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Environment



HEAD OFFICE
Uttarakhand Pollution Control Board
"Gaura Devi Paryavaran Bhawan"
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Ref : UKPCB/HO/Gen-476(Vol-III)/2023/169

Dehradun, April 27, 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 Dhyani Chand National Stadium
India Gate, New Delhi-110002.

Sub.: Monthly Progress Report of March, 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 March, 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), 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.

March, 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	57 Nos.		
No. of Non-Operational STPs	10 Nos. (i) 0.075 MLD STP near Anoop Negi School, Rudraprayag. (ii) 10 MLD capacity Rusi Pond at Nainital. (iii) 0.050 MLD STP Near old Suspension Bridge ,Chamoli. (iv) 1.120 MLD STP at Baitarni, Gopeshwar. (v) 0.100 MLD STP at Forest Office, Nandprayag (vi) 0.050 MLD STP at Beleni Road, Near Steel Bridge, (vii) 1 MLD STP Gangotri, Uttarkashi (Due to Seasonal Closure) (viii) 0.26 MLD STP near Bamani Gaon, Badrinath (Due to Seasonal Closure)		

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	(ix) 0.010 MLD STP near Temple at Badrinath (Due to Seasonal Closure) (x) 1 MLD STP near Suspension Bridge, Badrinath (Due to Seasonal Closure)						
No. of Complying STP's (Out of 59 Operational STPs monitored in the month of March, 2023)	- As per standards notified by MoEF& CC: 53 - As per standards prescribed by the Hon'ble NGT order dated 30.04.2019: 36.						
No. of Non-complying STP's (Out of 59 Operational STPs monitored in the month of March, 2023)	- As per standards notified by MoEF&CC: 04 - As per standards prescribed by the Hon'ble NGT order dated 30.04.2019: 21						
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 March, 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	Non-Operational	Monitoring could not be done due to seasonal closure	
2.	Badrinath (Near Temple) Distt.- Chamoli	0.01	0.005	Non-Operational	Monitoring could not be done due to seasonal closure	
3.	Badrinath (Near suspension Bridge) Distt. Chamoli	1.00	0.200	Non-Operational	Monitoring could not be done due to seasonal closure	
4.	Joshimath (Pokhri) Distt.-Chamoli	1.08	0.421	Operational	Complying	Complying
5.	Gopeshwar (Chamoli Ghat) Distt.-Chamoli	0.76	0.05	Operational	Complying	Non - Complying
6.	Gopeshwar (Near Suspension bridge) Distt. Chamoli	0.05	0.010	Non - Operational	STP found non-operational during inspection as the plant was under maintenance.	

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7.	Gopeshwar (Vivekanand Colony) Distt.-Chamoli	1.19	0.50	Operational	Complying	Non - Complying
8.	Gopeshwar (DeenDayalUpa dhayay Park), Baiterni, Distt.- Chamoli	1.12	0.075	Non - Operational	STP found non-operational during inspection since plant was under maintenance.	
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	Non - Complying
11.	Nandprayag (Forest office) Distt.-Chamoli	0.10	0.09	Non - Operational	STP found non-operation during inspection due to electricity failure.	
12.	Karanprayag (Police chowki) Distt.-Chamoli	0.05	0.05	Operational	Complying	Complying
13.	Karanprayag (Purana pull) Distt.-Chamoli	0.10	0.08	Operational	Complying	Complying
14.	Karanprayag (Ward no. 1&3) Distt.-Chamoli	0.10	0.035	Operational	Complying	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	Complying	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	Complying
19.	Rudraprayag (Near Bus Stand) Distt.- Rudraprayag	0.075	0.075	Operational	Complying	Complying

