



HEAD OFFICE
Uttarakhand Pollution Control Board

"Gaura Devi Paryavaran Bhawan"

46-B, IT Park, Sahasradhara Road, Dehradun (Uttarakhand)

Web: www.ueppcb.uk.gov.in. E-mail: msukpcb@yahoo.com

Ref: UKPCB/HO/Gen-476(Vol. III/2022/657-1249) Dehradun, January 31, 2022

E-mail/Speed Post

To,

✓ **Executive Director (Tech),
NMCG (National Mission for Clean Ganga)
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 December, 2021 in the matter of O.A. No. 673/2018, Rejuvenation of River as per Hon'ble National Green Tribunal order 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 December, 2021, for your kind perusal. 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 asudhakar.cpcb@nic.in.
Enclosed: As above.

Your's faithfully,


**S.P. Subudhi I.F.S.
Member Secretary**

Copy to:

1. Additional Chief 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 Secretary, Environment Monitoring Cell, Office of Chief Secretary, Secretariate, Dehradun for kind information and necessary action please.
3. Shri A. Sudhakar, DH, Central Pollution Control Board (WQM-I Division), Parivesh Bhawan, East Arjun Nagar, Shahdara, Delhi-110032 for kind information please.


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
December, 2021**

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 Plant:

Existing no. of STPs and Treatment Capacity (in MLD)	67 STPs of 397.21 MLD treatment capacity		
	District	Installed capacity (MLD)	Capacity Utilization (MLD)
	Chamoli	7.22	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	21.45	10.91
	Almora	2.00	1.65
	Pithoragarh	6.25	1.80
	Total	397.21	235.822
Capacity Utilization of existing STPs	235.822 MLD		
MLD of sewage being treated through alternate technology	165 MLD Through Septic tank and Soak pit.		
Gap in Treatment Capacity in MLD	Urban- 93.498 MLD (329.32-235.822)		
No. Of Operational STPs	63 (+ 01 STP is under trial & testing)		
No. of Non-Operational STPs	03 1. 0.050 MLD STP at Karnprayag (Naya Pull) 2. 0.075 MLD STP at Rudraprayag (Near Anoop Negi School) 3. 0.075 MLD STP at Devprayag		
No. of Complying STP's	As per standards notified by MOEF& CC: - 58 As per standards prescribed by the Hon'ble NGT order dated 30.04.2019: - 48 (Out of 63 operational STPs, monitoring of following 04 STPs could not be done due to seasonal closure: (i) 0.26 MLD STP Badrinath (Bamni Gaon) (ii) 0.01 MLD STP Badrinath (Near Temple) (iii) 1.00 MLD STP Badrinath (Near Suspension Bridge)		

Cherma 

		(iv) 1.00 MLD STP Gangotri, Uttarkashi.					
No. of Non-complying STP's		As per standards notified by MOEF& CC: 01 As per standards prescribed by the Hon'ble NGT order dated 30.04.2019: 11					
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 each existing STPs in the State during the month of December, 2021.

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	Monitoring could not be done due to seasonal closure	
2	Badrinath (Near Temple) Distt.- Chamoli	0.01	0.005	Operational	Monitoring could not be done due to seasonal closure	
3	Badrinath (Near suspension Bridge) Distt. Chamoli	1.00	0.200	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	Complying
6	Gopeshwar (Near Suspension bridge) Distt. Chamoli	0.05	0.010	Operational	Complying	Complying
7	Gopeshwar (Vivekanand Colony) Distt.-Chamoli	1.19	0.50	Operational	Complying	Complying
8	Gopeshwar (Deen Dayal Upadhyay	1.12	0.075	Operational	Complying	Complying

Handwritten signature/initials

	Park), Baiterni, Distt.-Chamoli					
9	Gopeshwar (Pokhari Band) Distt.-Chamoli	1.25	0.50	Operational	Complying	Complying
10	Nandprayag (Sangam Road) Distt.-Chamoli	0.05	0.015	Operational	Complying	Complying
11	Nandprayag (Forest office) Distt.-Chamoli	0.10	0.09	Operational, but due to under capacity, untreated effluent is partially discharged into Nandakini River	Complying	Complying
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	Non- Operational	Due to Nala Damaged by NHAI STP is not functional.	
17	Rudraprayag (Near Anoop Negi School), Distt. - Rudraprayag	0.075	0.075	Non- Operational	Due to heavy landslide STP foundation damaged. Equipment dismantled.	
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 & Maszid), Distt-Rudraprayag	0.10	0.090	Operational	Complying	Complying
21	Rudraprayag (Near Steel Bridge), Distt-Rudraprayag	0.125	0.125	Operational	Complying	Complying
22	Rudraprayag (Belani)	0.05	0.025	Operational	Complying	Complying

	Distt-Rudraprayag					
23	Kirtinagar (BRO Bridge), Distt.-Tehri	0.05	0.03	Operational	Complying	Complying
24	Kirtinagar (Near Temple), Distt.-Tehri	0.01	0.01	Operational	Complying	Complying
25	Bhagirathipuram, 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	Complying	Complying
29	Shanti bazar, Devprayag, Distt.-Tehri	0.075	0.04	Non- Operational	Due to cloud burst trunk sewer line damaged.	
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	Complying	Complying
33	Gangotri, Uttarkashi Distt.-Uttarkashi	1.00	0.20	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, but due to under capacity, untreated effluent is partially discharged into Alaknanda River.	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	Jageetpur, Haridwar Distt.-Haridwar	27.00	27.00	Operational	Complying	Non- Complying
41	Jageetpur, Haridwar Distt.-Haridwar	18.00	18.00	Operational	Complying	Non- Complying
42	Jageetpur, 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	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	0.71	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	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	Operational	Non- Complying	Non- Complying
63	Z-1 Pithoragarh Distt.-Pithoragarh	5.00	1.00	Operational	Complying	Non- Complying
64	Z-2 Pithoragarh Distt.- Pithoragarh	1.25	0.80	Operational	Complying	Complying
65	Ramnagar Distt.- Nainital	7.00	2.5	Operational	Complying	Non- Complying
66	Ramnagar, Puchdi, Distt.- Nainital	1.50	0.15	Operational	Complying	Non- Complying
67	Narayan Nagar. Nainital Distt. Nainital	0.450	-	Under trial & testing since 30.11.2021.		
	Total	397.21	235.822			

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	23%	Sewer lines already laid in 13 th Finance Programme.	March, 2022
2	Marwari. Joshimath Distt. -Chamoli	2.70	25 %	-	March,2022
3	Haldwani (Indira Nagar) Distt. -Nainital	28.00	70%	Sewer line is already laid/is being laid in AMRUT Programme	March, 2022.
4	Kashipur Distt. -US Nagar	18.00	70 %	-	March, 2022
5	Roosi Pond, Nainital Distt. Nainital	17.50	Work under ADB		
6	Nakronda, Dehradun, Distt. Dehradun	17.50	Work under ADB		
7	Daurwala, Dehradun, Distt. Dehradun	18.00	Work under ADB		
8	Kashipur	10.00			

	Distt. U.S. Nagar (Proposed under River Rejuvenation of Dhella)				
9	Mukhandpur, Kashipur, Distt. U.S. Nagar (proposed under River Rejuvenation of Bhella)	0.50			
10	Gularia, Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation)	0.30			
11	Jaspur Khurd, Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Bhella)	1.00			
12	Hempur Smile, Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Bhella)	2.00			
13	Beljuri Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Bhella)	0.50			
14	Bazpur Distt. U.S. Nagar (Proposed under River Rejuvenation of Pilakhar)	10.00			
15	Kichha, Rudrapur Distt. U.S. Nagar (Proposed under River Rejuvenation of Kichha)	3.00			
16	Sitarganj Distt. U.S. Nagar (Proposed under River Rejuvenation of Nandhour)	3.00			
	Total	135.00			

