



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)/2022/557, Dehradun, July 4, 2022

E-MAIL / SPEED POST

To,

**Executive Director (Tech.),
National Mission for Clean Ganga (NMCG)
Department of Water Resource, River Development
& Ganga Rejuvenation, Ministry of Jal Shakti,
1st Floor, Major Dhyan Chand National Stadium
India Gate, New Delhi-110002.**

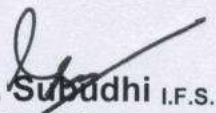
Sub: Monthly Progress Report of May, 2022 in the matter of O.A. No. 673/2018, Rejuvenation of Polluted River Stretches as per the Hon'ble National Green Tribunal order dated 20.09.2018, 19.12.2018, & 08.04.2019 - reg.

Sir,

With reference to the above subject matter, please find enclosed herewith a copy of Monthly Progress Report for the month of May, 2022 along with Annexure 1 to 5 for your kind perusal and further necessary action. The soft copy of Monthly Progress Report has already sent through E-mail at ruby.raju@nmcg.nic.in, drpravin@nmcg.nic.in, emcukcsoffice@gmail.com and asudhakar.cpcb@nic.in.

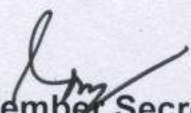
Enclosed: As above.

Yours' faithfully,


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

Copy to:

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


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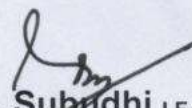
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4. Program Director, State Project Management Group (SPMG), Namami Gange, 117, Indira Nagar, Vasant Vihar, Dehradun- 248006 (Uttarakhand) for kind information.


Member Secretary

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

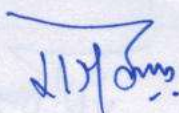
May, 2022

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 PLANTS:

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	397.205	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		
No. of Non-Operational STPs	04 (i) 0.075 MLD STP at Rudraprayag (Near Anoop Negi School). (ii) 1.00 MLD STP near Suspension Bridge, Badinath.		



	(iii) 1.20MLD STP at Happy Valley, Mussoorie (Under maintenance). (iv) 10 MLD capacity Rusi Pond at Nainital. (Pond found dry)						
No. of Complying STP's (Out of 61 STPs monitored in the month of May, 2022).	As per standards notified by MoEF& CC: 60 As per standards prescribed by the Hon'ble NGT order dated 30.04.2019: 54 . (Out of total 63 STPs, monitoring of following 02 STPs could not be done due to off-season: (i) 1.00 MLD STP at Gangotri, Uttarkashi. (ii) 0.450 MLD STPS at Narayan Nagar, Nainital.						
No. of Non-complying STP's (Out of 61 STPs monitored in the month of May, 2022).	- As per standards notified by MoEF&CC: 01 - As per standards prescribed by the Hon'ble NGT order dated 30.04.2019: 07						
Standards:							
Parameters	pH	BOD (mg/L)	TSS (mg/L)	Faecal Coliform (MPN/100 mL)	COD (mg/L)	Total- Nitrogen (mg/L)	Total Phosphorus (mg/L)
Standards notified by the MoEF&CC	6.5-9.0	30	<100	<1000	--	--	--
Standards prescribed by the Hon'ble NGT	5.5-9.0	10	20	230	50	10	1.0

Details of existing STPs in the State during the month of April, 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	Complying	Complying
2.	Badrinath (Near Temple) Distt.- Chamoli	0.01	0.005	Operational	Non-Complying	Non-Complying
3.	Badrinath	1.00	0.200	Operational	Non-Operational, as no wastewater is reaching to STP.	

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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
	(Near suspension Bridge) Distt. Chamoli				Manhole wall was damaged by M/s Gawar Construction Company during the work of city master plan. Presently STP is in working condition after repair of manhole wall.	
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 Park), Baiterni, Distt.-Chamoli	1.12	0.075	Operational	Complying	Complying
9.	Gopeshwar (Pokhari Band) Distt.-Chamoli	1.25	0.50	Operational	Complying	Complying
10.	Nandprayag (Sangam Road) Distt.-Chamoli	0.05	0.015	Operational	Complying	Complying
11.	Nandprayag (Forest office) Distt.-Chamoli	0.10	0.09	Operational. However, due to under capacity, untreated effluent is partially discharged into Nandakini River	Complying	Complying

21/05/2022

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
12.	Karanprayag (Police chowki) Distt.-Chamoli	0.05	0.05	Operational	Complying	Complying
13.	Karanprayag (Purana pull) Distt.-Chamoli	0.10	0.08	Operational	Complying	Complying
14.	Karanprayag (Ward no. 1&3) Distt.-Chamoli	0.10	0.035	Operational	Complying	Complying
15.	Karanprayag (Subhash Nagar) Distt.-Chamoli	0.05	0.02	Operational	Complying	Complying
16.	Karanprayag (Naya Pull) Distt.-Chamoli	0.05	0.005	Operational	Complying	Complying
17.	Rudraprayag (Near 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 a precautionary measures, all equipment's dismantled from STP. DPR for restoration work has been submitted to NMCG. Approval is awaited.	Non-Operational	Non-Operational
18.	Rudraprayag (Near Rudra Complex), Distt-Rudraprayag	0.10	0.08	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
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) 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	Operational	Complying	Complying
30.	Sangambazar, Devprayag Distt.-Tehri	0.15	0.15	Operational	Complying	Complying
31.	Baah Bazar, Devprayag Distt.-Tehri	1.40	0.04	Operational	Complying	Complying
32.	Gyansu, Uttarkashi Distt.-Uttarkashi	2.00	1.783	Operational	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
33.	Gangotri, Uttarkashi Distt.-Uttarkashi	1.00	0.20	Operational	Monitoring could not be done.	
34.	Nursery Road, Srinagar Distt.-Pauri	3.50	1.50	Operational	Complying	Complying
35.	Srinagar (Near ITI) Distt.-Pauri	1.00	0.50	Operational	Complying	Complying
36.	Taulia, Srikot Distt.- Pauri Garhwal	0.05	0.008	Operational	Complying	Complying
37.	Near Junior High School, Srikot, Srinagar Distt.- Pauri	0.075	0.070	Operational	Complying	Complying
38.	Swargashram, Rishikesh, Distt.-Pauri	3.00	2.12	Operational	Complying	Complying
39.	Lakkarghat, Rishikesh Distt.-Dehradun	26.00	12.30	Operational	Complying	Complying
40.	Jagjeetpur, Haridwar Distt.-Haridwar	27.00	27.00	Operational	Complying	Complying
41.	Jagjeetpur, Haridwar Distt.-Haridwar	18.00	18.00	Operational	Complying	Complying
42.	Jagjeetpur, Haridwar Distt.-Haridwar	68.00	45.02	Operational	Complying	Complying
43.	Sarai (I), Haridwar Distt.-Haridwar	18.00	18.00	Operational	Complying	Complying
44.	Sarai (II), Haridwar Distt.-Haridwar	14.00	13.02	Operational	Complying	Complying
45.	Saliyar, Roorkee Distt.-Haridwar	33.00	20.00	Operational	Complying	Complying
46.	Motharawala-I, Dehradun Distt.-Dehradun	20.00	13.52	Operational	Complying	Complying
47.	Motharawala-II, Dehradun	20.00	11.00	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
	Distt.-Dehradun					
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	Non-Operational as plant was under maintenance.	
55.	Landour, South, Mussoorie Distt.-Dehradun	1.30	0.10	Operational	Complying	Complying
56.	Landour, North, Mussoorie Distt.-Dehradun	0.80	0.035	Operational	Complying	Complying
57.	Kulri Bazaar, Mussoorie Distt.-Dehradun	0.90	0.35	Operational	Complying	Complying
58.	Hari Nagar, Nainital Distt.-Nainital	0.45	0.25	Operational	Complying	Non-Complying
59.	Krishnapur, Nainital Distt.-Nainital	0.80	0.45	Operational	Complying	Non-Complying
60.	Bheemtal, Nainital Distt.-Nainital	1.25	0.810	Operational	Complying	Non-Complying
61.	Bakh, Almora Distt.-Almora	2.00	1.65	Operational	Complying	Non-Complying
62.	Roosi, Nainital, Distt.- Nainital	10.00	6.75	Non-Operational	Pond found dry	
63.	Ancholi, Pithoragarh	5.00	1.00	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
	Distt.-Pithoragarh					
64.	Nirada, Pithoragarh Distt.- Pithoragarh	1.25	0.80	Operational	Complying	Complying
65.	Ramnagar Distt.- Nainital	7.00	2.5	Operational	Complying	Complying
66.	Ramnagar, Puchdi, Distt.- Nainital	1.50	0.15	Operational	Complying	Non-Complying
67.	Narayan Nagar, Nainital Distt. Nainital	0.450	-	Operational	Monitoring not could done.	
	Total	397.21	235.82			

