</i>	0.01	0.01	Operational	Non-Complying	Non-Complying
25.	Bhagirathipuram, Distt. -Tehri <i>(Operated by: Uttarakhand Jal Sansthan)</i>	5.00	2.50	Operational	Complying	Complying
26.	Chorpani, Dhalwala, Distt.-Tehri	5.00	4.20	Operational	Complying	Complying

	(Operated by: Uttarakhand Peyjal Nigam)					
27.	Chandreshwar Ghat, Dhalwala, Distt.-Tehri (Operated by: Uttarakhand Peyjal Nigam)	7.50	6.50	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	0.04	Operational	Complying	Complying
30.	Sangambazar, Devprayag Distt.-Tehri (Operated by: Uttarakhand Peyjal Nigam)	0.15	0.15	Operational	Complying	Complying
31.	Baah Bazar, Devprayag Distt.-Tehri (Operated by: Uttarakhand Jal Sansthan)	1.40	0.04	Operational	Complying	Non - 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	Non - Complying	Non-Complying
34.	Nursery Road, Srinagar Distt.-Pauri (Operated by: Uttarakhand Peyjal Nigam)	3.50	1.50	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	0.008	Operational	Complying	Complying
37.	Near Junior High School, Srikot, Srinagar Distt.- Pauri	0.075	0.070	Operational	Complying	Non - Complying

	<i>(Operated by: Uttarakhand Peyjal Nigam)</i>					
38.	Swargashram, Rishikesh, Distt.-Pauri <i>(Operated by: Uttarakhand Jal Sansthan)</i>	3.00	2.12	Operational	Complying	Complying
39.	Lakkarghat, Rishikesh Distt.-Dehradun <i>(Operated by: Uttarakhand Peyjal Nigam)</i>	26.00	12.30	Operational	Complying	Complying
40.	Jagjeetpur, Haridwar Distt.-Haridwar <i>(Operated by: Uttarakhand Jal Sansthan)</i>	27.00	27.00	Operational	Complying	Non - Complying
41.	Jagjeetpur, Haridwar Distt.-Haridwar <i>(Operated by: Uttarakhand Jal Sansthan)</i>	18.00	18.00	Operational	Complying	Complying
42.	Jagjeetpur, Haridwar Distt.-Haridwar <i>(Operated by: Uttarakhand Peyjal Nigam)</i>	68.00	54.98	Operational	Complying	Complying
43.	Sarai (I), Haridwar Distt.-Haridwar <i>(Operated by: Uttarakhand Jal Sansthan)</i>	18.00	18.00	Operational	Complying	Complying
44.	Sarai (II), Haridwar Distt.-Haridwar <i>(Operated by: Uttarakhand Peyjal Nigam)</i>	14.00	13.02	Operational	Complying	Complying
45.	Saliyar, Roorkee Distt.-Haridwar <i>(Operated by: Uttarakhand Jal Sansthan)</i>	33.00	20.00	Operational	Non - Complying	Non-Complying
46.	Motharawala-I, Dehradun Distt.-Dehradun <i>(Operated by: Uttarakhand Jal Sansthan)</i>	20.00	13.52	Operational	Complying	Complying
47.	Motharawala-II, Dehradun Distt.-Dehradun <i>(Operated by: Uttarakhand Jal Sansthan)</i>	20.00	11.00	Operational	Complying	Complying
48.	Kargi, Dehradun Distt.-Dehradun <i>(Operated by: Uttarakhand Jal Sansthan)</i>	68.00	13.00	Operational	Complying	Complying
49.	Vijay Colony, Dehradun Distt.-Dehradun	0.42	0.30	Operational	Complying	Complying

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

	Distt.-Almora (Operated by: Uttarakhand Jal Sansthan)					
62.	Roosi, Nainital, Distt.- Nainital (Operated by: Uttarakhand Jal Sansthan)	10.00	6.75	Non- Operational	New STP of 17.5 MLD capacity is under construction.	
63.	Ancholi, Pithoragarh Distt.-Pithoragarh (Operated by: Uttarakhand Peyjal Nigam)	5.00	1.00	Operational	Complying	Complying
64.	Nirada, Pithoragarh Distt.- Pithoragarh (Operated by: Uttarakhand Peyjal Nigam)	1.25	0.80	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	0.15	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	-	Operational	Complying	Complying
69.	Haldwani (Indira Nagar) Distt. -Nainital (Operated by: Uttarakhand Peyjal Nigam)	28.00	-	Operational	Complying	Non - Complying
	Total	427.92	245.782			

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	95%	Sewer lines already laid in 13 th Finance Programme.	DOC- Dec-23

Sl. No.	Location	Capacity of the plant in MLD	Physical progress in %	Status of I & D or House sewer connections	Completion Timeline
2	Kashipur Distt. -US Nagar	18.00	90%	-	DOC- Dec-2023
3	Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Dhella)	10.00	65% I&D – 50%		DOC- 06.01.2024
4	Mukhandpur, Kashipur, Distt. U.S. Nagar (Proposed under River Rejuvenation of Kosi)	0.50	25%	(Boundary wall is in progress & Reactor Foundation completed	DOC- 06.01.2024
5	Gularia, Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Dhella)	0.30	20%	(Boundary wall is in progress & Reactor Foundation completed	DOC- 06.01.2024
6	Jaspur Khurd, Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Bhella)	1.00	35% I&D – 50%		DOC- 06.01.2024
7	Hempur Smile, Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Bhella)	2.00	5%	Administrative Building & HT Substation Building is in progress.	DOC- 06.01.2024
8	Beljudi Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Dhella)	0.50	10%	Boundary wall is in progress.	DOC- 06.01.2024
9	Bazpur Distt. U.S. Nagar (Proposed under River Rejuvenation of Pilakhar)	10.00	24%	Boundary wall, CCT, SBR & Sludge Handling Unit is in progress.	DOC- 06.01.2024
10	Kichha, Rudrapur Distt. U.S. Nagar (Proposed under River Rejuvenation of Kichha)	3.00	5%	Administrative Building & HT Substation Building is in progress. BEP Approved. Drawing/Design is in Progress	DOC- 06.01.2024
11	Sitarganj Distt. U.S. Nagar (Proposed under River Rejuvenation of Nandhour)	3.00	5%	SBR is in progress. BEP Approved. Drawing/Design is in Progress.	DOC- 06.01.2024
12	Arcadia Zone, Mussoorie Distt. Dehradn	0.70	-	Work awarded. BEP / Structural drawing under preparation.	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
13	Library Zone, Mussoorie Distt. Dehradun	1.10	12%	Site development work & Raw Sewage sump work started.	DOC 29-07-2024
14	Company Garden Zone Mussoorie, Distt. Dehradun	0.70	8%	Site development work	DOC 29-07-2024
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	45%	Chamber, Admin Building, Site Development work in progress.	DOC 29-07-2024
17	Rudraprayag Gaurikund Distt.	0.20	-	Work awarded and BEP, under process	DOC 02-10-2024
18		0.01	-	Work awarded and BEP, under process	
19		0.006	-	Work awarded and BEP, under process	
20		0.006	-	Work awarded and BEP, under process	
21	Tilwada Distt. Rudraprayag	0.10	-	Work awarded and BEP, under process	
22	Pandeykhaula Distt. Almora	1.50	65%	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.	Mar-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)	

