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HEAD OFFICE

Uttarakhand Pollution Control Board

"Gaura Devi Paryavaran Bhawan"

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Ref : UKPCB/HO/Gen-476(Vol-III)/2023/519,

Dehradun, July 21, 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,
1st Floor, Major Dhyan Chand National Stadium
India Gate, New Delhi-110002.

O/o ED (T), NMCG

Dy. No. 976

Date 21/7/23

Sub.: Monthly Progress Report of May, 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 May, 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.

to (Sh. Rasth)

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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), NamamiGange, 117, Indira Nagar, VasantVihar, Dehradun- 248006 (Uttarakhand) for kind information.

Member Secretary

Clean Environment and Healthy Life Style

स्वच्छ पर्यावरण व स्वस्थ जीवन शैली

**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.**

May, 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	141.04
	Dehradun	148.45	57.095
	Nainital	49.45	10.91
	Almora	2.00	1.65
	Pithoragarh	6.25	1.80
	Total	427.905	235.822
Capacity Utilization of existing STPs	235.822 MLD		
MLD of sewage being treated through alternate technology	192.085 MLD Through Septic tank and Soak pit.		
No. of Operational STPs	63 Nos.		
No. of Non-Operational STPs	05 Nos. (i) 0.075 MLD STP near Anoop Negi School, Rudraprayag. (ii) 10 MLD capacity Rusi Pond at Nainital. (iii) 0.100 MLD STP at Forest Office, Nandprayag (iv) 0.010 MLD STP near Temple at Badrinath (v) 1.080 MLD STP, Pokhri, Joshimath		
No. of Complying STP's (Out of 63 Operational STPs monitored in the month of May, 2023)	- As per standards notified by MoEF& CC: 49 - As per standards prescribed by the Hon'ble NGT order dated 30.04.2019: 24		
No. of Non-complying STP's (Out of 63 Operational STPs monitored in the month of May, 2023)	- As per standards notified by MoEF&CC: 14 - As per standards prescribed by the Hon'ble NGT order dated 30.04.2019: 39		

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 May, 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	0.26	0.050	Operational	Non - Complying	Non - Complying
2.	Badrinath (Near Temple) Distt.- Chamoli	0.01	0.005	Non-Operational	STP was non operational as no effluent was reaching the STP.	
3.	Badrinath (Near suspension Bridge) Distt. Chamoli	1.00	0.200	Operational	Non - Complying	Non - Complying
4.	Joshimath (Pokhri) Distt.-Chamoli	1.08	0.421	Non - Operational	STP found non operational at the time of inspection.	
5.	Gopeshwar (Chamoli Ghat) Distt.-Chamoli	0.76	0.05	Operational	Complying	Complying
6.	Gopeshwar (Near Suspension bridge) Distt. Chamoli	0.05	0.010	Operational	Non - Complying	Non - Complying
7.	Gopeshwar (Vivekanand Colony) Distt.-Chamoli	1.19	0.50	Operational	Complying	Non - Complying
8.	Gopeshwar (DeenDayalUpadhayay Park), Baiterni, Distt.- Chamoli	1.12	0.075	Operational	Complying	Non - Complying

9.	Gopeshwar (Pokhari Band) Distt.-Chamoli	1.25	0.50	Operational	Complying	Complying	
10.	Nandprayag (Sangam Road) Distt.-Chamoli	0.05	0.015	Operational	Complying	Complying	
11.	Nandprayag (Forest office) Distt.-Chamoli	0.10	0.09	Non - Operational	STP found non-operational during inspection.		Cc
12.	Karanprayag (Police chowki) Distt.-Chamoli	0.05	0.05	Operational	Complying	Complying	
13.	Karanprayag (Purana pull) Distt.-Chamoli	0.10	0.08	Operational	Non - Complying	Non - Complying	
14.	Karanprayag (Ward no. 1&3) Distt.-Chamoli	0.10	0.035	Operational	Complying	Non - Complying	
15.	Karanprayag (Subhash Nagar) Distt.-Chamoli	0.05	0.02	Operational	Complying	Complying	
16.	Karanprayag (Naya Pull) Distt.-Chamoli	0.05	0.005	Operational	Non - Complying	Non - Complying	
17.	Rudraprayag (Near AnoopNegi School), Distt. - Rudraprayag	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	0.10	0.08	Operational	Complying	Non - Complying	
19.	Rudraprayag (Near Bus Stand) Distt.- Rudraprayag	0.075	0.075	Operational	Non - Complying	Non - Complying	
20.	Rudraprayag (Near SBI &Maszid), Distt- Rudraprayag	0.10	0.090	Operational	Complying	Non - Complying	
21.	Rudraprayag (Near Steel Bridge), Distt- Rudraprayag	0.125	0.125	Operational	Complying	Non - Complying	

22.	Rudraprayag (Belani) Distt- Rudraprayag	0.05	0.025	Operational	Non-Complying	Non-Complying
23.	Kirtinagar (BRO Bridge), Distt.-Tehri	0.05	0.03	Operational	Non-Complying	Non-Complying
24.	Kirtinagar (Near Temple), Distt-Tehri	0.01	0.01	Operational	Non-Complying	Non-Complying
25.	Bhagirathipura m, Distt. -Tehri	5.00	2.50	Operational	Complying	Non-Complying
26.	Chorpani, Dhalwala, Distt.-Tehri	5.00	4.20	Operational	Complying	Complying
27.	Chandreshwar Ghat, Dhalwala, Distt.-Tehri	7.50	6.50	Operational	Complying	Complying
28.	Tapovan, Rishikesh Distt.-Tehri	3.50	1.10	Operational	Complying	Complying
29.	Shanti bazar, Devprayag, Distt.-Tehri	0.075	0.04	Operational	Complying	Non-Complying
30.	Sangambazar, Devprayag Distt.-Tehri	0.15	0.15	Operational	Complying	Complying
31.	Baah Bazar, Devprayag Distt.-Tehri	1.40	0.04	Operational	Complying	Non-Complying
32.	Gyansu, Uttarkashi Distt.- Uttarkashi	2.00	1.783	Operational	Non-Complying	Non-Complying
33.	Gangotri, Uttarkashi Distt.- Uttarkashi	1.00	0.20	Operational	Non-Complying	Non-Complying
34.	Nursery Road, Srinagar Distt.-Pauri	3.50	1.50	Operational	Complying	Non-Complying
35.	Srinagar (Near ITI) Distt.-Pauri	1.00	0.50	Operational	Complying	Complying
36.	Taulia, Srikot Distt.- Pauri Garhwal	0.05	0.008	Operational	Non-Complying	Non-Complying
37.	Near Junior High School, Srikot,	0.075	0.070	Operational	Complying	Non-Complying