Details of under construction STPs in the State:

No.	Location	Capacity of the plant in MLD	Physical progress in %	Status of I & D or House sewer connections	Completion Timeline
1.	Kaulagarh Distt. - Dehradun	3.00	50%	Sewer lines already laid in 13 th Finance Programme.	September, 2022
2.	Marwari, Joshimath Distt. -Chamoli	2.70	55 %	-	August, 2022
3.	Haldwani (Indira Nagar) Distt. -Nainital	28.00	90%	Sewer line is already laid/is being laid in AMRUT Programme	July, 2022
4.	Kashipur Distt. -US Nagar	18.00	90%	-	July, 2022
5.	Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Dhella)	10.00	Work started		Work awarded DOS- 07.01.2022 DOC- 06.1.2024
6.	Mukhandpur, Kashipur, Distt. U.S. Nagar	0.50	Proposal for purchase of land is send to Govt. E.F.C. has		

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No.	Location	Capacity of the plant in MLD	Physical progress in %	Status of I & D or House sewer connections	Completion Timeline
	(Proposed under River Rejuvenation of Kosi)		been done. G.O. will be issued soon.		
7.	Gularia, Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Dhella)	0.30			
8.	Jaspur Khurd, Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Bhella)	1.00	Work started		
9.	Hempur Smile, Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Bhella)	2.00	Proposal for purchase of land is send to Govt. E.F.C. has been done. G.O. will be issued soon.		
10.	Beljudi Kashipur Distt. U.S. Nagar (Proposed under River Rejuvenation of Dhella)	0.50			
11.	Bazpur Distt. U.S. Nagar (Proposed under River Rejuvenation of Pilakhar)	10.00			
12.	Kichha, Rudrapur Distt. U.S. Nagar (Proposed under River Rejuvenation of Kichha)	3.00			
13.	Sitarganj Distt. U.S. Nagar (Proposed under River Rejuvenation of Nandhour)	3.00	Proposal of Transfer of Govt. land is under process.		
14.	Roosi Pond, Nainital Distt. Nainital	17.50	Work awarded and review of detail design is in progress.		
15.	Nakronda, Dehradun, Distt. Dehradun	17.50	Work awarded and review of detail design is in progress.		
16.	Daurwala, Dehradun, Distt. Dehradun	18.00	Work awarded and review of detail design is in progress.		
	Total	135.00			

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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.	
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 (Segment-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 and diverted to STPs (44 Nos.).
- In order to ensure the integrated and sustained cleanliness of tributary of River Ganga in Uttarakhand state, the National Mission for Clean Ganga (NMCG) has sanctioned Rs.

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199.36 crore for interception and diversion of 17 Nos. drains and establishment of 09 STPs along the 06 Polluted River Stretches. Work started on dated 07.01.2022. 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	8802
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	--
Number and total capacity of CETPs (details of existing/under construction/proposed)	Existing: 03 CETPs of 13.2 MLD. Under construction: Nil Proposed CETP: Sitarganj- (i) Proposed- 8 MLD (Package i,ii & iii in Module 2 MLD + 3 MLD+3 MLD) Preparation of tender documents for establishing proposed CETP is under process with technical cooperation from GIZ.
Status of compliance and operation of the CETPs	All 03 CETPs are operational and complying with prescribed discharge norms.

Status of Operational CETPs:

Industrial Estate	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)

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IIE, Ranipur, Haridwar	531	4.5 MLD	All 530 units are connected to CETP. (01 industry M/s Hero Motocorp has its own ETP)	Capacity 4.5 MLD (capable to treat - 5.2 MLD) and complying with norms.
IIE, Pantnagar (US Nagar)	499	2.0 MLD	- For 474 no. units Conveyance system is available for 474 nos. of industrial Units. (M/S Roquette Riddhi Siddhi Pvt Ltd., IIE Pantnagar has its own ETP). - Rest 24 units are proposed to be connected by 31.05.2022. However, all these units are having their own treatment system (as per requirement). - UK Jal Nigam is Implementing agency for the construction of conveyance system. Work delayed Covid-19 pandemic and now expected to be completed by July, 2022.	CETP of 4 MLD capacity is operational and complying with norms.
ESIP Sitarganj (US Nagar)	75	2.0 MLD	All 75 units are connected to CETP.	CETP with 4.0 MLD Capacity is operational and complying to the norms.

4. SOLID WASTE MANAGEMENT:

Total number of Urban Local Bodies and their Population	102 Urban Local Bodies, Population- 36,26,586 (11 ULBs are newly added)
Current Municipal Solid Waste Generation	1456 MTPD
Current Municipal Solid Waste Processed	1074 MTPD ULB wise details in enclosed as Annexure-1 .

