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HEAD OFFICE

Uttarakhand Pollution Control Board

"Gaura Devi Paryavaran Bhawan"

46B, IT Park, Sahastradhara Road, Dehra Dun

E-mail : msukpcb@yahoo.com, Phone No.-0135-2607092

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

Dehradun, August , 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.**

**Sub.: Monthly Progress Report of July, 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 July, 2023 along with Annexure 1 to 3 for your kind perusal and further necessary action. The soft copy of Monthly Progress Report has already sent through E-mail at ruby.raju@nmcg.nic.in, drpravin@nmcg.nic.in, emcukcsoffice@gmail.com & eepkm.cpcb@nic.in.

Enclosed: As above.

Yours' faithfully,


(S.K. Pattnaik)

Member Secretary

Copy to:

1. Principal Secretary, Forest, Environment and Climate Change, Govt. of Uttarakhand/ Chairman, River Rejuvenation Committee, Uttarakhand for kind information please.
2. Staff Officer to the Chief Secretary, Uttarakhand/Member Convener, Environment Monitoring Cell, Office of the Chief Secretary, Secretariat, Dehradun for kind information and necessary action please.
3. Shri P.K. Mishra, Divisional Head-WQM-I, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Shahdara, Delhi-110032 for kind information please.
4. Program Director, State Project Management Group (SPMG), Namami Gange, 117, Indira Nagar, Vasant Vihar, Dehradun- 248006 (Uttarakhand) for kind information.


Member Secretary



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

July 2023

1. OVERALL STATUS OF THE STATE:

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

2. DETAILS OF SEWAGE TREATMENT PLANTS:

Existing no. of STPs and Treatment Capacity (in MLD)	69 STPs of 427.905 MLD treatment capacity		
	District	Installed capacity (MLD)	Capacity Utilization (MLD)
	Chamoli	9.92	2.106
	Rudraprayag	0.525	0.47
	Pauri	7.625	4.198
	Tehri	22.685	14.57
	Uttarkashi	3.00	1.983
	Haridwar	178.00	151.00
	Dehradun	148.45	57.095
	Nainital	49.45	10.91
	Almora	2.00	1.65
	Pithoragarh	6.25	1.80
	Total	427.905	245.782
Capacity Utilization of existing STPs	245.782 MLD		
MLD of sewage being treated through alternate technology	192.085 MLD Through Septic tank and Soak pit.		
No. of Operational STPs	50 Nos.		
No. of Non-Operational STPs	17 Nos. (i) 0.075 MLD STP near Anoop Negi School, Rudraprayag. (ii) 10 MLD capacity Rusi Pond at Nainital. (iii) 0.010 MLD STP near Temple at Badrinath (iv) 1.080 MLD STP, Pokhri, Joshimath (v) 0.760 MLD STP, near Alakananda Ghat, Chamoli (vi) 0.050 MLD STP, near Old Suspension Bridge, Chamoli (vii) 1.190 MLD STP, near Vivekanand Colony, Gopeshwar (viii) 1.120 MLD STP, at Baitarni, Gopeshwar (ix) 1.25 MLD STP, at Pokhri Band, Gopeshwar (x) 0.050 MLD STP, at Sangam Road, Nandprayag (xi) 0.100 MLD STP at Forest Office, Nandprayag (xii) 0.050 MLD STP, near Police Chowki, Karnprayag		

	(xiii) 0.100 MLD STP, near Purana Pull, Karnprayag (xiv) 0.100 MLD STP, near Ward 1 & 3, Karnprayag (xv) 0.050 MLD STP at Subhash Nagar, Karnprayag (xvi) 0.050 MLD STP, near Naya Pull, Karnprayag (xvii) 1.2 MLD STP at Happy Valley, Mussoorie • Monitoring of 1 MLD STP at Gangotri could not be done due to heavy landslide near Gangnani region. • Monitoring 28 MLD STP, Indra Nagar, Haldwani will be started from August 2023 onwards						
No. of Complying STP's (Out of 50 Operational STPs monitored in the month of July, 2023)	- As per standards notified by MoEF& CC: 43 - As per standards prescribed by the Hon'ble NGT order dated 30.04.2019: 24						
No. of Non-complying STP's (Out of 50 Operational STPs monitored in the month of July, 2023)	- As per standards notified by MoEF&CC: 07 - As per standards prescribed by the Hon'ble NGT order dated 30.04.2019: 26						
Standards:							
Parameters	pH	BOD (mg/L)	TSS (mg/L)	Faecal Coliform (MPN/ 100 mL)	COD (mg/L)	Total- Nitrogen (mg/L)	Total Phosphorus (mg/L)
Standards notified by the MoEF&CC	6.5-9.0	30	<100	<1000	--	--	--
Standards prescribed by the Hon'ble NGT	5.5-9.0	10	20	230	50	10	1.0

Details of existing STPs in the State during the month of July, 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 the STP comes under Master Plan so the demolition work is under process and no effluent was reaching the STP.	
3.	Badrinath (Near suspension Bridge) Distt. Chamoli	1.00	0.200	Operational	Complying	Non - Complying
4.	Joshimath (Pokhri) Distt.-Chamoli	1.08	0.421	Non - Operational	STP found non-operational at the time of inspection, as no effluent was reaching the STP.	

5.	Gopeshwar (Chamoli Ghat) Distt.-Chamoli	0.76	0.05	Non - Operational	STP found non-operational during inspection.	
6.	Gopeshwar (Near Suspension bridge) Distt. Chamoli	0.05	0.010	Non - Operational	STP found non-operational during inspection.	
7.	Gopeshwar (Vivekanand Colony) Distt.-Chamoli	1.19	0.50	Non - Operational	STP found non-operational during inspection.	
8.	Gopeshwar (DeenDayalUp adhayay Park), Baiterni, Distt.- Chamoli	1.12	0.075	Non - Operational	STP found non-operational during inspection.	
9.	Gopeshwar (Pokhari Band) Distt.-Chamoli	1.25	0.50	Non - Operational	STP found non-operational during inspection.	
10.	Nandprayag (Sangam Road) Distt.-Chamoli	0.05	0.015	Non - Operational	STP found non-operational during inspection.	
11.	Nandprayag (Forest office) Distt.-Chamoli	0.10	0.09	Non - Operational	STP found non-operational during inspection.	C
12.	Karanprayag (Police chowki) Distt.-Chamoli	0.05	0.05	Non - Operational	STP found non-operational during inspection.	
13.	Karanprayag (Purana pull) Distt.-Chamoli	0.10	0.08	Non - Operational	STP found non-operational during inspection.	
14.	Karanprayag (Ward no. 1&3) Distt.-Chamoli	0.10	0.035	Non - Operational	STP found non-operational during inspection.	
15.	Karanprayag (Subhash Nagar) Distt.-Chamoli	0.05	0.02	Non - Operational	STP found non-operational during inspection.	
16.	Karanprayag (Naya Pull) Distt.-Chamoli	0.05	0.005	Non - Operational	STP found non-operational during inspection.	
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	0.10	0.08	Operational	Non - Complying	Non - Complying