	Srinagar Distt.- Pauri					
38.	Swargashram, Rishikesh, Distt.-Pauri	3.00	2.12	Operational	Complying	Complying
39.	Lakkarghat, Rishikesh Distt.-Dehradun	26.00	12.30	Operational	Complying	Complying
40.	Jagjeetpur, Haridwar Distt.-Haridwar	27.00	27.00	Operational	Complying	Complying
41.	Jagjeetpur, Haridwar Distt.-Haridwar	18.00	18.00	Operational	Complying	Complying
42.	Jagjeetpur, Haridwar Distt.-Haridwar	68.00	45.02	Operational	Complying	Complying
43.	Sarai (I), Haridwar Distt.-Haridwar	18.00	18.00	Operational	Complying	Complying
44.	Sarai (II), Haridwar Distt.-Haridwar	14.00	13.02	Operational	Complying	Complying
45.	Saliyar, Roorkee Distt.-Haridwar	33.00	20.00	Operational	Complying	Non-Complying
46.	Motharawala-I, Dehradun Distt.-Dehradun	20.00	13.52	Operational	Complying	Non-Complying
47.	Motharawala-II, Dehradun Distt.-Dehradun	20.00	11.00	Operational	Non-Complying	Non-Complying
48.	Kargi, Dehradun Distt.-Dehradun	68.00	13.00	Operational	Complying	Non-Complying
49.	Vijay Colony, Dehradun Distt.-Dehradun	0.42	0.30	Operational	Complying	Complying
50.	Salawala, Dehradun Distt.-Dehradun	0.72	0.35	Operational	Complying	Complying
51.	Indira Nagar, Dehradun Distt.-Dehradun	5.00	5.00	Operational	Complying	Complying
52.	Jakhan, Dehradun Distt.-Dehradun	1.00	0.14	Operational	Complying	Complying
53.	Bhattafall, Mussoorie Distt.-Dehradun	3.12	0.80	Operational	Complying	Complying
54.	Happy Valley, Mussoorie	1.20	0.20	Operational	Non-Complying	Non-Complying

	Distt.-Dehradun					
55.	Landour, South, Mussoorie Distt.-Dehradun	1.30	0.10	Operational	Complying	Non-Complying
56.	Landour, North, Mussoorie Distt.-Dehradun	0.80	0.035	Operational	Complying	Non-Complying
57.	Kulri Bazaar, Mussoorie Distt.-Dehradun	0.90	0.35	Operational	Complying	Complying
58.	Hari Nagar, Nainital Distt.-Nainital	0.45	0.25	Operational	Complying	Non-Complying
59.	Krishnapur, Nainital Distt.-Nainital	0.80	0.45	Operational	Complying	Non-Complying
60.	Bheemtal, Nainital Distt.-Nainital	1.25	0.810	Operational	Complying	Non-Complying
61.	Bakh, Almora Distt.-Almora	2.00	1.65	Operational	Complying	Non- Complying
62.	Roosi, Nainital, Distt.- Nainital	10.00	6.75	Non-Operational	New STP of 17.5 MLD capacity is under construction.	
63.	Ancholi, Pithoragarh Distt.- Pithoragarh	5.00	1.00	Operational	Complying	Non-Complying
64.	Nirada, Pithoragarh Distt.- Pithoragarh	1.25	0.80	Operational	Complying	Non-Complying
65.	Transport Nagar Ramnagar Distt.- Nainital	7.00	2.5	Operational	Complying	Non-Complying
66.	Ramnagar, Puchdi, Distt.- Nainital	1.50	0.15	Operational	Complying	Non - Complying
67.	Narayan Nagar, Nainital Distt. Nainital	0.450	-	Operational	Complying	Non - Complying
68.	Marwari, Joshimath Distt. -Chamoli	2.70	-	Operational	Complying	Complying
69.	Haldwani (Indira Nagar) Distt. -Nainital	28.00	-	On Trial run		
	Total	427.92	235.82			

Details of under construction STPs in the State:

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	82%	Sewer lines already laid in 13 th Finance Programme.	June-2023
2.	Kashipur Distt. -US Nagar	18.00	89%	-	June, 2023
3.	Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Dhella)	10.00	50%	I&D – 50%	DOC-06.01.2024
4.	Mukhandpur, Kashipur, Distt. U.S. Nagar (Proposed under River Rejuvenation of Kosi)	0.50	Boundary Wall in progress & BEP under preparation		DOC-06.01.2024
5.	Gularia, Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Dhella)	0.30	Boundary Wall in progress & BEP under preparation		DOC-06.01.2024
6.	Jaspur Khurd, Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Bhella)	1.00	30%	I&D – 50%	DOC-06.01.2024
7.	Hempur Smile, Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Bhella)	2.00	BEP under preparation.		DOC-06.01.2024
8.	Beljudi Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Dhella)	0.50	Boundary Wall in progress & BEP under preparation		DOC-06.01.2024
9.	Bazpur Distt. U.S. Nagar (Proposed under River Rejuvenation of Pilakhar)	10.00	13% (Boundary Wall, CCt, SBR in Progress)		DOC-06.01.2024
10.	Kichha, Rudrapur Distt. U.S. Nagar (Proposed under River Rejuvenation of Kichha)	3.00	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	BEP Approved. Drawing/Design is in Progress.		DOC-06.01.2024
12.	Roosi Pond, Nainital Distt. Nainital	17.50	Work awarded and review of detail design is in progress.		DOC-07.05.2025
13.	Nakronda, Dehradun, Distt. Dehradun	17.50	Work awarded and review of detail design is in progress.		

