



Date : 26, 07.2021

To,

UK PCB/Ho/Gen 476/2038-404,

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

Sub: Monthly Progress Report (June, 2021) in the matter of O.A. No. 673/2018, Rejuvenation of River as per Hon'ble National Green Tribunal order dated 20.09.2018, 19.12.2018, 08.04.2019- reg.

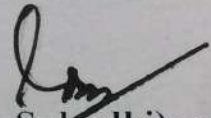
Sir,

Please find the enclosed herewith a copy of monthly progress report for the month of June, 2021 for your kind perusal.

The soft copy of Monthly Progress Report has already sent to mail id ruby.raju@nmcg.nic.in, drpravin@nmcg.nic.in, emcukesoffice@gmail.com, asudhakar.cpcb@nic.in.

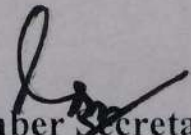
Enclosed: As above.

Your's faithfully


(S.P. Subudhi) L.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, Chief Secretary, Uttarakhand Secretariate/Member Secretary, Environment Monitoring Cell for kind information and necessary action please.


Member Secretary

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National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT matter OA No. 673
of 2018 (in compliance to NGT order dated 24.09.2020) For the State of
Uttarakhand (June, 2021)

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)

III. Details of Sewage Treatment Plant:

• Existing no. of STPs and Treatment Capacity (in MLD)	65 STPs of 387.5 MLD capacity
• Capacity Utilization of existing STPs	234.465 MLD
• MLD of sewage being treated through Alternate technology	165 MLD Through Septic tank and Soak pit.
• Gap in Treatment Capacity in MLD	Urban- 94.855 MLD (329.32-234.465)
• No. Of Operational STPs	52
• No. of Non-Operational STPs	13 – 04 (Non-operational due to Covid-19 pandemic no pilgrims), 07 (Due to heavy flood during 16-20 June nala tapping & mechanical equipment damaged), 02 (under trial testing)
• No. of Complying STP's	52
• No. of Non-complying STP's	Nil

Details of each existing STP in the State

No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Status of STP	Compliance Status of STP
1	Badrinath (BamniGaon) District- Chamoli	0.26	0.050	Non operational	Due to Covid 19 pandemic no pilgrims
2	Badrinath (Near Temple) District- Chamoli	0.01	0.005	Non operational	Due to Covid 19 pandemic no pilgrims
3	Badrinath (Near suspension Bridge) District Chamoli	1.00	0.200	Non operational	Due to Covid 19 pandemic no pilgrims
4	Joshimath (Pokhri) Badrinath District- Chamoli	1.08	0.421	Operational	complying
5	Gopeshwar (Chamoli Ghat) District- Chamoli	0.76	0.05	Operational	complying
6	Gopeshwar (Near Suspension bridge) District Chamoli	0.05	0.010	Operational	complying