	Complex), Distt- Rudraprayag					
19.	Rudraprayag (Near Bus Stand) Distt.- Rudraprayag	0.075	0.075	Operational	Non - Complying	Non - Complying
20.	Rudraprayag (Near SBI &Masjid), Distt- Rudraprayag	0.10	0.090	Operational	Non – 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	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	Non-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	Non-Complying
31.	Baah Bazar, Devprayag Distt.-Tehri	1.40	0.04	Operational	Complying	Non-Complying
32.	Gyansu, Uttarkashi	2.00	1.783	Operational	Complying	Complying

	Distt.- Uttarkashi					
33.	Gangotri, Uttarkashi Distt.- Uttarkashi	1.00	0.20	Monitoring could not be done due to heavy land slide in Gangnani region.		
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	Complying	Complying
37.	Near Junior High School, Srikot, Srinagar Distt.- Pauri	0.075	0.070	Operational	Complying	Non-Complying
38.	Swargashram, Rishikesh, Distt.-Pauri	3.00	2.12	Operational	Complying	Non-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	54.98	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	Complying
48.	Kargi, Dehradun	68.00	13.00	Operational	Complying	Complying

	Distt.-Dehradun					
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 Distt.-Dehradun	1.20	0.20	Non- Operational	STP found non-operational during the time of inspection.	
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	Complying
57.	Kulri Bazaar, Mussoorie Distt.-Dehradun	0.90	0.35	Operational	Complying	Non-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	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	245.782			

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	88%	Sewer lines already laid in 13 th Finance Programme.	Oct-2023
2.	Kashipur Distt. -US Nagar	18.00	90%	-	Dec, 2023
3.	Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Dhella)	10.00	52%	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.	Jasipur Khurd, Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Bhella)	1.00	33%	I&D – 50%	DOC-06.01.2024
7.	Hempur Smile, Kashipur Distt. U.S. Nagar	2.00	BEP under preparation.		DOC-06.01.2024

No.	Location	Capacity of the plant in MLD	Physical progress in %	Status of I & D or House sewer connections	Completion Timeline
	(Proposed under River Rejuvenation of Bhella)				
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	15% (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. (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 KfW	
5	Muni ki Reti-Dhalwala, Rishikesh, Distt. Tehri	8	Approved during September, 2022 by NMCG. Tendering under progress	
6	Swargashram, Rishikesh Distt. Pauri	3		
7	Neelkanth, Rishikesh Distt. Pauri	1.50		
	Muni ki Reti-Dhalwala, Rishikesh, Distt. Tehri	0.30		
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	21.00	DPR prepared and sent to NMCG through SPMG, for fund allocation. In compliance of observation received from NMCG STP capacity revised	
	Total	69.95		

- State of Uttarakhand has made timely progress in Namami Gange Projects. All necessary infrastructure provisions have been ensuring by the State towards pollution abatement on the main stem of River Ganga (Segment-A).

- 32 STPs with treatment capacity of 131.87 MLD have been installed & functional under Namami Gange programme.
- Out of 131 drains, which were draining into River Ganga, 131 drains have been tapped and all the drains have been intercepted and diverted to STPs (44 Nos.).
- In order to ensure the integrated and sustained cleanliness of tributary of River Ganga in Uttarakhand state, the National Mission for Clean Ganga (NMCG) has sanctioned Rs. 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. 30% work completed rest work in progress"
- Meanwhile, as per directions of the Hon'ble National Green Tribunal in the matter of O.A. 673/2018 dated 06.12.2019 bio-remediation of 19 drains of 09 polluted river stretches have been done for a period of 04 months (Feb-2021 to June-2021) covering Kumbh Mela period under Namami Gange Program.

3. DETAILS OF INDUSTRIAL POLLUTION:

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

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	(Capacity - 5.2 MLD). Operational and complying

			Motocorp has its own ETP)	
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 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. Peyjal Nigam has prepared an Estimate of Rs.19.25 Cr. for said work, and Chief Engineer Peyjal Nigam assured that Estimate will be submitted to Secretariat for TAC up to 30-08-2023.
ESIP Sitarganj (US Nagar)	75	2.0 MLD	All units are connected to CETP.	CETP with 4.0 MLD Capacity is operational and complying to the norms. Proposed –

			1. Sitarganj- (i) Proposed- 8 MLD (Package i,ii & iii in Module 2+3+3 MLD) Note - Based on review done by expert on techno economic feasibility it was concluded that majorly Industries related to Electronics and Aroma are being established in SIIDCUL Kashipur therefore CETP is not required. while in IIE Sitarganj Industrial area is under development so CETP shall be established after Development of Industrial estate.
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4. SOLID WASTE MANAGEMENT:

Total number of Urban Local Bodies and their Population	102 Urban Local Bodies (10 ULBs are newly added) Population- 36,26,586
Current Municipal Solid Waste Generation	1958.36 MTPD ULB wise details in enclosed as Annexure-1.
Current Municipal Solid Waste Processed	1256.19 MTPD ULB wise details in enclosed as Annexure-1.
Number, installed capacity and utilization of existing MSW processing facilities in TDP (bifurcated by type of processing e.g.- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bio methanation, MRF etc. Existing Facilities Pl. also specify total quantum of waste processing in the State. Location of MRFs and their capacities. Location of Plastic compactor, their capacity and year wise quantity of plastic waste compacted and sent for recycling. Revenue generated	▪ Two waste processing & Sanitary Land Fill facilities (SLF) (Dehradun: 200 Ton/day & Haridwar: 150 Ton/day capacity) are functional in the State. ▪ Two waste processing & SLF facility i.e., one at Rishikesh (covering 5 ULBs) and one in Haldwani (covering 7 ULBs), project approved, in Haldwani RFP has been revised and in Rishikesh agreement has been done with successful bidder. ▪ Total 38 Material Recovery Facility is functional having total capacity of 230 MTPD. ▪ <i>In NPP Muni-ki-Reti, a 5MTPD capacity Plastic to Plank system has been installed.</i> ▪ <i>Plastic Compactors- 72 Nos. (Operational). The total capacity of Plastic Compactor in ULBs is 360 Tonnes per day.</i> ▪ <i>Revenue generated from the plastic compactors is Rs. 4.13 Cr.till June 2023 by selling compacted plastics/bails.</i>

