



To,

U.K/PCB/GCN-476(E)/1075-220,

Date : 24, 06.2021

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

Sub: Monthly Progress Report (April-May, 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 April-May, 2021 for your kind perusal.

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

Enclosed: As above.

Your's faithfully

(S.P. Subudhi) I.F.S.

Member Secretary

Copy to:

1. Additional Chief Secretary, Forest, Environment and Climate Change, Govt. of Uttarakhand/ Chairman, River Rejuvenation Committee, Uttarakhand for kind information please.
2. Staff Officer, 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 (April- May, 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)	64 STPs of 386.00 MLD capacity
• Capacity Utilization of existing STPs	232.89 MLD
• MLD of sewage being treated through Alternate technology	165 MLD Through Septic tank and Soak pit.
• Gap in Treatment Capacity in MLD	Urban- 96.43 MLD (329.32-232.89)
• No. Of Operational STPs	60 (04 are shut down due to seasonal closure of Badrinath and Gangotri)
• No. of Complying STP's	60
• 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	Shut down.	Shut down, due to off season
2	Badrinath (Near Temple) District- Chamoli	0.01	0.005	Shut down.	Shut down, due to off season
3	Badrinath (Near suspension Bridge) District Chamoli	1.00	0.200	Shut down.	Shut down due to of season.
4	Joshimath (Pokhri)Badrinath District-Chamoli	1.08	0.421	Operational	complying
5	Gopeshwar (ChamoliGhat) 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	Operational	complying
13	Karanprayag (Purana pull) District-Chamoli	0.10	0.08	Operational	complying
14	Karanprayag (Ward no. 1&3) District-Chamoli	0.10	0.035	Operational	complying

15	Karanprayag (Subhash Nagar) District-Chamoli	0.05	0.02	Operational	complying
16	Karanprayag (Naya Pull) District-Chamoli	0.05	0.005	Operational	complying
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	Operational	complying
22	Rudraprayag (Belani) District-Rudraprayag	0.05	0.025	Operational	complying
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 RetiDistrict-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.	Shut down, due to off season.
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-PauriGarhwal	0.050	0.008	Operational	complying
37	Junior, srikot, Shrinagar, District-PauriGarhwal	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
43	Sarai (I), Haridwar, District-Haridwar	18.00	18.00	Operational	complying
44	Sarai (II), Haridwar, District-Haridwar	14.00	13.02	Operational	complying
45	Saliyar, Roorkee, District-Haridwar	33.00	20.00	Operational	complying
46	Motharawala-I, Dehradun, District-Dehradun	20.00	13.52	Operational	complying
47	Motharawala-II, Dehradun, District-Dehradun	20.00	11.00	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	Bhattafal, 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
64	Ramnagar District- Nainital	7.00	-	Under Trial	-
	Total	385.69	232.89		

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	Tender awarded	-	December 2021.
2	Marwari, Joshimath District-Chamoli	2.70	40 %	-	June 2021.
3	Ramnagar District-Nainital	1.50	45 %	-	Delayed due to Covid
4	Haldwani (Indira Nagar) District-Nainital	28.00	15 %	Sewer line is already laid/is being laid in AMRUT Programme	January 2022.
5	Narayan Nagar, Nainital District-Nainital	0.450	80 %	Sewer line is already laid/is being laid in AMRUT Programme	Delayed due to covid
6	Kashipur District-US Nagar	18.00	50 %	-	October 2021
	Total	53.65			

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 x 7 day discharge measurement.
4	Jasgur 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 x 7 day discharge measurement.
5	Hempur, 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 x 7 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 x 7 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 Kichha.)	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.	-
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.

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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	890 (350 wet, 540 dry units)
▪ Number and total capacity of ETPs (details of existing/ under construction/proposed)	175 MLD.
▪ Compliance status of the ETPs	02 units (M/S Roquette Riddhi Siddhi Glycol Ltd, IIE Pantnagar, US Nagar & M/S Gujrat Ambuja Export Sitarganj, US Nagar) have issued show cause notice in year 2020-21 due to noncompliance of environment norms and 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.

