HEAD OFFICE
Uttarakhand Pollution Control Board
"Gaura Devi Paryavaran Bhawan"
46-B, IT Park, Sahastradhara Road, Dehradun (Uttarakhand)
Web: www.ueppcb.uk.gov.in. E-mail: msukpcb@yahoo.com

Ref: UKPCB/HO/Gen-476(Vol. III/2022/ 1801 Dehradun, March 14 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 Dhyanchandd National Stadium
India Gate, New Delhi-110002.

Sub: Monthly Progress Report of January, 2022 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 January, 2021 along with annexures, 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
January, 2022

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	**64** (+ 01 STP is under trial & testing)
No. of Non-Operational STPs	**01** 1. 0.075 MLD STP at Rudraprayag (Near Anoop Negi School) 2. 0.075 MLD STP at Devprayag
No. of Complying STP's	As per standards notified by MoEF& CC: - **59** As per standards prescribed by the Hon'ble NGT order dated 30.04.2019: - **51** (Out of 60 operational STPs, monitoring of following 04 STPs could not be done due to seasonal closure: (i) 0.26 MLD STP at Badrinath (Bamni Gaon) Chamoli. (ii) 0.01 MLD STP at Badrinath (Near Temple) Chamoli. (iii) 1.00 MLD STP at Badrinath (Near Suspension Bridge) Chamoli.

	(iv) 1.00 MLD STP at 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: **09**

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 January, 2022.

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 Upadhayay	1.12	0.075	Operational	Complying	Complying

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
	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	Complying	Complying
17	Rudraprayag (Near Anoop Negi School), Distt. - Rudraprayag	0.075	0.075	Due to heavy landslides on dt 10.09.2021 nala tapping works and STP foundation damaged, so as precautionary measures all equipment were dismantled from STP. DPR for restoration work has been submitted to NMCG. Approval is awaited.		
18	Rudraprayag (Near Rudra Complex), Distt-Rudraprayag	0.10	0.08	Operational	Complying	Complying
19	Rudraprayag (Near Bus Stand)	0.075	0.075	Operational	Complying	Complying

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
	Distt.-Rudraprayag					
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) Distt-Rudraprayag	0.05	0.025	Operational	Complying	Complying
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	Due to cloud burst on dt. 11.05.2021, the trunk sewer line damaged, so sewage not reaching to the STP.		
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)	1.00	0.50	Operational	Complying	Complying

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
	Distt.-Pauri					
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	Jagjeetpur, Haridwar Distt.-Haridwar	27.00	27.00	Operational	Complying	Complying
41	Jagjeetpur, Haridwar Distt.-Haridwar	18.00	18.00	Operational	Complying	Non-Complying
42	Jagjeetpur, Haridwar Distt.-Haridwar	68.00	45.02	Operational	Complying	Complying
43	Sarai (I), Haridwar Distt.-Haridwar	18.00	18.00	Operational	Complying	Complying
44	Sarai (II), Haridwar Distt.-Haridwar	14.00	13.02	Operational	Complying	Complying
45	Saliyar, Roorkee Distt.-Haridwar	33.00	20.00	Operational	Complying	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

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
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

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
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	**28%**	Sewer lines already laid in 13th Finance Programme.	March, 2022
2	Marwari, Joshimath Distt. -Chamoli	2.70	**30 %**	-	March,2022
3	Haldwani (Indira Nagar) Distt. -Nainital	28.00	**75%**	Sewer line is already laid/is being laid in AMRUT Programme	March, 2022.
4	Kashipur Distt. -US Nagar	18.00	**75 %**	-	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 Distt. U.S. Nagar (Proposed under River Rejuvenation of Dhella)	10.00	Work started		
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 (Prposed under River Rejuvenation of Bhella)	1.00			

No.	Location	Capacity of the plant in MLD	Physical progress in %	Status of I & D or House sewer connections	Completion Timeline
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 finalised.	

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
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. I&D with 09 no. STP works for 06 stretches (Bhela, Dhela, Kichha, Kosi, Nandhore, Pilkhar and 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. Work started on dated 07-01-2022. Design & drawing work is 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	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 CETP:** 1. Sitarganj: Proposed Capacity - 8 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	All 03 operational CETPs are complying with the environment 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 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	One existing CETP with 4.0 MLD Capacity operational complying to the norms.