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-1242 Door to door Collecton-1242 Source Segregation-1051			
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Current Status	Total DPRs	No. of ULBs	Timeline
	DPR Approved & Plant Functional	6	10	Plant Functional
	DPRs approved & funds have been disbursed to ULBs	56	79	December 2023 for 21 Projects consisting 22 ULBs March 2024 for 18 Projects consisting 20 ULBs December 2024 for 17 Projects consisting 37/39* ULBs * 02 ULBs Muni ki Reti and Pirankaliyar is covering in cluster of Rishikesh and Roorkee respectively.
	DPRs sent to MoHUA, Gol for approval after	02	02	Subjected to approval & funds disbursement from MoHUA, Gol.

	getting approved at GoUK. (Shivalik Nagar, Chaukhutiya)			
	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	7
3	Rishikesh	5
4	Srinagar	1
5	Joshimath	1
6	Haridwar	1
7	Pauri	1
8	Tehri- Chamba ISWM Cluster	2
	Total	23

EC Applied for following projects

S.N .	Name of Project/ULBs	No. of ULBs
1	Kotdwar ISWM Cluster	1
2	Chamoli	1
3	Gauchar	1
4	Roorkee ISWM Cluster	5
5	Sitarganj	1
6	Mahuakhedaganj	1
7	Dineshpur	1
8	Naugaon (Uttarkashi)	1

	9	Kirtinagar	1
	10	Gadarpur ISWM Cluster	4
		Total	17
	EC of following projects rejected		
	S.N	Name of Project/ULBs	No. of ULBs
	1	Almora	1
	2	Ramnagar	1
	3	Chamoli	1
	4	Pithoragarh	1
		Total	4
	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/City	Legacy Waste Quantity (MT)	Legacy waste Remediated (Ton)	Remarks
	1	Dehradun	499000	-	G.O. Issued
	2	Haridwar	202000	-	G.O. Issued
	3		219000	-	G.O. Issued
	4	Kashipur	83000	40000	Tender Done
	5	Haldwani	207000	-	RFP submitted to GoUK
	6	Roorkee	130000	-	Tender under process
	7	Rishikesh	217000	150000	Tender done
	8	Kotdwar	16800	16800	Completed

- Following 04 DPR of 04 ULBs in principle approved by NARC, funds awaited.				
S. N.	ULB/City	Legacy Waste	Legacy waste Remediated	Remarks

		Quantity (MT)	ated (Ton)	
1	Sitarganj	15324.74	-	-
2	Srinagar	18070	-	-
3	Bazpur	11970	-	-
4	Almora	21696	-	-
- Following 02 DPR of 02 ULBs has been sent to MoHUA, Gol for approval.				
S. N.	ULB/ City	Legacy Waste Quantity (MT)	Legacy waste Remediat ed (Ton)	Remarks
1	Uttarkashi	5490.6	-	Tender done, work initiated
2	Rudrapur	35000	-	Remediation Initiated
- Following 16 Dumpsited are funded by State/ULB				
S.N.	ULB/City	Legacy Waste Quantity (MT)	Legacy waste Remediate d (Ton)	Remarks
1	Muni Ki Reti	13000	8000	Tender done
2	Doiwala	14000	8400	Tender done
3	Manglour	29506	-	DPR under process of approval
4	Pirankaliyar	26776	-	
5	Ramnagar	21630	-	
6	Duggadda	3127	-	
7	Khatima	32712	-	
8	Jhabrera	15000	-	-
9	Chamoli	1960	900	DPR approved under NGT/EC Fund
10	Gauchar	65	35	-
11	Joshimath	1366.65	700	-
12	Karnprayag	70	-	-
13	Gangotri	60	-	-
14	Nandprayag	40	-	-

	15	Pithoragarh	31500	2000	Tendere done
	16	Mussoorie	10000	8000	-
Sanitary Land Fill: 03 Scientific Sanitary Landfills (Kirtinagar, Haridwar & Dehradun) are in operation.					
No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	07 (Uttarkashi, Haldwani, Kotdwar, Doiwala, Srinagar, Rishikesh & Purola), as informed by respective ULBs. Legacy Waste of Kotdwar has been remediated In Srinagar legacy Waste has been shifted away from Ganga River. In Uttarkashi, ULB has enclosed the legacy waste site by constructing boundary wall of 3 m. height. Tender process has been completed and work order has been done.				
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 52 Projects **covering 75 ULBs.**
- Forest Land/Revenue Land is Identified and under process of transfer for 13 Projects covering 17 ULBs.
Recently for the SWM Plant at Kedarnath 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)
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No. of Industries generation Hazardous waste	4469 Nos.
Treatment Capacity of all TSDFs	Incineration-12000 MT/Year Land filling-8000 MT/Year
Quantity of Hazardous waste reached the TSDFs (Year 2021-22)	9151.55 MT (Landfill – 3269.383 MT & Incineration – 5882.17 MT)
Treated (Year 2021-22)	Landfillable: 3269.383 MT Incinerable: 5862.496 MT
Details of on-going or proposed TSDF	Capacity utilization of existing facility is proposed.

