



UKPCB/HO/GPI(TPI)-*Gen 4762/6957-1586*

Date : *20*, 03.2021

To,

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

Sub: Monthly Progress Report (February, 2021) in 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.

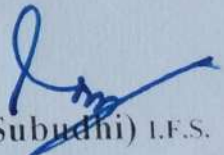
Sir,

Please find the enclosed herewith a copy of monthly progress report in revised format for the month of February, 2021 for your kind perusal.

The soft copy of Monthly Progress Report is also sent to mail id [ruby.raju@nmcg.nic.in](mailto:ruby.raju@nmcg.nic.in), [drpravin@nmcg.nic.in](mailto:drpravin@nmcg.nic.in) / [multiyarpk@gmail.com](mailto:multiyarpk@gmail.com) and [emcukesoffice@gmail.com](mailto:emcukesoffice@gmail.com).

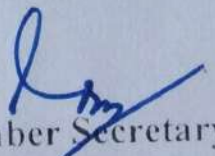
Enclosed: - As above.

Your's faithfully

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

Copy to: 1. Principal Secretary, Forest and Environment, Govt. of Uttarakhand/ Chairman, River Rejuvenation Committee 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 (February- 2021)**

Overall status of the State:

|     |                                          |                                                                                                                |
|-----|------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| I.  | Total Population (2011)                  | 1,00,86,292<br>Urban-30,49,338<br>Rural-70,36,954                                                              |
| II. | Estimated Sewage Generation (MLD) (2011) | Urban- 329.32 MLD,<br>Rural-225.18 MLD<br>(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)     | 63 STPs of 379.00 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                                  | 59 (04 are shut down due to seasonal closure of Badrinath and Gangotri) |
| • | No. of Complying STP's                                   | 56                                                                      |
| • | No. of Non-complying STP's                               | 03 (In terms of TSS)                                                    |