20.	Rudraprayag (Near SBI &Masjid), Distt- Rudraprayag	0.10	0.090	Operational	Complying	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	Non - Operational	STP found non-operation during inspection.	
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	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	Non-Complying	Non-Complying
29.	Shanti bazar, Devprayag, Distt.-Tehri	0.075	0.04	Operational	Complying	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	Complying
32.	Gyansu, Uttarkashi Distt.-Uttarkashi	2.00	1.783	Operational	Non-Complying	Non-Complying
33.	Gangotri, Uttarkashi Distt.-Uttarkashi	1.00	0.20	Non - Operational	Monitoring could not be done due to seasonal closure	
34.	Nursery Road, Srinagar Distt.-Pauri	3.50	1.50	Operational	Complying	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	Complying	Complying
37.	Near Junior High School, Srikot, Srinagar Distt. - Pauri	0.075	0.070	Operational	Complying	Complying
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	Non-Complying
41.	Jagjeetpur, Haridwar Distt. - Haridwar	18.00	18.00	Operational	Complying	Non-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	Complying
47.	Motharawala-II, Dehradun Distt. - Dehradun	20.00	11.00	Operational	Complying	Non-Complying
48.	Kargi, Dehradun Distt. - Dehradun	68.00	13.00	Operational	Complying	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	Non - Complying
52.	Jakhan, Dehradun	1.00	0.14	Operational	Complying	Complying

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	Distt.-Dehradun					
53.	Bhattafall, Mussoorie Distt.-Dehradun	3.12	0.80	Operational	Complying	Complying
54.	Happy Valley, Mussoorie Distt.-Dehradun	1.20	0.20	Operational	Complying	Complying
55.	Landour, South, Mussoorie Distt.-Dehradun	1.30	0.10	Operational	Complying	Complying
56.	Landour, North, Mussoorie Distt.-Dehradun	0.80	0.035	Operational	Complying	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	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	-	-	-	-
69.	Haldwani	28.00	-	-	-	-



	(Indira Nagar) Distt. -Nainital				
	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	78%	Sewer lines already laid in 13 th Finance Programme.	June-2023
2.	Kashipur Distt. -US Nagar	18.00	88%	-	June, 2023
3.	Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Dhella)	10.00	45%	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	BEP under preparation		DOC-06.01.2024
6.	Jaspur Khurd, Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Bhella)	1.00	27%	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	BEP under preparation.		DOC-06.01.2024
9.	Bazpur Distt. U.S. Nagar (Proposed under River Rejuvenation of Pilakhar)	10.00	10% (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 under preparation.		DOC-06.01.2024
11.	Sitarganj Distt. U.S. Nagar	3.00	BEP under preparation.		DOC-06.01.2024

	(Proposed under River Rejuvenation of Nandhour)			
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. (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.	Mussoorie Distt. Dehradun	0.70	Work awarded. BEP / Structural drawing under preparation.	DOC 29-07-2024
17.	Mussoorie Distt. Dehradun	1.10		
18.	Mussoorie Distt. Dehradun	0.70		
19.	Mussoorie Distt. Dehradun	0.70		
20.	Mussoorie Distt. Dehradun	0.05		
	Total	118.55		

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 KfW	
5	Muni ki Reti, Rishikesh Distt. Tehri	5	Approved during September, 2022 by NMCG. Tendering under progress.	
6	Swargashram, Rishikesh Distt. Pauri	3		
7	Neelkanth, Rishikesh Distt. Pauri	1.50		
8	Haldwani Distt. Nainital	10.5	DPR under Preparation (ADB funded project).	

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
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	Vukasnagar, Dehradun Septage Co-Treatment Plant	0.01	DPR under Preparation (ADB funded project).	
	Total	40.90		

- 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:

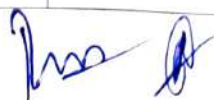
No. of industries in the State	11063 5994- Industrial Operation 5069-Non-Industrial Operation
No. of water polluting industries in the State	1001
Quantity of effluent generated from the industries in MLD	96 MLD
Quantity of Hazardous Waste generated from the industries	22586.24 Tonnes (Year 2021-22)
Number of industrial units having ETPs	1001
Number of industrial units connected to CETPs	1101
Number and total capacity of ETPs (details of existing/ under construction/proposed)	120.35 MLD
Compliance status of the ETPs	All are complying

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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:

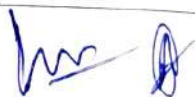
Industrial Estate	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
IIE, Ranipur, Haridwar	531	4.5 MLD	All 530 units are connected to CETP. (01 industry M/s Hero Motocorp has its own ETP)	Capacity - 5.2 MLD). Operational and Complying
IIE, 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). - Rest 24 units are proposed to be connected by 31.12.2022. However, all these units are having their own treatment system, as per requirement.	CETP of 4 MLD capacity is operational and complying with norms. 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 being 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. 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	1562.68 MTPD
Current Municipal Solid Waste Processed	1271.35 MTPD
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	ULB wise details in enclosed as Annexure-1. - 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),



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	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- 70 Nos. (Operational). The total capacity of Plastic Compactor in ULBs is 315 Tonnes per day. ▪ Revenue generated from the plastic compactors is Rs. 400.484 Lacs till March 2022 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) –427.87 TPD Daily Waste Process (Average)- 427.87 TPD (100%). Haridwar: Plant Installed Capacity- 150 TPD (8hr running capacity) Daily Solid Waste Collected – 125 TPD Daily Waste Processed- 125 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>Total DPRs</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><tr><td>DPRs approved & funds have been disbursed to ULBs</td><td>55</td><td>73</td><td>19 Plants covering 20 ULBs is to be</td></tr></table>	Current Status	Total DPRs	No. of ULBs	Timeline	DPR Approved & Plant Functional	05	09	Plant Functional	DPRs approved & funds have been disbursed to ULBs	55	73	19 Plants covering 20 ULBs is to be
Current Status	Total DPRs	No. of ULBs	Timeline										
DPR Approved & Plant Functional	05	09	Plant Functional										
DPRs approved & funds have been disbursed to ULBs	55	73	19 Plants covering 20 ULBs is to be										

			made functional by April' 2023.
DPRs sent to MoHUA, Gol for approval after getting approved at GoUK. (Shivalik Nagar, Chaukhutiya)	02	02	Subjected to approval & funds disbursement from MoHUA, Gol.
DPR, Approved by Gol, 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	--
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:** Dehradun (5), Haldwani – Rudarpur ISWM Cluster (8), Rishikesh (5), Srinagar(1), Joshimath(1) & Haridwar(1) i.e. 21 ULBs.
- **Total 21 ULBs have obtained Environmental Clearance.**
- **Applied For EC:** Kotdwar, Tehri-Chamba, Chamoli, Pauri, Roorkee(5), Sitarganj, Mahuakhedaganj & Dineshpur i.e. 15 ULBs and have increased from 08 ULBs to 15 ULBs in month of April'23.
- **EC Rejected:** Almora & Ramnagar
- **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.

No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills	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. Sanitary Land Fill: 02 Scientific Sanitary Landfills (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. Legacy Waste/ Old Dump Site: - Currently 64 ULBs have reported that legacy waste has been remediated/ removed/ processed. - Kotdwar, Ghansali, Munikireti, Gauchar have remediated 100 % of legacy waste. - Cumulatively till date approximately 2.2 lakh Tonns of legacy waste has been remediated. For remaining 28 Legacy Waste Dumpsites current status is given bellow: <i>Total legacy waste estimated at 28 locations are approximately 18.76 lacs MT.</i> <i>For 6 ULBs / 7 Sites namely, Nagar Nigam Dehradun, Haridwar, Roorkee, Kashipur, Rishikesh, Haldwani, total legacy waste quantity 15.56 lakh MT (including Kotdwar, where 100 % waste remediation has been done) costing Rs.80.88 Cr.</i> (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) - Remediation work initiated at 2 sites- (Kashipur & Rishikesh) sources from 2 ULBs out of above mentioned 8 dumpsites). - 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. <i>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.</i> - In 8 ULBs waste is being remediated by ULBs (Rudrapur, Karnprayag, Uttarkashi, Barkot, Mussoorie, Pithoragarh, Chamba & Joshimath). - DPR of 4 ULBs i.e. <i>Srinagar, Sitarganj, Bazpur & Almora has been approved by GoUk,</i>
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	▪ <i>DPRs of 5 ULBs Manglaur, Ramnagar, Pirankaliyar, Duggada and Khalima has been prepared & at different stages of evaluation (in the process of technical approval at Distt Level).</i> ▪ <i>Remaining 05 ULBs have measured the waste quantity & are in process of DPR preparation. (Chamba, Gangolihat, Jhabreda, Berinag & Landhaura).</i>
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.
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 73 ULBs (9 Clusters serving 35 ULBs and 38 ULBs procured individually)
- Land identified on rent basis: 3 ULBs land on rent (Nathuvawala Model: Ward No. 100 Dehradun).
- 01 Cluster covering 2 ULBs have identified forest land and in process of approval.
- 11 ULBs individually identified forest land and in process of approval.
- 03 ULBs have identified revenue land are in process of approval, (73+3+2+11+3=92).