7. PLASTIC WASTE MANAGEMENT:

Total Plastic Waste generation	55991 MTPA (From 92 ULBs)
Treatment/Measures adopted for reduction or management of plastic waste	72 Nos. Plastic Compactors are functional on cluster basis to cater 92 ULBs. Rs. 154.68 Lakhs has been released by the UKPCB for this purpose. - Revenue generated from the plastic compactors is Rs. 4.13 Cr. by selling of compacted plastics/ bails till date - Total capacity of Compactor is 360 Tonnes per day. 62 Plastic Waste recycling units are registered with the Uttarakhand Pollution Control Board with an installed recycling capacity of 177000Ton/Annum. - State Level Monitoring Committee (SLMC) for Plastic Waste Management has been constituted by the State Government vide G.O. No. 1445/IV(3)-201912(1 Sa.)/2017 dated 03.07.2019. SLMC Meeting convened on 16.09.2022, 04.10.2022, 09.11.2022, 09-03-2023, 28-04-2023 & 21-07-2023. - The Government of Uttarakhand has imposed restriction on supply, carry, storage, transportation, manufacturing, sale, purchase and import of identified Single Use Plastic items vide notification dated 16.02.2021. - The Government of Uttarakhand has constituted a Special Task Force under chairmanship of Chief Secretary and District Level task Force under chairmanship of District Magistrate vide notification dated 31.08.2021 to eliminate banned single use plastic items, in mission mode. - Awareness campaign is being done for elimination of banned single use plastic items in the State. - SUP Ban Drive/Inspection Drive is being done regularly and Challan is being imposed on violators. - SUP grievance app has created by CPCB.

OTHERS:

8.	Details of Alternate Treatment Technology being adopted by the State/UT	The treatment technologies i.e., SBR, MBBR, SBT and Electro Coagulation are being used in the State for STPs.
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		In addition of above, Bio remediation treatment technology has been adopted for treatment of drains for the period till STPs are constructed and becomes functional.
9.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in situ treatment.	Main Ganga Stream: Total 135 drains identified along the main stream of river Ganga. Out of 135 drains, 131 drains sanctioned by NMCG New Delhi. Remaining 4 drains, 3 drain of Srikot have not sanctioned because BOD<30 and 1 drain of Rawali Mehdoon is under Sidcul. Out of 131 sanctioned drains 131 drains have been tapped. Dehradun: Total 177 nos small household drains has been sanctioned for I&D under Namami Gange Programme. 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). 30% work completed. Rest work is in progress." B. The polluting stretch Kalyani River (Kumaon), DPR is under preparation by UKPJN & consultant has been finalised. DPR expected to be submitted. C. The polluting stretch Suswa River (Dehradun) is taken up under DPR approved for I&D works of Rispana & Bindal Rivers under Namami Gange Projects. D. Polytechnic drains or Lakkarghat drain is the treated effluent channels for new 26 MLD STP based on SBR technology has been commissioned at Lakkarghat. E. The polluted River stretch (from Haridwar to Sultanpur) is already meeting the bathing water criteria and considered as model River. Bio-remediation of drains – DPR of Rs. 259 Lakh was approved by NMCG for total 19 drains on dated 14.12.2020. 06 Drains Kichch River. 03 Drains Suswa River. 01 Drains Rispana River. 01 Drains Bindal River. 07 Drains River Bhella, Kichcha and Pilakhar. 01 Drains Ukrouli, Sitraganj. Bioremediation works has been completed.
10.	Details of Nodal Officer appointed by Chief Secretary in the State/UT	Environmental Cell has been setup in the office of Chief Secretary, Govt. of Uttarakhand.