Sl. No.	Location	Capacity of the plant in MLD	Physical progress in %	Status of I & D or House sewer connections	Completion Timeline
25	Daurwala, Dehradun, Distt. Dehradun	18.00	-	Work awarded and review of detail design is in progress. (ADB)	DOC-08.06.2025
26	Banjarawala Package -1	11.00	-	Work awarded and review of detail design is in progress. (ADB)	DOC-16.06.2025
26	Total	120.37			

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	8.00	Letter of acceptance issued on 11-08-2023, and contract signing under progress	
3.	Swargashram, Rishikesh Distt. Pauri	3.00	Letter of acceptance issued on 11-08-2023, and contract signing under progress	
4.	Neelkanth, Rishikesh Distt. Pauri	1.50	Letter of acceptance issued on 11-08-2023, and contract signing under progress	
5.	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.	
6.	Sapera Basti, Dehradun	15.00	Land purchasing under processing. After land purchased LoA will issued.	
7.	Rudrapur Distt. U.S. Nagar (Proposed under River Rejuvenation of Kalyani)	0	DPR is being prepared under Namami Gange programme	
8.	Gyansu Distt. Uttarkashi	4.00	DPR prepared and sent to State sector for fund allocation.	
9.	Shivalik Nagar, Distt. Haridwar	8.00	Proposed under KfW	
10.	Kotdwar, Distt. Pauri	21.00	DPR prepared and sent to NMCG through SPMG, for fund allocation. In compliance of observation received from NMCG STP capacity revised	

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
11.	Haldwani Distt. Nainital	10.50	DPR under Preparation (ADB funded project).	
12.	Haldwani, Nainital Septage Co-Treatment Plant	0.14	DPR under Preparation (ADB funded project).	
13.	Vikasnagar, Distt. Dehradun	7.00	DPR under Preparation (ADB funded project).	
14.	Vikasnagar, Dehradun Septage Co-Treatment Plant	0.01	DPR under Preparation (ADB funded project).	
14	Total	83.45		

- 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 October 2023.

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 for 474 nos. of industrial Units. (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 vide its MOM dated 01-03-2021	CETP with 4.0 MLD UK Jal Nigam is an Implementing agency for the 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 G.M. SIIDCUL has directed the Implementing agency Peyjal Nigam in the meeting held on 08-07-2022, to prepare an estimate for remaining works and execute to the work after sanction, however Peyjal nigam has not submitted estimate till date. In this regard a letter has been sent by MD SIIDCUL to MD Peyjal Nigam vide letter no. 160/MD/SIIDCUL/2022 dated 31-12-2022 for compliance of the same. In this context a request letter is also sent to Additional Secretary Pey Jal Nigam Uttarakhand for necessary action. In this regard Chief Engineer Peyjal Nigam informed that Estimate of Rs.19.25 Cr.is prepared for said work and sent for T.A.C. to Secretary Planning, Govt.of Uttarakhand ,vide Letter no.516 dated 28-08-2023.

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.
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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	1620.21 MTPD ULB wise details in enclosed as Annexure-1.
Current Municipal Solid Waste Processed	1444.72 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	▪ Two waste processing & Sanitary Land Fill facilities (SLF) (Dehradun: 200 Ton/day & Haridwar: 150 Ton/day capacity) are functional in the State. ▪ Two waste processing & SLF facility i.e., one at Rishikesh (covering 5 ULBs) and one in Haldwani (covering 7 ULBs), project approved, in Haldwani RFP has been revised and in Rishikesh agreement has been done with successful bidder. ▪ 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. ▪ 41 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- 73 Nos. (Operational). The total capacity of Plastic Compactor in ULBs is 365 Tonnes per day.