V. Solid Waste Management

▪ Total number of Urban Local Bodies and their Population	91 Urban Local Bodies, Population- 3440814
▪ Current Municipal Solid Waste Generation	1551.76 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 Sanitary Land Fill facilities (SLF) (Dehradun: 350 Ton/day & Haridwar: 250 Ton/day capacity) are functional in the State.

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		02 Material Recovery Facility installed at Dehradun (Near ISBT and Harrawala) with financial support from UKPCB and UNDP. 46 MRF have been developed by ULBs. 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- 47 installed & 45 Functional 02 are in process of installation.
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.
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-1139, Door to door Collecton-1139, Source Segregation-792.
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 Gol & 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 Shivalik 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 approved by GoUK & sent to Gol for approval- Haridwar (2 sites), Roorkee, Kashipur, Dehradun, Haldwani & Kotdwar including Rishikesh, total quantity of waste 19.454 Cr. - 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. - DPR approved by GoUK for Mussorie Nagar Palika. - In 4 ULBs waste is being remediated from own sources of ULB. (Ramnagar, Joshimath, Ghansali & Almora). - DPR for Remaining 8 ULBs is under process. 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 racks/screens installed to prevent solid waste from falling into the rivers	There are total 181 small and big drains in Ganga 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.

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	0	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Almora District-Almora	10	5	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Ranikhet Chiniyanaul Distt-Almora	1.53	0	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	0	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Bageshwar District-Bageshwar	11	6	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Kapkot District-Bageshwar	2	0	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Badrinathpuri District-Chamoli	0.8	0.4	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Joshimath District-Chamoli	8.4	8.4	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Chamoli District-Chamoli	7.5	1.7	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Nandprayag District-Chamoli	0.6	0.6	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.

GocharDistrict-Chamoli	5.1	1.64	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share.
KarnprayagDistrict-Chamoli	8	7.13	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share. ^{by}
GairsainDistrict-Chamoli	3	0	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
PokhariDistrict-Chamoli	0.36	0.15	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
PipalkotiDistrict-Chamoli	4	0.1	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
TharaliDistrict-Chamoli	0.35	0.1	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Champawat District-Champawat	4	2	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
LohaghatDistrict-Champawat	3	2	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
TanakpurDistrict-Champawat	5.5	2.5	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
BanbasaDistrict-Champawat	3.5	1	No facility exists.	Nil	Approve by Gol, Go issued by GoUK.
VikasnagarDistrict-Dehradun	16	14	No facility exists.	Nil	In Dehradun Cluster, plant functional
HerbertpurDistrict-Dehradun	4	2	No facility exists.	Nil	In Dehradun Cluster, plant functional
MussoorieDistrict-Dehradun	18	15	No facility exists.	Nil	In Dehradun Cluster, plant functional
DoiwalaDistrict-Dehradun	33	33	No facility exists.	Nil	Principal approval received from Gol. Funds allotted by Gol (35%).
DehradunDistrict-Dehradun	280	280	Facility exists.	280	Plant Functional
RishikeshDistrict-Dehradun	60	42	No facility exists.	Nil	Principal approval received from Gol, Fund yet to be received.
PauriDistrict-Pauri	12	6	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share.
DogaddaDistrict-Pauri	1.08	0.55	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
KotdwarDistrict-Pauri	80	31	No facility exists.	Nil	Principal approval received from Gol, Funds allotted by Gol (35%).
SwargashramJonkDistrict-Pauri	1.5	0.01	No facility exists.	Nil	Principal approval received from Gol, Fund yet to be received. In Rishikesh Cluster.
SatpuliDistrict-Pauri	1	0	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
SrinagarDistrict-Pauri	6	5	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Jhabrera (Roorkee)Distt-Haridwar	10	0	No facility exists.	Nil	Principal approval received from Gol, Fund yet to be received. In Roorkee Cluster.
Manglaur (Roorkee)District-Haridwar	16	7	No facility exists.	Nil	
Haridwar District-Hardwar	255	89	Facility exists.	255	Plant Functional
Laksar (Roorkee)Distt-Haridwar	10	10	No facility exists.	Nil	Principal approval received from Gol, Funds allotted by Gol (35%). In Roorkee Cluster.