Recently for 02 ULBs (Champawat & Gairsain) revenue land has been transferred by respective DMs for construction of SWM Plant as per approved DPR (Progress form Aug 2022).

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.

7. PLASTIC WASTE MANAGEMENT:

Total Plastic Waste generation	58128 MTPA (From 92 ULBs)
Treatment/Measures adopted for reduction or management of plastic waste	70 Nos. Plastic Compactors are functional on cluster basis to cater 91 ULBs. Rs. 154.68 Lakhs has been released by the UKPCB for this purpose. - Revenue generated from the plastic compactors is Rs. 400.484 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 - 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 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 Mehdoos 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 complete and trial run has started 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, Pilkhari 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 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 and 10.01.2023
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 November, 2022 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 March, 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 March, 2022 is enclosed as Annexure 3(A), 3(B) & 3(C).

18. Plantation activities along the rivers.

1. Plantations in Catchments of Ganga & its Tributaries under various schemes of CAMPA in Uttarakhand:

S. No.	Year	Plantations (ha)
1.	2020-21	5181.64
2.	2021-22	3781.46
3.	2022-23	3347.85
	Total	12310.95

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

S. No.	Year	Plantations (ha)
1.	2022-23 (ASW)	414.00
	Total	414.00

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.		Plantation	Nos.	60000
4.		Contour Trenches	Nos.	83376
5.	2020-21	Recharge Ponds	Nos.	1999
6.		Percolation Tanks	Nos.	530
7.		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.	2021-22	Water Bodies (50 KL)	Nos.	10
13.		Water Harvesting Tanks	Nos.	53
14.		Check Dams	Nos.	81
15.		Contour Trenches	Nos.	25166

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4. Work under Hon. NGT order in OA 673/2018 (Treatment of critically polluted river stretches (namely Bhella, Dhella, Suswa, Pilakhar, Nandhour and Kalyani rivers):

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	88
		Check Dams	Nos.	305

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.	71
3.		Contour Trenches	Ha	5.00
4.		Percolation Pits	Ha	44.00

*progress as per MIS dated 19.04.2023

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.	The State Government is committed to stop illegal mining, illegal storage and illegal transportation of River Bed Material (RBM) within the State. Mining leases in the river beds are sanctioned on the recommendations of the District Level Committee comprising of officials from the Revenue, Forest, Irrigation and Mining Departments, as per the State Mining Policy and Rules only after obtaining Environment Clearance under EIA Notification 2006. It is compulsory to obtain Consent to Establish and Operate from State Pollution Control Board before commencing the excavation of RBM. Excavation of RBM is carried out as per approved mining plan and the Sustainable Sand Mining Guidelines-2016 of Ministry of Environment, Forests and Climate Change, Government of India within the demarcated area up to a depth of 03 meter or ground level whichever is less. The State Mining Policy and Rules does not permit use of machines i.e. JCB, Poclane etc. for excavation of RBM. Transportation of Mineral is carried out on E-Transit Pass. At every Entry and Exit gate of mining sites computerized weigh bridges and CCTV camera are made compulsory. Permits for operations of Brick Kilns are granted by the District Magistrates. As per the Rule-3 of Uttarakhand Minor Mineral (concession) Rules, 2001 for excavation of Brick earth up to a depth of 2 meter no environment clearance is required but beyond 2 meter prior environment clearance is required. National Green Tribunal in OA No. 469 of 2015 passed an order dated 15-10-2015 which stated that "in meanwhile, there shall be no excavation of earth for the purpose of Brick Kiln without obtaining environment clearance". The State Government vide letter no 1913/VII-I/69-writ/2013 dated 22-12-2013 directed the District Magistrates to comply the said order of the NGT. State Government, under section 23 C of Mines and Mineral Regulation and Development Act, 1957, has formulated Uttarakhand Mineral (illegal mining, transportation and storage prevention) Rules, 2021.