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	Mussoorie Distt. Dehradun	0.70	Under Bidding	
3	Mussoorie Distt. Dehradun	1.10		
4	Mussoorie Distt. Dehradun	0.70		
5	Mussoorie Distt. Dehradun	0.70		
6	Mussoorie Distt. Dehradun	0.05		
7	Pandeykhaula Distt. Almora	1.50	DPR approved and tender fianlised.	
8	Gyansu Distt. Uttarkashi	4	DPR prepared and sent to State sector for fund allocation.	
9	Gangori Distt. Uttarkashi	1		
10	Gumani wala Rishikesh Distt. Dehradun	1.50		
11	Khadri Rishikesh Distt. Dehradun	2		
12	Muni ki Reti Rishikesh Distt. Tehri	5		
13	Swargashram Rishikesh Distt. Pauri	3		
14	Neelkanth, Rishikesh Distt. Pauri	1.50		
	Total	22.75		

- 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 (Segmnet-A).
- Out of 32 STPs with treatment capacity of 131.87 MLD, 31 STPs with treatment capacity of 129.17 MLD have been installed and functional under Namami Gange programme.
- Out of 131 drains, which were draining into River Ganga, 128 drains have been tapped and all the drains have been intercepted by 44 STPs.
- 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-drains and establishment of 09 STPs along the 06 polluted river stretches.
- 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.
- I&D with STP (09 No.) works for 06 Nos. stretches (Bhella, Dhella, Kichha, Kosi, Nandhore, Pilakhar in Kashipur, Distt. U.S. Nagar) has been sanctioned vide letter no.

3. Details of Industrial Pollution:

No. of industries in the State	8554
No. of water polluting industries in the State	854
Quantity of effluent generated from the industries in MLD	145 MLD
Quantity of Hazardous Waste generated from the industries	22,736.50 TPA (2020-21)
Number of industrial units having ETPs	854
Number of industrial units connected to CETP	1079 (350 wet, 709 dry units)
Number and total capacity of ETPs (details of existing/ under construction/proposed)	175 MLD
Compliance status of the ETPs	Show cause notice for 02 non-complying units are under process.
Number and total capacity of CETPs (details of existing/under construction/proposed)	Existing: 03 CETPs of 13.2 MLD. Under construction: Nil Proposed CETPs: 8 MLD CETP at Sitarganj (package I, ii & iii in Module 2+3+3) Required inlet parameters for CETP and other required directions are expected from UKPCB to include in tender documents. 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 preparation with technical cooperation from GIZ.
Status of compliance and operation of the CETPs	All 03 operational CETPs are complying with the environment norms.

21/3

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 Moto corp has its own ETP)	One existing CETP with 5.2 MLD Capacity operational and complying to the norms.
IIE, Pantnagar (USNagar)	499	2.0 MLD	474 units are connected (01 industry M/s Ridhi Sidhi has its own ETP) and rest 24 units are proposed to be connected by 31.03.2022, however, all these units are having their own ETPs. M/S Roquette Riddhi Siddhi Pvt Ltd., IIE Pantnagar has its own ETP.	One existing CETP with 4.0 MLD Capacity operational complying to the norms.
Sitarganj (US Nagar)	75	2.0 MLD	All 75 units are connected to CETP.	One existing CETP with 4.0 MLD Capacity operational and complying to the norms.

4. Solid Waste Management

Total number of Urban Local Bodies and their Population	100 Urban Local Bodies, Population- 3440814 (09 ULBs are newly added)
Current Municipal Solid Waste Generation	1553.51 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 composting), bio methanation, MRF etc. Existing Facilities	- Two waste processing & Sanitary Land Fill facilities (SLF) (Dehradun: 350 Ton/day & Haridwar: 250 Ton/day capacity) are functional in the State. - Total 30 MRF have been developed by ULBs {02 Material Recovery Facility installed at Dehradun (Near ISBT and Harrawala) with financial support from UKPCB and UNDP & 01 Number of MRF in Rishikesh (UNDP)} are functional and one MRF in Rishikesh is in process of installation. - German International Corporation, GIZ is in the process to establish Plastic Waste Management units in Haridwar and Rishikesh under Ganga Plastic Partnership. Land has been allocated for Material Recovery Facility and tendering is in process.

	Plastic Compactors- 56 installed (01 PC in Badrinath is damaged due to snowfall) Revenue generated from the plastic compactors is Rs. 325.05 Lacs by selling 65.01 Lacs Tones till date FY 2018-2021.																		
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. (100 mm Trommel is being added into current plant for increasing the plant capacity & tender is in process for increasing the waste disposal).																		
Nos. and capacity of C&D waste processing plants in TDP (existing, proposed and under construction)	68 ULBs have reported either no generation of C&D waste or the same is used in backfilling. 16 ULBs have reported waste generation, out of which 08 have identified site for this purpose amongst these 16 ULBs, C&D Plant is proposed in Dehradun, Rishikesh and Kashipur under NCAP (National Clean Air Program) for which Site has been identified. DPR in process of preparation with the help of UUSDA (Uttarakhand Urban Sector Development Agency). - Baseline study has been started to collect data for constructing C & D waste Management Plant in 03 NCAP cities. - Remaining 07 ULBs didn't report any data on waste generation, and are in process of assessing C&D of waste generation data & details regarding 09 Newly formed ULBs is in process.																		
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 Collection-1152. Source Segregation-1024.																		
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	<table><thead><tr><th>Current Status</th><th>Total DPRs</th><th>No. of ULBs</th></tr></thead><tbody><tr><td>DPR Approved & Plant Functional</td><td>02</td><td>05</td></tr><tr><td>DPRs approved & funds are disbursed</td><td>57</td><td>72</td></tr><tr><td>DPRs approved & funds disbursed by GoUK, yet to be transferred to ULB</td><td>03</td><td>11</td></tr><tr><td>DPRs at different stages of approval</td><td>03</td><td>03</td></tr><tr><td>Total</td><td>65</td><td>91</td></tr></tbody></table> (ULB wise details is Annexed as Annexure-1) Collection & Transportation Vehicles have been purchased by ULBs in initial phase to implement 100% Door to Door Collection & 100 % Source Segregation.	Current Status	Total DPRs	No. of ULBs	DPR Approved & Plant Functional	02	05	DPRs approved & funds are disbursed	57	72	DPRs approved & funds disbursed by GoUK, yet to be transferred to ULB	03	11	DPRs at different stages of approval	03	03	Total	65	91
Current Status	Total DPRs	No. of ULBs																	
DPR Approved & Plant Functional	02	05																	
DPRs approved & funds are disbursed	57	72																	
DPRs approved & funds disbursed by GoUK, yet to be transferred to ULB	03	11																	
DPRs at different stages of approval	03	03																	
Total	65	91																	

	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, Haldwani – Rudarpur ISWM Cluster (In Tender process), Srinagar & Haridwar. ▪ Applied For EC: Almora, Rishikesh, Kotdwar, Ramanagr, Tehri-Chamba, Chamoli, Joshimath & Paudi. ▪ In Process of Applying for EC: Dineshpur, Roorkee. ▪ Applied for Authorization: Doiwala, Sitarganj, Purola, Duggada, Chinyalisaur, Dineshpur, Naugaon, Pipalkoti, Gauchar, Uttarakashi, Badrinath, Chamiyala, Gularbhoj, Augustmuni Lambgaon, Pirankaliyar, Ghansali, Mahuakhedaganj, Devprayag, Kirtinagar Gairsain, Barkot. ▪ Public Hearing for EC conducted – Pauri and Joshimath. (Current Physical & Financial Progress of ULBs annexed as Annexure-2)
No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills	▪ 02 Scientific Sanitary Landfill (Haridwar & Dehradun). ▪ Currently 61 ULBs have reported that legacy waste has been removed/ processed. For remaining 30 ULBs current status is given bellow: ▪ Total legacy waste estimated at 27 locations are 21.43 lakhs cubic meter, remaining 3 ULBs are in process of measurement. For 7 ULBs, quantity 19.45 lakh cubic meter costing Rs. 126.53 Cr. Population >1 lakh, proposal approved by SHPC on 19.02.2021 & sent to GoI, in principal approval given by GoI & total Rs. 48.78 lakhs (0.38%) released by GoI for these 8 sites of 7ULBs (Remediation work started at 3 sites- (Kotdwar, Kashipur & Rishikesh) sources from 3 ULBs out of above mentioned 8 dumpsites). Request vide letter no. 906/743/SBM /SWM/Li/Ve/2019-20 dt. 23.07.2021 sent to GoI for availing the 35% central share for the remediation of sites in ULBs having population more than 1 Lakh.