Shivalik Nagar District- Haridwar	14	6	No facility exists.	Nil	DPR in process of approval
Bhagwanpur (Roorkee) District- Haridwar	9	5	No facility exists.	Nil	Principal approval received from Gol, Funds allotted by Gol (35%). In Roorkee Cluster.
PIRAN KALIYAR District- Hardwar	6	6	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Roorkee District- Hardwar	104	35	No facility exists.	Nil	Principal approval received from Gol, Funds allotted by Gol (35%). In Roorkee Cluster.
Landhaura (Roorkee) Distt- Hardwar	8	2.5	No facility exists.	Nil	
Nainital District- Nainital	22	0.2	No facility exists.	Nil	DPR approved, In tendering process in Haldwani- Rudrapur Cluster
Bhowali District- Nainital	3	3	No facility exists.	Nil	
Haldwani- Kathgodam District- Nainital	120	29	No facility exists.	Nil	
Ramnagar District- Nainital	24	3.22	No facility exists.	Nil	Approved by GOI, GO to be issued by GoUk, state fund allotted.
Kaladhungi District- Nainital	3.69	0.015	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Lalkuan District- Nainital	4.2	0	No facility exists.	Nil	DPR approved, In tendering process, Haldwani Cluster
Bhimtal District- Nainital	2.5	0.05	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	6	No facility exists.	Nil	Approved by GOI, Funds allotted of state share, central share yet to be released.
Gangolihat District- Pithoragarh	1.7	0	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Berinag District- Pithoragarh	4	1.8	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Didihat District- Pithoragarh	3.6	0.1	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Kedarnath District- Rudraprayag	0.5	0.005	No facility exists.	Nil	DPR in process of approval
Ukhimath District- Rudraprayag	1.2	0.02	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Augustmuni District- Pithoragarh	2.9	2.154	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Tilwara District- Rudraprayag	0.98	0	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Rudraprayag Distt- Rudraprayag	4	1.26	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Kirtinagar District- Tehri	1.3	1.2	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Devprayag District- Tehri	5	2	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Tehri District- Tehri	9.6	5.7	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Chamba District- Tehri	4	4	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Muni Ki Reti District- Tehri	14.5	14.5	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share

Ghansali District-Tehri	2.6	0.4	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Lambgaon District-Tehri	0.85	0.55	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Gaja District-Tehri	1	0	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Chamiyala District-Tehri	1	1	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Narendranagar District-Tehri	1.2	0.35	No facility exists.	Nil	In Rishikesh Cluster, Approved from Gol, Funds allotted by Gol (35%).
Kashipur District-U.S.Nagar	54	2.45	No facility exists.	Nil	Approved by Gol, Fund allotted of state govt & Funds allotted by Gol (35%).
MahuaDabraHariura District-US Nagar	3	0	No facility exists.	Nil	
Jasipur District-US Nagar	25	20	No facility exists.	Nil	
Sultanpur Patti District-US Nagar	2	1.316	No facility exists.	Nil	In Gadarpur Cluster, Approved by GOI, State share allotted, Central share to be allotted.
Bazpur District-US Nagar	14	3.2	No facility exists.	Nil	
KelaKhera District-US Nagar	6.5	3	No facility exists.	Nil	
Rudrapur District-US Nagar	60	33	No facility exists.	Nil	In Haldwani Cluster, in tendering process
Kichha District-US Nagar	25	0	No facility exists.	Nil	
Dineshpur District-US Nagar	4	0.5	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Shaktigarh District-US Nagar	1.2	0.32	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Sitarganj District-US Nagar	19	19	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Khatima District-US Nagar	27.3	9.7	No facility exists.	Nil	DPR approved by Gol, GO to be issued by GoUK
Nanakbata District-US Nagar	0.5	0.3	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Gularbhoj(Dineshpur) District-US Nagar	5.6	5.6	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
MahuaKheraganj Distt-US Nagar	4.5	2	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Gadarpur District-US Nagar	12.5	3	No facility exists.	Nil	In Gadarpur Cluster, Approved by Gol, fund allotted by state
Barkot District-Uttarkashi	3	0.5	No facility exists.	Nil	Approve by Gol, Funds allotted of central & state share
Uttarkashi District-Uttarkashi	12	11	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Gangotri District-Uttarkashi	1	0	No facility exists.	Nil	
Purola District-Uttarkashi	0.75	0.4	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Chinyalisaur District-Uttarkashi	2.5	2.5	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Naugoun District-Uttarkashi	1.3	1.3	No facility exists.	Nil	Approved by Gol, Funds allotted of central & state share.
Total	1582.69	827.39			