			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.	
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	1493.59 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. ▪ **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 is being revised and is Rishikesh RFP is in process of approval.** ▪ 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. **For Haridwar MRF**- Tender award is in final process. by 15th March 2022, work is to be started. **For Rishikesh MRF** – It is to be developed land allotted for SWM Processing & Disposal Plant of Rishikesh Cluster. Tender is to be invited.

	▪ 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 of compacted plastics/ bails till date (Period of revenue collection- 2018-2021). Total Capacity of Compactor is 280 Tonnes.
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 Capacity- 400 TPD Daily Solid Waste Collected – 384.25 TPD Daily Waste Processed- 384.25 TPD (100%) **Haridwar:** Plant Capacity- 150TPD Daily Solid Waste Collected – 151.94 TPD Daily Waste Processed- 151.94 TPD
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 Collecton-1152. Source Segregation-1055 (91.6%)
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	

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, in process to transfer funds to ULB.	03	11
	DPRs at different stages of approval	03	03
	Total	65	91
	Collection & Transportation Vehicles have been purchased by ULBs in initial phase to implement 100% Door to Door Collection & 100 % Source Segregation. ULBs are in process of obtaining Environmental Clearance & Consent to Establish, as construction is proposed after obtaining EC/CTE from Competent Authority. Status is as below: - Authorization/Environmental Clearance status: ▪ EC Obtained – Dehradun, 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. ▪ Final EIA report submitted: Pauri (Current Physical & Financial Progress of ULBs is attached as Annexure- I)		
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 **28 locations** are approximately 18.00 lacs MT, remaining 2 **ULBs** are in process of measurement. *(Progress be indicated)* ▪ **For 7 ULBs**, quantity 15.56 lakh MT costing Rs.85.58 Cr. (Bio-remediation Cost @ Rs.550 /MT as per SBM 2.0 Guidelines).		

	▪ Proposal approved by SHPC on 19.02.2021 & sent to GoI. ▪ In-Principal approval given by GoI & total of 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 has been made to Mission Director, SBM (U) for release of 90% Central Share (as per SBM 2.0 Guidelines for Himalayan & North- Eastern States) of above 08 sites vide letter No. 4747 dt 07.01.2022. ▪ **Bio-Remediation Machine procured** in Gochar. Legacy Waste of Karnprayag is to be treated by same. ▪ **In 7 ULBs** waste is being remediated from own sources of ULBs (Rudrapur, Muni-ki-Reti, Uttarkashi, Barkot, Mussoorrie Pithoragarh & Joshimath). ▪ **DPR** of 5 ULBs i.e. Srinagar, Manglaur, Doiwala, Ramnagar and Khatima has been prepared & at different stages of evaluation. ▪ **Remaining 07 ULBs** have measured the waste & are in process of DPR preparation. (Almora, Chamba, Gangolihat, Jhabreda, Berinag, Landhaura &, Piran Kaliyar). ▪ **02 ULBs** are yet to measure waste quantity namely; Sitarganj and Purola. **Progress: Approximately 1.5 Lakh Tonns of waste has been remediated cumulatively from following sites viz. Rishikesh, Kotdwar, Uttarkashi, Rudrapur & Muni-ki-Reti.**
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.
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 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:

- **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.

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) *Landfillable-2519.94 Tonnes* *Incinerable-4856.05 Tonnes* *Recyclable: 14423.72 Tonnes* *Co-processed: 1263.56 Tonnes (In Cement Kilns)* *Utilization: 74.41 Tonnes* *(Year 2020-21)* *(Including stored waste of year 2019-20 at occupier's premises)*
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 Tones of compacted plastics/ bails till date (Period of revenue collection- 2018-2021). Total Capacity of Compactor is 280 Tonnes.