	▪ In 9 ULBs waste is being remediated from own sources of ULBs (Gochar, Rudarpur, Karnprayag, Muni ki Reti, Uttarkashi, Barkot, Mussorie Pithoragarh & Joshimath). ▪ In 5 ULBs Waste has DPR has been prepared & at different stages of evaluation Srinagar, Manglaur, Doiwala, Ramnagar and Khatima. ▪ Remaining 07 ULBs have measured the waste & are in process of DPR preparation. (Almora, Chamba, Gangolihat, Jhabreda, Berinag, Landhaura & PiranKaliyar). ▪ 02 ULBs are yet to measure waste quantity namely; Sitarganj and Purola. Progress- Approximately 1.05 lakh Tonns of waste has been remediated cumulatively from following sites viz. Rishikesh, Kotdwar, Uttarkashi, Rudarpur & Muni-ki-Reti.
No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	07 (Uttarakashi, Haldwani, Kotdwar, Doiwala, Shrinagar, Rishikesh & Purola), as informed respective by ULBs.
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 are total 181 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: Annexed as Annexure-3

- **Treatment and Disposal facility for SWM- Land Identification and Procurement status is as follows (for Total 91 ULBs):**
 - Procurement of land completed for 75 ULBs (9 Clusters serving 34 ULBs and 41 ULBs procured individually)
 - Land identified on rent basis: 6 ULBs land on rent (Nathuvawala Model: Ward No. 100 Dehradun).
 - 01 Cluster covering 2 ULBs have identified forest land.
 - 07 ULBs individually identified forest land.
 - 01 ULB individually identified revenue land.
- (75+6+9+1=91)**

5. Bio-medical Waste Management:

▪ Total Bio-medical generation	1690.87 TPA i.e 4.632 TPD (Year 2020).
▪ No. of Hospitals and Health Care Facilities	4442
▪ Status of Treatment Facilities/CBMWTF	Two CBMTF facilities are operational in the State with existing capacity of 1752 TPA i.e. 4.80 TPD. One more CBMWTF is proposed in Narendra Nagar for which EC has been granted by SEIAA.

[Handwritten signature]

The existing capacity of the common bio-medical waste treatment and disposal facilities (CBMWTF) is more than total waste generation in the State.

6. Hazardous Waste Management:

Total Hazardous Waste generation	22736.5 Tonnes (Year 2020-21)
No. of Industries generation Hazardous waste	4475
Treatment Capacity of all TSDFs	Incineration-12000 Tonnes Land filling-8000 Tonnes
Quantity of Hazardous waste reached the TSDFs and Treated (Year 2019-20)	23137.68 Tonnes (Year 2020-21) <i>Landfillable-2519.94 Tonnes</i> <i>Incinerable-4856.05 Tonnes</i> <i>Recyclable: 14423.72 Tonnes</i> <i>Co-processed: 1263.56 Tonnes (In Cement Kilns)</i> <i>Utilization: 74.41 Tonnes</i> <i>(Year 2020-21)</i> <i>(Including stored waste of year 2019-20 at occupier's premises)</i>
Details of on-going or proposed TSDF	Expansion of existing facilities are proposed.

The existing capacity of the common Hazardous Waste Treatment and Disposal Facilities (CHWTF) is more than total waste generation in the State.

7. Plastic Waste Management:

Total Plastic Waste generation	183000 MTPA (25000 MTPA by ULBs and 158000 MTPA plastic waste is collected and recycled by 34 Recyclers)
Treatment/Measures adopted for reduction or management of plastic waste	- Plastic Compactors- 56 installed (01 PC in Badrinath is damaged due to snowfall) - Revenue generated from the plastic compactors is Rs. 325.05 Lacs by selling 65.01 Lacs Tons till date FY 2018-2021.

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	Main Ganga Stream: Total 131 drains identified along the main stream of river Ganga. Out of 131

Handwritten signature/initials

contributing to river pollution and action as per NGT order on in situ treatment

drains, 128 drains have been tapped, remaining 03 drains of Joshimath to be tapped by March, 2022.

Dehradun: Total 177 nos small household drains has been sanctioned for I&D under Namami Gange Programme. Work is in progress and expected to be completed by March, 2022.

115 Nos. completed (123 Nos. drains tapped) at Rispana River & 85% I&D works completed at Bindal River.

Ramnagar: Total 06 nos. drains has been sanctioned under Namami Gange programme. All Nala have been tapped.

09 Polluted Stretches:

- A. I&D with STP (09 No.) works for 06 Nos. stretches (Bhela, Dhela, Kichha, Kosi, nandhore, Pilakhar in Kashipur Distt. Udham Singh Nagar) has been sanctioned vide letter no. 12011/9/19-O/o- Dir(T-III) NMCG dated 17th September 2021 amounting to Rs. 199.36 crore. Tender finalised & contract bond is under process.
- B. The polluting stretch Kalyani River (Kumaon), DPR is under preparation by UKPJN & consultant has been finalised. DPR expected to be submitted by Dec, 2021.
- C. The polluting stretch Suswa River (Dehradun) will be 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 (may be considered as model River)

Bio-remediation of drains – DPR of Rs. 2.59 Coroe 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.

1173

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 Chief of Secretary in the State/UT	04 Meetings held on dt. 10.02.2021, 04.03.2021, 09.07.2021, 15.11.2021.
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 of 09 polluted rivers is annexed as annexure-4 .
13.	Groundwater regulation	----
14.	Good irrigation practices being adopted by the State	Treated water of 27 & 68 MLD STPs at Jagjeetpur, Haridwar is already being reused for irrigation through Canal system constructed for this purpose. A part from this micro irrigation practices such as sprinkler irrigation is being adopted by the irrigation department.
15.	Rain Water Harvesting	----
16.	Demarcation of Floodplain and removal of illegal encroachments	09 polluted stretches: Out of 09 polluted river stretches, 05 are non-perennial, no flood zoning is required as per irrigation department. 01 Ganga River stretches Flood plain zoning has been notified. Rest of 03 rivers (Kosi, Suswa & Kichha/Gola) flood plain zoning has been initiated, which will be completed by July 2022.
17.	Maintaining minimum e-flow of river	Govt of Uttarakhand has directed to all Hydro Electric Projects Developer 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 monitoring agency for the compliance of minimum E-Flow in the State of Uttarakhand. Compliance status of e-flow maintained by Hydro-Electric project Developer is being attached herewith (Annexure-5).
18.	Plantation activities along the rivers	The Plantation activities are being carried out in the larger catchment area of Ganges all through the State of Uttarakhand. In Financial Year 2020-21, a total of 5181.64 ha and in 2021-22, till December, 2021 2663 ha of plantation activities had been completed under various schemes of Uttarakhand CAMPA. Under River rejuvenation programme, specifically 180000 plants and 47000 plants were planted in the