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 compactor are installed at 47 locations in ULBs & proposed at 02 new locations (installation in progress), Revenue of Rs. 188.59 Lakh has been generated by selling plastic.
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 Rispna 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 C 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 stretches for the month of April & May, 2021 is being attached herewith annexure-1 & 2.
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	<u>09 polluted stretches:</u> 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 5181.00 ha of plantation activities have been completed under the various schemes of Uttarakhand CAMPA. Under Kosi river rejuvenation programme specifically 180000 plants were planted in 2018-19 and 45000 plants have been planted in 2019-20 in catchment area of Kosi river in district Almora. Apart from the above, catchment area treatment of 06 polluted rivers of Uttarakhand (namely Bhella, Dhella, Suswa, Pilakhar, Nandhour and Kalyani rivers) has been planned under Uttarakhand CAMPA, the DPR of which shall be prepared with the help of IIWSC in this financial year and the implementation work shall be completed in next financial year.
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 APRIL, 2021

S.No.	Name of Polluted River Stretches	Location	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	US	DRY								920
		DS	7.6	1.6	30	113	812	531	92	1600	
2	Bhella	US	DRY								540
		DS	6.9	1.1	31	139	761	543	61	1600	
3	Kichha	US	7.9	8.3	5	24	903	604	27	430	210
		DS	8	9.1	3.9	16	920	610	49	>1600	540
4	Suswa	US	7.4	3.2	26	80	815	530	-	≥ 1600	≥ 1600
		DS	7.6	7.6	1.2	6	450	298	-	70	40
5	Kalyani	US	7.3	4.9	9.2	39	775	492	45	920	430
		DS	8.2	0.4	40	182	1310	935	83	>1600	920
6	Kosi	US	7.5	8.1	4.1	17	673	416	41	540	220
		DS	7.6	7.8	5.5	23	710	430	62	>1600	920
7	Pilakhar	US	7.4	7.2	5.8	26	866	552	29	430	280
		DS	7.5	7.1	5.3	22	820	526	34	>1600	910
8	Nandhour	US	DRY								350
		DS	7.3	7.1	3.4	19	468	307	31	920	
9	Ganga	US	7.7	8.4	1.2	4	186.9	121.9	-	84	58
		DS	7.5	8.2	1.4	6	150	99.4	-	130	79

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

S.No.	Name of Polluted River Stretches	Location	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	US	7.2	1.3	29	101	745	561	78	280	140
		DS	7.6	1.8	31	110	802	598	92	920	430
2	Bhella	US	7.2	1.3	20	106	620	401	56	430	240
		DS	6.8	1.2	29	132	711	523	66	920	540
3	Kichha	US	7.5	8.4	3.2	20	864	578	36	350	170
		DS	7.9	9.2	3	15	812	513	44	1600	540
4	Suswa	US	7.5	3	24	76	769	501	-	≥ 1600	≥ 1600
		DS	7.68	8	1.4	6	456	304	-	84	48
5	Kalyani	US	7.9	5.3	9.6	41	701	472	48	920	350
		DS	8.5	0.6	45	167	1190	923	78	1600	540
6	Kosi	US	7.1	9.1	3.2	11	613	321	35	430	210
		DS	7.2	8.4	4.8	19	681	401	56	920	540
7	Pilakhar	US	7.3	7.1	6	22	842	501	32	430	220
		DS	7.4	7.2	5.7	24	828	516	31	920	350
8	Nandhour	US	7.2	7.7	3.7	17	473	296	29	350	140
		DS	7.1	7.3	3.3	18	498	301	31	540	210
9	Ganga	US	7.87	10	1.2	6	231	125.6	-	70	46
		DS	7.62	8.8	1.2	6	151.8	106.3	-	120	70

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