No.	Location	Capacity of the plant in MLD	Physical progress in %	Status of I & D or House sewer connections	Completion Timeline
			(ADB)		
14.	Daurwala, Dehradun, Distt. Dehradun	18.00	Work awarded and review of detail design is in progress.	(ADB)	DOC-08.06.2025
15.	Banjarawala Package -1	11.00	Work awarded and review of detail design is in progress.		DOC-16.06.2025
16.	Arcadia Zone, Mussoorie Distt. Dehradun	0.70	Work awarded. BEP / Structural drawing under preparation.		DOC 29-07-2024
17.	Library Zone, Mussoorie Distt. Dehradun	1.10	Site development work started.		DOC 29-07-2024
18.	Company Garden Zone Mussoorie, Distt. Dehradun	0.70	Work awarded and review of detail design is in progress.		DOC 29-07-2024
19.	Camel's Back Zone, Mussoorie, Distt. Dehradun	0.70	Work awarded and review of detail design is in progress.		DOC 29-07-2024
20.	Dhobi Ghat Zone, Mussoorie, Distt. Dehradun	0.05	Work started		DOC 29-07-2024
21.	Rudraprayag Gaurikund Distt.	0.200 0.010 0.006 0.006	Work awarded and BEP, detail design is in under preparation.		DOC 02-10-2024
	Tilwada Distt. Rudraprayag	0.100			
	Total	118.872			

Details of proposed STPs in the State:

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	Rudrapur Distt. U.S. Nagar (Proposed under River Rejuvenation of Kalyani)	-	DPR is being prepared under Namami Gange programme	
2	Pandeykhaula Distt. Almora	1.50	DPR approved and tender finalised.	
3	Gyansu Distt. Uttarkashi	4	DPR prepared and sent to State sector for fund allocation.	
4	Khadri, Rishikesh Distt. Dehradun	5	Proposed under KIW	
5	Muni ki Reti, Rishikesh Distt. Tehri	5	Approved during September, 2022 by NMCG. Tendering under progress.	
6	Swargashram, Rishikesh Distt. Pauri	3		

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
7	Neelkanth, Rishikesh Distt. Pauri	1.50		
8	Haldwani Distt. Nainital	10.5	DPR under Preparation (ADB funded project).	
9	Haldwani, Nainital Septage Co-Treatment Plant	0.14	DPR under Preparation (ADB funded project).	
10	Vikasnagar, Distt. Dehradun	7.0	DPR under Preparation (ADB funded project).	
11	Vikasnagar, Dehradun Septage Co-Treatment Plant	0.01	DPR under Preparation (ADB funded project).	
12	Shivalik Nagar, Distt. Haridwar	8.00	Proposed under KfW	
13	Kotdwar, Distt. Pauri	14.00	DPR prepared and sent to SPMG, Dehradun for fund allocation	
	Total	59.65		

- 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. 199.36 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. 22% 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
Quantity of Hazardous Waste generated from the industries	22586.24 Tonnes (Year 2021-22)
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,

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	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

				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.
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 CETP is not feasible in IIE Kashipur while in IIE Sitarganj the capacity of CETP estimated is 8 MLD only and that to only one CETP catering to all three packages will be developed accordingly tender documents for establishing proposed CETP is being under scrutiny with technical cooperation from GIZ.

4. SOLID WASTE MANAGEMENT:

Total number of Urban Local Bodies and their Population	102 Urban Local Bodies, Population- 36,26,586 (10 ULBs are newly added)
Current Municipal Solid Waste Generation	1378.86 MTPD
Current Municipal Solid Waste Processed	1133.81 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	Two waste processing & Sanitary Land Fill facilities Two waste processing & Sanitary Land Fill facilities (SLF) (Dehradun: 200 Ton/day & Haridwar: 150 Ton/day capacity) are functional in the State.

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 & 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. - In NPP Muni-ki-Reti, a 5MTPD capacity Plastic to Plank system has been installed. - Plastic Compactors- 71 Nos. (Operational). The total capacity of Plastic Compactor in ULBs is 315 Tonnes per day. - Revenue generated from the plastic compactors is Rs. 406.624 Lacs till May 2023 by selling compacted plastics/ bails.								
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) –457.07 TPD Daily Waste Process (Average)- 457.07 TPD (100%). Haridwar: Plant Installed Capacity- 150 TPD (8hr running capacity) Daily Solid Waste Collected – 119.64 TPD Daily Waste Processed- 119.64 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-1152 Door to door Collecton-1152 Source Segregation-1051								
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	<table><tr><th>Current Status</th><th>To tal DP Rs</th><th>No. of ULBs</th><th>Timeline</th></tr><tr><td>DPR Approved & Plant Functional</td><td>05</td><td>09</td><td>Plant Functional</td></tr></table>	Current Status	To tal DP Rs	No. of ULBs	Timeline	DPR Approved & Plant Functional	05	09	Plant Functional
Current Status	To tal DP Rs	No. of ULBs	Timeline						
DPR Approved & Plant Functional	05	09	Plant Functional						

DPRs approved & funds have been disbursed to ULBs	55	73	December 2023 for 23 Projects consisting 24 ULBs March 2024 for 16 Projects consisting 22 ULBs December 2024 for 16 Projects consisting 29 ULBs
DPRs sent to MoHUA, GoI for approval after getting approved at GoUK. (Shivalik Nagar, Chaukhutiya)	02	02	Subjected to approval & funds disbursement from MoHUA, GoI.
DPR, Approved by GoI, GO pending at GoUK	02	07	GO will be issued after EFC at GoUK level
DPRs prepared and new technology is being explored as per the climatic conditions in NP Kedarnath.	01	01	• DPR of Kedarnath is under process of approval, Land has been transferred to ULBs by DM, Rudraprayag.
Total	65	92	