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Number, installed capacity and utilization of existing MSW processing facilities in TDP (bifurcated by type of processing e.g.- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bio methanation, MRF etc. Existing Facilities Pl. also specify total quantum of waste processing in the State. Location of MRFs and their capacities. Location of Plastic compactor, their capacity and year wise quantity of plastic waste compacted and sent for recycling. Revenue generated	▪ Two waste processing & Sanitary Land Fill facilities (SLF) (Dehradun: 200 Ton/day & Haridwar: 150 Ton/day capacity) are functional in the State. ▪ Two waste processing & SLF facility i.e. one at Rishikesh (covering 5 ULBs) and one in Haldwani (covering 7 ULBs), project approved, in Haldwani RFP is being revised and is Rishikesh tender have been floated and bids have been invited after getting approval of pre-bids queries form Expenditure Finance Committee headed by CS, GoUK. ▪ Total 37 Material Recovery Facility is functional in 35 ULBs having total capacity of 219.65 MTPD. (Annexure-2). ▪ MRF- includes 02 Material Recovery Facility installed at Dehradun (Near ISBT (7 TPD) and Harrawala (5TPD-Dry Waste, 1 Tonn- Wet Waste) with financial support from UKPCB and UNDP, and 01 MRF (Capacity- 10 TPD) 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 have been awarded, work is started and timeline to complete is 120 days. For Rishikesh MRF – Land allotted for SWM Processing & Disposal Plant of Rishikesh Cluster. Tender is to be invited. ▪ Plastic Compactors- 55 Nos. operational). ▪ Total Capacity of Compactor is 280 Tonnes per day. ▪ Revenue generated from the plastic compactors is Rs. 332.58 Lacs by selling Rs. 65.01 Lacs Kg of compacted plastics/bails till date (Period of revenue collection- 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. Dehradun: Plant Installed Capacity- 200 TPD Daily Solid Waste Collected (Average) –380.38 TPD

10/05/2021

	Daily Waste Processed (Average)- 380.38 TPD (100%) Haridwar: Plant Installed Capacity- 150 TPD Daily Solid Waste Collected – 156.45 TPD Daily Waste Processed- 156.45 TPD (100%)																		
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-1047																		
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	<table><tr><th>Current Status</th><th>Total DPRs</th><th>No. of ULBs</th></tr><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, in process to transfer funds 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></table> 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, in process to transfer funds 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, in process to transfer funds to ULB.	03	11																	
DPRs at different stages of approval	03	03																	
Total	65	91																	

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	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), Rishikesh, Srinagar & Haridwar. ▪ Applied For EC: Almora, Kotdwar, Ramanagar, Tehri-Chamba, Chamoli, Joshimath & Pauri. ▪ Final EIA report submitted: Pauri. ▪ Tender process initiated for EC: Gauchar. ▪ 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.
No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills	▪ 02 Scientific Sanitary Landfills (Haridwar & Dehradun) are in operation. ▪ Currently 61 ULBs have reported that legacy waste has been remediated/removed/processed. List of ULBs is enclosed as Annexure-3. For remaining 30 ULBs current status is given bellow: ▪ Total legacy waste estimated at 28 locations are approximately 19.00 lacs MT, remaining 2 ULBs are in process of measurement. ▪ For 7 ULBs, quantity 15.56 lakh MT costing Rs.80.88 Cr. (Bio-remediation Cost @ Rs.550 /MT as per SBM 2.0 Guidelines). ▪ Proposal approved by SHPC on 19.02.2021 & sent to GoI. ▪ Remediation work Completed at 2 Sites- (Kotdwar & Gairsain) ▪ Remediation work imitated at 2 sites- (Kashipur & Rishikesh) sources from 2 ULBs out of above mentioned 8 dumpsites). ▪ 07 DPRs covering 08 Dumpsites have been sent to MoHUA, GoI after SHPC approval. ▪ Funds disbursement of total Rs. 28.83 Cr (as

	first installment) done for 8 sites of 7 ULBs, i.e. Dehradun, Haridwar, Rishikesh, Roorkee, Kotdwar, Kashipur, Haldwani. ▪ Bio-Remediation Machine procured in Gauchar. Legacy Waste of Karnprayag is to be treated by same machine. ▪ In 7 ULBs waste is being remediated from own sources of ULBs (Rudrapur, Muni-ki-Reti, Uttarkashi, Barkot, Mussoorie Pithoragarh & Joshimath). ▪ DPR of 5 ULBs i.e. Srinagar, Manglaur, Doiwala, Ramnagar, Pirankaliyar and Khatima has been prepared & at different stages of evaluation. ▪ Remaining 08 ULBs have measured the waste & are in process of DPR preparation. (Almora, Chamba, Sitarganj Gangolihat, Jhabreda, Berinag & Landhaura). ▪ 01 ULB is yet to measure waste quantity namely; Purola. Progress: Approximately 1.86 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: 5 ULBs land on rent (Nathuvawala Model: Ward No. 100 Dehradun).
- 01 Cluster covering 2 ULBs have identified forest land and in process of approval.
- 07 ULBs individually identified forest land and in process of approval.
- 02 ULB individually are in search of alternate land as previously identified lands were not complying as per the SWM Rules, 2016.

(75+5+9+2=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	5494
Status of Treatment Facilities/CBMWTF	Two CBMTF facilities are operational in the State with existing capacity of 300 Kg/Hr (100 Kg/Hr permitted additionally due to Covid). One more CBMWTF is proposed in Narendra Nagar (Distt. Tehri) for which Environmental Clearance and Consent to Establish have been accorded.

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 (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.

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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	55 Nos. Plastic Compactors are functional on cluster basis to cater 91 ULBs. Rs. 154.68 Lakhs has been released by the UKPCB for this purpose. (Location of Compactors and functional status may be given) - Revenue generated from the plastic compactors is Rs. 332.58 Lacs by selling 69 Lacs Tones (Pl. check figures) of compacted plastics/ bails till date (Period of revenue collection- 2018-2021). - Total Capacity of Compactor is 280 Tonnes. 53 Plastic Waste recycling units are registered with the Uttarakhand Pollution Control Board with an installed recycling capacity of 177000Ton/Annum. - State Level Monitoring Committee (SLMC) for Plastic Waste Management has been constituted by the State Government vide G.O. No. 1445/IV(3)-201912(1 Sa.)/2017 dated 03.07.2019. - The Government of Uttarakhand has imposed restriction on supply, carry, storage, transportation, manufacturing, sale, purchase and import of identified Single Use Plastic items vide notification dated 16.02.2021. - The Government of Uttarakhand has constituted a Special Task Force under chairmanship of Chief Secretary and District Level task Force under chairmanship of District Magistrate vide notification dated 31.08.2021 to eliminate single use plastic in mission mode.

OTHERS:

8.	Details of Alternate Treatment Technology being adopted by the State/UT	The treatment technologies i.e., SBR, MBBR, SBT and Electro Coagulation are being used in the State for STPs. In addition of above, Bio remediation treatment technology has been adopted for treatment of drains for the period till STPs are constructed and becomes functional.
9.	Identification of polluting sources including drains contributing to river pollution	Main Ganga Stream: Total 135 drains identified along the main stream of river Ganga. Out of 135 drains, 131 drains sanctioned by NMCG New Delhi. remaining 4