		catchment of Kosi river in 2018-19 and 2019-20 respectively. Further, 60000 plants have also been planted in the catchment of Shipra River in 2020-21. In addition, 83376 contour trenches, 1999 recharge ponds, 530 percolation tanks and 124 ha ANR activities have been carried out in catchment areas of various rivers and streams under the river rejuvenation programme in 2020-21. An amount of Rs. 600.00 Lakh has been released in 2021-22 to different divisions to take up river rejuvenation works in catchments of Kujgar, Raigar, gandak, garur ganga, Kalpeshwar, chhiddarwala, kho, malan, samkhal, sukhinadi, indravati nala etc. The catchment area treatment of 06 polluted rivers of Uttarakhand (namely Bhella, Dhella, Suswa, Pilakhar, Nandhour and Kalyani rivers) has been included in river rejuvenation programme of Uttarakhand CAMPA, under which catchment area treatment of Nandhaur and Dhela rivers has been carried out in Terai East, Haldwani and Corbett Tiger Reserve divisions in 2020-21. Under the same construction of crate wire wall (12 nos.), plantation of 4000 plants, 26 nos. spur, 142 no. of check dams, trench construction of 2000 m etc. were undertaken by the concerned divisions. For 2021-22, sanction of proposed amount under relevant head has been granted by the Executive Committee of the National CAMPA authority. Under the same a proposal worth Rs. 54.00 lakh was received by this office for treatment of Bhela and Dhela rivers in the segments falling in Terai West Forest Division which has recently been released to the forest division. Proposals for treatments of other rivers are also awaited from concerned divisions, the allotment of money to the divisions shall be subject to availability of funds in current financial year. Keeping the shortage of time in the current financial year, the proposals received towards the end of the year shall be included in the next year APO which is currently being finalized for the year 2022-23.
19.	Development of biodiversity park	-----
20.	Reuse of treated Water	Treated water of 27 & 68 MLD STPs at Jagjeetpur, Haridwar is already being reused in irrigation through Canal system constructed for this purpose. Proposal for STP located at Sarai is being submitted to Government for approval & sanction.
21.	Model River being adopted by the State & Action Proposed for	River Ganga from Haridwar to Sultanpur stretch has been identified as a model river for achieving the bathing quality standards. The model River

	achieving the bathing quality standards	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 Uttarakhand State.
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, Pocklane etc. for excavation of River Bed Material. Thus, excavation of RBM does not have any adverse effect on environment and ecology. Further, as per the existing mining policy 2016 mining activities are not permitted from 30th June onwards up to 30th September during the Monsoon season. Mining is also 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 25% 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. 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. To transport mineral from one place to another place a transit pass (rawana) is mandatory as per the relevant Rules. At every mine's entry and exit gate installation of CCTV camera and weigh bridges have been made compulsory. The State Government is also planning to inforce use of a vehicle tracking system on all the vehicles involved in transportation of minerals, so that the real time movement of vehicles can be tracked. Thus, the State Government is committed to ensure sustainable and scientific River Bed Mining in the State. The State Government recovered Rs 90.28 Crs as a penalty from 15,247 cases of illegal transportation/illegal mining/Storage from April 2018 to November, 2021.
24.	Action against identified polluters, Law violators and officers responsible for failure for vigorous monitoring	Uttarakhand Pollution Control Board has collected total 1.89 Crs from various defaulters /low violators as environment compensation from violators unit.

21/5.

Dt: 14.01.2022						
Status of SWM DPRs , Funds Disbursement & Physical Progress of Projects.						
S.No	Name of U.L.B	No of U.LBs	Centre Share Released to ULBs by UDD (Rs.In Lacs)	State Share released to ULBs(Rs.In Lacs)	Financial Progress (Centre Share Utilised by ULBs, Rs.In Lacs)	Physical Progress
1	Dehradun Cluster (Dehradun, Herbertpur, Vikasnagar, Mussoorie)	4	100	50	--	Plant Operational, Rs. 36.00 Cr, Rs. 28.80 CA and Rs. 7.20 Cr. By State under JnNURM.
2	Haridwar	1	300	--	--	Plant Operational, Funds of Rs. 932.00 lacs released under Special Plan Assistance, Rs. 300.00 Lacs under SBM
3	Haldwani(Bhimtal, Nainital, Bhowali, Kichha, Rudrapur & Lalkuan)	7	--	--	--	Funds of Rs. 1653.47 lacs released under SPA, Rs. 1744.00 Lacs released under UIDSMT, tender is in process after modification in RFPs as per decision of EFC meeting dt. 29 10 2021.
4	Karnaprayag	1	20.09	.....	10.29	Plastic Compactor & Pick up vehicle purchased
5	MunikiReti	1	71.25	172.31	71.25	Procured DTD & Collection Vehicle i.e., 03 no. Mini Tipper, 01 no. suction machine & Civil work done at site.
6	Gauchar	1	19.55	72.63	19.55	Procured bins, fluorescent Jackets, Rain Coats, Masks, Hand Bags for waste collection, Hand Push Cart, Twin Bin Civil work done in approach road & site development work done at site.
7	Uttarkashi, Gangotri	2	55.19	116.2035	--	--
8	Almora	1	61.08	204.1	61.08	Procured 01 no. hydraulic Dumper, Cleaning Equipments, Trommel belt conveyor and set up, Compactor Machine, 01 no. Pick-up tipper.
9	Joshimath	1	22.86	75.5	22.86	Procured 01 no. Hydraulic Pick-up, 01 no. Tata Ace. Constructed Compost Pits.
10	Pokhari	1	26	74.29	26	Procured 01 no Mahindra Dumper, 01 no. Compactor Machine, Civil work done for placing compactor. Civil work done at SWM site
11	Chamoli-Gopeshwar	1	25.33	75.5	25.33	Construction of Approach Road at Site, Procured 02 no. Bolero Pick-Up, 01 no. Mahindra Dumper

Dt: 14.01.2022						
Status of SWM DPRs , Funds Disbursement & Physical Progress of Projects.						
S.No	Name of ULB	No of ULBs	Centre Share Released to ULBs by UDD (Rs.In Lacs)	State Share released to ULBs(Rs.In Lacs)	Financial Progress (Centre Share Utilised by ULBs, Rs.In Lacs)	Physical Progress
12	Augustmuni	1	16.57	60.81	16.57	Procured 01 no. Tractor Trolley, 01 no. Compactor Constructed Compost Pits & MRF Shed.
13	Rudraprayag	1	19.6	72.81	--	Land was near to Ganga, new forest land identified, in process of transfer.
14	Kapkote	1	13.35	49.58	13.35	Civil Work done of retaining wall at SWM Site
15	Lohaghat	1	22.48	83.51	22.48	Prepare compost shed, recycle shed, civil work done in tipping area, concrete road construction.
16	Barkot	1	32.665	121.33	32.665	Procured 02 no. Pick-up & Wheel Barrow, Civil work of boundary wall done at SWM Site
17	Devprayag	1	21.395	79.47	21.395	RCC Safety wall work done at Site, Labelling work done at site, Civil work done on back side of site.
18	Kirtinagar	1	49.595	184.2	49.595	Construction of approach road at Site, construction of safety wall at site & site development work done, construction of safety wall along the damage side of approach road, road cutting work done at site.
19	Pauri	1	72.21	268.21	72.21	Procured following items 1. 01 no. tractor with trolley. 2. 11 no. wheel barrow. 3. 05 no. hopper tipper dumper. 4. 01 no. hopper three wheeler. 5. 250 no. dustbin & 20 pairs stainless steel bins. 6. 11 no. Janitorial Cart.
20	Mahuakheraganj	1	31.33	116.38	31.33	Procured following items 1. 02 no. Tata Ace 2. 09 no Wheel Barrow 3. 09 no. Push Cart Civil Work Done 1. Construction of Boundary Wall at site
21	Pithoragarh	1	0	414.04	0	Work order for Enviromental Clearance has been awarded.
22	Sitarganj	1	70.34	261.28	70.34	Procured trommel machine & CC work done for fixing of whole trommel set up.