7	Gopeshwar (Vivekanand Colony) District-Chamoli	1.19	0.50	Operational	complying
8	Gopeshwar (DeenDayalUpadhyak) District-Chamoli	1.12	0.075	Operational	complying
9	Gopeshwar (Pokhari Band) District-Chamoli	1.25	0.50	Operational	complying
10	Nandprayag (Sangam Road) District-Chamoli	0.05	0.015	Operational	complying
11	Nandprayag (Forest office) District-Chamoli	0.10	0.09	Operational	complying
12	Karanprayag (Police chowki) District-Chamoli	0.05	0.05	Due to heavy flood during 16 to 20 June Nala tapping and electrical and mechanical equipment damaged.	
13	Karanprayag (Purana pull) District-Chamoli	0.10	0.08		
14	Karanprayag (Ward no. 1&3) District-Chamoli	0.10	0.035		
15	Karanprayag (Subhash Nagar) District-Chamoli	0.05	0.02		
16	Karanprayag (Naya Pull) District-Chamoli	0.05	0.005		
17	Rudraprayag (Near AnoopNegi School) Distt.Rudraprayag	0.075	0.075	Operational	complying
18	Rudraprayag (Near Rudra Complex) Distt-Rudraprayag	0.10	0.08	operational	complying.
19	Rudraprayag (Near Bus Stand) District-Rudraprayag	0.075	0.075	Operational	complying
20	Rudraprayag (Near SBI Maszid) District-Rudraprayag	0.10	0.090	Operational	complying
21	Rudraprayag (Near Steel Bridge) District-Rudraprayag	0.125	0.125	Due to heavy flood during 16 to 20 June Nala tapping and electrical and mechanical equipment damaged.	
22	Rudraprayag (Belani) District-Rudraprayag	0.05	0.025		
23	Kirtinagar (BRO Bridge) District-TehriGarhwal	0.05	0.03	Operational	complying
24	Kirtinagar (Near Temple) District-TehriGarhwal	0.01	0.01	Operational	complying
25	Bhagirathipuram, TehriGarhwal	5.00	2.50	Operational	complying
26	Chorpani Muni Ki Reti District-TehriGarhwal	5.00	4.20	Operational	complying
27	ChandreshwarGhat, Dhalwala, District-TehriGarhwal	7.50	6.50	Operational	complying
28	Tapovan, Rishikesh, District-TehriGarhwal	3.50	1.10	Operational	complying
29	Shanti bazar, Devprayag, District-TehriGarhwal	0.075	0.04	Operational	complying
30	Sangambazar, Devprayag District-TehriGarhwal	0.15	0.15	Operational	complying
31	Baah Bazar, Devprayag District-TehriGarhwal	1.40	0.04	Operational	complying
32	Gyansu, Uttarkashi District-Uttarkashi	2.00	1.783	Operational	complying
33	Gangotri, Uttarkashi District-Uttarkashi	1.00	0.20	Shut down	Due to Covid 19 pandemic no pilgrims
34	Nursery Road, Srinagar District-PauriGarhwal	3.50	1.50	Operational	complying
35	Srinagar (Near ITI) District-PauriGarhwal	1.00	0.50	Operational	complying
36	Taulia, srikot District-PouriGarhwal	0.050	0.008	Operational	complying
37	Junior, srikot, Shrinagar District-PouriGarhwal	0.075	0.070	Operational	complying
38	Swargashram, Rishikesh, District-PauriGarhwal	3.00	2.12	Operational	complying
39	Lakkarghat, Rishikesh District-Dehradun	26.00	12.30	Operational	complying
40	Jagjeetpur, Haridwar District-Haridwar	27.00	27.00	Operational	complying
41	Jagjeetpur, Haridwar District-Haridwar	18.00	18.00	Operational	complying
42	Jagjeetpur, Haridwar District-Haridwar	68.00	45.02	Operational	complying

48	Kargi, Dehradun District-Dehradun	68.00	13.00	Operational	complying
49	Vijay Colony, Dehradun District-Dehradun	0.42	0.30	Operational	complying
50	Salawala, Dehradun District-Dehradun	0.71	0.35	Operational	complying
51	Indira Nagar, Dehradun District-Dehradun	5.00	5.00	Operational	complying
52	Jakhan, Dehradun District-Dehradun	1.00	0.14	Operational	complying
53	Bhattafall, Mussoorie District-Dehradun	3.12	0.80	Operational	complying
54	Happy Vally, Mussoorie District-Dehradun	1.20	0.20	Operational	complying
55	Landour, South, Mussoorie District-Dehradun	1.30	0.10	Operational	complying
56	Landour, North, Mussoorie District-Dehradun	0.80	0.035	Operational	complying
57	Kulri Bazaar, Mussoorie District-Dehradun	0.90	0.35	Operational	complying
58	Hari Nagar, Nainital District-Nainital	0.45	0.25	Operational	complying
59	Krishna Nagar, Nainital District-Nainital	0.80	0.45	Operational	complying
60	Bheemtal, Nainital District-Nainital	1.25	0.810	Operational	complying
61	Bakh, Almora District-Almora	2.00	1.65	Operational	complying
62	Z-1 Pithoragarh District-Pithoragarh	5.00	1.00	Operational	complying
63	Z-2 Pithoragarh District-Pithoragarh	1.25	0.80	Operational	Complying (UV Rectify)
64	Ramnagar District- Nainital	7.00	1.5	Under Trial & Testing	-
65	Ramnagar District- Nainital	1.50	0.075	Under Trial & Testing	-
	Total	387.5	234.465		

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	Kolagarh District-Dehradun	3.00	20%	-	December 2021.
2	Marwari, Joshimath District-Chamoli	2.70	Revised proposal sent to NMCG for Approval on 20.10.20	-	-
3	Haldwani (Indira Nagar) District-Nainital	28.00	40%	Sewer line is already laid/is being laid in AMRUT Programme	January 2022.
4	Narayan Nagar, Nainital District-Nainital	0.450	90 %	Sewer line is already laid/is being laid in AMRUT Programme	July 2021
5	Kashipur District-US Nagar	18.00	60 %	-	December 2021
	Total	52.15			

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	Kashipur District-US Nagar (Proposed under river Rejuvenation of Dhella.)	8.00	DPR sent to NMCG under Namami Gange Programme	Capacity of STP has been revised by NMCG.