	▪ Revenue generated from the plastic compactors is Rs. 4.39 Cr. till October 2023 by selling compacted plastics/balls.												
Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap>20%)	Two CSWTFs are operational at Haridwar and Dehradun with 100% utilization. Dehradun: Plant Installed Capacity- 200 TPD (8hr running capacity) Daily Solid Waste Collected (Average) –441.68 TPD Daily Waste Process (Average)- 441.68 TPD (100%). Haridwar: Plant Installed Capacity- 150 TPD (8hr running capacity) Daily Solid Waste Collected – 139.68 TPD Daily Waste Processed- 139.68 TPD (100%)												
Nos. and capacity of C&D waste processing plants in TDP (existing, proposed and under construction)	▪ 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. ▪ 76 ULBs have reported that the generated C&D waste is being used in backfilling/ filling of low-lying lands. ▪ 08 have identified site for this purpose and C&D Plant is proposed in Dehradun, Rishikesh and Kashipur under NCAP (National Clean Air Program) for which Site has been identified. Remaining 8 ULBs are in process of identification of site.												
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)	<table><tr><th>Current Status</th><th>Total DPRs</th><th>No. of ULBs</th><th>Timeline</th></tr><tr><td>DPR Approved & Plant Functional</td><td>7</td><td>11</td><td>Plant Functional</td></tr><tr><td>DPRs approved & funds have been disbursed to ULBs</td><td>55</td><td>78 / 80*</td><td>December 2023 for 20 Projects covering 21ULBs March 2024 for 18 Projects covering 20 ULBs December 2024 for 17 Projects covering 37/39* ULBs * 02 ULBs Muni ki Reti and Pirankaliyar is covering in</td></tr></table>	Current Status	Total DPRs	No. of ULBs	Timeline	DPR Approved & Plant Functional	7	11	Plant Functional	DPRs approved & funds have been disbursed to ULBs	55	78 / 80*	December 2023 for 20 Projects covering 21ULBs March 2024 for 18 Projects covering 20 ULBs December 2024 for 17 Projects covering 37/39* ULBs * 02 ULBs Muni ki Reti and Pirankaliyar is covering in
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				cluster of Rishikesh and Roorkee respectively.
	DPR Under revision as per SBM 2.0 (Shivalik Nagar, Chaukhutiya & Rudrapraya g)	03	03	1- As per direction of MoHUA DPR of Shivalik Nagar, Chaukhutiya is being revised as per SBM2.0 DPR of above ULBs was sent to MoHUA, Gol for approval after getting approved at GoUK as per SBM1.0. 2- Land has been transferred to ULBs by DM, Rudraprayag. DPR is being revised as per SBM2.0
	Total	65	92	
	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 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 for following projects			
	S. N.	Name of Project/ULB	No. of ULBs	Remarks
	1	Kotdwar ISWM Cluster	1	Public Hearing held on 16-09-2023
	2	Pithoragarh	1	Conditional ToR granted vide letter dt. 13-5-2023
	3	Gauchar	1	-
	4	Roorkee ISWM Cluster	5	Revised ToR submitted on 29-09-2023
	5	Sitarganj	1	-
	6	Mahuakhedaganj	1	-
	7	Naugaon (Uttarkashi)	1	-
	8	Kirtinagar	1	ToR issued on 13-5-2023
	9	Gadarpur ISWM Cluster	4	-
	10	Karnprayag	1	ToR issued in August, 2023
		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. Freshly applied for authorisation is 05 ULBs.																																																																				
No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills	Legacy Waste/ Old Garbage Dump Site: ▪ Following 08 DPR of 07 ULBs has been approved and fund has been received from GOI. <table><tr><th>S. N.</th><th>ULB/City</th><th>Legacy Waste Quantity (MT)</th><th>Legacy waste Remediated (Ton)</th><th>Remarks</th></tr><tr><td>1</td><td>Dehradun</td><td>499000</td><td>-</td><td>G.O. Issued</td></tr><tr><td>2</td><td rowspan="2">Haridwar</td><td>202000</td><td>-</td><td rowspan="2">G.O. Issued, Retender to be Floated</td></tr><tr><td>3</td><td>219000</td><td>-</td></tr><tr><td>4</td><td>Kashipur</td><td>83000</td><td>40000</td><td>Tender Done</td></tr><tr><td>5</td><td>Haldwani</td><td>207000</td><td>40000</td><td>RFP submitted to GoUK</td></tr><tr><td>6</td><td>Roorkee</td><td>130000</td><td>-</td><td>Tender under process</td></tr><tr><td>7</td><td>Rishikesh</td><td>217000</td><td>188047</td><td>Tender done</td></tr><tr><td>8</td><td>Kotdwar</td><td>16800</td><td>16800</td><td>Completed</td></tr></table> - Following 04 DPR of 04 ULBs in principle approved by NARC, funds awaited. <table><tr><th>S. N.</th><th>ULB/City</th><th>Legacy Waste Quantity (MT)</th><th>Legacy waste Remediated (Ton)</th><th>Remarks</th></tr><tr><td>1</td><td>Sitarganj</td><td>15324.74</td><td>-</td><td>-</td></tr><tr><td>2</td><td>Srinagar</td><td>18070</td><td>-</td><td>-</td></tr><tr><td>3</td><td>Bazpur</td><td>11970</td><td>-</td><td>-</td></tr><tr><td>4</td><td>Almora</td><td>21696</td><td>-</td><td>-</td></tr></table> - Following 02 DPR of 02 ULBs has been sent to MoHUA, Gol for approval.	S. N.	ULB/City	Legacy Waste Quantity (MT)	Legacy waste Remediated (Ton)	Remarks	1	Dehradun	499000	-	G.O. Issued	2	Haridwar	202000	-	G.O. Issued, Retender to be Floated	3	219000	-	4	Kashipur	83000	40000	Tender Done	5	Haldwani	207000	40000	RFP submitted to GoUK	6	Roorkee	130000	-	Tender under process	7	Rishikesh	217000	188047	Tender done	8	Kotdwar	16800	16800	Completed	S. N.	ULB/City	Legacy Waste Quantity (MT)	Legacy waste Remediated (Ton)	Remarks	1	Sitarganj	15324.74	-	-	2	Srinagar	18070	-	-	3	Bazpur	11970	-	-	4	Almora	21696	-	-
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S. N.	ULB/ City	Legacy Waste Quantity (MT)	Legacy waste Remediated (Ton)	Remarks
1	Uttarkashi	5490.6	3000	Remediation work is ongoing
2	Rudrapur	35000	-	Remediation Initiated
- Following 16 Dumpsited are funded by State/ULB				
S.N.	ULB/City	Legacy Waste Quantity (MT)	Legacy waste Remediated (Ton)	Remarks
1	Muni Ki Reti	13000	10000	Tender done
2	Doiwala	14000	9000	Tender done
3	Manglour	29506	-	DPR under process of approval
4	Pirankaliyar	26776	-	
5	Ramnagar	21630	-	
6	Duggadda	3127	-	
7	Khatima	32712	-	
8	Jhabrera	15000	-	-
9	Chamoli	1960	900	DPR approved under NGT/EC Fund
10	Gauchar	65	50	-
11	Joshimath	1366.65	700	-
12	Karnprayag	70	-	-
13	Gangotri	60	60	-
14	Nandprayag	40	40	-
15	Pithoragarh	31500	20000	Tender done
16	Mussoorie	10000	8000	-

	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 (for Total 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.
- **Recently for the SWM Plant at Chamiyala Nagar Panchayat land has been transferred by District Magistrate.**

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	21586.24 Tonnes (Year 2021-22)
No. of Industries generation Hazardous waste	4469 Nos.
Treatment Capacity of all TSDFs	Incineration-12000 MT/Year Land filling-8000 MT/Year