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                        | -                             | Shut down.                | Shut down, due to off season |
| 2   | Badrinath (Near Temple) District- Chamoli           | 0.01                        | -                             | Shut down.                | Shut down, due to off season |
| 3   | Badrinath (Near suspension Bridge) District Chamoli | 1.00                        | -                             | 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                        | 0.007                         | 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                        | 0.01                          | 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  | 0.02  | Operational | complying                           |
| 17 | Rudraprayag (Near AnoopNegi School)<br>Distt Rudraprayag | 0.075 | 0.075 | Operational | complying                           |
| 18 | Rudraprayag (Near Rudra Complex) Distt-<br>Rudraprayag   | 0.10  | 0.08  | operational | complying                           |
| 19 | Rudraprayag (Near Bus Stand) District-<br>Rudraprayag    | 0.075 | 0.075 | Operational | complying                           |
| 20 | Rudraprayag (Near SBI Maszid ) District-<br>Rudraprayag  | 0.10  | 0.090 | Operational | complying                           |
| 21 | Rudraprayag (Near Steel Bridge) District-<br>Rudraprayag | 0.125 | 0.125 | Operational | complying                           |
| 22 | Rudraprayag (Belani) District-Rudraprayag                | 0.50  | 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-<br>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, DevprayagDistrict-TehriGarhwal              | 0.15  | 0.15  | Operational | complying                           |
| 31 | Baah Bazar, DevprayagDistrict-TehriGarhwal               | 1.40  | 0.04  | Operational | complying                           |
| 32 | Gyansu, UttarkashiDistrict-Uttarkashi                    | 2.00  | 1.783 | Operational | complying                           |
| 33 | Gangotri, UttarkashiDistrict-Uttarkashi                  | 1.00  | 0.20  | Shut down.  | Shut down,<br>due to off<br>season. |
| 34 | Nursery Road, SrinagarDistrict-PauriGarhwal              | 3.50  | 1.50  | Operational | complying                           |
| 35 | Srinagar (Near ITI)District-PauriGarhwal                 | 1.00  | 0.50  | Operational | complying                           |
| 36 | Taulia, srikot District-PouriGarhwal                     | 0.05  | 0.008 | Operational | complying                           |
| 37 | Junior, srikot, Shrinagar District-PouriGarhwal          | 0.075 | 0.070 | Operational | complying                           |
| 38 | Swargashram, Rishikesh, District-PauriGarhwal            | 3.00  | 2.25  | Operational | complying                           |
| 39 | Lakkarghat, RishikeshDistrict-Dehradun                   | 26.00 | 12.50 | Operational | complying                           |
| 40 | Jageetpur, HaridwarDistrict-Haridwar                     | 27.00 | 27.00 | Operational | complying                           |
| 41 | Jageetpur, HaridwarDistrict-Haridwar                     | 18.00 | 18.00 | Operational | complying                           |
| 42 | Jageetpur, HaridwarDistrict-Haridwar                     | 68.00 | 45.00 | Operational | complying                           |
| 43 | Sarai (I), HaridwarDistrict-Haridwar                     | 18.00 | 18.00 | Operational | complying                           |
| 44 | Sarai (II), HaridwarDistrict-Haridwar                    | 14.00 | 13.00 | Operational | complying                           |
| 45 | Saliyar, RoorkeeDistrict-Haridwar                        | 33.00 | 20.00 | Operational | complying                           |
| 46 | Motharawala-I, DehradunDistrict-Dehradun                 | 20.00 | 13.52 | Operational | complying                           |
| 47 | Motharawala-II, DehradunDistrict-Dehradun                | 20.00 | 11.00 | Operational | complying                           |
| 48 | Kargi, DehradunDistrict-Dehradun                         | 68.00 | 13.00 | Operational | complying                           |
| 49 | Vijay Colony, DehradunDistrict-Dehradun                  | 0.42  | 0.30  | Operational | complying                           |
| 50 | Salawala, DehradunDistrict-Dehradun                      | 0.72  | 0.35  | Operational | complying                           |
| 51 | Indira Nagar, DehradunDistrict-Dehradun                  | 5.00  | 5.00  | Operational | complying                           |
| 52 | Jakhan, DehradunDistrict-Dehradun                        | 1.00  | 0.35  | Operational | complying                           |
| 53 | Bhattafall, MussoorieDistrict-Dehradun                   | 3.12  | 1.00  | Operational | complying                           |
| 54 | Happy Vally, MussoorieDistrict-Dehradun                  | 1.20  | 0.20  | Operational | complying                           |
| 55 | Landour, South, MussoorieDistrict-Dehradun               | 1.30  | 0.25  | Operational | complying                           |
| 56 | Landour, North, Mussoorie District-Dehradun              | 0.80  | 0.30  | Operational | complying                           |
| 57 | Kulri Bazaar, MussoorieDistrict-Dehradun                 | 0.90  | 0.35  | Operational | complying                           |
| 58 | Hari Nagar, NainitalDistrict-Nainital                    | 0.45  | 0.25  | Operational | complying                           |
| 59 | Krishna Nagar, NainitalDistrict-Nainital                 | 0.80  | 0.45  | Operational | complying                           |
| 60 | Bheemtal, NainitalDistrict-Nainital                      | 1.25  | 1.00  | Operational | Non-<br>complying                   |

|    |                                      |        |        |             |               |
|----|--------------------------------------|--------|--------|-------------|---------------|
| 61 | Bakh, Almora District-Almora         | 2.00   | 1.65   | Operational | Non-complying |
| 62 | Z-1 Pithoragarh District-Pithoragarh | 5.00   | 1.00   | Operational | complying     |
| 63 | Z-2 Pithoragarh District-Pithoragarh | 1.25   | 0.80   | Operational | Non-Complying |
|    | Total                                | 378.69 | 232.89 |             |               |

Show Cause Notice issued to 03 non-complying STPs on dated 21-12-2020.

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                         | Under Tendering        | -                                          | December 2021.      |
| 2   | Marwari, Joshimath District-Chamoli       | 2.70                         | 40 %                   | -                                          | June 2021.          |
| 3   | Ramnagar District-Nainital                | 7.00                         | 70 %                   | -                                          | March 2021.         |
| 4   | Ramnagar District-Nainital                | 1.50                         | 45 %                   | -                                          | March 2021.         |
| 5   | Haldwani (Indira Nagar) District-Nainital | 28.00                        | 10 %                   | --                                         | January 22.         |
| 6   | Narayan Nagar, Nainital District-Nainital | 0.450                        | 80 %                   | -                                          | March 21.           |
| 7   | Kashipur District-US Nagar                | 18.00                        | 45 %                   | -                                          | October 2021        |
|     | Total                                     | 60.77                        |                        |                                            |                     |