2	Mukhandpur, Kashipur District-US Nagar (Proposed under river Rejuvenation of Bhella.)	0.310	DPR sent to NMCG under Namami Gange Programme	Two year from sanction of fund.
3	Gularia, Kashipur District-US Nagar (Proposed under river Rejuvenation.)	0.12	DPR sent to NMCG under Namami Gange Programme	Capacity of STP revised as per 24 hrs x7 day discharge measurement.
4	Jaspur Kurd, Kashipur, District-US Nagar (Proposed under river Rejuvenation of Bhella.)	0.95	DPR sent to NMCG under Namami Gange Programme	Capacity of STP revised as per 24 hrs x7 day discharge measurement.
5	Hempur smile Kashipur District-US Nagar (Proposed under river Rejuvenation of Bhella.)	1.15	DPR sent to NMCG under Namami Gange Programme	Capacity of STP revised as per 24 hrs x7 day discharge measurement.
6	Beljuri, Kashipur, District-US Nagar (Proposed under river Rejuvenation of Bhella.)	0.19	DPR sent to NMCG under Namami Gange Programme	Capacity of STP revised as per 24 hrs x7 day discharge measurement.
7	Bazpur District-US Nagar (Proposed under river Rejuvenation of River Pilakhal.)	8.50	DPR sent to NMCG some observation made by NMCG	Two year from sanction of fund.
8	Rudrapur District-US Nagar (Proposed under river Rejuvenation of Kalyani.)	26.00	DPR sent to NMCG under Namami Gange Programme. Some observation made by NMCG DPR will be sent after revision of proposal of DPR.	Two year from sanction of fund.
9	Rudrapur District-US Nagar (Proposed under river Rejuvenation of Kalyani.)	18.00		Two year from sanction of fund.
10	Kichha, Rudrapur District-US Nagar (Proposed under river Rejuvenation of Kichcha.)	2.00	DPR sent to NMCG under Namami Gange Programme	Two year from sanction of fund.
11	Sitarganj, District- U.S. Nagar (Proposed under River Rejuvenation of Kichha)	2.00	DPR prepare and sent to NMCG for approval. Some observations regarding Discharge measurement of Nalas (24x7) has received vide letter no. 742/SPMG Dehradun. Dry weather discharge measurement work in progress and DPR will be revised accordingly.	Two year from sanction of fund.
12	Mussoorie, District-Dehradun.	0.70	DPR not submitted at govt level due to non-availability of funds.	-
13	Mussoorie, District-Dehradun.	1.10	DPR not submitted at govt level due to non-availability of funds.	-
14	Mussoorie, District- Dehradun.	0.70	DPR not submitted at govt level due to non availability of funds.	-

			of funds.	
14	Mussoorie, District- Dehradun.	0.70	DPR not submitted at govt level due to non availability of funds.	-
15	Mussoorie, District- Dehradun.	0.70	DPR not submitted at govt level due to non availability of funds.	-
16	Mussoorie, District- Dehradun.	0.05	DPR not submitted at govt level due to non availability of funds.	-
17	Rusi Pond, District-Nainital	18.00	DPR approved	-
	Total	88.47		

*For 6 Polluting River Stretches (In Kumaon)- Combined DPR estimated cost Rs. 228.40 Crore for the interception of drains & construction of STP submitted by UKPJNN to NMCG through SPMG letter no. 495 / SPMG / Namami Gange / Polluted rivers Stretches dt. 27-08-2020 for financial approval. NMCG has engaged Jamia Milia University as Third Party Agency (TPA) for Appraisal of this DPR. TPA has carried out field inspection in last week of Dec 2020.

IV. Details of Industrial Pollution:

▪ No. of industries in the State	8076
▪ No. of water polluting industries in the State	830
▪ Quantity of effluent generated from the industries in MLD	145 MLD
▪ Quantity of Hazardous Sludge generated from the Industries in TDP	6407 MTPA
▪ Number of industrial units having ETPs	830
▪ 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	05 non complied units has been issued SCN in year 2020-21 & rest are complied.
▪ Number and total capacity of CETPs (details of existing/under construction/proposed)	Existing-13.2 MLD, Under construction-Nil Proposed- 18 MLD
▪ Status of compliance and operation of the CETPs	All 03 CETPs are complying to the environment norms.