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 Projects/ULBs	No. of ULBs
1	Dehradun ISWM Cluster	5
2	Haldwani – Rudrapur ISWM Cluster	8
3	Rishikesh	5
4	Srinagar	1
5	Joshimath	1
6	Haridwar	1
7	Pauri	1
	Total	22

EC Applied for following projects

S.N.	Name of Project/ULBs	No. of ULBs
1	Kotdwar ISWM Cluster	1
2	Tehri- Chamba ISWM Cluster	2
3	Chamoli	1
4	Gauchar	1
5	Roorkee ISWM Cluster	5
6	Sitarganj	1
7	Mahuakhedaganj	1
8	Dineshpur	1
9	Naugaon (Uttarkashi)	1
10	Kirtinagar	1
11	Gadarpur ISWM Cluster	4
12	Pithoragarh	1
	Total	20

EC of following projects rejected

S.N.	Name of Project/ULBs	No. of ULBs
1	Almora	1
2	Ramnagar	1
	Total	2

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.

S.N.	ULB Name	Legacy Waste site Name	Area (in Ha)	Quantity of Legacy Waste (in MT)	Cost (in Cr.)
1	Dehradun	Danda Lakhond,	7.57	4.99	27.46

		Sahasradhara road			
2	Haridwar	Chadighat	13.69	2.02	11.09
3	Haridwar	Sarai	9.31	2.19	11.02
4	Kashipur	Kachnal Ganji	0.60	0.83	4.58
5	Haldwani	Gola Rokhad	14.97	2.07	11.40
6	Roorkee	Saliyar	5.97	1.30	7.17
7	Rishikesh	Govind Nagar	4.00	2.17	6.46
8	Kotdwar	Near Khoh River	0.56	0.16	0.92

(Bio-remediation Cost @ Rs.550 /MT as per SBM 2.0 Guidelines. Above Proposal approved by SHPC on 19.02.2021 & sent to Gol and approved by MoHUA, Gol)

- Funds disbursement of total Rs. 28.83 Cr (as first instalment) done for 8 sites of 7 ULBs, i.e. Dehradun, Haridwar, Rishikesh, Roorkee, Kotdwar, Kashipur, Haldwani.
- For Nagar Nigam, Rishikesh out of total allocation of Rs. 6.45 Cr., Rs. 2.33 Cr. Has been disbursed and allotted to Nagar Nigam, Rishikesh vide GO No. 570 dt.07.09.2022.
- For Haridwar: GO issued- RFP being floated. For Dehradun GO is being issued, all approvals granted. Roorkee- RFO floated, bidder applied, technical bid evaluation will be completed.
- 100 % of legacy waste has been remediated by Kotdwar and 50% of legacy waste has been remediated by Kashipur & Rishikesh out of above mentioned 8 dumpsites.
- Following 06 DPR of 06 ULBs has been sent MoHUA, GOI for approval.

S.N	ULB Name	Legacy Waste site Name	Area (in Ha)	Quantity of Legacy Waste (in MT)	Cost (in Lakh)
1	Sitarganj	Sidcul Road, Sitarganj	0.389	0.15	0.72
2	Srinagar	Alaknanda	0.471	0.18	0.98

	3	Bazpur	Gas Godam, Nainital Road, Bazpur	0.956	0.11	0.59
	4	Almora	Badechhin a Road, Almora	0.368	0.21	1.26
	5	Uttarkashi	Ward no. 7, Tambakha ni	0.296	0.54	0.73
	6	Rudrapur	Pahadgan j, ward no. 15	1.75	0.35	1.92
▪ Rudrapur and Uttarkashi has initiated remediation of legacy waste. ▪ DPR of Doiwala has been approved by GoUK. 50 % of legacy waste has been remediated. ▪ <i>05 DPRs of 05 ULBs Manglaur, Ramnagar, Pirankaliyar, Duggada and Khatima has been prepared & at different stages of evaluation and approval.</i> ▪ Remaining 05 ULBs have measured the waste quantity & are in process of DPR preparation. (Chamba, Gangolihat, Jhabreda, Berinag & Landhaura). ▪ Waste is being remediated by 05 ULBs (Karnprayag, Barkot, Mussoorie, Pithoragarh, & Joshimath). ▪ Cumulatively till date approximately 2.2 lakh Tonns of legacy waste has been remediated. Sanitary Land Fill: ▪ 03 Scientific Sanitary Landfills (Kirtinagar, Haridwar & Dehradun) are in operation. ▪ Presently in Haridwar 18000 cu.m. capacity available, proposed to add 80000 cu.m. (Retendering is in process); in Dehradun total capacity is 225000 cu.m. and about 40000 cu.m. newly constructed is available at the site.						
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.
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 75 ULBs (9 Clusters serving 35 ULBs and 38 ULBs procured individually)
- Land identified on rent basis: 03 ULBs land on rent (Nathuvawala Model; Ward No. 100 Dehradun).
- 01 Cluster covering 02 ULBs have identified forest land and in process of approval.
- 11 ULBs individually identified forest land and in process of approval.
- 01 ULBs have identified revenue land are in process of approval,
(75+3+2+11+1=92).

Recently for construction of SWM Plant at Kedamath Nagar Panchayat land has been transferred by District Magistrate and DPR is under process of approval.