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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

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 illegal River Bed Material, a penalty equal to two times of royalty on the quantity of 01 ton to 25,000 ton, three times of royalty on the quantity of 25,000-50,000 ton, four time of royalty on the quantity of 50,000-1.00 lakh tons and five times of royalty on the quantity of more than 01 lakh tons, can be imposed.

At District level an Anti Mining Cell comprising of officials from Revenue Department, Mining Department, Forest Department and Police Department is constituted for

	checking illegal mining, illegal storage and illegal transportation. District Mines Officer frequently makes surprised visit to the mining sites and takes actions against the mine owners as per the Rules, if they are found violating the conditions of the mining leases. In the Month of March 2023 a 189 Cases of illegal mining/illegal transportation/illegal storage and a total 2.02 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:- <table><tr><th>S. N.</th><th>Financial Year</th><th>Illegal mining/ storage/ transportation cases</th><th>Penalty Recovered (In Rs. Crore)</th></tr><tr><td>1.</td><td>2015-2016</td><td>1324</td><td>12.27</td></tr><tr><td>2.</td><td>2016-2017</td><td>1424</td><td>4.41</td></tr><tr><td>3.</td><td>2017-2018</td><td>3231</td><td>9.44</td></tr><tr><td>4.</td><td>2018-2019</td><td>2649</td><td>26.99</td></tr><tr><td>5.</td><td>2019-2020</td><td>2502</td><td>9.62</td></tr><tr><td>6.</td><td>2020-2021</td><td>2752</td><td>18.05</td></tr><tr><td>7.</td><td>2021-2022</td><td>1818</td><td>13.17</td></tr><tr><td>8.</td><td>2022-23 (Up to March. 2023)</td><td>2250</td><td>17.04</td></tr><tr><td></td><td>Total</td><td>17,950</td><td>110.99</td></tr></table> Thus, the State Government is committed to stop illegal mining, illegal storage and illegal transportation of mineral in the State.	S. N.	Financial Year	Illegal mining/ storage/ transportation cases	Penalty Recovered (In Rs. Crore)	1.	2015-2016	1324	12.27	2.	2016-2017	1424	4.41	3.	2017-2018	3231	9.44	4.	2018-2019	2649	26.99	5.	2019-2020	2502	9.62	6.	2020-2021	2752	18.05	7.	2021-2022	1818	13.17	8.	2022-23 (Up to March. 2023)	2250	17.04		Total	17,950	110.99
S. N.	Financial Year	Illegal mining/ storage/ transportation cases	Penalty Recovered (In Rs. Crore)																																						
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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 (Up to March. 2023)	2250	17.04																																						
	Total	17,950	110.99																																						
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.2.63 Crore from various defaulters / law violators as an environment compensation.																																							