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Haridwar	530	4.5 MLD	All 530 units are connected to CETP.	One existing CETP with 5.2 MLD Capacity operational and complying to the norms. Proposed -Nil. Under Construction-Nil.
Pantnagar (USNagar)	498	2.0 MLD	474 units are connected and rest 24 units are proposed to be connected by 31.12.2021. However, all these units are having their own ETPs.	One existing CETP with 4.0 MLD Capacity operational complying to the norms. Proposed at IIE Kashipur 1No(3MLD) Under Construction-Nil.
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. Proposed -2No (12 MLD & 3MLD in designing phase) Under Construction-Nil.
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V. Solid Waste Management

▪	Total number of Urban Local Bodies and their Population	91 Urban Local Bodies, Population- 3440814
▪	Current Municipal Solid Waste Generation	1250.27 MTPD
▪	Number, installed capacity and utilization of existing MSW processing facilities in TDP (bifurcated by type of processing e.g.- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bio methanation, MRF etc.Existing Facilities	- Two waste processing & Sanitary Land Fill facilities (SLF) (Dehradun: 350 Ton/day & Haridwar: 250 Ton/day capacity) are functional in the State. - Total 46 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)} - German International Corporation, GIZ is in the process to establish Plastic Waste Management units in Haridwar and Rishikesh under Ganga Plastic Partnership. - Plastic Compactors- 52 installed (02 more are in process of installation). - Revenue generated from the plastic compactors is Rs. 201.58 Lacs.
▪	Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap>20%)	Two CSWTF are in operational at Haridwar and Dehradun with 100 % utilization and in Haridwar 47.6% utilisation.
▪	No. and capacity of C&D waste processing plants in TDP (existing, proposed and under construction)	67 ULBs have reported either no generation of C&D waste or the same is used in backfilling. 12 ULBs have reported waste generation, out of which 08 have identified site for this purpose (08 sites are identified for C&D waste processing for 06 Model Towns and 1 Rishikesh and 1 in Kashipur). - Remaining 12 ULBs didn't report any data on waste generation, and are in process of assessing C&D of waste generation data.
▪	Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source	Total number of Wards-1130, Door to door Collecton-1130, Source Segregation-913.
▪	Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	02 SWM plants functional in Dehradun & Haridwar covering 05 ULBs. 01 SWM (Haldwani Cluster) project covering 07 ULBs is in tendering process. 51 DPRs covering 55 ULBs: approved by GoI & Fund release in form of Central share in all 55 ULBs & state share in 51 projects covering 60 ULBs.

		03 DPRs covering 11 ULBs funds (35%) allotted by Gol on 15.06.2021. (Muni kireti & Pirankaliyar excluded, as these two are covered in Cluster and presently started decentralized processing at their own level. 05 DPRs covering 10 ULBs: Funds released by Gol, going to be issued by GoUK. 02 DPRs (Kedarnath and Shiwalik Nagar) covering 02 ULBs are prepared and in process of approval at State level. 01 DPR covering 01 ULB (Chaukhutiya), DPR prepared & in process of evaluation. (5+7+55+11+10+2+1=91)
No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills		02 Sanitary Landfill (Haridwar & Dehradun). Total 21.25 Lakhs Cubic Meter of legacy waste in 31 Nos. of ULBs, 60 ULBs have reported no legacy waste/treatment & clearance of waste. - Work commenced for remediation of legacy waste in 07 ULBs namely: Rishikesh, Rudrapur, Kotdwar, Muni Ki Reti, Uttarkashi, Srinagar & Gochar. - Procurement of machine is under process in Doiwala. - DPR of total Rs. 126.53 Cr. approved by GoUK & sent to Gol for approval- Haridwar (2 sites), Roorkee, Kashipur, Dehradun, Haldwani & Kotdwar including Rishikesh, total quantity of waste 19.454 lakhs Cubic Meter. - Rs. 48.78 lakhs have been granted by Govt. of India on 15.06.2021 for above mentioned 08 sites of 07 Nagar Nigams. (Also Nagar Nigam Kashipur has awarded tender for remediation process & work started by ULBs. - In NN Kotdwar for remediation work LOA to be awarded since tender process has been completed & successful bidding has been received). - DPR prepared & approved by GoUK to be done from under state funds for Mussorie. Remediation work started by ULB. - In 4 ULBs waste is being remediated from own sources of ULB (Ramnagar, Joshimath, Ghansali & Almora). - In 4 ULBs DPR has been prepared & in process of evaluation. (NPP Srinagar- DPR cost Rs. 1.63 Cr, NPP Pithoragarh – DPR Cost- Rs. 1.56 Cr, NP Mangalaur- Rs. 10 Lakhs & NP Dharchula- Rs. 9.50 Lakhs.) - Remaining 04 ULBs are in process of DPR preparation. 03 ULBs are yet to measure waste quantity, namely; Sitarganj, Purola & Chaukhutiya.
No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers		07 (Uttarakashi, Haldwani, Kotdwar, Doiwala Shrinagar, Rishikesh & Purola), as informed by ULBs.
No. of drains falling into rivers and no. of drains having floating		There are total 181 small and big drains in Ganga