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and action as per NGT order on in situ treatment.	drains, 3 drain of Srikot have not sanctioned because BOD<30 and 1 drain of Rawali Mehdood is under Sidcul. Out of 131 sanctioned drains 128 drains have been tapped, remaining 03 drains of Joshimath to be tapped by August, 2022. Dehradun: Total 177 nos small household drains has been sanctioned for I&D under Namami Gange Programme. Work is in progress. 142 Nos. drains tapped at Rispana River & 95% I&D works completed at Bindal River and expected to be completed June, 2022. Ramnagar: Total 06 nos. drains has been sanctioned under Namami Gange programme. All Nala have been tapped. 09 Polluted Stretches: 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." - The polluting stretch Kalyani River (Kumaon), DPR is under preparation by UKPJN & consultant has been finalised. DPR expected to be submitted. - The polluting stretch Suswa River (Dehradun) is taken up under DPR approved for I&D works of Rispana & Bindal Rivers under Namami Gange Projects. - Polytechnic drains or Lakkarghat drain is the treated effluent channels for new 26 MLD STP based on SBR technology has been commissioned at Lakkarghat. - The polluted River stretch (from Haridwar to Sultanpur) is already meeting the bathing water criteria and considered as model River. Bio-remediation of drains – DPR of Rs. 2.59 Coroe was approved by NMCG for total 19 drains on dated 14.12.2020. 06 Drains Kichch River. 03 Drains Suswa River. 01 Drains Rispana River. 01 Drains Bindal River. 07 Drains River Bhella, Kichcha and Pilakhar.
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21/1/2021

		01 Drains Ukrouli, Sitraganj. Bioremediation works has been completed.
10.	Details of Nodal Officer appointed by Chief Secretary in the State/UT	Environmental Cell has been setup in the office of Chief Secretary, Govt. of Uttarakhand.
11.	Details of meetings carried under the Chairmanship of Chief Secretary in the State/UT	Meetings of CMC held on dt. 10.02.2021, 04.03.2021, 09.07.2021, 15.11.2021, 04.02.2022 & 09.06.2022.
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 09 polluted river stretches during the month of April, 2022 is enclosed 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.	Polluted River stretches: ▪ Out of 09 polluted river stretches, 05 are non-perennial, therefore, 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.

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Details of E-flow in the month of March, 2022 is enclosed as **Annexure 5-A, 5-B & 5-C.**

18. Plantation activities along the rivers.

1. Works under Hon. NGT order in OA 673/2018 (Treatment of critically polluted river stretches namely Bhella (Tarai west), Dhella (Tarai West, Ramnagar, Corbett Tiger Reserve) Suswa (Dehradun), Pilakhar (Tarai Central & Haldwani), Nandhour (Haldwani) and Kalyani (Tarai west, Ramnagar) rivers:

Year	Name of Activity	Unit	Achievement
2020-21	Plantation	Nos.	4000
	Crate Wire Wall	Nos.	12
	Spur	Nos.	26
	Contour Trenches	RM.	2000
	Check Dams	Nos.	142
2021-22	Advance Soil Works	Ha	6
	Pitching Work	CUM	882
	CC Blocks	RM	69.5
Total - Plants 4000 Nos, 2069.5 RM, Pitching Work 882 CuM, ASW-6 Ha & Structures-180 Nos.			

2. Besides above, following activities have been implemented in larger catchment of Ganga and its tributaries as under:

Year	Plantations (ha)
2020-21	5181.64
2021-22	3781.46
Total	8963.10

3. Activities implemented under River Rejuvenation in various rivers/tributaries:

Year	Name of Activity	Unit	Achievement
2018-19	Plantation	Nos.	180000

		2019-20	Plantation	Nos.	47000
		2020-21	Plantation	Nos.	60000
			Contour Trenches	Nos.	83376
			Recharge Ponds	Nos.	1999
			Percolation Tanks	Nos.	530
			Assisted Natural Regeneration	Ha	124
		2021-22	Plantation	Ha	55
			Water Bodies (10 KL)	Nos.	8
			Water Bodies (20 KL)	Nos.	22
			Water Bodies (40 KL)	Nos.	8
			Water Bodies (50 KL)	Nos.	10
			Water Harvesting Tanks	Nos.	53
			Check Dams	Nos.	81
			Contour Trenches	Nos	25166
		Total - 287000 Plants, Plantation/ ANR-179 ha, Structures- 111253 Nos.			
		4. Works under conservation of flood plain zones of Ganga River in OA No. 200/2014:			
		Year	Name of Activity	Unit	Achievement
		2021-22	Advance Soil Works	Ha	131.94
			Check Dams	Nos.	1142
		Total : - ASW 131.94 Ha & Structures 1142 Nos			
		5. Works Proposed in APO of 2022-23:			
		APO for 2022-23 has been sent to GoI for approval. Under the same the budgetary provision for plantations, catchment area			

treatment, and other works under Hon. NGT orders in OA 673/2018-treatment of critically polluted rivers, OA 200/2015 - treatment of Ganga Flood Plain Zone and OA 325/2015 - Conservation and Development of Wetlands sufficient provision has been made.

Under NGT order in OA 673/2018, Director, Indian Institute of Water & Soil Conservation (IIWSC), Kaulagarh, Dehradun had been earlier contacted for preparation of DPR for treatment of the 06 polluted rivers. The institute, however, did not submit the proposal at that time. In fresh communication with the institute, all previous correspondence, action plans and Hon. NGT orders in connection with the same, have been sent to the institute for submission of a proposal and subsequent preparation of the DPR. The works shall be implemented as per the DPR .

Activities proposed under OA 200/2015 and OA325/2015 for 2022-23 are as follows:-

Year	Name of Activity Proposed	Unit	Target
2022-23	Plantations	Ha	174
	Advance Soil Work	Ha	24
	Check Dams	Nos	2510
	Contour Trenches	Nos	1000
	Percolation Pits	Ha	50

Total:-
Plantations 174 ha,
ASW 24 Ha,
Percolation Pits 50 ha &
Structures – 3510 Nos

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.

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		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 the State of Uttarakhand.
23.	Regulation of Mining Activities in the State/UT.	River Bed Mining in the State of Uttarakhand is carried out in a scientific and highly regulated manner as per the provisions of State Mining Policy and Uttarakhand Minor Minerals Rules, 2001 (Amended time to time) taking due care of environment and ecology of the area. It is compulsory to obtain Environment Clearance under EIA Notification 2006 prior to sanction of RBM Leases. Excavation of RBM is carried out as per approved mining plan and the Sustainable Sand Mining Guidelines-2016 of Ministry of Environment, Forest and Climate Change, Government of India within the demarcated area up to a depth of 03 meter or ground level whichever is less. It is also compulsory to obtain Consent to Establish and Operate from State Pollution Control Board before commencing the Excavation of RBM. Excavation of RBM is done manually. The State Mining Policy and Rules does not permit use of machines i.e. JCB, Poclane etc. for excavation of River Bed Material. Thus, excavation of RBM does not have any adverse 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 seven financial years is as follows: -

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		Sl. no.	F.Y.	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	1818	13.17
		8.	2022-23 (May 2022)	431	3.01
		Total-		16,131	96.96
		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. 2,18,54,061.00 from various defaulters / law violators as an environment compensation.			