Dt: 14.01.2022

Status of SWM DPRs , Funds Disbursement & Physical Progress of Projects.

S.No	Name of ULB	No of ULBs	Centre Share Released to ULBs by UDD (Rs.In Lacs)	State Share released to ULBs(Rs.In Lacs)	Financial Progress (Centre Share Utilised by ULBs, Rs.In Lacs)	Physical Progress
23	Badrinath	1	27.79	103.23	27.79	Procured 02 no. Pick-up, 01 no. tractor with trolley, 01 no. wheel barrow
24	Tehri-Chamba	2	117.2	372.61	117.2	Procured 04 no. Pick-up with tipper & civil work done at SWM Site, environmental NOC & contingency work done.
25	Srinagar	1	124.07	460.82		EIA process has been
26	Naugaon	1	45.085	167.44	31.13	07 No. of Wheel Barrow, 01 No. of Tractor with Trolley, 01 No. of four wheeler vehicle with tipping procured. 3.5 m wide road of 200 m length & RR wall has been constructed
27	Ramnagar	1	89.8835	333.85	--	--EIA rejected by SEIAA
28	Nanakmatta	1	41.5765	154.427	41.5765	Procured following items 1. 07 no. Wheel Barrow 2. 07 no. Push Cart 3. 01 no. Tata Ace Auto Tipper 4. 01 no. Mahindra Bolero Pick-up 5. 01 no. hydraulic Kettle Catcher 6. 500 no. fibre dustbins (12ltr each) 7. 50 no. wheel mounted mattle frame fibre dustbin (120 ltr each) 8. 25 no. pole mounted fibre dustbin (50 ltr each)
29	Piran Kaliyar	1	52.703	195.754	46.49	Door to Door collection vehicle Tipper Truck & Auto -Tipper procured along with Animal Catcher Vehicle
30	Kaladhungi	1	17.584	45.216	17.584	Procured following items 1. 01 no. Mahindra Chassis mounted tipper hopper 2. 01 no. Tata Ace Gold Chassis mounted tipper hopper
31	Shaktigarh	1	16.82	62.46	16.82	Bolero tipper, sewer tanker
32	Chamiyala	1	17.945	46.143	--	--
33	Ghansali	1	20.1	51.6825	--	--
34	Dwarahat	1	14.72	54.68	12.35	Mahindra Pickup van
35	Tharali	1	20.715	53.2665	--	--
36	Dugadda	1	10.65	39.57	9.68	04 Wheel Barrow & 01 Dumper Placer procured.
37	Tilwara	1	11.015	40.9	--	--

Dt: 14.01.2022						
Status of SWM DPRs , Funds Disbursement & Physical Progress of Projects.						
S.No	Name of ULB	No of ULBs	Centre Share Released to ULBs by UDD (Rs.In Lacs)	State Share released to ULBs(Rs.In Lacs)	Financial Progress (Centre Share Utilised by ULBs, Rs.In Lacs)	Physical Progress
38	Nandprayag	1	16.4745	61.191	21	1 No. of Plastic compactor, 1 No. of Tractor with Trolley, 1 No. of Pickup Van & 1 No. Of Dustbin has been procured.
39	Ranikhet-Chiliyanaula	1	29.9475	77.0085	--	--
40	Gangolihat	1	14.5845	53.976	--	--
41	Gadarpur Cluster (Gadarpur, Bazpur, Kelakhera, Sultanpur)	4	0	539.47	0	Previous identified land, some more details required, land transfer awaited from Panchayati Raj vibhag.
42	Gairsain	1	33.395	85.8735	11.7	1 No. of Auto - Tipper truck procured
43	Ukhimath	1	29.344	75.456	16	1 No. of Plastic Compactor & 1 No. of Auto Tipper procured.
44	Bhikiyasain	1	21.8295	56.133	5.3	Electric weigh balance machine, Bag sealing for compost, Plastic Compactor, Public place 50 L mounted Dustbin procured
45	Champawat	1	86.0125	221.175	0	--
46	Didihat	1	41.221	105.9975	0	Land not finalised & DTD vehicles are sufficient currently.
47	Satpuli	1	18.6585	47.979	0	Tractor purchased.
48	Dharchula	1	32.4625	83.475	0	--
49	Gaja	1	14.929	55.452		Land identification issue, previously identified land was on lease for 10 yrs, since the design period of proposed plant is more than 15 yrs, new land is being identified.
50	Lamb Gaon	1	16.1805	60.099	12.83	1 No. of Tractor & 1 No. of Pickup vehicle procured
51	Tanakpur, Banbasa	2	73.79	211.473	0	Forest land transfer is in process, Currently ULB has sufficient vehicle for DTD Collection.
52	Chinyalisaur	1	31.885	81.99	0	
53	Kotdwar	1	0	445.23	0	Work Order for EC process has been awarded.
54	Bageshwar	1	17.8	195.47	0	--
55	Kashipur Cluster (Kashipur, Jaspur, Mahuadabra)	3	20	571.96	0	--
56	Pipalkoti	1	25.09	80.98	0	--
57	Berinag	1	24.76	76.11	0	--
58	Dineshpur, Gularbhoj	2	69.205	220.05	6.72	DTD Vehilce - 01 Tata Ace, 09 Wheel Barrows procured
59	Purola	1	31.835	77.86	0	--

Dt: 14.01.2022

Status of SWM DPRs , Funds Disbursement & Physical Progress of Projects.

S.No	Name of ULB	No of ULBs	Centre Share Released to ULBs by UDD (Rs.In Lacs)	State Share released to ULBs(Rs.In Lacs)	Financial Progress (Centre Share Utilised by ULBs, Rs.In Lacs)	Physical Progress
60	Roorkee Cluster (Roorkee, Manglaur, landaura, bhagwanpur, jhabreda & laksar)	6		0	0	Rs. 797.805 lacs , GO issued by GoUK on 07.01.2022, yet to be transferred to ULB
61	Rishikesh Cluster (Rishikesh, Narendernagar, Doiwala, Swargashram Jonk)	4		0	0	Rs. 573.115 lacs , GO issued by GoUK on 07.01.2022, yet to be transferred to ULB
62	Khatima	1		0	0	Rs.100.00 lacs, GO issued by GoUK on 07.01.2022, yet to be transferred to ULB.
Total	62 DPRS	88	2328.146	8218.611	960.4655	

DPR Status for 91 ULBs

S.No	List No	Current Status	Total DPRs	No. of ULBs
1	1.1	DPR Approved & Plant Functional	02	05
2	1.2	DPRs approved & funds are disbursed	57	72
3	1.3	DPRs approved & funds disbursed by GoUK, yet to be transferred to ULB	03	11
4	1.4	DPRs at different stages of approval	03	03
Total			65	91

For newly formed 09 ULBs , to be considered in SBM 2.0 .

List of ULBs where SWM plants are functional (02/05)

S.No	Name of the ULBs	Project Cost (Lakhs)	Fund Released by Gol (Lakhs)	Fund released by State (Lakhs)
1	Dehradun (Mussoorie, Herbertpur and Vikasnagar)	3600	100	....
2	Haridwar	1934.18	300	....