5. BIO-MEDICAL WASTE MANAGEMENT:

Total Bio-medical generation	6891.37 Kg/day. (Year 2021)
No. of Hospitals and Health Care Facilities	5355 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 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.
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7. PLASTIC WASTE MANAGEMENT:

Total Plastic Waste generation	55991 MTPA (From 92 ULBs)
Treatment/Measures adopted for reduction or management of plastic waste	71 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. 406.624 Lakh by selling of compacted plastics/ bails till date - Total capacity of Compactor is 315 Tonnes per day. 53 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 - The Government of Uttarakhand has imposed restriction on supply, carry, storage, transportation, manufacturing, sale, purchase and import of identified Single Use Plastic items vide notification dated 16.02.2021. - The Government of Uttarakhand has constituted a Special Task Force under chairmanship of Chief Secretary and District Level task Force under chairmanship of District Magistrate vide notification dated 31.08.2021 to eliminate banned single use plastic items, in mission mode. - Awareness campaign is being done for elimination of banned single use plastic items in the State. - SUP Ban Drive/Inspection Drive is being done regularly and Challan is being imposed on violators. - SUP grievance app has created by CPCB.

OTHERS:

8.	Details of Alternate Treatment Technology being adopted by the State/UT	The treatment technologies i.e., SBR, MBBR, SBT and Electro Coagulation are being used in the State for STPs. In addition of above, Bio remediation treatment technology has been adopted for treatment of drains for the period till STPs are constructed and becomes functional.
9.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in situ treatment.	Main Ganga Stream: Total 135 drains identified along the main stream of river Ganga. Out of 135 drains, 131 drains sanctioned by NMCG New Delhi. Remaining 4 drains, 3 drain of Srikot have not sanctioned because BOD<30 and 1 drain of Rawali Mehdood is under Sidcul. Out of 131 sanctioned drains 131 drains have been tapped.

		Dehradun: Total 177 nos small household drains has been sanctioned for I&D under Namami Gange Programme. 144 Nos. drains tapped at Rispana River & 100% I&D works of Bindal river is completed and partially trial run 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). 22% work completed. Rest work is in progress." B. The polluting stretch Kalyani River (Kumaon), DPR is under preparation by UKPJM & 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 and 12.05.2023
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 May, 2023 is enclosed as Annexure-2. It is state that River Ganga (Haridwar to Sultanpur) (Priority-IV) is already achieved Class "B" water, therefore, may be de-listed from the polluted river stretches.
13.	Groundwater regulation	---

14.	Good irrigation practices being adopted by the State.	Treated waste water of 27 MLD & 68 MLD STP's at Jagjeetpur, Haridwar is already being re-used for irrigation through Canal system constructed for this purpose. A part from this micro irrigation practices such as sprinkler and drip irrigation 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 Pikhali). 4 stretches are non-Perennial hence no flood plain zoning is to be done. Out of remaining 5 stretches 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 June 2023															
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 April, 2023: - Out of 07-HEPs located in the main Ganga basin and having > 25 MW capacity, 6 HEPs are complying with e-flow norms, while e-flow of Srinagar HEP was below the prescribed norms. - 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 April, 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>3465.85</td></tr> <tr> <td></td><td>Total</td><td>12428.95</td></tr> </tbody> </table> 2. Plantations under 'Namami Ganga' Project utilizing CAMPA funds in various Ganga districts:	S. No.	Year	Plantations (ha)	1.	2020-21	5181.64	2.	2021-22	3781.46	3.	2022-23	3465.85		Total	12428.95
S. No.	Year	Plantations (ha)															
1.	2020-21	5181.64															
2.	2021-22	3781.46															
3.	2022-23	3465.85															
	Total	12428.95															

S. No.	Year	Plantations (ha)
1.	2022-23 (ASW)	1337.00
	Total	1337.00

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.	2021-22	Assisted Natural Regeneration	Ha	124
8.		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: An amount of Rs. 600.00 Lakh was proposed for treatment of 06 rivers of Uttarakhand identified as "critically polluted" in the decision of Hon. NGT in the matter of O.A. 673/2018 which was not approved in the sanction of Annual Plan Operation (APO) for 2022-23 given by National Authority vide its letter dated December

9th, 2022. Therefore, no progress under the scheme is reflected in the above table for 2022-23.

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
		Check Dams	Nos.	713

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
4.		Percolation Pits	Ha	50.00
5.		Maintenance, cleaning works etc.	Ha	5.00

* progress as per MIS dated 16.06.2023

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 is 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, 2001 (Amended time to time) 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 RBM Leases. Excavation of RBM 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 RBM. Excavation of RBM is done manually. The State Mining Policy and Rules does not permit use of machines i.e. JCB, Poclane etc. for excavation of River Bed Material. Thus excavation of RBM does not have any adverse affect on environment and ecology.

Further, as per the existing mining policy 2016 mining activities are not permitted during the Monsoon season from 30th June onwards up to 30th September. Also mining is prohibited from sunset to sunrise.

The State Government has constituted a District Mining Fund (DMF) and promulgated District Mining Foundation Rule-2017 which provides that 15% of the Royalty of RBM excavated shall be deposited in DMF Fund which shall be utilized in the mining affected areas. The DMF Fund so collected is utilized in high priority areas like environment protection and pollution control, drinking water supply and health care, and cleanliness etc. and other priority areas like improving the quality of environment. Thus the State Government is taking due care to safeguard the environment and ecology of the mining affected areas.

The State Government is committed to stop illegal mining, illegal storage and illegal transportation of mineral. In order to prevent illegal mining, illegal transportation and illegal storage, the State Government has formulated Uttarakhand Mineral (illegal mining, transportation and storage prevention) Rules, 2021 under section 23 C of Mines and Mineral Regulation and Development Act, 1957. In the Rule 14 (5) (ka) of the said rule, the provision has been made to impose a penalty on persons found guilty of illegal mining and illegal storage of mineral and also on the seized River Bed Illegal Material.