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Details of ULBs (May, 2022)

Annexure-1

SWM Data_May2022

S.N.	DistrictName	ULBName	Total Wards	Wards with 100% D2D Collection	Wards with 100% Source segregation	Monthly Generation (MT)	Monthly Processed (MT)
1	ALMORA	DWARHAT	4	4	4	45	45
2	ALMORA	ALMORA	13	13	13	240	42
3	ALMORA	RANIKHET-CHILIYANAULA	7	7	7	120	120
4	ALMORA	BHIKYASAIN	4	4	4	62	62
5	ALMORA	CHAWKHUTIYA	4	4	0	15	
6	BAGESHWAR	BAGESHWAR	11	11	11	232.5	128.3
7	BAGESHWAR	KAPKOT	7	7	7	62	47
8	CHAMOLI GOPESHWAR	BADRINATH	4	4	4		
9	CHAMOLI GOPESHWAR	JOSHIMATH	9	9	9	66	40
10	CHAMOLI GOPESHWAR	CHAMOLI-GOPESHWAR	11	11	11	130	72
11	CHAMOLI GOPESHWAR	NANDPRAYAG	4	4	4	15.5	9.3
12	CHAMOLI GOPESHWAR	GAUCHAR	7	7	7	158.2	116.1
13	CHAMOLI GOPESHWAR	KARNAPRAYAG	7	7	7	90	
14	CHAMOLI GOPESHWAR	GAIRSAIN	7	7	7	30	30
15	CHAMOLI GOPESHWAR	POKHARI	7	7	7	62	62
16	CHAMOLI GOPESHWAR	THARALI	4	4	4	6	
17	CHAMOLI GOPESHWAR	PIPALKOTI	4	4	4	15	
18	CHAMPAWAT	CHAMPAWAT	9	9	7	140	10
19	CHAMPAWAT	LOHAGHAT	7	7	7	80.01	
20	CHAMPAWAT	TANAKPUR	11	11	5	126	100
21	CHAMPAWAT	BANBASA	7	7	7	62	31
22	DEHRADUN	VIKASNAGAR	11	11	11	503	503
23	DEHRADUN	HERBERTPUR	9	9	9	155	
24	DEHRADUN	MUSSOORIE	13	13	13	487	486
25	DEHRADUN	DEHRADUN	100	100	100	14982.46	14982.44
26	DEHRADUN	DOIWALA	20	20	20	930	1050
27	DEHRADUN	RISHIKESH	40	40	40		
28	DEHRADUN	SELAQUI (CENTRAL HOPETOWN)	9	9	0	220	220
29	HARDWAR	ROORKEE (NN)	40	40	40	3224	3224
30	HARDWAR	JHABRERA	9	9	9	200.01	
31	HARDWAR	MANGLAUR	20	20	20	868	
32	HARDWAR	LANDHAURA	9	9	9	210	
33	HARDWAR	HARDWAR	60	60	60	4850	4850
34	HARDWAR	LAKSAR	11	11	11	169.5	169.5
35	HARDWAR	SHIVALIK NAGAR	13	13	13	295	295
36	HARDWAR	BHAGWANPUR	9	9	9	270	
37	HARDWAR	PIRAN KALIYAR	9	9	9	217	
38	NAINITAL	NAINITAL	15	15	15	450	450
39	NAINITAL	BHOWALI	7	7	7	62	62
40	NAINITAL	BHIMTAL	9	9	9	165	165
41	NAINITAL	HALDWANI	60	60	44	1320	1060
42	NAINITAL	RAMNAGAR_U	20	20	20	355.71	223.02
43	NAINITAL	KALADHUNGI	7	7	7	114.39	
44	NAINITAL	LALKUAN	7	7	7	95.2	54
45	PAURI GARHWAL	SRINAGAR	13	13	13	310	290
46	PAURI GARHWAL	PAURI	11	11	11	240	
47	PAURI GARHWAL	DOGADDA	4	4	4	25	4.58
48	PAURI GARHWAL	KOTDWARA	40	40	40	1800	1800
49	PAURI GARHWAL	SWARGASHRAM	4	4	4	90	19.5
50	PAURI GARHWAL	SATPULI	4	4	4	41.23	41.13
51	PITHORAGARH	DHARCHULA	7	7	7	116	
52	PITHORAGARH	DIDIHAT	7	7	7	94	
53	PITHORAGARH	PITHORAGARH	20	20	11	840	390
54	PITHORAGARH	GANGOLIHAT	7	7	7	10.5	
55	PITHORAGARH	BERINAG	7	7	7		
56	RUDRAPRAYAG	KEDARNATH	1	1	1	0.8	
57	RUDRAPRAYAG	RUDRAPRAYAG	7	7	7	99.2	37.2
58	RUDRAPRAYAG	UKHIMATH	4	4	4		
59	RUDRAPRAYAG	AUGUSTMUNI	7	7	7	53.24	53.25
60	RUDRAPRAYAG	TILWARA	4	4	4	16	24.5
61	TEHRI	KIRTINAGAR	4	4	4	31	31
62	TEHRI	DEVAPRAYAG	4	4	4	206	198
63	TEHRI	TEHRI	11	11	11	297.6	87.1
64	TEHRI	CHAMBA_U	9	9	9	102	102
65	TEHRI	NARENDRANAGAR	7	7	7	37.2	37.2

66	TEHRI	MUNI-KI-RETI	11	11	11	425	425
67	TEHRI	GHANSALI	7	7	7	63.48	68.19
68	TEHRI	LAMB GAON	4	4	4	26	
69	TEHRI	GAJA	4	4	4	25	25
70	TEHRI	CHAMIYALA	7	7	7	31.01	16
71	UDHAMSINGH NAGAR	KASHIPUR	40	40	25	1682	
72	UDHAMSINGH NAGAR	MAHUA KHERAGANJ	9	9	0	64.79	
73	UDHAMSINGH NAGAR	MAHUADABRA	7	7	7	70	
74	UDHAMSINGH NAGAR	JASPUR	20	20	12	775	
75	UDHAMSINGH NAGAR	SULTANPUR_U	7	7	7	110	
76	UDHAMSINGH NAGAR	BAZPUR	13	13	13	330	
77	UDHAMSINGH NAGAR	KELA KHERA	9	9	9	130	
78	UDHAMSINGH NAGAR	RUDRAPUR	40	40	38	1935	17.5
79	UDHAMSINGH NAGAR	KICHHA	20	20	15	726	
80	UDHAMSINGH NAGAR	GADARPUR	11	11	11	248	218.71
81	UDHAMSINGH NAGAR	DINESHPUR	9	9	9	127	76
82	UDHAMSINGH NAGAR	SHAKTIGARH	7	7	7	36	
83	UDHAMSINGH NAGAR	SITARGANJ	13	13	13	589	
84	UDHAMSINGH NAGAR	KHATIMA	20	20	0	505	
85	UDHAMSINGH NAGAR	NANAKAMTTA	7	7	7	125	
86	UDHAMSINGH NAGAR	GULARBHOJ	7	7	7	93	73
87	UTTARKASHI	BARKOT (NPP)	7	7	7	180	148
88	UTTARKASHI	BARAHAT UTTARKASHI	11	11	11	310	310
89	UTTARKASHI	GANGOTRIDHAM	4	4	4	5.8	
90	UTTARKASHI	PUROLA	7	7	7	75	50
91	UTTARKASHI	CHIMYALISAU	7	7	7	77.5	60
92	UTTARKASHI	NAUGAON	7	7	7	62	
Monthly Data			1152	1152	1047	45136.83	33311.52
Daily Data			1152	1152	1047	1456	1075

Details of Material Recovery Facilities (May, 2022)