Total Approved DPR – (List 1.2 + List 1.3 = 60DPRS (57+3) for 83 ULBs (72 + 11)

List 1.2: List of ULBs where DPRs have been approved and funds are disbursed (57/72)

S.No	Name of the ULBs	Project Cost (Lakhs)	Fund Released by Gol (Lakhs)	Fund released by State (Lakhs)
1	Karnprayag	125.83	20.09	....
2	Munikireti	365.90	71.25	172.31
3	Gauchar	130.73	19.55	72.63
4	Almora	364.84	61.08	204.1
5	Joshimath	130.59	22.86	75.5
6	Pokhari	114.3	26	74.29
7	Chamoli-Gopeshwar	145.08	25.33	75.5
8	Augustmuni	97.53	16.57	60.81
9	Rudraprayag	133.62	19.6	72.81
10	Kapkot	78.66	13.35	49.58
11	Lohaghat	132.13	22.48	83.51
12	Badkot	186.66	32.665	121.33
13	Devprayag	122.26	21.395	79.47
14	Kirtinagar	283.39	49.595	184.2
15	Pauri	412.63	72.21	268.21
16	Mahuakhedaganj	179.04	31.33	116.81
17	Sitarganj	401.97	70.34	261.28
18	Badrinath	158.81	27.79	103.23
19	Tehri -Chamba Cluster	573.24	117.2	372.61
20	Naugaon	257.61	45.085	167.44
21	Nankmatta	237.58	41.5765	154.427
22	Srinagar	708.96	124.06	460.82
23	PiranKilyar	301.16	52.70	195.754
24	Dwarahat	84.12	14.72	...
25	Gaja	85.31	14.7	55.452
26	Lambgaon	92.46	16.1	60.099
27	Nandprayag	94.14	16.4	61.191
28	Chinalisaur	182.2	31.88	81.99
29	Ghansali	114.85	20.1	51.6825
30	Uttarkashi, Gangotri	258.23	45.19	116.2035
31	Kaladungi	100.48	17.58	45.216
32	Ranikhet	171.93	29.94	....
33	Gairsain	190.83	33.39	85.8735
34	Didihat	235.55	41.22	105.9975
35	Tharali	118.37	20.715	53.2665
36	Tilwara	62.93	11.015	40.900
37	Ukhimath	167.48	29.34	75.456
38	Bhikisain	124.74	21.82	....
39	Dugadda	60.87	10.65	39.57
40	Tanakpur-Banbasa	469.94	73.79	211.473
41	Satpuli	106.62	18.6585	47.979
42	Shaktigarh	96.10	16.82	62.46

43	Dharchula			
44	Chamiyala	185.50	32.4625	83.475
45	Gangolihat	102.54	17.945	46.143
46	Champawat	83.04	14.585	53.976
47	Purola	491.5	86.01	221.175
48	Dineshpur-Gularbojh	161.9	24.835	77.86
49	Berinag	395.46	69.205	220.05
50	Bageshwar	141.48	24.76	76.11
51	Pipalkoti	300.72	17.80	195.47
		143.37	25.09	80.98
52	Haldwani(Bhimtal, Nainital, Bhowali, Kichha, Rudrapur & Lalkuan)	3397.49	1653.49	....
53	Pithoragarh	636.99		414.04
54	Ramnagar	513.62	89.8835	333.85
55	Gadarpur Cluster(Kelakheda, Sultanpur, Bazpur)	1348.69	236.02	539.47
56	Kashipur (Jaspur, Mahuadabra)	1429.89	240.23 (earlier released 20 lakhs)	571.96
57	Kotdwar	1369.95	472.38	

List 1.3

ULBs in which DPRs approved , GO for fund transfer done by GoUK, yet to be disbursed to ULBs. (03/11)

S.No	Name of the ULBs	Project Cost (Lakhs)	Fund Released by Gol (Lakhs)	Fund released by State (Lakhs)
1	Rishikesh Cluster (Rishikesh ,Narendernagar, Doiwala, Swargashram Jonk)	3324.19	1146.23 (573.115 lacs GO issued by GoUK on 07.01.2022, yet to be transferred to ULB)	....
2	Khatima	658.36	115.213 (100.00 lacs GO issued by GoUK on 07.01.2022, yet to be transferred to ULB)	....
3	Roorkee Cluster (Roorkee , Manglaur, landaura, bhagwanpur, jhabreda & laksar)	4627.41	1595.61 (797.805 lacs GO issued by GoUK on 07.01.2022, yet to be transferred to ULB)	....

List 1.4List of ULBs /DPRs at different stages of approval (03/03)

S.No	Name of the ULBs	Project Cost (Lakhs)	Fund Released by Gol (Lakhs)	Fund released by State (Lakhs)
1	Chaukhutia	80.47	....	....
2	Kedarnath	229	....	....
3	Shivalik Nagar	240	....	....

Annexure -3

SWM Data for Month of December, 2021							
S.N.	District	ULBName	Total Wards	Wards with 100% D2D Collection	Wards with 100% Source segregation	Daily Waste Generation(TPD)	Daily Waste Processing(TPD)
1	ALMORA	DWARHAT	4	4	4	1.45	1.45
2	ALMORA	ALMORA	13	13	13	7.74	7.74
3	ALMORA	RANIKHET-CHILLYANAULA	7	7	7	3.87	3.87
4	ALMORA	BHIKYASAIN	4	4	4	2.00	1.99
5	ALMORA	CHAWKHUTTYA	4	4	0	0.00	0.00
6	BAGESHWAR	BAGESHWAR	11	11	11	7.26	6.58
7	BAGESHWAR	KAPKOT	7	7	7	2.00	1.48
8	CHAMOLI GOPESHWAR	BADRINATH	4	4	4	0.00	0.00
9	CHAMOLI GOPESHWAR	JOSHIMATH	9	9	9	2.13	2.13
10	CHAMOLI GOPESHWAR	CHAMOLI-GOPESHWAR	11	11	11	5.00	4.00
11	CHAMOLI GOPESHWAR	NANDPRAYAG	4	4	4	0.50	0.30
12	CHAMOLI GOPESHWAR	GAUCHAR	7	7	7	5.13	3.74
13	CHAMOLI GOPESHWAR	KARNAPRAYAG	7	7	7	4.20	3.20
14	CHAMOLI GOPESHWAR	GAIRSAIN	7	7	7	1.00	1.00
15	CHAMOLI GOPESHWAR	POKHARI	7	7	7	2.00	2.00
16	CHAMOLI GOPESHWAR	THARALI	4	4	4	0.19	0.00
17	CHAMOLI GOPESHWAR	PIPALKOTI	4	4	4	0.48	0.00
18	CHAMPAWAT	CHAMPAWAT	9	9	9	4.84	0.00
19	CHAMPAWAT	LOHAGHAT	7	7	7	2.58	0.00
20	CHAMPAWAT	TANAKPUR	11	11	5	5.32	0.00
21	CHAMPAWAT	BANBASA	7	7	7	3.39	0.00
22	DEHRADUN	VIKASNAGAR	11	11	11	0.00	0.00
23	DEHRADUN	HERBERTPUR	9	9	9	0.00	0.00
24	DEHRADUN	MUSOORIE	13	13	13	14.38	38.12
25	DEHRADUN	DEHRADUN	100	100	100	394.61	394.61
26	DEHRADUN	DOIWALA	20	20	20	30.00	30.00
27	DEHRADUN	RISHIKESH	40	40	40	77.42	26.29
28	DEHRADUN	SELAQUI (CENTRAL HOPETOWN)	9	9	9	7.00	7.00
29	HARDWAR	ROORKEE (NN)	40	40	40	104.00	104.00
30	HARDWAR	JHABRERA	9	9	9	9.19	0.00
31	HARDWAR	MANGLAUR	20	20	13	16.00	0.00
32	HARDWAR	LANDHAURA	9	9	9	6.77	0.00
33	HARDWAR	HARDWAR	60	60	60	156.97	156.97
34	HARDWAR	LAKSAR	11	11	11	5.32	5.32
35	HARDWAR	SHIVALIK NAGAR	13	13	13	9.68	4.90
36	HARDWAR	BHAGWANPUR	9	9	9	8.71	0.00
37	HARDWAR	PIRAN KALIYAR	9	9	9	7.00	2.00
38	NAINITAL	NAINITAL	15	15	15	14.52	0.00
39	NAINITAL	BHOWALI	7	7	7	2.00	2.00
40	NAINITAL	BHIMTAL	9	9	9	2.25	2.25
41	NAINITAL	HALDWANI	60	60	60	120.00	0.00
42	NAINITAL	RAMNAGAR U	20	20	20	12.83	9.83