SWM Data_March2023

istrictName	ULB Code	ULBName	Total Wards	Generation (MTPD)
ALMORA	800325	DWARHAT	4	0.45
	800327	ALMORA	13	7.77
	900246	RANIKHET-CHILIYANAULA	7	3.87
	900248	BHIKYASAIN	4	2.00
	900604	CHAWKHUTIYA	4	1.00
BAGESHWAR	800323	BAGESHWAR	11	7.50
	900038	KAPKOT	7	2.00
CHAMOLI GOPESHWAR	800290	BADRINATH	4	0.00
	800291	JOSHIMATH	9	3.10
	800292	CHAMOLI-GOPESHWAR	11	3.71
	800293	NANDPRAYAG	4	0.50
	800294	GAUCHAR	7	4.90
	800295	KARNAPRAYAG	7	2.90
	900032	GAIRSAIN	7	1.16
	900033	POKHARI	7	2.00
	900242	THARALI	4	0.77
	900438	PIPALKOTI	4	0.48
CHAMPAWAT	800328	CHAMPAWAT	9	4.52
	800329	LOHAGHAT	7	2.58
	800330	TANAKPUR	11	3.00
	900110	BANBASA	7	2.00
DEHRADUN	800305	VIKASNAGAR	11	7.88
	800306	HERBERTPUR	9	4.35
	800307	MUSSOORIE	13	14.96
	800309	DEHRADUN	100	427.88
	800312	DOIWALA	20	16.73
	800313	RISHIKESH	40	83.04
	900239	SELAQUI (CENTRAL HOPETOWN)	9	12.71
HARDWAR	800353	ROORKEE (NN)	40	101.23
	800355	JHABRERA	9	9.19
	800356	MANGLAUR	20	21.71
	800357	LANDHAURA	9	6.77
	800359	HARDWAR	60	125.00
	800360	LAKSAR	11	8.00
	900109	SHIVALIK NAGAR	13	9.48
	900112	BHAGWANPUR	9	6.00
	900240	PIRAN KALIYAR	9	7.00
NAINITAL	800331	NAINITAL	15	12.83
	800333	BHOWALI	7	2.00
	800334	BHIMTAL	9	2.12
	800335	HALDWANI	60	126.13
	800336	RAMNAGAR_U	20	13.65
	800337	KALADHUNGI	7	3.31
	800338	LALKUAN	7	0.38
PAURI GARHWAL	800315	SRINAGAR	13	10.00
	800316	PAURI	11	7.74
	800318	DOGADDA	4	0.48
	800319	KOTDWARA	40	45.00
	900036	SWARGASHRAM	4	3.71
	900114	SATPULI	4	1.44
PITHORAGARH	800320	DHARCHULA	7	3.75
	800321	DIDIHAT	7	3.10
	800322	PITHORAGARH	20	27.10
	900037	GANGOLIHAT	7	0.32
	900111	BERINAG	7	1.45
RUDRAPRAYAG	800296	KEDARNATH	1	0.00
	800297	RUDRAPRAYAG	7	3.20
	900034	UKHIMATH	4	0.11
	900035	AUGUSTMUNI	7	1.06
	900440	TILWARA	4	0.58

DistrictName	ULB Code	ULBName	Total Wards	Generation (MTPD)
TEHRI	800298	KIRTINAGAR	4	0.58
	800299	DEVAPRAYAG	4	1.13
	800300	TEHRI	11	5.81
	800301	CHAMBA_U	9	3.71
	800302	NARENDRANAGAR	7	1.22
	800303	MUNI-KI-RETI	11	14.31
	900113	GHANSALI	7	1.90
	900243	LAMB GAON	4	1.29
	900244	GAJA	4	0.96
	900439	CHAMIYALA	7	1.94
US NAGAR	800339	KASHIPUR	40	47.03
	800340	MAHUA KHERAGANI	9	3.09
	800341	MAHUADABRA	7	2.42
	800342	JASPUR	20	25.55
	800343	SULTANPUR_U	7	4.00
	800344	BAZPUR	13	10.16
	800345	KELA KHERA	9	4.35
	800346	RUDRAPUR	40	154.87
	800347	KICHHA	20	16.52
	800348	GADARPUR	11	7.50
	800349	DINESHPUR	9	4.10
	800350	SHAKTIGARH	7	1.20
	800351	SITARGANJ	13	19.00
	800352	KHATIMA	20	15.65
	900250	NANAKAMTTA	7	4.03
	900251	GULARBHOJ	7	2.33
UTTARKASHI	800287	BARKOT (NPP)	7	3.48
	800288	BARAHAT UTTARKASHI	11	10.00
	800289	GANGOTRIDHAM	4	0.00
	900030	PUROLA	7	2.42
	900031	CHIMYALISUR	7	2.50
	900241	NAUGAON	7	2.00
			1152	1562.685194