Annexure-2

S. No	District	ULB Name	No of MRF Plant/Centres	MRF (Material Recovery Facilities)		Capacity (in Ton Per Day)	Functional/ Non Functional
1	2	3	4	Location of MRF Centre		5	6
1	Dehradun	NN Dehradun	2	1. Harrawala, Ward 97, Dehradun		1	Functional
2		NN Rishikesh	1	2. Nathuwawala, Ward 100, Dehradun		1	Functional
3		NPP Mussoorie	1	ward no 17 Govind Nagar Rishikesh near IDH building tehri by paas road mussoorie		5	Functional
4		NPP Vikasnagar	1	Dakpathar		20	functional
5		NPP Doiwala	1	WARD NO. 11 KESHAVPURI		50	FUNCTIONAL
6		NN Roorkee	1	Saliyar Trenching Ground		30	FUNCTIONAL
7		NPP Laksar	1	Seemli, Laksar		30	Functional
8	Pauri	NPP Srinagar	1	Ward No. 06 purana Bus Adda		3.5	Functional
9	Garhwal	NN Kotdwar	1	Ward No-10 Trachung Ground		10	Functional
10	Tehri Garhwal	NPP Narendranagar	1	Ward No. 1 Kumharkheda		1	Functional
11		NPP Tehri	1	Ward no 2(under construction)		4	Functional
12		NPP Chamba	1	Mokri, V.puram		4	Non Functional
13		NPP MuniKiReti	1	Khara strot SWM Plant		4	Functional
14		NPP Devprayag	1	Ward no-1 near belli band NH-58		5	Functional
15	Chamoli	NPP Chamoli	1	Ward-11 near Alaknanda Ghat Chamoli		1.5	Under Construction
16		NPP Joshimath	1	ward no. 09 ravigram near petrol pump		0.068	Functional
17		NP Pipalkoti	1	Ward No.01 Near Uday Place		1.5	functional
18		NP Bhikiasain	1	ward-4 kadholi		0.02	functional
19	Champawat	NP Lohaghat	1	sarkitola ward 1		2	functional
20	Pithoragarh	NPP Pithoragarh	1	near ward aincholi		1	functional
21		NP Gangolihat	1	ward 02 bazar near GIC *		1.5	functional
22		NPP Dharchula	1	vivekanand ward		1	functional
23		NPP Didihat	1	Tahshil ward Didihat		1	functional
24	Nainital	NN Haldwani	1	gaula raukhar,gaula bypass road Haldwani		0.2	Functional
25		NPP Ramnagar	1	d No 13 Samudayik Bhawan2- Nagar Palika P		10	functional
26		NPP Rudraprayag	2	Railoli Ward No 7		0.46	Functional
27	Rudrapraya g	NP Agustmuni	1	ward no 7		3.2	function
28		NP Tilwara	1	ward no. 01		12	functional
29		NN Rudrapur	1	Ward 27, Gandhi colony		3	functional
30	Udham Singh Nagar	NPP Gadpur	1	ward N0 2 Budh Bazar		1	Functional
31		NP Gularbhoj	1	Ward No 1, Nai Basti Kopa		8	Functional
32		NP Sultanpur	1	ward N0 3 tanda banjara		5	Functional
33		NPP Baijpur	1	Ward No 11 Gill Chowk		1	functional
34	Uttarkashi	NP Gangotri	1	Ward No. 2 Near Main gate Gangotri		1.5	Functional
Total			36			219.648	Functional

Urban Development Department, Uttarakhand
Details Related to "Legacy Waste/ Old Dump Site" DPR Status

Annexure-3

S. No	Name of District	Name of ULB	Quantity of legacy waste(MT)	Place at where legacy waste is present	Remark / Letter Status	Area (in Hectares)	Quantity Remediated (MT)
No Legacy Waste							
1	Almora	Bhikyasain	No Legacy waste	...	No Legacy waste		
2	Almora	Dwarahat	No Legacy waste	...	No Legacy waste		
3	Almora	Ranikhet	No Legacy waste	...	No Legacy waste		
4	Bageshwar	Bageshwar	No Legacy waste	...	No Legacy waste		
5	Bageshwar	Kapkot	No Legacy waste	...	No Legacy waste		
6	Chamoli	Badrinathpuri	No Legacy waste	...	No Legacy waste		
7	Chamoli	Chamoli Gopeshwar	No Legacy waste	...	No Legacy waste		
8	Chamoli	Nandprayag	No Legacy waste	...	No Legacy waste		
9	Chamoli	Pipalkoti	No Legacy waste	...	No Legacy waste		
10	Chamoli	Pokhari	No Legacy waste	...	No Legacy waste		
11	Chamoli	Tharali	No Legacy waste	...	No Legacy waste		
12	Champawat	Banbasa	No Legacy waste	...	No Legacy waste		
13	Champawat	Champawat	No Legacy waste	...	No Legacy waste		
14	Champawat	Lohaghat	No Legacy waste	...	No Legacy waste		
15	Champawat	Tanakpur	No Legacy waste	...	No Legacy waste		
16	Dehradun	Herbertpur	No Legacy waste	...	No Legacy waste		
17	Dehradun	Vikasnagar	No Legacy waste	...	No Legacy waste		
18	Pauri	Dogadda	No Legacy waste	...	No Legacy waste		
19	Pauri	Pauri	No Legacy waste	...	No Legacy waste		
20	Pauri	Satpuli	No Legacy waste	...	No Legacy waste		
21	Pauri	Swargashram Jonk	No Legacy waste	...	No Legacy waste		
22	Haridwar	Bhagwanpur	No Legacy waste	...	No Legacy waste		
23	Haridwar	Laksar	No Legacy waste	...	No Legacy waste		
24	Haridwar	Shivalik Nagar	No Legacy waste	...	No Legacy waste		
25	Nainital	Bhimtal	No Legacy waste	...	No Legacy waste		
26	Nainital	Bhowali	No Legacy waste	...	No Legacy waste		
27	Nainital	Kaladhungi	No Legacy waste	...	No Legacy waste		
28	Nainital	Lalkuan	No Legacy waste	...	No Legacy waste		
29	Nainital	Nainital	No Legacy waste	...	No Legacy waste		
30	Pithoragarh	Dharchula	No Legacy waste	...	No Legacy waste		
31	Pithoragarh	Didihat	No Legacy waste	...	No Legacy waste		
32	Rudraprayag	Augustmuni	No Legacy waste	...	No Legacy waste		

Urban Development Department, Uttarakhand
Details Related to "Legacy Waste/ Old Dump Site" DPR Status