In the rule 14 (2) provisions have been made to penalize the vehicles involved in illegal transportation. In case of illegal transportation of mineral the following penalties shall be imposed:-

S. N.	Type of Vehicle	Penalty (in Rs.)	Percentage of Royalty to be imposed
1	04 wheeler Utility and Small vehicles	5,000	Market value of the quantity of illegal mineral loaded in the vehicle

		2	06 Wheeler Utility	7,500	Market value of the quantity of illegal mineral loaded in the vehicle
		3	02 wheeler Tractor Trolley	10,000	Market value of the quantity of illegal mineral loaded in the vehicle
		4	04 wheeler Tractor Trolley	15,000	Market value of the quantity of illegal mineral loaded in the vehicle
		5	06 wheeler Truck	30,000	Market value of the quantity of illegal mineral loaded in the vehicle
		6	More than 06 wheeler Truck, Dumper, Haiwa etc.	50,000	Market value of the quantity of illegal mineral loaded in the vehicle
		7	J.C.B	2,00,000	Illegal use without permission
		8	Pokland	4,00,000	Illegal use without permission
		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. To transport mineral from one place to another place a transit pass (rawana) is mandatory as per the relevant Rules. At every mine's entry and exit gate installation of CCTV camera and weigh bridges have been made compulsory. The State Government is also planning to inforce Drone Survellinace system which will include automated check posts and vehicle tracking system (GPS) on all the vehicles involved in transportation of minerals, so that the real time movement of vehicles can be track. In compliance the order passed on 16 march 2023 by Hon'ble High Court in WPIL 17/2023 "Ramesh Lal Vs State of Uttarakhand & ors", the District Anti Illegal Mining Force has been formed in each District. Thus the State Government is committed to ensure sustainable and scientific River Bed Mining in the State. In the Month of May 2023 a 242 Cases of illegal mining/illegal transportation/illegal storage and a total 1.705 crore has been recovered from them.			

		The enforcement work done to prevent illegal mining/illegal transportation/illegal storage in the last seven 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 May 2023	438	3.21
			Total	18,388	114.20
		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. 4.97 Crore from various defaulters / law violators as an environment compensation.			

SWM Data May, 2023 As per SBM MIS								
S. No.	DistrictName	ULB Code	ULBName	Total Wards	Wards with 100% D2D Collection	Wards with 100% Source segregation	Waste Generation MTPD	Waste Processed MTPD
1	ALMORA	800325	DWARHAT	4	4	4	0.52	0.52
2	ALMORA	800327	ALMORA	13	13	13	7.98	2.10
3	ALMORA	900246	RANKHET-CHILYANAULA	7	7	7	3.87	3.87
4	ALMORA	900248	BHIKYASAIN	4	4	4	2.00	2.00
5	ALMORA	900604	CHAWKHUTTYA	4	4	0	0.00	0.00
6	BAGESHWAR	800323	BAGESHWAR	11	11	11	7.50	3.50
7	BAGESHWAR	900038	KAPKOT	7	7	7	2.00	1.94
8	CHAMOLI GOPESHWAR	800290	BADRINATH	4	4	4	0.58	0.58
9	CHAMOLI GOPESHWAR	800291	JOSHIMATH	9	9	9	3.10	2.94
10	CHAMOLI GOPESHWAR	800292	CHAMOLI-GOPESHWAR	11	11	11	2.94	1.81
11	CHAMOLI GOPESHWAR	800293	NANDPRAYAG	4	4	4	0.48	0.48
12	CHAMOLI GOPESHWAR	800294	GAUCHAR	7	7	7	5.10	5.15
13	CHAMOLI GOPESHWAR	800295	KARNAPRAYAG	7	7	7	2.90	0.00
14	CHAMOLI GOPESHWAR	900032	GAIRSAIN	7	7	7	1.16	1.16
15	CHAMOLI GOPESHWAR	900033	POKHARI	7	7	7	2.00	2.00
16	CHAMOLI GOPESHWAR	900242	THARALI	4	4	4	0.77	0.26
17	CHAMOLI GOPESHWAR	900438	PIPALKOTI	4	4	4	0.48	0.36
18	CHAMPAWAT	800328	CHAMPAWAT	9	9	7	4.52	4.52
19	CHAMPAWAT	800329	LOHAGHAT	7	7	7	2.58	2.58
20	CHAMPAWAT	800330	TANAKPUR	11	11	5	3.16	0.00
21	CHAMPAWAT	900110	BANBASA	7	7	7	2.00	0.32
22	DEHRADUN	800305	VIKASNAGAR	11	11	11	7.89	7.89
23	DEHRADUN	800306	HERBERTPUR	9	9	9	4.35	0.18
24	DEHRADUN	800307	MUSSOORIE	13	13	13	17.00	17.00
25	DEHRADUN	800309	DEHRADUN	100	100	100	420.53	420.53
26	DEHRADUN	800312	DOIWALA	20	20	20	16.32	16.32
27	DEHRADUN	800313	RISHIKESH	40	40	40	83.50	83.50
28	DEHRADUN	900239	SELAQUI	9	9	0	10.32	10.32
29	HARDWAR	800353	ROORKEE (NN)	40	40	40	97.42	96.94
30	HARDWAR	800355	JHABRERA	9	9	9	7.10	0.00
31	HARDWAR	800356	MANGLAUR	20	20	20	0.00	21.16
32	HARDWAR	800357	LANDHAURA	9	9	9	6.77	0.00
33	HARDWAR	800359	HARDWAR	60	60	60	135.48	135.48
34	HARDWAR	800360	LAKSAR	11	11	11	10.00	10.00
35	HARDWAR	900109	SHIVALIK NAGAR	13	13	13	9.52	9.52
36	HARDWAR	900112	BHAGWANPUR	9	9	9	6.81	6.77
37	HARDWAR	900240	PIRAN KALIYAR	9	9	9	8.00	8.00
38	NAINITAL	800331	NAINITAL	15	15	15	12.81	12.81
39	NAINITAL	800333	BHOWALI	7	7	7	2.00	0.00
40	NAINITAL	800334	BHIMTAL	9	9	9	2.11	2.11
41	NAINITAL	800335	HALDWANI	60	60	49	0.00	0.00
42	NAINITAL	800336	RAMNAGAR U	20	20	20	13.60	6.06
43	NAINITAL	800337	KALADHUNGI	7	7	7	3.47	0.03
44	NAINITAL	800338	LALKUAN	7	7	7	0.38	0.38
45	PAURI GARHWAL	800315	SRINAGAR	13	13	13	12.00	7.61
46	PAURI GARHWAL	800316	PAURI	11	11	11	8.00	7.94
47	PAURI GARHWAL	800318	DOGADDA	4	4	4	0.68	0.68
48	PAURI GARHWAL	800319	KOTDWARA	40	40	40	54.00	54.00
49	PAURI GARHWAL	900036	SWARGASHRAM	4	4	4	3.23	0.65
50	PAURI GARHWAL	900114	SATPULI	4	4	4	1.33	1.90
51	PITHORAGARH	800320	DHARCHULA	7	7	7	3.74	0.74
52	PITHORAGARH	800321	DIDIHAT	7	7	7	3.06	0.00
53	PITHORAGARH	800322	PITHORAGARH	20	20	11	27.10	12.58
54	PITHORAGARH	900037	GANGOLIHAT	7	7	7	0.26	0.00
55	PITHORAGARH	900111	BERINAG	7	7	7	1.45	1.45
56	RUDRAPRAYAG	800296	KEDARNATH	1	1	1	0.00	0.00
57	RUDRAPRAYAG	800297	RUDRAPRAYAG	7	7	7	0.00	0.00