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<br>(Proposed under river Rejuvenation of Dhella.)               | 10.00                               | DPR prepared and send to NMCG for approval.                        | Two year from sanction of fund. |
| 2   | Mukhandpur, Kashipur District-US Nagar<br>(Proposed under river Rejuvenation of Bhella.)   | 0.310                               | DPR prepared and send to NMCG for approval                         | Two year from sanction of fund. |
| 3   | Gularia, Kashipur District-US Nagar<br>(Proposed under river Rejuvenation.)                | 0.14                                | DPR prepared and send to NMCG for approval                         | Two year from sanction of fund. |
| 4   | Jaspur Kurd, Kashipur, District-US Nagar<br>(Proposed under river Rejuvenation of Bhella.) | 1.55                                | DPR prepared and send to NMCG for approval                         | Two year from sanction of fund. |
| 5   | Hempur smile Kashipur District-US Nagar<br>(Proposed under river Rejuvenation of Bhella.)  | 0.14                                | DPR prepared and send to NMCG for approval                         | Two year from sanction of fund. |
| 6   | Beljuri, Kashipur, District-US Nagar<br>(Proposed under river Rejuvenation of Bhella.)     | 0.310                               | DPR prepared and send to NMCG for approval                         | Two year from sanction of fund. |
| 7   | Bazpur District-US Nagar<br>(Proposed under river Rejuvenation of River Pilakhal.)         | 8.50                                | DPR prepared and send to NMCG for approval                         | Two year from sanction of fund. |
| 8   | Rudrapur District-US Nagar<br>(Proposed under river Rejuvenation of Kalyani.)              | 26.00                               | DPR prepared and send to NMCG for approval                         | Two year from sanction of fund. |

|    |                                                                                      |        |                                                                   |                                 |
|----|--------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------|---------------------------------|
| 9  | Rudrapur District-US Nagar<br>(Proposed under river Rejuvenation of Kalyani.)        | 18.00  | DPR prepared and send to NMCG for approval                        | Two year from sanction of fund. |
| 10 | Kichha, Rudrapur District-US Nagar<br>(Proposed under river Rejuvenation of Kichha.) | 2.00   | DPR prepared and send to NMCG for approval                        | Two year from sanction of fund. |
| 11 | Mussoorie, Distric-Dehradun.                                                         | 0.70   | DPR not submitted at govt level due to non availability of funds. | -                               |
| 12 | Mussoorie, Distric-Dehradun.                                                         | 1.10   | DPR not submitted at govt level due to non availability of funds. | -                               |
| 13 | Mussoorie, Distric- Dehradun.                                                        | 0.70   | DPR not submitted at govt level due to non availability of funds. | -                               |
| 14 | Mussoorie, Distric- Dehradun.                                                        | 0.70   | DPR not submitted at govt level due to non availability of funds. | -                               |
| 15 | Mussoorie, Distric- Dehradun.                                                        | 0.05   | DPR not submitted at govt level due to non availability of funds. | -                               |
| 16 | Nainital, Distric-Nainital                                                           | 18.00  | DPR under UUSDIP.                                                 | -                               |
| 17 | Rusi Pond, District-Nainital                                                         | 18.00  | DPR under preparation.                                            | -                               |
|    | Total                                                                                | 106.20 |                                                                   |                                 |

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                                         | 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                                                        | 05 units 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,<br>Under construction-Nil<br>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.<br>Proposed -Nil.<br>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.<br>Proposed at IIE Kashipur 1No(3MLD)<br>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.<br>Proposed -2No (12 MLD & 3MLD in designing phase)<br>Under Construction-Nil. |