S. No	Name of District	Name of ULB	Quantity of legacy waste(MT)	Place at where legacy waste is present	Remark / Letter Status	Area (in Hectares)	Quantity Remediated (MT)
33	Rudraprayag	Kedarnath	No Legacy waste	...	No Legacy waste		
34	Rudraprayag	Rudraprayag	No Legacy waste	...	No Legacy waste		
35	Rudraprayag	Tilwara	No Legacy waste	...	No Legacy waste		
36	Rudraprayag	Ukhimath	No Legacy waste	...	No Legacy waste		
37	Tehri	Chamiyala	No Legacy waste	...	No Legacy waste		
38	Tehri	Devprayag	No Legacy waste	...	No Legacy waste		
39	Tehri	GAJA	No Legacy waste	...	No Legacy waste		
40	Tehri	Kirtinagar	No Legacy waste	...	No Legacy waste		
41	Tehri	Lambgaon	No Legacy waste	...	No Legacy waste		
42	Tehri	Narendranagar	No Legacy waste	...	No Legacy waste		
43	Tehri	Tehri	No Legacy waste	...	No Legacy waste		
44	US Nagar	Bazpur	No Legacy waste	...	No Legacy waste		
45	US Nagar	Gadarpur	No Legacy waste	...	No Legacy waste		
46	US Nagar	Gularbhoj	No Legacy waste	...	No Legacy waste		
47	US Nagar	Jaspur	No Legacy waste	...	No Legacy waste		
48	US Nagar	Kela Khera	No Legacy waste	...	No Legacy waste		
49	US Nagar	Kichha	No Legacy waste	...	No Legacy waste		
50	US Nagar	Mahua Dabra	No Legacy waste	...	No Legacy waste		
51	US Nagar	Mahua Kheraganj	No Legacy waste	...	No Legacy waste		
52	US Nagar	Nanakmatta	No Legacy waste	...	No Legacy waste		
53	US Nagar	Shaktigarh	No Legacy waste	...	No Legacy waste		
54	Uttarkashi	Chinyalisaur	No Legacy waste	...	No Legacy waste		
55	Uttarkashi	Gangotri	No Legacy waste	...	No Legacy waste		
56	Uttarkashi	Naugaon	No Legacy waste	...	No Legacy waste		
57	Chamoli	Gairsain	No Legacy waste		No Legacy waste		22
58	US Nagar	Dineshpur	No Legacy waste	--	Not Present		
59	Almora	Chaukhutiya	No Legacy waste	--	Not Present		
60		Sultanpur Patti	No Legacy waste	...	Remdiated		
1		Ghansali			Waste Remediated		
DPR sent to GoI/GoUK For approval							
1	Pauri	Kotdwara	16800	Near Khoh River	Approved by MoHUA, GoI & funds allotted	0.56	16800
2	Haridwar	Rishikesh	217600	Govind Nagar, Haridwar Road	Approved by MoHUA, GoI & funds allotted	4	100000
3	US Nagar	Kashipur	83200	--	Approved by MoHUA, GoI & funds allotted	1.04	Started
4	Haridwar	Roorkee	130400	Saliyar	Approved by MoHUA, GoI & funds allotted	5.97	
6,7	Haridwar	Hardwar	201600	Chandighat	Approved by MoHUA, GoI & funds allotted	13.69	
5,6			200320	Sarai Dumping	Approved by MoHUA, GoI & funds allotted	2.52	
7	Dehradun	Dehradun	499200	Danda lakhod	Approved by MoHUA, GoI & funds allotted	7.57	
8	Nainital	Haldwani	207200	Gaula Roukhad	Approved by MoHUA, GoI & funds allotted	2.59	
9	Pithoragarh	Pithoragarh	31500		Approved by GOUK	0.75	
10	Dehradun	Doiwala	12856.8		Sent to GoUK for approval		0

Urban Development Department, Uttarakhand
Details Related to "Legacy Waste/ Old Dump Site" DPR Status

S. No	Name of District	Name of ULB	Quantity of legacy waste(MT)	Place at where legacy waste is present	Remark / Letter Status	Area (in Hectares)	Quantity Remediated (MT)
11	Pauri	Srinagar	18070.3	New Bus Adda	Sent to GoUk for approval	0.92	0
12	Haridwar	Piran kaliyar(at Three Loactions)	26776	At Rahmatpur Road, Piran Kaliyar	Sent to GoUk for approval	0.05	
13	Nainital	Ramnagar	21630	Puchadi samsanghat road	Sent to GoUk for approval	0.14	
14	US Nagar	Khatima	32712		Sent to GoUk for approval	1.5	
Work Started/Proposed by ULB from own sources							
1	Chamoli	Gochar	45	Ward-3 Below NH	Proposal of Bio Remediation machine procured		
2	US Nagar	Rudrapur	80000	On Kichha Road	Legacy Waste remediation work has been initiated by ULB itself		65000
3	Chamoli	Karnaprayag	40	Main Gochar Road	Machine of Gochar is proposed to be used.		
4	Tehri	Muni Ki Reti	12000	Kharasrot	Bio Remediation initiated through machine.		4000
5	Uttarkashi	Uttarkashi	3500	Tambakhani	In process of procurement of machine, (0.12 Cr.) DPR proposed		300
6	Uttarkashi	Barkot	2000	Tiladi road	Will process by Trommel and conveyors of Machine Muni ki reti		
7	Dehradun	Mussoorie	1000	Gadikhana	Under Consideration form Hon'ble CM Ghoshna, approved by Secretary, UD. 25% by ULB and 75 % by MDDA.		
8		Joshimath	200	--	Recyclables seperated and disposed for 50 % waste		100
9	US Nagar	Sitarganj	9904.39	Near Trenching ground of Sitarganj	DPR Prepared & sent to UDD on 05.06.2022		Photographs received, Trommel machine brought through fund given in DPR. Measurement yet to be done.
Waste Measured , DPR to be Prepared							
1		Almora	2000	At Baldhoti,	In process of removal/ remediation. Waste Volume - (20*10*10)= 2000 cu.m.		Waste being removed using trommel
2	Tehri	Chamba	4846.3	On steep slope.	Dry waste 50% seperated. (0.16 Cr.), DPR Proposed		
3	Pithoragarh	Gangolihat	4000	Near Government IC on NH on 309A	Dry waste has been seperated and sold, park development proposed. (0.16 Cr.) DPR Proposed		
4	Haridwar	Jhabrera	20,000	Manglor road	Will send to Waste to Roorkee waste to energy Plant		
5	Haridwar	Manglore	12285	Tanda Bhaneda Road Pond			
6	Pithoragarh	Berinag	660	at Pusa Pastola road	Didn't measured because waste at Hill (Little bit Visible)		
7	Haridwar	Landhaura	400	Near Trenching ground of Landaura	Will send to Waste to Roorkee waste to energy Plant		
Waste Not Measured							
1	Uttarkashi	Purola	Not measured yet	At Km1 mori road	Not measured yet	0.024	
Total			20.5 lacs MT			42.611	186222