SWM Data for Month of December, 2021							
S.N.	District	ULBName	Total Wards	Wards with 100% D2D Collection	Wards with 100% Source segregation	Daily Waste Generation(TPD)	Daily Waste Processing(TPD)
43	NAINITAL	KALADHUNGI	7	7	7	3.69	3.69
44	NAINITAL	LALKUAN	7	7	7	3.10	0.00
45	PAURI GARHWAL	SRINAGAR	13	13	13	10.00	8.58
46	PAURI GARHWAL	PAURI	11	11	11	3.87	0.00
47	PAURI GARHWAL	DOGADDA	4	4	4	8.19	0.00
48	PAURI GARHWAL	KOTDWARA	40	40	40	58.06	80.32
49	PAURI GARHWAL	SWARGASHRAM	4	4	4	1.61	0.00
50	PAURI GARHWAL	SATPULI	4	4	4	0.15	0.00
51	PITHORAGARH	DHARCHULA	7	7	0	3.80	0.00
52	PITHORAGARH	DIDIHAT	7	7	0	2.97	0.00
53	PITHORAGARH	PITHORAGARH	20	20	2	26.13	0.00
54	PITHORAGARH	GANGOLIHAT	7	7	7	0.32	0.00
55	PITHORAGARH	BERINAG	7	7	7	1.45	0.00
56	RUDRAPRAYAG	KEDARNATH	1	1	1	0.00	0.00
57	RUDRAPRAYAG	RUDRAPRAYAG	7	7	7	3.20	3.20
58	RUDRAPRAYAG	UKHIMATH	4	4	4	0.25	0.22
59	RUDRAPRAYAG	AUGUSTMUNI	7	7	7	2.12	2.69
60	RUDRAPRAYAG	TILWARA	4	4	4	0.52	0.00
61	TEHRI	KIRTINAGAR	4	4	4	1.30	0.97
62	TEHRI	DEVAPRAYAG	4	4	4	6.42	6.29
63	TEHRI	TEHRI	11	11	11	9.60	9.60
64	TEHRI	CHAMBA U	9	9	9	3.87	4.01
65	TEHRI	NARENDRA NAGAR	7	7	7	1.16	1.16
66	TEHRI	MUNI-KI-RETI	11	11	11	13.71	14.70
67	TEHRI	GHANSALI	7	7	7	1.53	1.53
68	TEHRI	LAMB GAON	4	4	4	0.77	0.00
69	TEHRI	GAJA	4	4	4	1.00	1.00
70	TEHRI	CHAMITYALA	7	7	7	2.00	0.50
71	UDHAMSINGH NAGAR	KASHIPUR	40	40	25	53.00	22.53
72	UDHAMSINGH NAGAR	MAHUA KHERAGANJ	9	9	0	2.09	2.09
73	UDHAMSINGH NAGAR	MAHUADABRA	7	7	7	1.94	0.00
74	UDHAMSINGH NAGAR	JASPUR	20	20	12	24.19	0.00
75	UDHAMSINGH NAGAR	SULTANPUR U	7	7	7	4.00	0.00
76	UDHAMSINGH NAGAR	BAZPUR	13	13	13	10.65	0.00
77	UDHAMSINGH NAGAR	KELA KHERA	9	9	9	4.52	0.00
78	UDHAMSINGH NAGAR	RUDRAPUR	40	40	36	62.52	0.74
79	UDHAMSINGH NAGAR	KICHIHA	20	20	15	25.00	0.00
80	UDHAMSINGH NAGAR	GADARPUR	11	11	11	16.00	7.00
81	UDHAMSINGH NAGAR	DINESHPUR	9	9	9	4.50	7.42
82	UDHAMSINGH NAGAR	SHAKTIGARH	7	7	7	1.65	0.97
83	UDHAMSINGH NAGAR	SITARGANJ	13	13	13	19.00	0.00
84	UDHAMSINGH NAGAR	KHATIMA	20	20	0	27.97	0.00
85	UDHAMSINGH NAGAR	NANAKAMITTA	7	7	7	4.03	0.00
86	UDHAMSINGH NAGAR	GULARBHOJ	7	7	7	2.52	2.23
87	UDHAMSINGH NAGAR	BARKOT (NPP)	7	7	7	2.52	1.97
88	UTTARKASHI	BARAHAT UTTARKASHI	11	11	11	10.00	8.00
89	UTTARKASHI	GANGOTRIDHAM	4	4	4	0.00	0.00
90	UTTARKASHI	PUROLA	7	7	7	2.42	1.77
91	UTTARKASHI	CHIMYALISAUR	7	7	7	2.48	1.94
92	UTTARKASHI	NAUGAON	7	7	7	2.00	0.97
			1152	1152	1031	1513.53	1018.87

Surface Water Quality of 09 polluted river stretches for the month of December, 2021

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	14.12.2021	US	Dhella Bridge, Kashipur, Bhelijudi	29°13'12" N -78°56'42" E	7.3	4.0	8.0	32	370	247.9	58	430	210
		14.12.2021	DS	Gehruwala Village Pratappur	29°08'30" N -78°05'20" E	6.8	3.1	18.6	186	696	466.3	80	920	430
2	Bhella	14.12.2021	US	Bahella Bridge, Kashipur	29°16'43" N -79°01'19" E	7.2	3.8	11.4	34.2	300	201	58	540	430
		14.12.2021	DS	Bahella River rajpura tanda	29°07'45" N -78°59'03" E	6.9	2.4	16.8	170	702	470.3	82	540	350
3	Kichha	16.12.2021	US	Main Road Kichha	28°57'43" N -79°32'17" E	7.0	4.5	8.0	28	918	615	70	350	170
		16.12.2021	DS	Kichha Bridge	29°52'59" N -79°30'56" E	7.3	5.4	6.5	22.7	1050	703	62	920	540
4	Suswa	10.12.2021	US	Mothrawala	30°13'59" N -78°01'48" E	6.91	2.4	25	76	724	480	-	≥1600	≥1600
		09.12.2021	DS	Barafutta	30°8'19.9" N -78°7'49.8" E	7.8	6.8	1.4	6.0	300	198	-	70	46
5	Kalyani	16.12.2021	US	Pantnagar Ind. Area Rudrapur	29°01'44" N -79°24'28" E	7.2	4.0	10	32	556	372.5	70	280	150
		16.12.2021	DS	Rampura ground Rudrapur	28°57'52" N -79°24'08" E	6.8	1.9	26.4	210.9	1200	804	120	430	220
6	Kosi	14.12.2021	US	Bajpur bridge Sultanpur patti	28°09'32" N -79°02'19" E	7.3	6.3	5.0	20	490	328	70	170	84
		14.12.2021	DS	Bypass bridge pattikalan	29°04'31" N -79°02'24" E	7.5	6.1	5.2	26	518	347	74	210	94
7	Pilakhar	16.12.2021	US	Bajpur	29°10'21" N -79°08'44" E	7.0	5.0	9.0	22.5	426	285	50	210	120
		16.12.2021	DS	Rampur (U.P.)	29°12'12" N -78°58'42" E	7.3	4.8	12	30	448	300	52	430	280
8	Nandhour	16.12.2021	US	Sitarganj	29°04'36" N -79°41'36" E	7.2	6.2	3.8	12.7	422	282.7	48	210	84
		16.12.2021	DS	Nandhor Bridge, Sitarganj	28°55'149" N -79°44'38" E	7.4	5.8	4.0	20	360	241.2	56	280	170
9	Ganga	01.12.2021	US	Bindughat Dudhiyaban	29.970608°N- 78.183854°E	8.30	9.9	1.0	4.0	279	179	-	79	49
		01.12.2021	DS	Sultanpur	29.699043°N -78.166559°E	8.10	10.0	2.4	8.0	290	186	-	84	46