racks/screens installed to prevent solid waste from falling into the rivers	Towns, tapping/ jaal on drains done in all the drains, tapping done by Jal Nigam and regular cleaning is being done by concern Jal Nigam/ and ULB.
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Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Dwarahat District-Almora	1.5	1.5 TPD	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Almora District-Almora	8	8	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Ranikhet Chiniyanaul Distt-Almora	4	4 TPD	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Chaukhutiya Distt-Almora	-	-	-	-	Approved by Gol, Funds allotted of central & state share.
Bhikyasain District Almora	2	2	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Bageshwar District-Bageshwar	7.5	7.5	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Kapkot District-Bageshwar	2	1.5	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Badrinathpuri District-Chamoli	0.01	0.01	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Joshimath District-Chamoli	2.2	2.1	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Chamoli District-Chamoli	5	4	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Nandprayag District-Chamoli	0.5	0.5	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Gochar District-Chamoli	5.2	3.75	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share.
Karnprayag District-Chamoli	4.2	3.18	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Gairsain District-Chamoli	1	1	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Pokhari District-Chamoli	2	2	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Pipalkoti District-Chamoli	0.5	0.5	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Tharali District-Chamoli	4	4	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Champawat District-Champawat	4	4	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Lohaghat District-Champawat	0.45	0.45	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Tanakpur District-Champawat	5	5	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Banbasa District-Champawat	2.5	2.5	No facility exists.	Nil	Approved by Gol, Going to be issued by GoUK
Vikasnagar District-	18	18	No facility	Nil	In Dehradun Cluster, plant

Dehradun			exists.		functional
Herbertpur District-Dehradun	4	4	No facility exists.	Nil	In Dehradun Cluster, plant functional
Mussoorie District-Dehradun	8	8	No facility exists.	Nil	In Dehradun Cluster, plant functional
Doiwala District-Dehradun	30	10	No facility exists.	Nil	Principal approval received from Gol. Funds allotted by Gol (35%).
Dehradun District-Dehradun	300	300	Facility exists.	280	Plant Functional
Rishikesh District-Dehradun	60	25	No facility exists.	Nil	Principal approval received from Gol, Fund yet to be received.
Pauri District-Pauri	8	4	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Dogadda District-Pauri	0.02	0.02	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Kotdwar District-Pauri	60	55	No facility exists.	Nil	Principal approval received from Gol, Funds allotted by Gol (35%).
Swargashram Jonk District-Pauri	2.5	1.5	No facility exists.	Nil	Principal approval received from Gol, Fund yet to be received. In Rishikesh Cluster.
Satpuli District-Pauri	0.2	0.1	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Srinagar District-Pauri	10	10	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Jhabrera (Roorkee) Distt-Haridwar	9.5	7.5	No facility exists.	Nil	Principal approval received from Gol, Fund yet to be received. In Roorkee Cluster.
Manglaur (Roorkee) District-Haridwar	16	16	No facility exists.	Nil	
Haridwar District-Haridwar	126	40	Facility exists.	255	Plant Functional
Laksar (Roorkee) Distt-Haridwar	7	7	No facility exists.	Nil	Principal approval received from Gol, Funds allotted by Gol (35%). In Roorkee Cluster.
Shivalik Nagar District-Haridwar	10.5	4.5	No facility exists.	Nil	DPR in process of approval
Bhagwanpur (Roorkee) District-Haridwar			No facility exists.	Nil	Principal approval received from Gol, Funds allotted by Gol (35%). In Roorkee Cluster.
PIRAN KALIYARD District-Hardwar	6	6	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Roorkee District-Hardwar	104 TPD	104 TPD	No facility exists.	Nil	Principal approval received from Gol, Funds allotted by Gol (35%). In Roorkee Cluster.
Landhaura (Roorkee) Distt-Hardwar	7	7	No facility exists.	Nil	
Nainital District-Nainital	12	12	No facility exists.	Nil	DPR approved, In tendering process in Haldwani- Rudrapur Cluster
Bhowali District-Nainital	2	1.9	No facility exists.	Nil	
Haldwani-Kathgodam District-Nainital	120	0	No facility exists.	Nil	Approved by GOI, GO to be issued by GoUK, state fund allotted.
Ramnagar District-Nainital	14	14	No facility exists.	Nil	
Kaladhungi District-Nainital	3.69	3.69	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.