11.	Details of meetings carried under the Chairmanship of Chief Secretary in the State/UT	Meetings of CMC held on dated 10.02.2021, 04.03.2021, 09.07.2021, 15.11.2021, 04.02.2022, 09.06.2022, 20.09.2022, 10.01.2023 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 July, 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 Pikhar). 4 stretches are non-Perennial hence no flood plain zoning is to be done. Out of remaining 5 stretches flood plain zoning in River Ganga (Haridwar to Sultanpur) has been notified in 11th May, 2018. Remaining 3 stretches Flood Plain Zoning Work in Suswa, Kosi and Gola rivers is in final Phase and will be completed by October 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 July, 2023: ▪ All 07-HEPs located in the main Ganga basin and having > 25 MW capacity are complying the prescribed norms. ▪ All 05-HEPs located in other than main Ganga basin and having > 25 MW capacity are complying with e-flow norms. ▪ All 20 HEPs having <25 MW capacity located in the State are complying with e-flow norms. 02 Developers has not provided the data due to high E – flow while 02 Developers has not submitted the data of JULY 2023 till now. Details of E-flow of July, 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><tr><th>S. No.</th><th>Year</th><th>Plantations (ha)</th></tr><tr><td>1.</td><td>2020-21</td><td>5181.64</td></tr><tr><td>2.</td><td>2021-22</td><td>3781.46</td></tr><tr><td>3.</td><td>2022-23</td><td>3802.70</td></tr><tr><td>4.</td><td>2023-24</td><td>In progress</td></tr><tr><td></td><td>Total</td><td>12765.80</td></tr></table> 2. Plantations under 'Namami Gange' Project utilizing CAMPA funds in various Ganga districts: <table><tr><th>S. No.</th><th>Year</th><th>Plantations (ha)</th></tr><tr><td>1.</td><td>2022-23 (ASW)</td><td>1390.00</td></tr><tr><td>2.</td><td>2023-24 (Plantation)</td><td>In progress</td></tr><tr><td></td><td>Total</td><td>1390.00</td></tr></table> 3. Activities implemented under River Rejuvenation scheme of CAMPA <table><tr><th>S. No.</th><th>Year</th><th>Name of Activity</th><th>Unit</th><th>Achievement</th></tr><tr><td>1.</td><td>2018-19</td><td>Plantation</td><td>Nos.</td><td>180000</td></tr><tr><td>2.</td><td>2019-20</td><td>Plantation</td><td>Nos.</td><td>47000</td></tr><tr><td>3.</td><td rowspan="5">2020-21</td><td>Plantation</td><td>Nos.</td><td>60000</td></tr><tr><td>4.</td><td>Contour Trenches</td><td>Nos.</td><td>83376</td></tr><tr><td>5.</td><td>Recharge Ponds</td><td>Nos.</td><td>1999</td></tr><tr><td>6.</td><td>Percolation Tanks</td><td>Nos.</td><td>530</td></tr><tr><td>7.</td><td>Assisted Natural Regeneration</td><td>Ha</td><td>124</td></tr><tr><td>8.</td><td rowspan="8">2021-22</td><td>Plantation</td><td>Ha</td><td>55</td></tr><tr><td>9.</td><td>Water Bodies (10 KL)</td><td>Nos.</td><td>8</td></tr><tr><td>10.</td><td>Water Bodies (20 KL)</td><td>Nos.</td><td>22</td></tr><tr><td>11.</td><td>Water Bodies (40 KL)</td><td>Nos.</td><td>8</td></tr><tr><td>12.</td><td>Water Bodies (50 KL)</td><td>Nos.</td><td>10</td></tr><tr><td>13.</td><td>Water Harvesting Tanks</td><td>Nos.</td><td>53</td></tr><tr><td>14.</td><td>Check Dams</td><td>Nos.</td><td>81</td></tr><tr><td>15.</td><td>Contour Trenches</td><td>Nos</td><td>25166</td></tr></table>	S. No.	Year	Plantations (ha)	1.	2020-21	5181.64	2.	2021-22	3781.46	3.	2022-23	3802.70	4.	2023-24	In progress		Total	12765.80	S. No.	Year	Plantations (ha)	1.	2022-23 (ASW)	1390.00	2.	2023-24 (Plantation)	In progress		Total	1390.00	S. No.	Year	Name of Activity	Unit	Achievement	1.	2018-19	Plantation	Nos.	180000	2.	2019-20	Plantation	Nos.	47000	3.	2020-21	Plantation	Nos.	60000	4.	Contour Trenches	Nos.	83376	5.	Recharge Ponds	Nos.	1999	6.	Percolation Tanks	Nos.	530	7.	Assisted Natural Regeneration	Ha	124	8.	2021-22	Plantation	Ha	55	9.	Water Bodies (10 KL)	Nos.	8	10.	Water Bodies (20 KL)	Nos.	22	11.	Water Bodies (40 KL)	Nos.	8	12.	Water Bodies (50 KL)	Nos.	10	13.	Water Harvesting Tanks	Nos.	53	14.	Check Dams	Nos.	81	15.	Contour Trenches	Nos	25166
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		4. Work under Hon. NGT order in OA 673/2018 (Treatment of critically polluted river stretches (namely Bhella, Dhella, Suswa, Pilakhar, Nandhour and Kalyani rivers): <table><tr><th>S. No.</th><th>Year</th><th>Name of Activity</th><th>Unit</th><th>Achievement</th></tr><tr><td>1.</td><td rowspan="5">2020-21</td><td>Plantation</td><td>Nos.</td><td>4000</td></tr><tr><td>2.</td><td>Crate Wire Wall</td><td>Nos.</td><td>12</td></tr><tr><td>3.</td><td>Spur</td><td>Nos.</td><td>26</td></tr><tr><td>4.</td><td>Contour Trenches</td><td>RM.</td><td>2000</td></tr><tr><td>5.</td><td>Check Dams</td><td>Nos.</td><td>142</td></tr><tr><td>6.</td><td rowspan="3">2021-22</td><td>Advance Soil Works</td><td>Ha</td><td>6</td></tr><tr><td>7.</td><td>Pitching Work</td><td>CUM</td><td>882</td></tr><tr><td>8.</td><td>CC Blocks</td><td>RM</td><td>69.5</td></tr></table> Note: not approved in APO 2022-23 and 2023-24. 5. Works under conservation of flood plain zones of Ganga River in OA No. 200/2014 <table><tr><th>S. No.</th><th>Year</th><th>Name of Activity</th><th>Unit</th><th>Achievement</th></tr><tr><td>1.</td><td rowspan="2">2021-22</td><td>Advance Soil Works</td><td>Ha</td><td>131.94</td></tr><tr><td>2.</td><td>Check Dams</td><td>Nos.</td><td>1142</td></tr><tr><td>3</td><td>2022-23</td><td>Plantations</td><td>Ha</td><td>163.00</td></tr><tr><td></td><td></td><td>Check Dams</td><td>Nos.</td><td>713</td></tr></table> 6. Works under conservation & development of wetlands in OA No. 325/2015 <table><tr><th>S. No.</th><th>Year</th><th>Name of Activity</th><th>Unit</th><th>Achievement</th></tr><tr><td>1.</td><td rowspan="4">2022-22</td><td>Plantation</td><td>Ha</td><td>24.00</td></tr><tr><td>2.</td><td>Check Dams</td><td>Nos.</td><td>1035</td></tr><tr><td>3.</td><td>Contour Trenches</td><td>Ha</td><td>5.00</td></tr><tr><td>4.</td><td>Percolation Pits</td><td>Ha</td><td>50.00</td></tr><tr><td>5.</td><td></td><td>Maintenance, cleaning works etc.</td><td>Ha</td><td>5.00</td></tr></table> * progress as per MIS dated 16.06.2023	S. No.	Year	Name of Activity	Unit	Achievement	1.	2020-21	Plantation	Nos.	4000	2.	Crate Wire Wall	Nos.	12	3.	Spur	Nos.	26	4.	Contour Trenches	RM.	2000	5.	Check Dams	Nos.	142	6.	2021-22	Advance Soil Works	Ha	6	7.	Pitching Work	CUM	882	8.	CC Blocks	RM	69.5	S. No.	Year	Name of Activity	Unit	Achievement	1.	2021-22	Advance Soil Works	Ha	131.94	2.	Check Dams	Nos.	1142	3	2022-23	Plantations	Ha	163.00			Check Dams	Nos.	713	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
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3.		Spur	Nos.	26																																																																																								
4.		Contour Trenches	RM.	2000																																																																																								
5.		Check Dams	Nos.	142																																																																																								
6.	2021-22	Advance Soil Works	Ha	6																																																																																								
7.		Pitching Work	CUM	882																																																																																								
8.		CC Blocks	RM	69.5																																																																																								
S. No.	Year	Name of Activity	Unit	Achievement																																																																																								
1.	2021-22	Advance Soil Works	Ha	131.94																																																																																								
2.		Check Dams	Nos.	1142																																																																																								
3	2022-23	Plantations	Ha	163.00																																																																																								
		Check Dams	Nos.	713																																																																																								
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																																																																																								
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:- <table><tr><th>S. N.</th><th>Type of Vehicle</th><th>Penalty (in Rs.)</th><th>Percentage of Royalty to be imposed</th></tr><tr><td>1</td><td>04 wheeler Utility and Small vehicles</td><td>5,000</td><td>Market value of the quantity of illegal mineral loaded in the vehicle</td></tr><tr><td>2</td><td>06 Wheeler Utility</td><td>7,500</td><td>Market value of the quantity of illegal mineral loaded in the vehicle</td></tr><tr><td>3</td><td>02 wheeler Tractor Trolley</td><td>10,000</td><td>Market value of the quantity of illegal mineral loaded in the vehicle</td></tr><tr><td>4</td><td>04 wheeler Tractor Trolley</td><td>15,000</td><td>Market value of the quantity of illegal mineral loaded in the vehicle</td></tr><tr><td>5</td><td>06 wheeler Truck</td><td>30,000</td><td>Market value of the quantity of illegal mineral loaded in the vehicle</td></tr><tr><td>6</td><td>More than 06 wheeler Truck, Dumper, Haiwa etc.</td><td>50,000</td><td>Market value of the quantity of illegal mineral loaded in the vehicle</td></tr><tr><td>7</td><td>J.C.B</td><td>2,00,000</td><td>Illegal use without permission</td></tr><tr><td>8</td><td>Pokland</td><td>4,00,000</td><td>Illegal use without permission</td></tr></table> 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	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
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		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 WPPII 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 July 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:- <table><tr><th>S. N.</th><th>Financial Year</th><th>Illegal mining/ storage/ transportation cases</th><th>Penalty Recovered (In Rs. Crore)</th></tr><tr><td>1.</td><td>2015-2016</td><td>1324</td><td>12.27</td></tr><tr><td>2.</td><td>2016-2017</td><td>1424</td><td>4.41</td></tr><tr><td>3.</td><td>2017-2018</td><td>3231</td><td>9.44</td></tr><tr><td>4.</td><td>2018-2019</td><td>2649</td><td>26.99</td></tr><tr><td>5.</td><td>2019-2020</td><td>2502</td><td>9.62</td></tr><tr><td>6.</td><td>2020-2021</td><td>2752</td><td>18.05</td></tr><tr><td>7.</td><td>2021-2022</td><td>1818</td><td>13.17</td></tr><tr><td>8.</td><td>2022-23</td><td>2250</td><td>17.04</td></tr><tr><td>9.</td><td>2023-24 Upto July 2023</td><td>885</td><td>5.162</td></tr><tr><td></td><td>Total</td><td>18,835</td><td>116.152</td></tr></table> Thus, the State Government is committed to stop illegal mining, illegal storage and illegal transportation of mineral in the State.	S. N.	Financial Year	Illegal mining/ storage/ transportation cases	Penalty Recovered (In Rs. Crore)	1.	2015-2016	1324	12.27	2.	2016-2017	1424	4.41	3.	2017-2018	3231	9.44	4.	2018-2019	2649	26.99	5.	2019-2020	2502	9.62	6.	2020-2021	2752	18.05	7.	2021-2022	1818	13.17	8.	2022-23	2250	17.04	9.	2023-24 Upto July 2023	885	5.162		Total	18,835	116.152
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	Total	18,835	116.152																																											
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. 5.18 Crore from various defaulters / law violators as an environment compensation.																																												