Chuma

Status of release of E-flow as per NGT order dated 09.08.2017 from the Small Hydro projects (<25 MW) situated in the river/tributary Ganga & other river basin in the State of Uttarakhand (October 2021 to December 2021)

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	Loharkhet	4.8	Bageshwar	Parvatiya Power	Oct-21	Minimum 15% of Average Lean Season flow	1.47	2.51	170.75%	
					Nov-21		1.47	0.40	27.21%	
					Dec-21		1.47	0.22	15.03%	
2	Gangani	8	Uttarakashi	Regency Gangani Energy	Oct-21	Minimum 15% of Average Lean Season flow	5.10	2.18	42.75%	
					Nov-21		5.10	1.85	36.27%	
					Dec-21		5.10	0.85	16.67%	
3	Badyar	4.9	Uttarakashi	Regency Yamuna Energy	Oct-21	Minimum 15% of Average Lean Season flow	1.30	0.70	53.85%	
					Nov-21		1.30	0.55	42.31%	
					Dec-21		1.30	0.23	17.69%	
4	Sarju-II	15	Bageshwar	Uttar Bharat Hydro	Oct-21	Minimum 15% of Average Lean Season flow	2.01	0.31	15.42%	
					Nov-21		2.01	0.31	15.42%	
					Dec-21		2.01	0.31	15.42%	
5	Sarju-III	10.5	Bageshwar	Uttar Bharat Hydro	Oct-21	Minimum 15% of Average Lean Season flow	4.06	0.63	15.52%	
					Nov-21		4.06	0.63	15.52%	
					Dec-21		4.06	0.63	15.52%	
6	Motghat	5	Pithoragarh	Himalya Hydro (P) Ltd	Oct-21	Minimum 15% of Average Lean Season flow	2.00	3.00	150.00%	
					Nov-21		2.00	2.03	101.50%	
					Dec-21		3.04	0.62	20.39%	
7	Tunga	5	Pithoragarh	Himalya Hydro (P) Ltd.	Oct-21	Minimum 15% of Average Lean Season flow	2.00	3.00	150.00%	
					Nov-21		3.05	2.03	66.56%	
					Dec-21		3.04	0.62	20.39%	
8	Gialogi SHP	3.5 MW	Dehradun	UJVNL	Oct-21	Minimum 15% of Average Lean Season flow	0.50	0.10	20.00%	
					Nov-21		0.40	0.08	20.00%	
					Dec-21		0.36	0.07	19.44%	
9	Ram Prasad Nautiyal, Dunsan SHP	1.5 MW	Pauri Garhwal	UJVNL	Oct-21	Minimum 15% of Average Lean Season flow	6.41	6.41	100.00%	
					Nov-21		2.86	2.86	100.00%	
					Dec-21		1.86	1.86	100.00%	
10	Rajenati	3.6	Chamoli	Hun Urja	Oct-21	Minimum 15% of Average Lean Season flow	60.53	52.14	86.14%	
					Nov-21		34.22	24.94	72.88%	
					Dec-21		18.49	10.78	58.30%	
11	Vanshi	15	Chamoli	Hun Urja	Oct-21	Minimum 15% of Average Lean Season flow	43.52	34.35	78.93%	
					Nov-21		25.17	15.61	62.02%	
					Dec-21		13.12	7.02	53.51%	
12	Debol	5	Chamoli	Chamoli Hydro	Oct-21	Minimum 15% of Average Lean Season flow	2.50	17.33	693.20%	
					Nov-21		2.50	2.38	95.20%	
					Dec-21		2.50	1.74	69.60%	
13	Agunda Thali	3	Tehri	Gunsola Hydro	Oct-21	Minimum 15% of Average Lean Season flow	8.17	1.23	15.06%	
					Nov-21		6.22	0.94	15.11%	
					Dec-21		3.80	0.57	15.11%	
14	Bhalangana-I	22.5	Tehri	Swasti Power	Oct-21	Minimum 15% of Average Lean Season flow	11.05	10.45	94.57%	
					Nov-21		11.05	2.89	26.15%	
					Dec-21		11.05	2.28	20.63%	
15	Bhalangana-III	24	Tehri	Bhalangana Hydro Power	Oct-21	Minimum 15% of Average Lean Season flow	4.46	11.55	258.97%	
					Nov-21		9.30	1.86	20.00%	
					Dec-21		4.94	0.99	20.04%	
16	Bishiganga	7.2	Chamoli	Bishiganga Hydro Power	Oct-21	Minimum 15% of Average Lean Season flow	2.70	3.60	133.33%	
					Nov-21		2.70	0.96	35.56%	
					Dec-21		2.70	0.51	18.89%	
17	Patalgand SHP	2.25	Uttarakashi	UJVNL	Oct-21	Minimum 15% of Average Lean Season flow	2.28	1.40	61.40%	
					Nov-21		2.10	1.07	50.95%	
					Dec-21		2.13	1.21	56.81%	
18	Urgan SHP	3	Chamoli	UJVNL	Oct-21	Minimum 15% of Average Lean Season flow	8.65	8.20	94.80%	
					Nov-21		3.57	3.57	100.00%	
					Dec-21		2.59	2.04	78.57%	
19	Kaliganga-I SHP	4	Rudrapur	UJVNL	Oct-21	Minimum 15% of Average Lean Season flow	3.94	0.95	24.11%	
					Nov-21		2.35	0.49	20.85%	
					Dec-21		1.41	0.31	21.99%	

* 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 Sam 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 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 Hydro projects (> 25 MW)
situated in the river/tributary other than Ganga river basin in the State of Uttarakhand
(October 2021 to December 2021)**

S.No	Name of Hydro Power Project	Capacity (MW)	District	Developer	Months	E-Flow Norms*	Compliance of e-flow notification			
							Average lean season flow (Cumecs)	E-Flow Released (Cumecs)	% of E-Flow released	Remark
1	Dhauliganga HEP	280	Pithoragarh	NHPC	Oct-21	Minimum 15% of Average Lean Season flow	4.00	32.67	816.75%	
					Nov-21		4.00	4.37	109.25%	
					Dec-21		4.00	4.41	110.25%	
2	Tanakpur	120	Champawat	NHPC	Oct-21	Minimum 15% of Average Lean Season flow	164.00	1171.12	714.10%	
					Nov-21		164.00	38.83	23.68%	
					Dec-21		164.00	25.00	15.24%	
3	Dakpathar Barrage (Dhalipur + Dhakrani)	(51 + 33.75)	Dehradun	UJVNL	Oct-21	Minimum 15% of Average Lean Season flow	96.80	31.77	32.82%	
					Nov-21		96.80	14.59	15.07%	
					Dec-21		96.80	14.84	15.33%	
4	Kulhal	30	Dehradun	UJVNL	Oct-21	Minimum 15% of Average Lean Season flow	13.03	11.28	86.56%	
					Nov-21		13.03	2.66	20.41%	
					Dec-21		13.03	2.77	21.26%	
5	Ichadi Dam (Chibro + Khodri)	(240 + 120)	Dehradun	UJVNL	Oct-21	Minimum 15% of Average Lean Season flow	55.82	9.77	17.50%	
					Nov-21		55.82	9.57	17.14%	
					Dec-21		55.82	9.38	16.80%	

* As per Hon'ble National Green Tribunal (NGT) order dated 09.08.2017 in Original Application no. 498 of 2015 (M.A No. 628/2016) Pushp Saini Vs MoEF&CC, GoI and others, Government of Uttarakhand vide order dated 05.06.2018 directed all the hydro project developers in the State of Uttarakhand to release minimum e-flow of 15% of the average lean season flow of that river from their projects.

* 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