58	RUDRAPRAYAG	900034	UKHIMATH	4	4	4	0.07	0.06
59	RUDRAPRAYAG	900035	AUGUSTMUNI	7	7	7	1.52	1.00
60	RUDRAPRAYAG	900440	TILWARA	4	4	4	0.00	0.00
61	TEHRI	800298	KIRTINAGAR	4	4	4	0.58	1.13
62	TEHRI	800299	DEVAPRAYAG	4	4	4	1.03	0.26
63	TEHRI	800300	TEHRI	11	11	10	5.81	0.05
64	TEHRI	800301	CHAMBA U	9	9	9	3.52	3.52
65	TEHRI	800302	NARENDRANAGAR	7	7	7	1.26	1.26
66	TEHRI	800303	MUNI-KI-RETI	11	11	11	13.49	13.49
67	TEHRI	900113	GHANSALI	7	7	7	1.90	1.28
68	TEHRI	900243	LAMB GAON	4	4	4	1.61	1.23
69	TEHRI	900244	GAJA	4	4	4	0.96	0.98
70	TEHRI	900439	CHAMIYALA	7	7	7	1.94	0.00
71	UDHAMSINGH NAGAR	800339	KASHIPUR	40	40	25	49.35	48.60
72	UDHAMSINGH NAGAR	800340	MAHUA KHERAGANJ	9	9	0	3.16	3.16
73	UDHAMSINGH NAGAR	800341	MAHUADABRA	7	7	7	1.83	0.00
74	UDHAMSINGH NAGAR	800342	JASPUR	20	20	12	24.19	0.00
75	UDHAMSINGH NAGAR	800343	SULTANPUR_U	7	7	7	4.00	6.13
76	UDHAMSINGH NAGAR	800344	BAZPUR	13	13	13	10.16	5.89
77	UDHAMSINGH NAGAR	800345	KELA KHERA	9	9	9	4.35	0.32
78	UDHAMSINGH NAGAR	800346	RUDRAPUR	40	40	38	119.22	30.12
79	UDHAMSINGH NAGAR	800347	KICHHA	20	20	15	16.84	0.00
80	UDHAMSINGH NAGAR	800348	GADARPUR	11	11	11	8.00	8.00
81	UDHAMSINGH NAGAR	800349	DINESHPUR	9	9	9	4.52	4.52
82	UDHAMSINGH NAGAR	800350	SHAKTIGARH	7	7	7	1.20	0.84
83	UDHAMSINGH NAGAR	800351	SITARGANJ	13	13	13	19.00	3.87
84	UDHAMSINGH NAGAR	800352	KHATIMA	20	20	0	16.19	0.00
85	UDHAMSINGH NAGAR	900250	NANAKAMTTA	7	7	7	4.03	0.32
86	UDHAMSINGH NAGAR	900251	GULARBHOJ	7	7	7	2.30	2.04
87	UTTARKASHI	800287	BARKOT (NPP)	7	7	7	4.00	0.84
88	UTTARKASHI	800288	BARAHAT UTTARKASHI	11	11	11	0.00	0.00
89	UTTARKASHI	800289	GANGOTRIDHAM	4	4	4	0.01	0.01
90	UTTARKASHI	900030	PUROLA	7	7	7	2.42	3.32
91	UTTARKASHI	900031	CHIMYALISUR	7	7	7	2.48	0.00
92	UTTARKASHI	900241	NAUGAON	7	7	7	2.00	2.94
TOTAL				1152	1152	1051	1378.86	1133.81