SWM (MIS) Report July 2023

S.N.	District Name	ULB Name	Total Wards	Wards with 100% D2D Collection	Wards with 100% Source segregation	Generation (MTPD)	Processed (MTPD)
1	ALMORA	DWARHAT	4	4	4	0.21	0.21
2	ALMORA	ALMORA	13	13	13	7.78	5.49
3	ALMORA	RANIKHET-	7	7	7	3.87	3.87
4	ALMORA	BHIKYASAIN	4	4	4	2.00	2.55
5	ALMORA	CHAWKHUTIYA	4	4	0	0.00	0.00
6	BAGESHWAR	BAGESHWAR	11	11	11	7.50	3.29
7	BAGESHWAR	KAPKOT	7	7	7	2.00	1.77
8	BAGESHWAR	GARUD	7	0	0	0.00	0.00
9	CHAMOLI	BADRINATH	4	4	4	0.65	0.65
10	CHAMOLI	JOSHIMATH	9	9	9	0.00	0.00
11	CHAMOLI	CHAMOLI-	11	11	11	3.39	4.19
12	CHAMOLI	NANDPRAYAG	4	4	4	0.50	0.50
13	CHAMOLI	GAUCHAR	7	7	7	4.39	5.32
14	CHAMOLI	KARNAPRAYAG	7	7	7	1.68	0.00
15	CHAMOLI	GAIRSAIN	7	7	7	1.16	3.13
16	CHAMOLI	POKHARI	7	7	7	2.00	2.00
17	CHAMOLI	THARALI	4	4	4	0.77	0.26
18	CHAMOLI	PIPALKOTI	4	4	4	0.00	0.00
19	CHAMPAWAT	CHAMPAWAT	9	9	7	4.35	4.35
20	CHAMPAWAT	LOHAGHAT	7	7	7	2.48	2.48
21	CHAMPAWAT	TANAKPUR	11	11	5	3.06	0.00
22	CHAMPAWAT	BANBASA	7	7	7	2.00	0.00
23	DEHRADUN	VIKASNAGAR	11	11	11	7.91	7.91
24	DEHRADUN	HERBERTPUR	9	9	9	4.35	0.01
25	DEHRADUN	MUSOORIE	13	13	13	17.42	17.42
26	DEHRADUN	DEHRADUN	100	100	100	459.93	459.93
27	DEHRADUN	DOIWALA	20	20	20	16.62	16.62
28	DEHRADUN	RISHIKESH	40	40	40	82.89	82.89
29	DEHRADUN	SELAQUI (CENTRAL	9	9	0	0.00	0.00
30	HARDWAR	ROORKEE (NN)	40	40	40	90.45	89.32
31	HARDWAR	JHABRERA	9	9	9	0.00	0.00
32	HARDWAR	MANGLAUR	20	20	20	21.10	20.42
33	HARDWAR	LANDHAURA	9	9	9	6.77	0.00
34	HARDWAR	HARDWAR	60	60	60	645.16	122.58
35	HARDWAR	LAKSAR	11	11	11	15.19	15.19
36	HARDWAR	SHIVALIK NAGAR	13	13	13	0.00	0.00
37	HARDWAR	BHAGWANPUR	9	9	9	0.00	0.00
38	HARDWAR	PIRAN KALIYAR	9	9	9	7.06	7.06
39	HARDWAR	IMLIKHEDA	9	0	0	0.00	0.00
40	HARDWAR	RAMPUR	11	0	0	0.00	0.00
41	HARDWAR	PADLI GUJJAR	11	0	0	0.00	0.00
42	HARDWAR	DHANDHERA	11	0	0	0.00	0.00
43	HARDWAR	SULTANPUR-	9				
44	NAINITAL	NAINITAL	15	15	15	11.37	11.37
45	NAINITAL	BHOWALI	7	7	7	2	0
46	NAINITAL	BHIMTAL	9	9	9	4	4
47	NAINITAL	HALDWANI	60	60	49	126.19	126.19
48	NAINITAL	RAMNAGAR U	20	20	20	13.16	6.05
49	NAINITAL	KALADHUNGI	7	7	7	3.20	0.03
50	NAINITAL	LALKUAN	7	7	7	0	0
51	PAURI	SRINAGAR	13	13	13	11	7.16
52	PAURI	PAURI	11	11	11	8	7.97
53	PAURI	DOGADDA	4	4	4	0	0.00
54	PAURI	KOTDWARA	40	40	40	53.97	49.52
55	PAURI	SWARGASHRAM	4	4	4	0	0
56	PAURI	SATPULI	4	4	4	1.33	1.61
57	PAURI	THALISAIN	4	0	0	0.00	0.00
58	PITHORAGARH	DHARCHULA	7	7	7	3.74	0.59
59	PITHORAGARH	DIDIHAT	7	7	7	3.03	0.00
60	PITHORAGARH	PITHORAGARH	20	20	11	27.10	12.58