Lalkuan District-Nainital	3.2	3.2	No facility exists.	Nil	DPR approved, In tendering process, Haldwani Cluster
Bhimtal District-Nainital	2.25	2.25	No facility exists.	Nil	DPR approved, In tendering process, Haldwani Cluster.
Dharchula District-Pithoragarh	4	4	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Pithoragarh District-Pithoragarh	28	28	No facility exists.	Nil	Approved by GOI, Funds allotted of state share, central share yet to be released.
Gangolihat District-Pithoragarh	0.7	0.7	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Berinag District-Pithoragarh	2	2	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Didihat District-Pithoragarh	4.3	4.3	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Kedarnath District-Rudraprayag	3	0.015	No facility exists.	Nil	DPR in process of approval
Ukhimath District-Rudraprayag	0.25	0.25	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Augustmuni District-Pithoragarh	1.9	1.9	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Tilwara District-Rudraprayag	0.5	0.5	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Rudraprayag Distt-Rudraprayag	3.2	3.2	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Kirtinagar District-Tehri	1	0.7	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Devprayag District-Tehri	15 kg	15 kg	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Tehri District-Tehri	9.6	4	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Chamba District-Tehri	4	3.5	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Muni Ki Reti District-Tehri	12	12	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Ghansali District-Tehri	2	1.5	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Lambgaon District-Tehri	1	0.7	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Gaja District-Tehri	1	0.8	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Chamiyala District-Tehri	2	1	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Narendranagar District-Tehri	1.2	1.2	No facility exists.	Nil	In Rishikesh Cluster, Approved from Gol, Funds allotted by Gol (35%).
Kashipur District-U.S.Nagar	56	51	No facility exists.	Nil	Approved by Gol, Fund allotted of state govt & Funds allotted by Gol (35%).
Mahua Dabra Hariura District-US Nagar	2	2	No facility exists.	Nil	
Jasipur District-US Nagar	28	25	No facility exists.	Nil	
Sultanpur Patti District-US Nagar	4	3.8	No facility exists.	Nil	In Gadarpur Cluster, Approved by GOI, State share allotted, Central share to be allotted.
Bazpur District-US Nagar	11	9.5	No facility exists.	Nil	
Kela Khera District-US	5.5	5.3	No facility exists.	Nil	

Nagar			exists.		
Rudrapur District-US Nagar	70	60	No facility exists.	Nil	In Haldwani Cluster, in tendering process
Kichha District-US Nagar	25	24	No facility exists.	Nil	
Dineshpur District-US Nagar	1.5	1.5	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Shaktigarh District-US Nagar	1.2	1.2	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Sitarganj District-US Nagar	20	20	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Khatima District-US Nagar	2.6	2.6	No facility exists.	Nil	DPR approved by Gol, GO to be issued by GoUK
Nanakbata District-US Nagar	4.2	0	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Gularbhoj(Dineshpur) District-US Nagar	3.2	3.1	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
MahuaKheraganj Distt-US Nagar	4.5	4.5	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Gadarpur District-US Nagar	8	7	No facility exists.	Nil	In Gadarpur Cluster, Approved by Gol, fund allotted by state
Barkot District-Uttarkashi	3	2.5	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Uttarkashi District-Uttarkashi	10	8	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Gangotri District-Uttarkashi	6	6	No facility exists.	Nil	
Purola District-Uttarkashi	2.5	2	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Chinyalisaur District-Uttarkashi	2.5	2	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Naugoun District-Uttarkashi	2	1	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Total	1255.77	925.535			

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 ULBs individually identified revenue land.
- (75+6+9+1=91)

VI. Bio-medical Waste Management:

Total Bio-medical generation	3.81MTPD
No. of Hospitals and Health Care Facilities	4270
Status of Treatment Facilities/CBMWTF	Two CBMTF facilities are operational in the State with existing capacity 4.8 MTPD. One more CBMWTF in Narendra Nagar for which EC is under process.