#### V. Solid Waste Management

|                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Total number of Urban Local Bodies and their Population</li> <li>Current Municipal Solid Waste Generation</li> </ul>                                                                                                                                                                             | <p>91 Urban Local Bodies, Population- 3440814</p> <p>1551.76 MTPD</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>Number, installed capacity and utilization of existing MSW processing facilities in TDP (bifurcated by type of processing eg.- Waste to Energy(Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bio methanation, MRF etc.Existing Facilities</li> </ul> | <ul style="list-style-type: none"> <li>Two waste processing &amp; Sanitary Land fill (SLF) facilities (Dehradun : 300 Ton/day &amp; Haridwar : 250 Ton/day) functional in the State on composting technology.</li> <li>02 Material Recovery Facility installed at Dehradun with financial support from UNDP.</li> <li>01 Number of MRF in Rishikesh.</li> <li>German International Corporation, GIZ is in the process to establish Plastic Waste Management units in Haridwar and Rishikesh under Ganga Plastic Partnership.</li> <li>Plastic Compactors – 45 Functional.</li> <li>03 are in process of installation.</li> </ul> |
| <ul style="list-style-type: none"> <li>Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap&gt;20%)</li> <li>No. and capacity of C&amp;D waste processing plants in TDP (existing, proposed and under construction)</li> </ul>                                                 | <p>Two CSWTF are in operational at Haridwar and Dehradun with 100 % utilization.</p> <ul style="list-style-type: none"> <li>67 ULBs have reported either no generation of C&amp;D waste or the same is used in backfilling.</li> <li>12 ULBs have reported waste generation, out of which 08 have identified site for this purpose (08 sites are identified for C&amp;D waste processing for 06 Model Towns and 1 Rishikesh and 1 in Kashipur).</li> <li>Remaining 12 ULBs did'nt report any data on waste generation, and are in process of identification of waste generation data.</li> </ul>                                 |

|                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source</li> </ul>                          | <p>Total number of Wards-1139,<br/>Door to door Collecton-1139,<br/>Source Segregation -792.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <ul style="list-style-type: none"> <li>Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)</li> </ul>                                             | <ul style="list-style-type: none"> <li>02 SWM plants functional in Dehradun &amp; Haridwar covering 05 ULBs.</li> <li>01 SWM (Haldwani Cluster) project covering 07 ULBs is in tendering process.</li> <li>46 DPRs covering 49 ULBs : approved by Gol &amp; Fund release in form of Central share in all 49 ULBs &amp; state share in 15 ULBs.</li> <li>03 DPRs covering 11 ULBs principal approval received by Gol. Funds awaited (Muni ki reti &amp; Piran kaliyar excluded, as these two are functional separately also &amp; also covered in Cluster).</li> <li>10 DPRs Covering 16 ULBs : Funds allotted by Gol, Going to be issued by GoUK.</li> <li>02 DPRs (Kedarnath and Shiwalik Nagar) covering 02 ULBs are prepared and in process of approval at State level.</li> <li>01 DPR covering 01 ULB (Chaukhutiya), DPR prepared &amp; in process of evaluation.</li> </ul> |
| <ul style="list-style-type: none"> <li>No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills</li> </ul>                                                                | <ul style="list-style-type: none"> <li>02 Sanitary Landfill (Haridwar &amp; Dehradun).</li> </ul> <p>Total 20.95 Lakhs Cubic Meter of legacy waste in 33 Nos. of ULBs, 58 ULBs have reported no legacy waste/treatment &amp; clearance of waste.</p> <ul style="list-style-type: none"> <li>Work commenced for remediation of legacy waste in 06 ULBs namely: Rishikesh, Rudrapur, Kotdwar, Muni Ki Reti, Uttarkashi, Srinagar.</li> <li>Procurement of machine is going on in Doiwala.</li> <li>DPR approved by GoUK &amp; sent to Gol for approval- Haridwar (2 sites), Roorkee, kashipur, Dehradun, Haldwani &amp; Kotdwar including Rishikesh, total quantity of waste 19.454 Cr.</li> <li>Remaining are in process of DPR preparation, machine procurement &amp; quantity measurement.</li> </ul>                                                                            |
| <ul style="list-style-type: none"> <li>No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers</li> </ul>                                                            | <p>07 (Uttarakashi, Haldwani, Kotdwar, Doiwala Shrinagar, Rishikesh &amp; Purola), as informed by ULBs.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <ul style="list-style-type: none"> <li>No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers</li> </ul> | <p>There are total 181 small and big drains in Ganga Towns, tapping/ jaal on drains done all the drains, tapping done by Jal Nigam and regular cleaning is being done by concern ULB.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