61	PITHORAGARH	GANGOLIHAT	7	7	7	0.34	0.00
62	PITHORAGARH	BERINAG	7	7	7	1.45	1.45
63	RUDRAPRAYAG	KEDARNATH	1	1	1	0	0
64	RUDRAPRAYAG	RUDRAPRAYAG	7	7	7	3.2	2
65	RUDRAPRAYAG	UKHIMATH	4	4	4	0	0.51
66	RUDRAPRAYAG	AUGUSTMUNI	7	7	7	1.62	1.62
67	RUDRAPRAYAG	TILWARA	4	4	4	0.00	0.00
68	TEHRI	KIRTINAGAR	4	4	4	0.97	0.97
69	TEHRI	DEVAPRAYAG	4	4	4	1.03	0.08
70	TEHRI	TEHRI	11	11	10	3.39	0.00
71	TEHRI	CHAMBA U	9	9	9	3.52	3.52
72	TEHRI	NARENDRANAGAR	7	7	7	1.27	1.27
73	TEHRI	MUNI-KI-RETI	11	11	11	14.08	14.08
74	TEHRI	GHANSALI	7	7	7	1.90	1.90
75	TEHRI	LAMB GAON	4	4	4	1.45	1.26
76	TEHRI	GAJA	4	4	4	0.69	0.69
77	TEHRI	CHAMIYALA	7	7	7	1.94	0.00
78	TEHRI	TAPOVAN	4	4	4	0.00	0.00
79	UDHAMSINGH	KASHIPUR	40	40	25	51.16	51.16
80	UDHAMSINGH	MAHUA KHERAGANJ	9	9	0	3.77	3.77
81	UDHAMSINGH	MAHUADABRA	7	7	7	0.00	0.00
82	UDHAMSINGH	JASPUR	20	20	12	0.00	0.00
83	UDHAMSINGH	SULTANPUR U	7	7	7	4.00	10.65
84	UDHAMSINGH	BAZPUR	13	13	13	0.00	0.00
85	UDHAMSINGH	KELA KHERA	9	9	9	4.35	0.34
86	UDHAMSINGH	RUDRAPUR	40	40	38	120.65	32.34
87	UDHAMSINGH	KICHHA	20	20	15	16.45	0.00
88	UDHAMSINGH	GADARPUR	11	11	11	8.00	8.00
89	UDHAMSINGH	DINESHPUR	9	9	9	4.60	4.50
90	UDHAMSINGH	SHAKTIGARH	7	7	7	1.20	0.84
91	UDHAMSINGH	SITARGANJ	13	13	13	0.00	0.00
92	UDHAMSINGH	KHATIMA	20	20	0	0.00	0.00
93	UDHAMSINGH	NANAKAMTTA	7	7	7	4.03	1.13
94	UDHAMSINGH	GULARBHOJ	7	7	7	2.17	2.17
95	UDHAMSINGH	NAGLA	20	0	0	0.00	0.00
96	UDHAMSINGH	LALPUR	4	0	0	0.00	0.00
97	UTTARKASHI	BARKOT (NPP)	7	7	7	3.61	3.55
98	UTTARKASHI	BARAHAT	11	11	11	0.00	0.00
99	UTTARKASHI	GANGOTRIDHAM	4	4	4	0.23	0.23
100	UTTARKASHI	PUROLA	7	7	7	0.00	0.00
101	UTTARKASHI	CHIMYALISUR	7	7	7	2.50	0.00
102	UTTARKASHI	NAUGAON	7	7	7	2.00	1.68
Total			1242	1156	1055	1958.36	1256.19

Amr...

The Surface Water Quality of 09 polluted river stretches for the month of July, 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	18.07.2023	US	Dhella Bridge, Kashipur, Bhelijudi	29°13'12" N 78°56'42" E	7.6	7.0	2.7	20	334	217	22	540	430
		18.07.2023	DS	Gehruwala Village Pratappur	29°08'30" N 78°05'20" E	7.4	3.4	20	140	658	445	64	>1600	920
2	Bhella	18.07.2023	US	Bahella Bridge, Kashipur	29°16'43" N 79°01'19" E	7.6	6.2	2.2	16	185	114	16	540	350
		18.07.2023	DS	Bahella River rajpura tanda	29°07'45" N 78°59'03" E	7.7	3.8	16	96	296	184	48	>1600	1600
3	Kichha	19.07.2023	US	Main Road Kichha	28°57'43" N 79°32'17" E	7.8	7.2	2.2	16	252	171	17	>1600	>1600
		19.07.2023	DS	Kichha Bridge	29°52'59" N 79°30'56" E	7.7	7.0	3.0	28	334	227	31	540	430
4	Suswa	06.07.2023	US	Mothrawala	30°13'59" N 78°01'48" E	7.60	2	32	108	321	212	-	160000	28000
		04.07.2023	DS	Barafutta	30°8'19.9" N 78°7'49.8" E	7.50	6.2	2.4	7.6	316	209	-	240	220
5	Kalyani	19.07.2023	US	Pantnagar Ind. Area Rudrapur	29°01'44" N 79°24'28" E	7.4	5.4	2.8	16	322	211	24	540	350
		19.07.2023	DS	Rampura ground Rudrapur	28°57'52" N 79°24'08" E	7.5	4.1	14	112	422	278	58	>1600	>1600
6	Kosi	18.07.2023	US	Bajpur bridge Sultanpur patti	28°09'32" N 79°02'19" E	7.9	7.4	2.4	16	238	152	18	1600	540
		18.07.2023	DS	Bypass bridge pattikalan	29°04'31" N 79°02'24" E	7.5	7.2	2.6	20	260	189	24	>1600	920
7	Pilakhar	18.07.2023	US	Bajpur	29°10'21" N 79°08'44" E	7.4	6.0	2.8	20	436	288	28	>1600	>1600
		18.07.2023	DS	Rampur (U.P.)	29°12'12" N 78°58'42" E	7.5	5.4	4.6	40	456	296	39	1600	920
8	Nandhour	19.07.2023	US	Sitarganj	29°04'36" N 79°41'36" E	7.8	8.2	1.6	08	165	107	15	430	350
		19.07.2023	DS	Nandhor Bridge, Sitarganj	28°55'149" N 79°44'38" E	7.5	7.3	2.5	16	183	118	25	1600	920
9	Ganga	05.07.2023	US	Bindughat Dudhiyaban	29.970608°N- 78.183854°E	8.14	7.9	202	12	315	201	-	140	70
		04.07.2023	DS	Sultanpur	29.699043°N -78.166559°E	8.20	7.6	1.4	10	316	202	-	130	63