Others

8.	Details of Alternate Treatment Technology being adopted by the State/UT	The treatment technologies i.e., SBR, MBBER, SBT and Electro Coagulation are being used in the State for STPs. In addition of above, Bio remediation treatment technology has been adopted for treatment of drains for the period till STPs are constructed and becomes functional.
9.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in situ treatment	**Main Ganga Stream:** Total 135 drains identified along the main stream of river Ganga. Out of 135 drains, 131 drains sanctioned by NMCG. Remaining 4 drains, 3 drain of Srikot have not sanctioned because BOD<30 and 1 drain of Rawali Mehdood is under Sidkul. Out of 131 sanctioned 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 progress115 Nos. completed (123 Nos. drains tapped) at Rispana River & 95% I&D works completed at Bindal River and expected to be completed Mar-2022. **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). 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) 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 Cr has been approved by NMCG for a total of 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	05 Meetings held on dt. 10.02.2021, 04.03.2021, 09.07.2021, 15.11.2021 & 04.02.2022.
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 09polluted river stretches is enclosed as **Annexure-1**.
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. Details of E-flow in the month of January, 2022 is enclosed as **Annexure-2(a), 2(b) & 2(c).**
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 January, 2022 a total of **2977.61 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. During the reporting period 15.00 ha plantation work has been completed.
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 achieving the bathing quality standards	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 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 to 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 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. 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 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 enforce 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 enforcement work done to prevent illegal mining/illegal transportation/illegal storage in the last six financial years is as follows: -

s. no.	**Financial Year**	**Illegal mining/storage/transportation cases**	**Penalty (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 (Up to Dec.2021)	1365	9.50
Total-		**15,247**	**90.28**

Thus, the State Government is committed to stop illegal mining, illegal storage and illegal transportation of mineral in the State.

24.	Action against identified polluters, Law violators and officers responsible for failure for vigorous monitoring	Uttarakhand Pollution Control Board has collected a sum of Rs. 2.08 Crs from various defaulters /law violators as an environment compensation.

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ANNEXURE-1

Surface Water Quality of 09 polluted river stretches for the month of January, 2022

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	7.8	5	3.3	16	320	220	40	540	350
		14.12.2021	DS	Gehruwala Village Pratappur	29°08'30" N 78°05'20" E	7.4	3.2	16	120	630	425	251	920	540
2	Bhella	14.12.2021	US	Bahella Bridge, Kashipur	29°16'43" N 79°01'19" E	7.7	5.3	3.2	12	190	127	43.75	430	350
		14.12.2021	DS	Bahella River rajpura tanda	29°07'45" N 78°59'03" E	7.7	3.4	14	100	420	282	88.75	430	220
3	Kichha	16.12.2021	US	Main Road Kichha	28°57'43" N 79°32'17" E	7.4	4.9	6.4	20	890	610	72.5	280	130
		16.12.2021	DS	Kichha Bridge	29°52'59" N 79°30'56" E	7.3	5.6	5.2	22	940	628	55	920	430
4	Suswa	07.01.2022	US	Mothrawala	30°13'59"N 78°01'48"E	7.18	3.4	24	96	743	485		≥1600	≥1600
		07.01.2022	DS	Barafutta	30°8'19.9"N 78°7'49.8"E	7.45	6.8	1.4	6	318	210		63	40
5	Kalyani	16.12.2021	US	Pantnagar Ind. Area Rudrapur	29°01'44" N 79°24'28" E	7.6	4.6	7	24	440	310	48.75	220	130
		16.12.2021	DS	Rampura ground Rudrapur	28°57'52" N 79°24'08" E	7.4	2.5	20	160	720	484	87.5	350	170
6	Kosi	14.12.2021	US	Bajpur bridge Sultanpur patti	28°09'32" N 79°02'19" E	7.6	6.9	3.3	10	400	269	48.75	140	63
		14.12.2021	DS	Bypass bridge Pattikalan	29°04'31" N 79°02'24" E	7.8	7	3.1	14	410	272	46.25	170	84
7	Pilakhar	16.12.2021	US	Bajpur	29°10'21" N 79°08'44" E	7.3	6	4.6	14	360	246	37.6	170	94
		16.12.2021	DS	Rampur (U.P.)	29°12'12" N 78°58'42'E	7.4	4.5	9.2	28	390	269	40	350	220
8	Nandhour	16.12.2021	US	Sitarganj	29°04'36" N 79°41'36" E	7.3	6.5	3.2	10	310	210	36.25	170	70
		16.12.2021	DS	Nandhor Bridge, Sitarganj	28°55'149" N 79°44'38" E	7.4	6.1	3.5	14	350	232	30	350	220
9	Ganga	03.01.2022	US	Bindughat Dudhiyaban	29.970608°N-78.183854°E	8.30	9.8	1	4	216	138		84	47
		03.01.2022	DS	Sultanpur	29.699043°N -78.166559°E	8.3	10.4	2	8	188.5	121		110	70

Annexure-2(a)

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 (January 2022)