The Surface Water Quality of 09 polluted river stretches for the month of May, 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	29.05.2023	US	Dhella Bridge, Kashipur, Bhelijudi	29°13'12" N 78°56'42" E	River was dry.								
		29.05.2023	DS	Gehruwala Village Pratappur	29°08'30" N 78°05'20" E	7.40	0.8	44	248	884	595	126	>1600	1600
2	Bhella	29.05.2023	US	Bahella Bridge, Kashipur	29°16'43" N 79°01'19" E	River was dry.								
		29.05.2023	DS	Bahella River rajpura tanda	29°07'45" N 78°59'03" E	7.30	1.40	32	220	614	406	55	1600	920
3	Kichha	30.05.2023	US	Main Road Kichha	28°57'43" N 79°32'17" E	7.50	7.2	2.8	16	385	260	18	>1600	1600
		30.05.2023	DS	Kichha Bridge	29°52'59" N 79°30'56" E	7.20	5.80	5.40	40	482	318	53	540	430
4	Suswa	08.05.2023	US	Mothrawala	30°13'59" N 78°01'48" E	7.12	1.6	32	108	601	399	-	>1600	>1600
		08.05.2023	DS	Barafutta	30°8'19.9" N 78°7'49.8" E	7.60	5.8	2.6	8	546	363	-	150	120
5	Kalyani	29.05.2023	US	Pantnagar Ind. Area Rudrapur	29°01'44" N 79°24'28" E	7.30	6.40	2.60	16	428	296	20	540	430
		29.05.2023	DS	Rampura ground Rudrapur	28°57'52" N 79°24'08" E	7.50	0.9	44	236	688	452	98	>1600	>1600
6	Kosi	29.05.2023	US	Bajpur bridge Sultanpur patti	28°09'32" N 79°02'19" E	7.40	6.6	3.0	28	520	334	26	>1600	1600
		29.05.2023	DS	Bypass bridge pattikalan	29°04'31" N 79°02'24" E	7.30	6.4	3.2	32	512	346	32	>1600	>1600
7	Pilakhar	29.05.2023	US	Bajpur	29°10'21" N 79°08'44" E	7.30	5.0	3.4	24	374	239	25	540	430
		29.05.2023	DS	Rampur (U.P.)	29°12'12" N 78°58'42" E	7.50	2.80	8.0	84	765	518	30	540	430
8	Nandhour	30.05.2023	US	Sitarganj	29°04'36" N 79°41'36" E	River was dry.								
		30.05.2023	DS	Nandhor Bridge, Sitarganj	28°55'149" N 79°44'38" E	7.40	7.0	3	28	328	225	18	>1600	>1600
9	Ganga	11.05.2023	US	Bindughat Dudhiyaban	29.970608°N- 78.183854°E	7.88	8.8	1.8	7	300	192	-	79	32
		12.05.2023	DS	Sultanpur	29.699043°N -78.166559°E	7.98	9.2	1.8	8	303	194	-	70	20

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	May-23	Minimum 15% of Average Lean Season flow	-	-	-	Data is not submit by the developoper for the month of May 2023 till date.
2	Tanakpur	120	Champawat	NHPC	May-23		164.00	25.00	15.24%	
3	Dakpathar Barrage (Dhalipur + Dhakrani)	(51 + 33.75)	Dehradun	UJVNL	May-23		67.71	134.68	198.91%	
4	Kulhal	0	Dehradun	UJVNL	May-23		13.03	2.27	17.43%	
5	Ichadi Dam (Chibro + Khodri)	(240 + 120)	Dehradun	UJVNL	May-23		72.46	11.33	15.64%	

* 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 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
(May 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	Vishumprayag HEP	400	Chamoli	J.P venture	Lean	May-23	4.15	23.55	4.16	17.66%	
2	Srinagar HEP	330	Pauri Garhwal	GVK	Lean	May-23	44.78	185.41	14.14	7.63%	
3	Singoli Bhatwari HEP	99	Rudraprayag	L&T	Lean	May-23	6.43	31.38	8.06	25.69%	
4	(Tehri Dam + Koteshwar Dam)	(1000 + 400)	Tehri	THDCIL	Lean	May-23	20.87	110.79	198.52	179.19%	
5	Tiloth Power Station (Maneri Dam)	3 x 30 = 90	Uttarkashi	UIVNL	Lean	May-23	12.47	65.67	16.43	25.02%	
6	Dharasu Power Station (Joshiyara Barrage)	4 x 76 = 304	Uttarkashi	UIVNL	Lean	May-23	14.05	55.80	13.98	25.05%	
7	Chilla Power Station	4 x 36 = 144	Pauri Garhwal	UIVNL	Lean	May-23	135.38	488.14	156.39	32.04%	

* 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 Small Hydro projects (<25 MW)
situated in the river/tributary Ganga & other river basin in the State of Uttarakhand
(May 2023)

Annexure - 3K2

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	Lohardhet	4.8	Bageshwar	Parvatiya Power	May-23	Minimum 15% of Average Lean Season flow	1.47	0.22	15.03%	
2	Gangani	8	Uttarkashi	Regency Gangani Energy	May-23		5.10	2.14	41.96%	
3	Bachyar	4.9	Uttarkashi	Regency Yamuna Energy	May-23		1.30	0.38	29.23%	
4	Sarju-II	0	Bageshwar	Uttar Bharat Hydro	May-23		2.01	0.31	15.42%	
5	Sarju-III	10.5	Bageshwar	Uttar Bharat Hydro	May-23		4.06	0.63	15.52%	
6	Motighat	5	Pithoragarh	Himalya Hydro (P) Ltd.	May-23		3.04	0.55	18.09%	
7	Tanga	5	Pithoragarh	Himalya Hydro (P) Ltd.	May-23		3.04	0.55	18.09%	
8	Galogi SHP	3.5 MW	Dehradun	UJVNL	May-23		0.26	0.05	19.23%	
9	Ram Prasad Nautiyal, Duma SHP	1.5 MW	Pauri Garhwal	UJVNL	May-23		1.35	0.19	14.07%	
10	Rajwakti	3.6	Chamoli	Him Urja	May-23		8.57	2.89	33.72%	
11	Vanala	15	Chamoli	Him Urja	May-23		7.32	1.85	25.27%	
12	Debal	5	Chamoli	Chamoli Hydro	May-23		2.50	1.42	56.80%	
13	Agunda Thaci	3	Tehri	Gunsola Hydro	May-23		4.34	0.65	15.07%	
14	Bhilangana	22.5	Tehri	Swasti Power	May-23		14.64	4.72	32.24%	
15	Bhilangana- III	24	Tehri	Bhilangna Hydro Power	May-23		11.01	3.14	28.52%	
16	Birahiganga	7.2	Chamoli	Birahiganga Hydro Power	May-23		2.70	0.51	18.89%	
17	Pilangad SHP	2.25	Uttarkashi	UJVNL	May-23		3.81	1.81	47.51%	
18	Urgam SHP	3	Chamoli	UJVNL	May-23		2.11	1.59	75.36%	
19	Kaliganga -I SHP	4	Rudraprayag	UJVNL	May-23		3.02	0.86	28.48%	
19	Kaliganga -II SHP	4.5	Rudraprayag	UJVNL	May-23		5.03	1.65	27.36%	

* 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.