**Status of release of E-flow as per MoWR, RD&GR order dated 09.10.2018 from the Hydro projects (> 25 MW)
situated in the river/tributary of Ganga river basin in the State of Uttarakhand
(July 2023)**

S.No.	Name of Hydro Power Project	Capacity (MW)	District	Developer	Season	Months	Average E-flow Mandated (cumecs)	Compliance of e-flow notification			
								Average River Discharge (Cumecs)	E-Flow Released (Cumecs)	% of E-Flow released	Remark
1	Vishnuprayag HEP	400	Chamoli	J.P venture	Lean	Jul-23	24.52	133.30	83.45	62.60%	
2	Srinagar HEP	330	Pauri Garhwal	GVK	Lean	Jul-23	222.59	1365.13	831.21	60.89%	
3	Singoli Bhatwari HEP	99	Rudraprayag	L&T	Lean	Jul-23	15.93	283.78	221.91	78.20%	
4	(Tehri Dam + Koteswar Dam)	(1000 + 400)	Tehri	THDCIL	Lean	Jul-23	103.45	918.64	285.61	31.09%	
5	Tiloth Power Station (Maneri Dam)	3 x 30 = 90	Uttarkashi	UJVNL	Lean	Jul-23	65.92	357.28	302.41	84.64%	
6	Dharasu Power Station (Joshiyara Barrage)	4 x 76 = 304	Uttarkashi	UJVNL	Lean	Jul-23	79.98	403.95	353.14	87.42%	
7	Chilla Power Station	4 x 36 = 144	Pauri Garhwal	UJVNL	Lean	Jul-23	200.73	2457.60	1764.63	71.80%	

* 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

(July 2023)

* 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, Govt and others, Government of Uttarakhand vide order dated 05.06.2018 directed all the hydro project developers in the State of Uttarakhand to release minimum e-flow of 15% of the average lean season flow of that river from their projects.

Status of release of E-flow as per NGT order dated 09.08.2017 from the Small Hydro projects (<25 MW) situated in the river/tributary Ganga & other river basin in the State of Uttarakhand (July 2023)

Amman

S.No.	Name of Hydro Power Project	Capacity (MW)	District	Developer	Months	E-Flow Norms*	Compliance of e-flow notification			
							Average lean season flow (Cumecs)	E-Flow Released (Cumecs)	% of E-Flow released	Remark
1	Loharkhet	4.8	Bageshwar	Parvatiya Power	Jul-23	Minimum 15% of Average Lean Season flow	1.47	2.56	174.15%	
2	Gangani	8	Uttarkashi	Regency Gangani Energy	Jul-23		5.10	7.76	152.16%	
3	Badyar	4.9	Uttarkashi	Regency Yamuna Energy	Jul-23		3.10	5.03	162.26%	
4	Sarju-II	0	Bageshwar	Uttar Bharat Hydro	Jul-23		-	-	-	Developer inform that due to high inflow in the river, discharge could not be measured
5	Sarju-III	10.5	Bageshwar	Uttar Bharat Hydro	Jul-23		-	-	-	
6	Motighat	5	Pithoragarh	Himalya Hydro (P) Ltd.	Jul-23		3.04	10	328.95%	
7	Tanga	5	Pithoragarh	Himalya Hydro (P) Ltd.	Jul-23		3.04	10.00	328.95%	
8	Galogi SHP	3.5 MW	Dehradun	UJVNL	Jul-23		0.36	0.07	19.44%	
9	Ram Prasad Nautiyal, Dunao SHP	1.5 MW	Pauri Garhwal	UJVNL	Jul-23		15.58	14.18	91.01%	
10	Rajwakti	3.6	Chamoli	Him Urja	Jul-23		-	-	-	Data is not submit by the developer for the month of July 2023 till date
11	Vanala	15	Chamoli	Him Urja	Jul-23		-	-	-	
12	Debal	5	Chamoli	Chamoli Hydro	Jul-23		2.50	7.55	302.00%	
13	Agunda Thati	3	Tehri	Gunsola Hydro	Jul-23		8.07	1.22	15.12%	
14	Bhiliangana	22.5	Tehri	Swasti Power	Jul-23		131.74	171.11	129.88%	
15	Bhiliangana- III	24	Tehri	Bhiliangna Hydro Power	Jul-23		36.18	119.17	329.38%	
16	Birahiganga	7.2	Chamoli	Birahiganga Hydro Power	Jul-23		2.70	10.98	406.67%	
17	Pilangad SHP	2.25	Uttarkashi	UJVNL	Jul-23		7.11	6.80	95.64%	
18	Urgam SHP	3	Chamoli	UJVNL	Jul-23		4.68	3.18	67.95%	
19	Kaliganga -I SHP	4	Rudraprayag	UJVNL	Jul-23		6.00	3.00	50.00%	
19	Kaliganga -II SHP	4.5	Rudraprayag	UJVNL	Jul-23		10.54	3.25	30.83%	

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, Govt and others, Government of Uttarakhand vide order dated 05.06.2018 directed all the hydro project developers in the State of Uttarakhand release minimum e-flow of 15% of the average lean season flow of that river from their projects.