# 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 GoI, Go to be issued by GoUK                  |
| Almora District-Almora            | 10                          | 5                                | No facility exists.     | Nil                                                 | Approve by GoI, Funds allotted of central & state share  |
| Ranikhet Chiniyanaul Distt-Almora | 1.53                        | 0                                | No facility exists.     | Nil                                                 | Approve by GoI, Going to be issued by GoUK               |
| Chaukhutiya Distt-Almora          | -                           | -                                | -                       | -                                                   | Newly formed ULB, to be covered using Dwarahat.          |
| Bhikyasain District Almora        | 2                           | 0                                | No facility exists.     | Nil                                                 | Approve by GoI, Going to be issued by GoUK               |
| Bageshwar District-Bageshwar      | 11                          | 6                                | No facility exists.     | Nil                                                 | Approve by GoI, Go to be issued by GoUK                  |
| Kapkot District-Bageshwar         | 2                           | 0                                | No facility exists.     | Nil                                                 | Approve by GoI, Funds allotted of central & state share  |
| Badrinathpuri District-Chamoli    | 0.8                         | 0.4                              | No facility exists.     | Nil                                                 | Approve by GoI, Funds allotted of central & state share  |
| Joshimath District-Chamoli        | 8.4                         | 8.4                              | No facility exists.     | Nil                                                 | Approve by GoI, Funds allotted of central & state share  |
| Chamoli District-Chamoli          | 7.5                         | 1.7                              | No facility exists.     | Nil                                                 | Approve by GoI, Funds allotted of central & state share  |
| Nandprayag District-Chamoli       | 0.6                         | 0.6                              | No facility exists.     | Nil                                                 | Approved by GOI, Going to be issued by GoUK              |
| Gochar District-Chamoli           | 5.1                         | 1.64                             | No facility exists.     | Nil                                                 | Approve by GoI, Funds allotted of central & state share. |
| Karnprayag District-Chamoli       | 8                           | 7.13                             | No facility exists.     | Nil                                                 | Approve by GoI, Go issued by GoUK                        |
| Gairsain District-Chamoli         | 3                           | 0                                | No facility exists.     | Nil                                                 | Approved by GOI, Go to be issued by GoUK                 |
| Pokhari District-Chamoli          | 0.36                        | 0.15                             | No facility exists.     | Nil                                                 | Approved, Fund issued by GoI & State                     |
| Pipalkoti District-Chamoli        | 4                           | 0.1                              | No facility exists.     | Nil                                                 | Approved by GOI, Going to be issued by GoUK.             |
| Tharali District-Chamoli          | 0.35                        | 0.1                              | No facility exists.     | Nil                                                 | Approved by GOI, Go to be issued by GoUK                 |
| Champawat District-Champawat      | 4                           | 2                                | No facility exists.     | Nil                                                 | Approved by GOI, GO to be issued by GoUK                 |
| Lohaghat District-Champawat       | 3                           | 2                                | No facility exists.     | Nil                                                 | Approve by GoI, Funds allotted of central & state share  |
| Tanakpur District-Champawat       | 5.5                         | 2.5                              | No facility exists.     | Nil                                                 | Approved by GOI, GO to be issued by GoUK                 |
| Banbasa District-Champawat        | 3.5                         | 1                                | No facility exists.     | Nil                                                 | Approve by GoI, Go issued by GoUK.                       |
| Vikasnagar District-Dehradun      | 16                          | 14                               | No facility exists.     | Nil                                                 | In Dehradun Cluster, plant functional                    |