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

VII. Hazardous Waste Management:

Total Hazardous Waste generation	6407 MTPA
No. of Industries generation Hazardous waste	4016

	Treatment Capacity of all TSDFs	Incineration-12000 MTPA and Land filling-8000 MT
▪	Avg. Quantity of Hazardous waste reaching the TSDFs and Treated	4016 MTPA
▪	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.

VIII. Plastic Waste Management:

▪	Total Plastic Waste generation	183000 MTPA (25000 MTPA by ULBs, 158000MTPA plastic waste is collected and recycled by 34 Recyclers)
▪	Treatment/Measures adopted for reduction or management of plastic waste	Plastic Compactors- 52 installed (02 more are in process of installation) Revenue generated from the plastic compactor is Rs. 201.58 Lacs.
IX.	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 have been adopted for treatment of drains for the period till STPs are constructed and becomes functional.
X.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in situ treatment	<u>Main Ganga Stream:</u> Total 135 drains identified the budget has been sanctioned for 131 drains. Out of 131, 128 drains have been tapped, remaining 03 drains of Joshimath to be tapped by June 21. <u>Dehradun:</u> Total 177 nos small household drains has been sanctioned under Namami Gange Programme. Work is in progress. 56 No.s I&D works completed at Rispana River & 50% I&D works completed at Bindal River. <u>Ramnagar:</u> Total 06 no.s drains has been sanctioned under Namami Gange programme . Out of 06, 05 drains have been tapped, remaining 01 drains to be tapped. <u>09 Polluted Stretches:</u> A. The 06 Polluting river Stretches (In Kumaon)- Combined DPR estimated cost Rs. 228.40 Crore for the interception of drains & construction of STP submitted by UKPJNN to NMCG through SPMG letter no. 495 / SPMG / Namami Gange / Polluted rivers Stretches dt. 27-08-2020 for financial approval. NMCG has deputed Jamia Milia University as Third Party Agency (TPA) for Appraisal of this DPR. TPA has carried out field inspection in last week of Dec 2020. B. The Polluting Stretch Kalyani River (Kumaon), DPR is under preparation by UKPJN and expected to be submitted. C. The Polluting Stretch Suswa River (Dehradun) will be taken up under DPR approved for "I&D works of Rispana and Bindal Under Namami Gange Project. Polytechnic drain or Lakkargha drain is the treated effluent channel for new 26 MLD STP based on SBR technology has been commissioned at Lakkarghat.

		D. The Polluting Stretch (From Haridwar to Sultanpur) already meeting the bathing criteria. Bio-remediation of drains – DPR of Rs. 2.59 Cr approved by NMCG for total 19 drains on dated 14-12-2020. 06 Drains Kichch River. 03 Drains Suswa River. 01 Drains Rispna River. 01 Drains Bindal River. 07 Drains River Bhella, Kichcha and Pilakhar. 01 Drains Ukrouli, Sitraganj. Bioremediation work initiated in 05 drains of Suswa, Rispna & Bindal.
XI.	Details of Nodal Officer appointed by Chief Secretary in the State/UT	Environmental Cell has been setup in the office of chief secretary
XII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT	One meeting was held on 08/06/2021 through video conferencing.
XIII.	Latest water quality of polluted river, its tributaries, drains with flow details and groundwater quality in the catchment of polluted river	Surface water quality of 09 polluted river stretch for the month of June is attached- annexure-1.
XIV.	Groundwater regulation	Next half-yearly Groundwater monitoring is scheduled in August, 2021.
XV.	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.
XVI.	Rain Water Harvesting	----
XVII.	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 03 rivers (Kosi, Suswa & Kichha/Gola) flood plain zoning has been initiated, which will be completed by July 2022.
XVIII.	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. Government of Uttarakhand has also designated Uttarakhand Jal Vidhyut Nigam Ltd (UJVNL) as the monitoring agency for the compliance of minimum E-Flow in the state of Uttarakhand, apart from that Central Water Commission is the nodal agency to monitor the compliance of Ministry of Jal Shakti, Govt of India notification regarding minimum E-Flow notified on 10.10.2018.
XIX.	Plantation activities along the rivers	The Plantation Activities are being carried out in the larger catchment area of Ganges. In Financial Year 20-21, at the end of January, 2021 a total of 5181.64 ha of plantation activities have been completed under the 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 other rivers and streams under the river rejuvenation programme in 2020-21. The catchment area treatment of 06 polluted rivers of Uttarakhand (namely Bhella, Dhella, Suswa, Pilakhar, Nandhour and Kalyani rivers) has been included in river rejuvenation programme of Uttarakhand CAMPA, under which catchment area treatment of Nandhour and Dhella rivers has been carried out in Terai East, Haldwani and Corbett Tiger Reserve division 2020-21.
XX.	Development of biodiversity park	-----
XXI.	Reuse of treated Water	Treated water of 27 & 68 MLD STPs at Jagjeetpur, Haridwar is already being reuse in irrigation through Canal system constructed for this purpose.
XXII.	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards	River Ganga from Haridwar to Sultanpur stretches 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. Report is being finalised.
XXIII.	Status of preparation of Action Plan by the 13 Coastal States	Not related to Uttarakhand State.
XXIV.	Regulation of Mining Activities in the State/UT	The State government has framed the State Mining Policy for mining activities. The State Government recovered Rs 39.42 Crs as a penalty from 3537 cases of illegal transportation/illegal mining/Storage from 2017 to May 2019.
XXV.	Action against identified polluters, Law violators and officers responsible for failure for vigorous monitoring	Uttarakhand Pollution Control Board has collected total 1.61 Crs from various defaulters /low violators as environment compensation from violators unit.