Quantity of Hazardous waste reached the TSDFs (Year 2021-22)	9151.55 MT (Landfill – 3269.383 MT & Incineration – 5882.17 MT)
Treated (Year 2021-22)	Landfillable: 3269.383 MT Incinerable: 5862.496 MT
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/Measure s adopted for reduction or management of plastic waste	▪ 73 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. 4.39 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, 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 Mehdoon 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 and 12.09.2023
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 October, 2023 is enclosed as Annexure-2. It is state that River Ganga (Haridwar to Sultanpur) (Priority-IV) has 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 is 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 Pikhar). 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) has been notified in 11th May, 2018. Remaining 3 stretches Flood Plain Zoning Work in Suswa, Kosi and Gola rivers is in final Phase and will be completed by January 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 October, 2023: - 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 October, 2023 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 border="1"> <thead> <tr> <th>S. No.</th><th>Year</th><th>Plantations (ha)</th></tr> </thead> <tbody> <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>2001.37*</td></tr> <tr> <td></td><td>Total</td><td>14767.17</td></tr> </tbody> </table> *in progress 2. Plantations under 'Namami Gange' Project utilizing CAMPA funds in various Ganga districts: <table border="1"> <thead> <tr> <th>S. No.</th><th>Year</th><th>Plantations (ha)</th></tr> </thead> <tbody> <tr> <td>1.</td><td>2022-23 (ASW)</td><td>1390.00</td></tr> <tr> <td>2.</td><td>2023-24 (Plantation)</td><td>1140.00</td></tr> <tr> <td></td><td>Total (Plantation)</td><td>1140.00</td></tr> </tbody> </table>	S. No.	Year	Plantations (ha)	1.	2020-21	5181.64	2.	2021-22	3781.46	3.	2022-23	3802.70	4.	2023-24	2001.37*		Total	14767.17	S. No.	Year	Plantations (ha)	1.	2022-23 (ASW)	1390.00	2.	2023-24 (Plantation)	1140.00		Total (Plantation)	1140.00
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1.	2020-21	5181.64																														
2.	2021-22	3781.46																														
3.	2022-23	3802.70																														
4.	2023-24	2001.37*																														
	Total	14767.17																														
S. No.	Year	Plantations (ha)																														
1.	2022-23 (ASW)	1390.00																														
2.	2023-24 (Plantation)	1140.00																														
	Total (Plantation)	1140.00																														

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 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

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 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 rowspan="2">2022-23</td><td>Plantations</td><td>Ha</td><td>163.00</td></tr><tr><td>4</td><td>Check Dams</td><td>Nos.</td><td>713</td></tr><tr><td>5</td><td rowspan="2">2023-24</td><td>Plantations</td><td>Ha</td><td rowspan="2">In progress</td></tr><tr><td></td><td>Check Dams</td><td>Nos.</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> * Progress as per MIS	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	In progress		Check Dams	Nos.	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.	2021-22	Advance Soil Works	Ha	131.94																																																													
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5.		Maintenance, cleaning works etc.	Ha	5.00																																																													
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 for machines i.e. JCB, Poclane etc. for excavation of River Bed Material. River Bed Mining is not permitted during the Monsoon season from 30th June onwards up to 30th October and also from sunset to sunrise. Transportation of RBM is carried out on E-Transit Pass. 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 October 2023, a 54 Cases of illegal mining/illegal transportation/illegal storage and a total 3.06 crore has been recovered from them.
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		The enforcement work done to prevent illegal mining/illegal transportation/illegal storage in the last eight 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 Upto October 2023	1312	9.82
			Total	19,262	120.81
		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. 4.06 Crore from various defaulters / law violators as an environment compensation.			

Monthly Progress Report of the month of October-2023

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	3.6	2.5
2	UTTARKASHI	BARAHAT UTTARKASHI	11	11	11	10.0	12.0
3	UTTARKASHI	GANGOTRIDHAM	4	4	4	0.1	0.1
4	UTTARKASHI	PUROLA	7	7	7	2.5	2.0
5	UTTARKASHI	CHIMYALISUR	7	7	7	2.5	2.0
6	UTTARKASHI	NAUGAON	7	7	7	2.0	1.8
1	UTTARKASHI		43	43	43	20.74	20.42
7	CHAMOLI GOPESHWAR	BADRINATH	4	4	4	0.8	0.8
8	CHAMOLI GOPESHWAR	JOSHIMATH	9	9	9	3.2	4.2
9	CHAMOLI GOPESHWAR	CHAMOLI-GOPESHWAR	11	11	11	2.8	3.0
10	CHAMOLI GOPESHWAR	NANDPRAYAG	4	4	4	15.0	15.0
11	CHAMOLI GOPESHWAR	GAUCHAR	7	7	7	4.2	4.8
12	CHAMOLI GOPESHWAR	KARNAPRAYAG	7	7	7	1.9	1.5
13	CHAMOLI GOPESHWAR	GAIRSAIN	7	7	7	1.2	2.9
14	CHAMOLI GOPESHWAR	POKHARI	7	7	7	2.0	2.0
15	CHAMOLI GOPESHWAR	THARALI	4	4	4	0.8	0.3
16	CHAMOLI GOPESHWAR	PIPALKOTI	4	4	4	0.4	0.2
2	CHAMOLI GOPESHWAR		64	64	64	32.38	34.69
17	RUDRAPRAYAG	KEDARNATH	1	1	1	1.5	1.5
18	RUDRAPRAYAG	RUDRAPRAYAG	7	7	7	3.2	2.0
19	RUDRAPRAYAG	UKHIMATH	4	4	4	0.1	0.1
20	RUDRAPRAYAG	AUGUSTMUNI	7	7	7	1.6	1.6
21	RUDRAPRAYAG	TILWARA	4	4	4	1.2	1.1
3	RUDRAPRAYAG		23	23	23	7.54	6.25
22	TEHRI	KIRTINAGAR	4	4	4	1.0	1.0
23	TEHRI	DEVAPRAYAG	4	4	4	0.6	0.2
24	TEHRI	TEHRI	11	11	10	9.6	4.3
25	TEHRI	CHAMBA U	9	9	9	3.7	3.7
26	TEHRI	NARENDRANAGAR	7	7	7	1.2	1.2
27	TEHRI	MUNI-KI-RETI	11	11	11	14.3	14.3
28	TEHRI	GHANSALI	7	7	7	2.0	2.0
29	TEHRI	LAMB GAON	4	4	4	1.5	1.0
30	TEHRI	GAJA	4	4	4	0.8	0.8
31	TEHRI	CHAMIYALA	7	7	7	2.0	1.0
32	TEHRI	TAPOVAN	4	4	4	0.0	0.0
4	TEHRI		72	72	71	36.74	29.65
33	DEHRADUN	VIKASNAGAR	11	11	11	8.0	8.0
34	DEHRADUN	HERBERTPUR	9	9	9	4.5	0.3
35	DEHRADUN	MUSSOORIE	13	13	13	14.2	14.2
36	DEHRADUN	DEHRADUN	100	100	100	493.8	493.8
37	DEHRADUN	DOIWALA	20	20	20	16.6	16.6
38	DEHRADUN	RISHIKESH	40	40	40	85.4	85.4
39	DEHRADUN	SELAQUI	9	9	0	13.5	13.5
5	DEHRADUN		202	202	193	635.92	631.68
40	PAURI GARHWAL	SRINAGAR	13	13	13	12.0	12.0
41	PAURI GARHWAL	PAURI	11	11	11	8.0	6.7
42	PAURI GARHWAL	DOGADDA	4	4	4	0.7	0.7
43	PAURI GARHWAL	KOTDWARA	40	40	40	51.5	51.5
44	PAURI GARHWAL	SWARGASHRAM	4	4	4	3.8	2.0
45	PAURI GARHWAL	SATPULI	4	4	4	1.3	1.3
46	PAURI GARHWAL	THALISAIN	4	0	0	0.0	0.0
6	PAURI GARHWAL		80	76	76	77.27	74.13
47	PITHORAGARH	DHARCHULA	7	7	7	3.8	1.6
48	PITHORAGARH	DIDIHAT	7	7	7	3.1	1.1
49	PITHORAGARH	PITHORAGARH	20	20	20	28.0	28.0
50	PITHORAGARH	GANGOLIHAT	7	7	7	0.3	0.3
51	PITHORAGARH	BERINAG	7	7	7	1.5	1.5
7	PITHORAGARH		48	48	48	36.77	32.51