ANNEXURE-4

The Surface Water Quality of 09 Polluted River Stretches for the month of May, 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	23.05.2022	US	Dhella Bridge, Kashipur, Bheljudi	29°13'12" N 78°56'42" E	7.8	5.5	3.0	10	395	264	40	240	110
		23.05.2022	DS	Gehruwala Village Pratappur	29°08'30" N 78°05'20" E	7.1	2.0	22	150	600	400	104	540	220
2	Bhella	23.05.2022	US	Bhella Bridge, Kashipur	29°16'43" N 79°01'19" E	7.6	5.4	3.1	11.4	208	140	40	280	130
		23.05.2022	DS	Bhella River rajpura tandra	29°07'45" N 78°59'03" E	7.3	2.3	16	112	478	320	110	350	220
3	Kichha	23.05.2022	US	Main Road Kichha	28°57'43" N 79°32'17" E	7.3	6.8	7.0	28	748	500	56	350	170
		23.05.2022	DS	Kichha Bridge	29°52'59" N 79°30'56" E	7.6	6.6	5.8	20	760	510	68	540	280
4	Suswa	05.05.2022	US	Mothrawala	30°13'59" N 78°01'48" E	6.79	3.2	24	98	458	303		≥1600	≥1600
		05.05.2022	DS	Barafutta	30°8'19.9" N 78°7'49.8" E	7.04	6.4	1.6	6.4	379	253		63	34
5	Kalyani	23.05.2022	US	Pantnagar Ind. Area Rudrapur	29°01'44" N 79°24'28" E	7.3	3.0	10	32	445	300	62	350	130
		23.05.2022	DS	Rampura ground Rudrapur	28°57'52" N 79°24'08" E	7.0	1.4	30	200	670	446	120	920	430
6	Kosi	23.05.2022	US	Bajpur bridge Sultanpur patti	28°09'32" N 79°02'19" E	7.5	7.0	3.0	9.4	388	260	50	170	94
		23.05.2022	DS	Bypass bridge pattikalan	29°04'31" N 79°02'24" E	7.3	6.8	3.2	12	425	285	76	280	130
7	Pilakhar	23.05.2022	US	Bajpur	29°10'21" N 79°08'44" E	7.2	6.5	5.2	20	520	350	42	350	240
		23.05.2022	DS	Rampur (U.P.)	29°12'12" N 78°58'42" E	7.4	6.7	4.0	24	470	316	38	280	170
8	Nandhour.	23.05.2022	US	Sitarganj	29°04'36" N 79°41'36" E									
		23.05.2022	DS	Nandhor Bridge, Sitarganj	28°55'149" N 79°44'38" E	7.5	7.0	3.0	10	400	268	30	280	110
9	Ganga	04.05.2022	US	Bindughat Dudhiyaban	29.970608°N 78.183854°E	7.30	8	1.4	4	132	84.4		70	48
		04.05.2022	DS	Sultanpur	29.699043°N 78.166559°E	7.20	8	1	7	274	175.3		84	38

Status of release of E-flow as per MoWR, RD&GR order dated 09.10.2018 from the Hydro projects (> 25 MW) situated in the river/tributary of Ganga river basin in the State of Uttarakhand (May 2022)

S.No.	Name of Hydro Power Project	Capacity (MW)	District	Developer	Season	Months	Average E-flow Mandated (cumecs)	Compliance of e-flow notification			Remark
								Average River Discharge (Cumecs)	E-Flow Released (Cumecs)	% of E-Flow released	
1	Vishnuprayag HEP	400	Chamoli	J.P venture	Lean	May-22	12.93	55.27	16.13	29.18%	
2	Srinagar HEP	330	Pauri Garhwal	GVK	Lean	May-22	71.02	276.97	13.05	4.71%	
3	Singoli Bhatwari HEP	99	Rudraprayag	L&T	Lean	May-22	9.27	38.38	9.72	25.33%	
4	(Tehri Dam + Koteswar Dam)	(1000 + 400)	Tehri	THDCIL	Lean	May-22	33.83	146.68	246.20	167.85%	
5	Tiloth Power Station (Maneri Dam)	3 x 30 = 90	Uttarkashi	UJVNL	Lean	May-22	26.76	117.32	68.06	58.01%	
6	Dharasu Power Station (Joshiyara Barrage)	4 x 76 = 304	Uttarkashi	UJVNL	Lean	May-22	25.38	106.09	33.39	31.47%	
7	Chilla Power Station	4 x 36 = 144	Pauri Garhwal	UJVNL	Lean	May-22	107.26	630.32	159.50	25.30%	

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

**Status of release of E-flow as per NGT order dated 09.08.2017 from the Hydro projects (> 25 MW)
situated in the river/tributary other than Ganga river basin in the State of Uttarakhand
(May 2022)**

S.No	Name of Hydro Power Project	Capacity (MW)	District	Developer	Months	E-Flow Norms*	Compliance of e-flow notification			Remark
							Average lean season flow (Cumecs)	E-Flow Released (Cumecs)	% of E-Flow released	
1	Dhauliganga HEP	280	Pithoragarh	NHPC	May-22	Minimum 15% of Average Lean Season flow	4.00	4.08	102.00%	
2	Tanakpur	120	Champawat	NHPC	May-22		164.00	25.00	15.24%	
3	Dakpathar Barrage (Dhalipur + Dhakrani)	(51 + 33.75)	Dehradun	UJVNL	May-22		67.71	14.59	21.55%	
4	Kulhal	30	Dehradun	UJVNL	May-22		13.03	4.04	31.01%	
5	Ichadi Dam (Chibro + Khodri)	(240 + 120)	Dehradun	UJVNL	May-22		72.46	11.80	16.28%	

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

Status of release of E-flow as per NGT order dated 09.08.2017 from the Small Hydro projects (<25 MW) situated in the river/tributary Ganga & other river basin in the State of Uttarakhand
(May 2022)

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	May-22	Minimum 15% of Average Lean Season flow	1.47	0.22	15.17%	
2	Gangani	8	Uttarkashi	Regency Gangani Energy	May-22		5.10	2.07	40.59%	
3	Badyar	4.9	Uttarkashi	Regency Yamuna Energy	May-22		1.30	0.35	26.92%	
4	Sarju-II	15	Bageshwar	Uttar Bharat Hydro	May-22		2.01	0.31	15.42%	
5	Sarju-III	10.5	Bageshwar	Uttar Bharat Hydro	May-22		4.06	0.62	15.27%	
6	Motighat	5	Pithoragarh	Himalya Hydro (P) Ltd.	May-22		3.04	0.57	18.75%	
7	Tanga	5	Pithoragarh	Himalya Hydro (P) Ltd.	May-22		3.04	0.57	18.75%	
8	Galogi SHP	3.5 MW	Dehradun	UJVNL	May-22		0.24	0.05	20.83%	
9	Ram Prasad Nautiyal, Dunao SHP	1.5 MW	Pauri Garhwal	UJVNL	May-22		1.52	0.32	21.05%	
10	Rajwakti	3.6	Chamoli	Him Urja	May-22		7.81	3.63	46.48%	
11	Vanala	15	Chamoli	Him Urja	May-22		5.46	4.02	73.63%	
12	Debal	5	Chamoli	Chamoli Hydro	May-22		2.50	1.53	61.20%	
13	Agunda Thati	3	Tehri	Gunsola Hydro	May-22		3.73	0.57	15.28%	
14	Bhilangana	22.5	Tehri	Swasti Power	May-22		23.24	7.65	32.92%	
15	Bhilangana- III	24	Tehri	Bhilangna Hydro Power	May-22		11.01	2.75	24.98%	
16	Birahiganga	7.2	Chamoli	Birahiganga Hydro Power	May-22		2.70	0.43	15.93%	
17	Pilangad SHP	2.25	Uttarkashi	UJVNL	May-22		3.98	2.03	51.01%	
18	Urgam SHP	3	Chamoli	UJVNL	May-22		2.16	1.19	55.09%	
19	Kaliganga -I SHP	4	Rudrapur	UJVNL	May-22		2.42	0.92	38.02%	

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