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

S. No.	Name of Polluted River Stretches	Sampling Date	US/DS	Location	Latitude-Longitude	pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	EC (μ S/cm)	TDS (mg/l)	TSS (mg/l)	Total Coliforms (MPN/100ml)	Faecal Coliform (MPN/100 ml)
1	Dhella	21.06.2021	US	Dhella Bridge, Kashipur, Bhelijudi	29°13'12" N-78°56'42" E	7.5	2	22	98	756	506	72	280	130
		22.06.2021	DS	Gehruwala Village Pratappur	29°08'30" N-78°05'20" E	7.7	1.5	30	104	800	536	98	920	540
2	Bhella	21.06.2021	US	Bahella Bridge, Kashipur	29°16'43" N-79°01'19" E	7.4	1.8	18	94	628	420	54	350	240
		22.06.2021	DS	Bahella River rajpura tanda	29°07'45" N-78°59'03" E	6.9	1.5	28	130	710	475	62	920	430
3	Kichha	21.06.2021	US	Main Road Kichha	28°57'43" N-79°32'17" E	7.8	8.2	3.4	24	876	586	40	430	210
		22.06.2021	DS	Kichha Bridge	28°52'59" N-79°30'56" E	8	9	3.2	18	840	560	46	1600	920
4	Suswa	28.06.2021	US	Mothrawala	30°13'59" N- 78°01'49" E	7.7 3	3.2	26	104	785	511	-	≥1600	≥1600
		29.06.2021	DS	Barafutta	-	7.9 4	7.8	1.6	6	257	162	-	70	46
5	Kalyani	21.06.2021	US	Pantnagar Ind. Area Rudrapur	29°01'44" N-79°24'08" E	7.7	6	8	32	680	456	42	920	350
		22.06.2021	DS	Rampura ground Rudrapur	28°57'52" N-79°24'08" E	8	0.8	40	160	1120	900	80	>1600	540
6	Kosi	21.06.2021	US	Bajpur bridge Sultanpur patti	28°09'32" N-79°02'19" E	7.6	9	3.4	14	620	415	38	430	220
		22.06.2021	DS	Bypass bridge pattikalan	29°04'31" N-79°02'24" E	7.5	8.6	5	20	686	460	50	1600	540
7	Pilakhar	21.06.2021	US	Bajpur	29°10'21" N-79°08'44" E	7.6	7.5	5.8	24	878	570	30	430	240
		22.06.2021	DS	Rampur (U.P.)	29°12'12" N-78°58'42" E	7.5	7.8	5.2	20	860	558	34	920	350
8	Nandhour	21.06.2021	US	Sitarganj	29°04'36" N-79°41'36" E	7.4	7.8	3.2	16	496	272	25	280	130
		22.06.2021	DS	Nandhor Bridge, Sitarganj	28°55'149" N- 79°44'38" E	7.3	7.5	3.4	20	502	336	36	540	220
9	Ganga	23.06.2021	US	Bindughat Dudhiyaban	29°97'06" N- 78°18'38" E	8.0	8.95	1	6	282	186	-	84	47
		23.06.2021	DS	Balkumari Mandir, Ajeetpur, Haridwar	29°87'86" N- 78°14'39" E	8.1	8.28	1.6	6	364	241	-	130	94

B

Chanchal