52	BAGESHWAR	BAGESHWAR	11	11	11	7.5	2.8
53	BAGESHWAR	KAPKOT	7	7	7	2.0	1.8
54	BAGESHWAR	GARUD	7	0	0	0.0	0.0
8	BAGESHWAR		25	18	18	9.50	4.65
55	ALMORA	DWARHAT	4	4	4	0.6	0.5
56	ALMORA	ALMORA	13	13	13	8.0	26.8
57	ALMORA	RANIKHET-CHILIYANAULA	7	7	7	4.0	4.0
58	ALMORA	BHIKYASAIN	4	4	4	2.1	2.1
59	ALMORA	CHAWKHUTIYA	4	4	0	0.0	0.0
9	ALMORA		32	32	28	14.67	33.40
60	CHAMPAWAT	CHAMPAWAT	9	9	7	4.3	4.3
61	CHAMPAWAT	LOHAGHAT	7	7	7	2.5	2.5
62	CHAMPAWAT	TANAKPUR	11	11	5	3.1	1.2
63	CHAMPAWAT	BANBASA	7	7	7	2.0	0.3
10	CHAMPAWAT		34	34	26	11.90	8.30
64	NAINITAL	NAINITAL	15	15	15	12.3	12.3
65	NAINITAL	BHOWALI	7	7	7	2.0	2.0
66	NAINITAL	BHIMTAL	9	9	9	4.0	4.0
67	NAINITAL	HALDWANI	60	60	49	126.3	126.3
68	NAINITAL	RAMNAGAR_U	20	20	20	13.4	5.9
69	NAINITAL	KALADHUNGI	7	7	7	3.6	0.7
70	NAINITAL	LALKUAN	7	7	7	0.2	0.2
11	NAINITAL		125	125	114	161.78	151.42
71	UDHAMSINGH NAGAR	KASHIPUR	40	40	25	56.1	55.3
72	UDHAMSINGH NAGAR	MAHUA KHERAGANJ	9	9	0	3.2	2.0
73	UDHAMSINGH NAGAR	MAHUADABRA	7	7	7	2.5	1.1
74	UDHAMSINGH NAGAR	JASPUR	20	20	12	25.0	15.8
75	UDHAMSINGH NAGAR	SULTANPUR_U	7	7	7	0.4	0.6
76	UDHAMSINGH NAGAR	BAZPUR	13	13	13	10.5	5.4
77	UDHAMSINGH NAGAR	KELA KHERA	9	9	9	4.5	0.4
78	UDHAMSINGH NAGAR	RUDRAPUR	40	40	10	104.7	33.8
79	UDHAMSINGH NAGAR	KICHHA	20	20	15	17.8	7.1
80	UDHAMSINGH NAGAR	GADARPUR	11	11	11	8.0	15.8
81	UDHAMSINGH NAGAR	DINESHPUR	9	9	9	3.9	3.5
82	UDHAMSINGH NAGAR	SHAKTIGARH	7	7	7	1.2	0.7
83	UDHAMSINGH NAGAR	SITARGANJ	13	13	13	19.0	1.7
84	UDHAMSINGH NAGAR	KHATIMA	20	20	0	18.0	5.0
85	UDHAMSINGH NAGAR	NANAKAMTTA	7	7	7	4.0	0.5
86	UDHAMSINGH NAGAR	GULARBHOJ	7	7	5	2.0	1.0
87	UDHAMSINGH NAGAR	NAGLA	20	0	0	0.0	0.0
88	UDHAMSINGH NAGAR	LALPUR	4	0	0	0.0	0.0
12	UDHAMSINGH NAGAR		263	239	150	280.84	149.55
89	HARDWAR	ROORKEE (NN)	40	40	40	92.7	69.6
90	HARDWAR	JHABRERA	9	9	9	8.3	6.6
91	HARDWAR	MANGLAUR	20	20	20	22.1	20.7
92	HARDWAR	LANDHAURA	9	9	9	7.0	7.0
93	HARDWAR	HARDWAR	60	60	60	128.7	128.7
94	HARDWAR	LAKSAR	11	11	11	12.0	12.0
95	HARDWAR	SHIVALIK NAGAR	13	13	13	9.8	9.8
96	HARDWAR	BHAGWANPUR	9	9	9	6.6	6.6
97	HARDWAR	PIRAN KALIYAR	9	9	9	7.0	7.0
98	HARDWAR	IMLIKHEDA	9	0	0	0.0	0.0
99	HARDWAR	RAMPUR	11	0	0	0.0	0.0
100	HARDWAR	PADLI GUJJAR	11	0	0	0.0	0.0
101	HARDWAR	DHANDHERA	11	0	0	0.0	0.0
102	HARDWAR	Sultanpur Adampur	9	0	0	0.0	0.0
13	HARDWAR		231	180	180	294.17	268.07
TOTAL			1242	1156	1034	1620.21	1444.72

The Surface Water Quality of 09 polluted river stretches for the month of October, 2023