The Surface Water Quality of 09 polluted river stretches for the month of March, 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	16.03.2023	US	Dhella Bridge, Kashipur, Bhetljudi	29°13'12"N 78°56'42"E	7.9	7.5	2.8	20	348	235	18	1600	920
		16.03.2023	DS	Gehrwal Village Patappur	29°08'30"N 78°05'20"E	7.5	1.1	38	272	872	585	96	>1600	1600
2	Bhella	16.03.2023	US	Babella Bridge, Kashipur	29°16'43"N 79°01'19"E	7.5	7.4	2.8	16	316	208	15	920	540
		16.03.2023	DS	Babella River raipura tанда Main Road Kichha	29°07'45"N 78°59'03"E	6.8	1.4	30	240	715	466	58	1600	920
3	Kichha	15.03.2023	US	Kichha Bridge	28°57'43"N 79°32'17"E	7.5	7.3	2.8	16	435	292	20	1600	920
		15.03.2023	DS	Mothrawala	29°52'59"N 79°30'56"E	7.4	5.8	7.8	56	672	464	42	540	430
4	Suswa	09.03.2023	US	Barafutta	30°13'59"N 78°01'48"E	7.83	2.6	26	98	484	319	-	17000	14000
		09.03.2023	DS	Parinagar Ind. Area Rudrapur	30°8'19.9"N 78°7'49.8"E	7.60	6.6	1.8	6.4	449	298	-	170	130
5	Kalyani	15.03.2023	US	Rampura ground Rudrapur	29°01'44"N 79°24'28"E	7.50	6.9	2.8	16	482	321	16	1600	920
		15.03.2023	DS	Bajpur bridge Sultapur pati	28°57'52"N 79°02'19"E	7.5	1.2	35	240	598	395	108	>1600	>1600
6	Kosi	16.03.2023	DS	Bypass bridge patikalan	28°09'32"N 79°24'08"E	7.5	7.2	3.0	20	472	322	22	920	540
		16.03.2023	US	Bajpur	29°10'21"N 79°08'44"E	7.5	5.0	3.6	24	242	165	24	1600	540
7	Pitakhar	16.03.2023	DS	Rampur (U.P.)	29°12'12"N 78°58'42"E	7.3	2.90	10.0	88	918	595	44	430	350
		15.03.2023	US	Sitarganj	29°04'36"N 79°41'36"E	River was Dry								
8	Nandhour	15.03.2023	DS	Nandhor Bridge, Sitarganj	28°55'149"N 79°44'38"E	7.40	8.2	2.7	24	336	242	16	>1600	1600
		04.03.2023	US	Bindughat Dudhivaban	29.970608°N-78.183854°E	7.56	8.8	1.2	6	219	140	-	84	34
9	Ganga	03.03.2023	DS	Sultapur	29.699043°N -78.166559°E	7.69	8.9	2.4	12	274	175	-	120	63

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 (March 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	Mar-23	Minimum 15% of Average Lean Season flow	4.00	4.20	105.00%	
2	Tanakpur	120	Champanwari	NHPC	Mar-23		164.00	25.00	15.24%	
3	Dakpathar Barrage (Dhaipur - Dhakrari)	(51 + 33.75)	Dehradun	UJVNL	Mar-23		67.71	10.17	15.02%	
4	Kulhai	30	Dehradun	UJVNL	Mar-23		13.03	2.27	17.42%	
5	Ichadi Dam (Ichai - Kharoli)	(240 + 120)	Dehradun	UJVNL	Mar-23		72.46	11.57	15.98%	

* As per the 1st annual Green Tribunal (G.T.) order dated 09.08.2017 in Original Application no. 498 of 2015 (M/A No. 628/2016) Pushp Singh Vs MoEF&CC, Govt. and others. (Coverage of Uttarakhand Visc order dated 07.06.2018 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)

17.03.2024 - 2.0

Status of release of E-Flow as per MoW.R. 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
(March 2023)