S.No.	Name of Hydro Power Project	Capacity (MW)	District	Developer	Season	Months	% of E-Flow as per norms*	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	Dry	Jan-22	≥ 20 %	11.37	2.42	21.28%	
2	Srinagar HEP	330	Pauri Garhwal	GVK	Dry	Jan-22	≥ 20 %	142.55	16.25	11.40%	
3	Singoli Bhatwari HEP	99	Rudraprayag	L&T	Dry	Jan-22	≥ 20 %	17.53	4.99	28.47%	
4	(Tehri Dam + Koteshwar Dam)	(1000 + 400)	Tehri	THDCIL	Dry	Jan-22	≥ 20 %	70.47	198.72	281.99%	
5	Tiloth Power Station (Maneri Dam)	3 x 30 = 90	Uttarkashi	UJVNL	Dry	Jan-22	≥ 20 %	32.00	6.86	21.44%	
6	Dharasu Power Station (Joshiyara Barrage)	4 x 76 = 304	Uttarkashi	UJVNL	Dry	Jan-22	≥ 20 %	43.30	8.36	19.31%	
7	Chilla Power Station	4 x 36 = 144	Pauri Garhwal	UJVNL	Dry	Jan-22	≥ 20 %	407.20	64.46	15.83%	

* 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

Annexure-2(b)

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 (January 2022)

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	Jan-22	Minimum 15% of Average Lean Season flow	4.00	4.32	108.00%	
2	Tanakpur	120	Champawat	NHPC	Jan-22		164.00	25.00	15.24%	
3	Dakpathar Barrage (Dhalipur + Dhakrani)	(51 + 33.75)	Dehradun	UJVNL	Jan-22		96.80	15.14	15.64%	
4	Kulhal	30	Dehradun	UJVNL	Jan-22		13.03	4.01	30.78%	
5	Ichadi Dam (Chibro + Khodri)	(240 + 120)	Dehradun	UJVNL	Jan-22		55.82	9.31	16.68%	

* 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.

Annexure-2(c)

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 (January 2022)

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	Jan-22	Minimum 15% of Average Lean Season flow	1.47	0.22	15.10%	
2	Gangani	8	Uttarkashi	Regency Gangani Energy	Jan-22		5.10	0.90	17.65%	
3	Badyar	4.9	Uttarkashi	Regency Yamuna Energy	Jan-22		1.30	0.24	18.46%	
4	Sarju-II	15	Bageshwar	Uttar Bharat Hydro	Jan-22		2.01	0.31	15.42%	
5	Sarju-III	10.5	Bageshwar	Uttar Bharat Hydro	Jan-22		4.06	0.63	15.52%	
6	Motighat	5	Pithoragarh	Himalya Hydro (P) Ltd.	Jan-22		3.04	0.51	16.78%	
7	Tanga	5	Pithoragarh	Himalya Hydro (P) Ltd.	Jan-22		3.04	0.51	16.78%	
8	Galogi SHP	3.5 MW	Dehradun	UJVNL	Jan-22		0.38	0.08	21.05%	
9	Ram Prasad Nautiyal, Dunao SHP	1.5 MW	Pauri Garhwal	UJVNL	Jan-22		2.50	2.50	100.00%	
10	Rajwakti	3.6	Chamoli	Him Urja	Jan-22		8.00	2.69	33.63%	
11	Vanala	15	Chamoli	Him Urja	Jan-22		6.19	1.57	25.36%	
12	Debal	5	Chamoli	Chamoli Hydro	Jan-22		2.50	1.24	49.60%	
13	Agunda Thati	3	Tehri	Gunsola Hydro	Jan-22		3.28	0.50	15.24%	
14	Bhilangana	22.5	Tehri	Swasti Power	Jan-22		-	-	-	eflow data not submitted by the developer for the month of January 2022. Data will be submitted when received from the developer.
15	Bhilangana- III	24	Tehri	Bhilangna Hydro Power	Jan-22		4.52	0.90	19.91%	
16	Birahiganga	7.2	Chamoli	Birahiganga Hydro Power	Jan-22		2.70	0.45	16.67%	
17	Pilangad SHP	2.25	Uttarkashi	UJVNL	Jan-22		2.47	1.10	44.53%	
18	Urgam SHP	3	Chamoli	UJVNL	Jan-22		2.36	0.73	30.93%	
19	Kaliganga -I SHP	4	Rudraprayag	UJVNL	Jan-22		0.87	0.20	22.99%	

* 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 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.