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	11.10.2023	US	Dhella Bridge, Kashipur, Bheljudi	29°13'12" N 78°56'42" E	6.8	6.2	3	20	260	161	26	540	240
		11.10.2023	DS	Gehruwala Village Pratappur	29°08'30" N 78°05'20" E	6.8	3.5	18	136	342	220	48	>1600	920
2	Bhella	11.10.2023	US	Bahella Bridge, Kashipur	29°16'43" N 79°01'19" E	7.3	6	2.8	16	214	138	23	280	220
		11.10.2023	DS	Bahella River rajpura tanda	29°07'45" N 78°59'03" E	6.9	3.6	17	128	390	258	50	>1600	1600
3	Kichha	12.10.2023	US	Main Road Kichha	28°57'43" N 79°32'17" E	7.4	6.9	2.3	16	195	122	25	1600	540
		12.10.2023	DS	Kichha Bridge	29°52'59" N 79°30'56" E	7.6	6.4	3	28	324	215	30	350	220
4	Suswa	05.10.2023	US	Mothrawala	30°13'59" N 78°01'48" E	7.43	2.2	30	100	348	231	-	>1600	>1600
		05.10.2023	DS	Barafutta	30°8'19.9" N 78°7'49.8" E	7.08	5.4	2.9	8	300	198	-	350	280
5	Kalyani	12.10.2023	US	Pantnagar Ind. Area Rudrapur	29°01'44" N 79°24'28" E	7.3	5.1	2.9	20	364	247	22	430	220
		12.10.2023	DS	Rampura ground Rudrapur	28°57'52" N 79°24'08" E	7.2	2	24	160	588	395	58	>1600	1600
6	Kosi	11.10.2023	US	Bajpur bridge Sultanpur pattu	28°09'32" N 79°02'19" E	7.6	6.9	3	16	232	154	23	220	130
		11.10.2023	DS	Bypass bridge patikalan	29°04'31" N 79°02'24" E	7.3	6.7	3	24	246	159	24	1600	540
7	Pilakhar	11.10.2023	US	Bajpur	29°10'21" N 79°08'44" E	7.2	5	3.5	32	248	162	25	920	540
		11.10.2023	DS	Rampur (U.P.)	29°12'12" N 78°58'42" E	7.4	3.8	9	104	426	278	38	>1600	1600
8	Nandhour	12.10.2023	US	Sitarganj	29°04'36" N 79°41'36" E	7.6	7.2	2.2	12	210	142	18	920	540
		12.10.2023	DS	Nandhor Bridge, Sitarganj	28°55'149" N 79°44'38" E	7.7	6.9	2.9	20	235	158	32	>1600	1600
9	Ganga	06.10.2023	US	Bindughat Dudhiyaban	29.970608°N- 78.183854°E	7.32	8.2	1.6	9.0	288	190	-	110	70
		05.10.2023	DS	Sultanpur	29.699043°N -78.166559°E	7.80	7.2	1.8	10.0	320	209	-	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 (October 2023)											
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	Lean	Oct-23	9.59	26.44	9.59	36.29%	
2	Srinagar HEP	330	Pauri Garhwal	GVK	Lean	Oct-23	109.02	266.95	13.08	4.90%	
3	Singoli Bhatwari HEP	99	Rudraprayag	L&T	Lean	Oct-23	14.95	44.47	15.45	34.76%	
4	(Tehri Dam + Koteswar Dam)	(1000 + 400)	Tehri	THDCIL	Lean	Oct-23	41.85	123.35	189.81	153.87%	
5	Tiloth Power Station (Maneri Dam)	3 x 30 = 90	Uttarkashi	UJVNL	Lean	Oct-23	23.79	73.78	23.95	32.46%	
6	Dharasu Power Station (Joshiyara Barrage)	4 x 76 = 304	Uttarkashi	UJVNL	Lean	Oct-23	35.85	126.69	37.22	29.38%	
7	Chilla Power Station	4 x 36 = 144	Pauri Garhwal	UJVNL	Lean	Oct-23	166.12	492.71	146.94	29.82%	
* As per MoWR RD&GR order dated 09.10.2018 20%, 25% and 30% of monthly average flow observed during each of preceding 10-daily period											

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 (October 2023)

S.No	Name of Hydro Power Project	Capacity (MW)	District	Developer	Months	E-Flow Norms*	Compliance of e-flow notification			Remark
							Average lean season flow (Cumecs)	E-Flow Released (Cumecs)	% of E-Flow released	
1	Dhauliganga HEP	280	Pithoragarh	NHPC	Oct-23	Minimum 15% of Average Lean Season flow	4.00	4.32	108.00%	
2	Tanakpur	120	Champawat	NHPC	Oct-23		164.00	27.71	16.90%	
3	Dakpathar Barrage (Dhalipur + Dhakrami)	(51 + 33.75)	Dehradun	UJVNL	Oct-23		67.71	18.10	26.73%	
4	Kulhal	30	Dehradun	UJVNL	Oct-23		13.03	3.09	23.71%	
5	Ichadi Dam (Chibro + Khodri)	(240 + 120)	Dehradun	UJVNL	Oct-23		72.46	11.16	15.40%	

* 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, Gol 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 (October 2023)

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	Oct-23	Minimum 15% of Average Lean Season flow	1.47	3.04	206.80%	
2	Gangani	8	Uttarkashi	Regency Gangani Energy	Oct-23		5.10	2.19	42.94%	
3	Badyar	4.9	Uttarkashi	Regency Yamuna Energy	Oct-23		1.30	0.74	56.92%	
4	Sarju-II	0	Bageshwar	Uttar Bharat Hydro	Oct-23		2.01	0.31	15.42%	
5	Sarju-III	10.5	Bageshwar	Uttar Bharat Hydro	Oct-23		4.06	0.63	15.52%	
6	Motighat	5	Pithoragarh	Himalya Hydro (P) Ltd.	Oct-23		3.04	3.52	115.79%	
7	Tanga	5	Pithoragarh	Himalya Hydro (P) Ltd.	Oct-23		3.04	3.52	115.79%	
8	Galogi SHP	3.5 MW	Dehradun	UJVNL	Oct-23		0.42	0.08	19.05%	
9	Ram Prasad Nautiyal, Dunao SHP	1.5 MW	Pauri Garhwal	UJVNL	Oct-23		2.81	0.46	16.37%	
10	Rajwakti	3.6	Chamoli	Him Urja	Oct-23		21.57	12.69	58.83%	
11	Vanala	15	Chamoli	Him Urja	Oct-23		18.07	9.25	51.19%	
12	Debal	5	Chamoli	Chamoli Hydro	Oct-23		2.50	4.41	176.40%	
13	Agunda Thuti	3	Tehri	Gunsola Hydro	Oct-23		3.85	0.58	15.06%	
14	Bhikangana	22.5	Tehri	Swasti Power	Oct-23		32.88	8.54	25.97%	
15	Bhilangana-III	24	Tehri	Bhilangna Hydro Power	Oct-23		14.54	4.76	32.74%	
16	Birahiganga	7.2	Chamoli	Birahiganga Hydro Power	Oct-23		2.70	2.70	100.00%	
17	Pilangad SHP	2.25	Uttarkashi	UJVNL	Oct-23		3.40	2.10	61.76%	
18	Urgan SHP	3	Chamoli	UJVNL	Oct-23		2.44	2.44	100.00%	
19	Kaliganga -I SHP	4	Rudraprayag	UJVNL	Oct-23		3.65	1.18	32.33%	
19	Kaliganga -II SHP	4.5	Rudraprayag	UJVNL	Oct-23	9.79	2.78	28.40%		