S.No.	Name of Hydro Power Project	Capacity (MW)	District	Developer	Season	Months	Average E-flow Mediated (cumecs)	Compliance of e-flow notification				Remark
								Average River Discharge (Cumecs)	E-Flow Released (Cumecs)	% of E-Flow released		
1	Vishnuprayag HEP	400	Chamoli	J P venture	Dry	Mar-23	191	960	192	19.94%		
2	Strinagar HEP	330	Pauri Garhwal	GVK	Dry	Mar-23	1762	9984	1308	13.10%		
3	Singoli Bhawan HEP	99	Rudrapur	L&T	Dry	Mar-23	272	1441	336	23.28%		
4	Tether Dam - Koteshwar Dam	(1000 + 400)	Tehri	THDCIL	Dry	Mar-23	1004	5363	20948	390.92%		
5	Tiloth Power Station (Maier Dam)	3 x 50 = 90	Uttarakashi	UJVNL	Dry	Mar-23	585	2963	583	19.58%		
6	Dhruvas Power Station (Doshwara Barrage)	4 x 76 = 304	Uttarakashi	UJVNL	Dry	Mar-23	633	2886	636	22.04%		
-	Trilla Power Station	4 x 36 = 144	Pauri Garhwal	UJVNL	Dry	Mar-23	630	37487	2076	21.28%		

* As per MoW.R. RD&GR order dated 09.10.2018 20%, 25% and 30% of monthly average flow observed during each of preceding 10-day period

Annexure-2(B)

Status of release of E-Flow as per NCI order dated 09/08/2017 from the Small Hydro projects (<25 MW) situated in the river/tributaries Ganga & other river basin in the State of Uttarakhand (March 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	Laba-khet	4.8	Bageshwar	Parvata Power	Mar-23	Minimum 19% of Average Lean Season Flow	1.47	0.22	15.17%	
2	Gangam	8	Uttarakshi	Regency Gangam Energy	Mar-23		5.10	0.95	18.63%	
3	Bachai	4.9	Uttarakshi	Regency Yamuna Energy	Mar-23		1.30	0.30	23.08%	
4	Saru-II	15	Bageshwar	Uttar Bharat Hydro	Mar-23		2.01	0.31	15.42%	
5	Saru-III	10.5	Bageshwar	Uttar Bharat Hydro	Mar-23		4.06	0.63	15.52%	
6	Mesgar	5	Pithoragarh	Himacha Hydro (P) Ltd	Mar-23		3.04	0.52	17.11%	
7	Tariga	5	Pithoragarh	Himacha Hydro (P) Ltd	Mar-23		3.04	0.52	17.11%	
8	Gadga SHP	3.5 MW	Dehradun	UJVNL	Mar-23		0.27	0.05	18.52%	
9	Ram Prasad Narain Lal Dutt SHP	1.5 MW	Pauri Garhwal	UJVNL	Mar-23		1.18	0.20	16.95%	
10	Ra-waler	3.6	Chamoli	Him Lupa	Mar-23		0.72	0.64	84.17%	
11	Vandla	1.8	Chamoli	Him Lupa	Mar-23		5.52	2.76	50.00%	
12	Dabul	8	Chamoli	Chamoli Hydro	Mar-23		2.80	0.78	31.20%	
13	Ajenda Trade	3	Tehri	Gomsta Hydro	Mar-23		2.80	0.30	15.00%	
14	Ethurajpur	22.5	Tehri	Saastu Power	Mar-23		5.07	2.10	35.18%	
15	Bhulajpur-III	24	Tehri	Bhulajpur Hydro Power	Mar-23		3.82	0.76	19.89%	
16	Bhulajpur-I	7.2	Chamoli	Bhulajpur Hydro Power	Mar-23		2.70	0.45	15.93%	
17	Thakur Singh	2.28	Uttarakshi	UJVNL	Mar-23		3.40	2.12	60.24%	
18	Uttam SHP	3	Chamoli	UJVNL	Mar-23		1.84	1.02	55.43%	
19	Kailajpur-I SHP	4	Rudrapur	UJVNL	Mar-23		1.50	0.32	21.33%	
19	Kailajpur-III SHP	4.5	Rudrapur	UJVNL	Mar-23		3.67	0.78	20.44%	

As per Hon'ble National Green Tribunal (NGT) order dated 09/08/2017 in Original Application no. 498 of 2013 IM A No. 618/2016 Pursuant to MoU 8CC, Coal 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.

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