* 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 (STP's) for the Month of October 2023

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	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: -17-10-2023).						
2	0.26 MLD STP Near Bamni Gaon, Badrinath. (Operated by: Uttarakhand Jal Sansthan)	6.73	165	167	7.15	9.2	10	170
3	1.0 MLD STP Near Suspension Bridge, Badrinath. (Operated by: Uttarakhand Jal Sansthan)	6.58	175	179	7.23	10.0	13	210
4	2.70 MLD STP at Marwari, Joshimath. (Operated by: Uttarakhand Peyjal Nigam)	7.35	105	109	7.48	8.0	09	110
5	1.080 MLD STP at Pokhri, Joshimath. (Operated by: Uttarakhand Jal Sansthan)	7.21	110	113	7.44	9.2	12	350
6	0.760 MLD STP Near Alaknanda Ghat, Chamoli. (Operated by: Uttarakhand Jal Sansthan)	6.86	175	180	7.08	10.0	14	920
7	0.050 MLD STP Near old Suspension Bridge ,Chamoli. (Operated by: Uttarakhand Jal Sansthan)	6.69	165	161	STP found Non-operational as plant was under maintenance work. (Date of Inspection: 18-10-2023).			
8	1.190 MLD STP at Vivekanand Colony, Gopeshwar. (Operated by: Uttarakhand Jal Sansthan)	6.99	170	166	7.15	8.0	09	110
9	1.120 MLD STP at Baitarni, Gopeshwar. (Operated by: Uttarakhand Jal Sansthan)	6.80	155	151	STP found Non-operational as plant was under maintenance work. (Date of Inspection: 18-10-2023).			
10	1.25 MLD STP at Pokhri Band, Gopeshwar. (Operated by: Uttarakhand Jal Sansthan)	7.15	160	158	7.41	8.4	09	220
11	0.050 MLD STP at Sangam Road, Nandprayag. (Operated by: Uttarakhand Jal Sansthan)	STP found closed and Non-operational at the time of inspection. (Date of inspection: 16-10-2023).						
12	0.100 MLD STP at Forest Office, Nandprayag (Operated by: Uttarakhand Jal Sansthan)	7.22	135	132	7.36	8.8	09	170
		STP was operational but due to overflow untreated effluent was partially discharged into Nandakini River. (. (Date of inspection: 16-10-2023).)						
13	0.050 MLD STP Near Police Chowki, Karanprayag. (Operated by: Uttarakhand Jal Sansthan)	7.16	130	126	7.52	8.4	08	170
14	0.100 MLD STP Near Purana Pull, Karanprayag. (Operated by: Uttarakhand Peyjal Nigam)	6.59	165	168	7.76	8.8	10	130



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	0.100 MLD STP at Ward no. 1&3, Karanprayag. (Operated by: Uttarakhand Peyjal Nigam)	7.10	145	141	7.28	8.8	09	220
16	0.050 MLD STP at Subhash Nagar, Karanprayag. (Operated by: Uttarakhand Jal Sansthan)	6.64	140	137	7.06	8.4	08	170
17	0.050 MLD STP Near Naya Pull, Karanprayag. (Operated by: Uttarakhand Peyjal Nigam)	7.08	155	152	7.47	8.8	09	110
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)	STP found Non-operational at the time of inspection because sewage line was breakage. (Date of inspection: 11-10-2023).						
20	0.075 MLD STP, Near Bus Stand, Rudraprayag. (Operated by: Uttarakhand Peyjal Nigam)	7.18	120	116	STP found Non-operational due to mechanical issue and also untreated effluent was directly discharged into drain near plant because of overflow. (Date of inspection: 11-10-2023).			
21	0.100MLD STP, Near SBI & Maszid, Rudraprayag. (Operated by: Uttarakhand Peyjal Nigam)	7.30	135	133	8.03	10.0	12	350
22	0.125 MLD STP, Near Steel Bridge & Syndicate Bank, Rudraprayag . (Operated by: Uttarakhand Jal Sansthan)	7.63	125	120	7.90	8.4	08	170
23	0.050 MLD STP at Beleni Road, Near Steel Bridge, Rudraprayag. (Operated by: Uttarakhand Peyjal Nigam)	7.70	150	153	7.89	10.0	12	540
24	3.5 MLD STP at Nursary Road, Srinagar. (Operated by: Uttarakhand Peyjal Nigam)	7.40	205	207	7.70	8.8	10	220
25	1.0 MLD STP, Near ITI, Srinagar. (Operated by: Uttarakhand Jal Sansthan)	7.73	185	188	7.96	9.2	11	150
26	0.075 MLD STP Near Junior High School, Srikot, Srinagar. (Operated by: Uttarakhand Peyjal Nigam)	7.50	110	108	7.65	8.8	10	920
27	0.050 MLD STP Near Tauliya Nala, Srikot, Srinagar. (Operated by: Uttarakhand Peyjal Nigam)	7.70	115	112	7.85	8.0	08	220
28	0.050 MLD STP, Near BRO Bridge, Kirtinagar. (Operated by: Uttarakhand Jal Sansthan)	STP found Non-operational as plant was under maintenance work. (Date of inspection: 12-10-2023).						
29	0.010 MLD STP, Near Temple, Kirtinagar. (Operated by: Uttarakhand Jal Sansthan)	7.30	155	160	7.60	9.6	12	54*10 ²



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
30	0.075 MLD STP at Devprayag. (Operated by: Uttarakhand Peyjal Nigam)	6.85	175	173	7.11	8.8	09	130
31	0.150 MLD MLD STP at Devprayag. (Operated by: Uttarakhand Peyjal Nigam)	6.75	185	182	7.18	9.2	10	220
32	1.4 MLD STP at Pauri Road, Devprayag. (Operated by: Uttarakhand Jal Sansthan)	7.70	165	162	8.30	9.6	11	540
33	5.0 MLD STP at Bhagirathi Puram, Tehri. (Operated by: Uttarakhand Jal Sansthan)	6.96	165	170	7.65	9.2	12	220
34	2.0 MLD STP at Gyansu, Uttarkashi. (Operated by: Uttarakhand Jal Sansthan)	6.63	215	220	6.97	10.0	14	540
35	1.0 MLD STP at Gangotri, Distt- Uttarkashi. (Operated by: Uttarakhand Jal Sansthan)	6.95	150	154	7.16	9.6	13	35*10 ²
36	3.5 MLD STP at Tapovan, Rishikesh. (Operated by: Uttarakhand Jal Sansthan)	7.31	195	199	7.62	8.8	10	170
37	3.0 MLD STP at Swargashram, Rishikesh. (Operated by: Uttarakhand Jal Sansthan)	7.19	205	208	7.51	9.2	11	84
38	26 MLD STP at Lakkarghat, Rishikesh. (Operated by: Uttarakhand Peyjal Nigam)	7.11	175	172	7.35	8.8	09	94
39	5.0 MLD STP at Chorpani, Rishikesh. (Operated by: Uttarakhand Peyjal Nigam)	7.26	185	181	7.68	8.8	08	79
40	7.5 MLD STP at Chandreshwar Nagar, Rishikesh. (Operated by: Uttarakhand Peyjal Nigam)	7.40	160	157	7.57	9.2	10	94
41	20 MLD STP at Motharawala-I, Dehradun. (Operated by: Uttarakhand Jal Sansthan)	7.18	155	157	7.89	8.8	10	79
42	20 MLD STP at Motharawala-II, Dehradun. (Operated by: Uttarakhand Jal Sansthan)	7.34	150	154	7.68	8.4	09	110
43	68 MLD STP at Kargi, Dehradun. (Operated by: Uttarakhand Jal Sansthan)	7.14	165	170	7.59	8.8	10	70
44	0.42 MLD STP at Vijay Colony, Dehradun. (Operated by: Uttarakhand Jal Sansthan)	7.48	170	174	7.61	9.6	10	220
45	0.71 MLD STP Salawala, Dehradun. (Operated by: Uttarakhand Jal Sansthan)	7.43	175	172	7.69	8.0	08	130
46	5.0 MLD STP at Indira Nagar, Dehradun. (Operated by: Uttarakhand Jal Sansthan)	7.24	155	157	7.81	8.4	09	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	1.0 MLD STP at Jakhan, Dehradun. (Operated by: Uttarakhand Jal Sansthan)	7.36	150	155	7.51	9.2	12	170
48	27 MLD STP at Jagjeetpur, Haridwar. (Operated by: Uttarakhand Jal Sansthan)	7.11	195	175	7.62	12.0	16	140
49	18 MLD STP at Jagjeetpur, Haridwar. (Operated by: Uttarakhand Jal Sansthan)	7.38	180	160	7.82	10.0	10	94
50	68 MLD STP at Jagjeetpur, Haridwar. (Operated by: Uttarakhand Peyjal Nigam)	7.21	165	165	7.46	9.6	10	170
51	18 MLD STP at Sarai, Haridwar. (Operated by: Uttarakhand Jal Sansthan)	7.42	195	200	7.66	9.2	08	130
52	14 MLD STP at Sarai, Haridwar. (Operated by: Uttarakhand Peyjal Nigam)	7.66	200	140	7.96	10.0	10	220
53	33 MLD STP at Saliyar, Roorkee, Haridwar. (Operated by: Uttarakhand Jal Sansthan)	7.23	255	260	7.68	28.0	30	1600
54	1.3 MLD STP at Landour (S), Mussoorie. (Operated by: Uttarakhand Jal Sansthan)	7.30	170	167	8.11	10.0	11	920
55	3.12 MLD STP at Bhatta fall, Mussoorie. (Operated by: Uttarakhand Jal Sansthan)	8.14	150	147	8.35	8.8	08	130
56	0.8 MLD STP at Landour (N), Mussoorie. (Operated by: Uttarakhand Jal Sansthan)	7.47	170	168	8.30	10.0	12	350
57	1.2 MLD STP at Happy Valley, Mussoorie. (Operated by: Uttarakhand Jal Sansthan)	7.09	180	182	7.78	9.2	10	170
58	0.9 MLD STP at Kurli Bazaar, Mussoorie. (Operated by: Uttarakhand Jal Sansthan)	6.84	185	188	8.79	8.8	10	94
59	2.0 MLD STP Bakh, Almora, Distt-Almora. (Operated by: Uttarakhand Jal Sansthan)	6.88	280	340	7.60	28.0	36	94
60	0.45 MLD STP at Hari Nagar, Distt-Nainital. (Operated by: Uttarakhand Jal Sansthan)	6.86	240	296	7.55	16.0	20	170
61	0.80 MLD STP at Krishnapur, Distt-Nainital. (Operated by: Uttarakhand Jal Sansthan)	6.25	320	404	7.38	28.0	34	350
62	1.25 MLD STP at Bheemtal, Distt-Nainital. (Operated by: Uttarakhand Jal Sansthan)	6.41	360	442	7.19	30.0	38	140
63	1.25 MLD STP at Nirada, Distt-Pithoragarh. Operated by: Uttarakhand Peyjal Nigam)	7.10	320	398	7.45	14.0	18	110



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
64	5.0 MLD STP at Aincholi, Distt-Pithoragarh. (Operated by: Uttarakhand Peyjal Nigam)	6.72	295	372	7.22	10.0	12	220
65	1.5 MLD STP at Puchdi, Ramnagar, Nainital. (Operated by: Uttarakhand Jal Sansthan)	7.26	210	256	7.72	6.0	07	79
66	7.0 MLD STP Transport Nagar, Ramnagar, Distt-Nainital. (Operated by: Uttarakhand Jal Sansthan)	7.13	180	222	7.41	8.0	10	70
67	0.45 MLD STP Narayan Nagar, Distt-Nainital. (Operated by: Uttarakhand Jal Sansthan)	6.55	255	318	7.70	28.0	34	220
68	28 MLD STP, Indra Nagar, Haldwani Distt- Nainital. (Operated by: Uttarakhand Peyjal Nigam)	6.97	280	348	7.25	24.0	30	540
69	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).								

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