|                                        |      |       |                     |     |                                                                                      |
|----------------------------------------|------|-------|---------------------|-----|--------------------------------------------------------------------------------------|
| Herbertpur District-Dehradun           | 4    | 2     | No facility exists. | Nil | In Dehradun Cluster, plant functional                                                |
| Mussoorie District-Dehradun            | 18   | 15    | No facility exists. | Nil | In Dehradun Cluster, plant functional                                                |
| Doiwala District-Dehradun              | 33   | 33    | No facility exists. | Nil | Principal approval received from Gol, Fund yet to be received. In Rishikesh Cluster. |
| Dehradun District-Dehradun             | 280  | 280   | Facility exists.    | 280 | Plant Functional                                                                     |
| Rishikesh District-Dehradun            | 60   | 42    | No facility exists. | Nil | Principal approval received from Gol, Fund yet to be received.                       |
| Pauri District-Pauri                   | 12   | 6     | No facility exists. | Nil | Approve by Gol, Funds allotted of central & state share.                             |
| Dogadda District-Pauri                 | 1.08 | 0.55  | No facility exists. | Nil | Approved by GOI, GO to be issued by GoUk                                             |
| Kotdwara District-Pauri                | 80   | 31    | No facility exists. | Nil | Principal approval received from Gol, Fund yet to be received.                       |
| Swargashram Jonk District-Pauri        | 1.5  | 0.01  | No facility exists. | Nil | Principal approval received from Gol, Fund yet to be received. In Rishikesh Cluster. |
| Satpuli District-Pauri                 | 1    | 0     | No facility exists. | Nil | Approved by GOI, GO to be issued by GoUk                                             |
| Srinagar District-Pauri                | 6    | 5     | No facility exists. | Nil | Approve by Gol Going to be issued by GoUK                                            |
| 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, Fund yet to be received. 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 | DPR approved by SHPC, sent to Gol, in Roorkee                                        |
| PIRAN KALIYAR District-Hardwar         | 6    | 6     | No facility exists. | Nil | Approve by Gol, Go issued by GoUK                                                    |
| Roorkee District-Hardwar               | 104  | 35    | No facility exists. | Nil | Principal approval received from Gol, Fund yet to be received. 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                                             |
| Kaladhungi District-Nainital           | 3.69 | 0.015 | No facility exists. | Nil | Approved by GOI, Go to be issued by GoUk                                             |

|                                       |      |       |                     |     |                                                         |
|---------------------------------------|------|-------|---------------------|-----|---------------------------------------------------------|
| Lalkuan District-Nainital             | 4.2  | 0     | No facility exists. | Nil | DPR approved, In tendering process                      |
| Chimtal District-Nainital             | 2.5  | 0.05  | No facility exists. | Nil | DPR approved, In tendering process                      |
| Dharchula District-Pithoragarh        | 4    | 4     | No facility exists. | Nil | Approved by GOI, GO to be issued by GoUk                |
| Pithoragarh District-Pithoragarh      | 28   | 6     | No facility exists. | Nil | Approved by GOI, GO to be issued by GoUk                |
| Gangolihat District-Pithoragarh       | 1.7  | 0     | No facility exists. | Nil | Approved by GOI, GO to be issued by GoUk                |
| Berinag District-Pithoragarh          | 4    | 1.8   | No facility exists. | Nil | Approved by Gol, Going to be issued by GoUK             |
| Didihat District-Pithoragarh          | 3.6  | 0.1   | No facility exists. | Nil | Approved by GOI, GO to be issued by GoUk                |
| 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 GOI, GO to be issued by GoUk                |
| 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 GOI, GO to be issued by GoUk                |
| Rudraprayag Distt-Rudraprayag         | 4    | 1.26  | No facility exists. | Nil | Approved, Fund issued by Gol                            |
| Kirtinagar District-Tehri             | 1.3  | 1.2   | No facility exists. | Nil | Approved, Fund issued by Gol & State                    |
| 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 GOI, GO to be issued by GoUk                |
| Lambgaon District-Tehri               | 0.85 | 0.55  | No facility exists. | Nil | Approved by GOI, GO to be issued by GoUk                |
| Gaja District-Tehri                   | 1    | 0     | No facility exists. | Nil | Approved by GOI, GO to be issued by GoUk                |
| Chamiyala District-Tehri              | 1    | 1     | No facility exists. | Nil | Approved by GOI, GO to be issued by GoUk                |
| Narendranagar District-Tehri          | 1.2  | 0.35  | No facility exists. | Nil | In Rishikesh Cluster, Approved from Gol, Funds awaited  |
| Kashipur District-U.S.Nagar           | 54   | 2.45  | No facility exists. | Nil | Approved by Gol, Going to be issued by GoUK             |
| Mahua Dabra Hariura District-US Nagar | 3    | 0     | No facility exists. | Nil |                                                         |

|                                        |         |        |                     |     |                                                               |
|----------------------------------------|---------|--------|---------------------|-----|---------------------------------------------------------------|
| Jaspur District-US Nagar               | 25      | 20     | No facility exists. | Nil | Approved by Gol, Going to be issued by GoUK                   |
| Sultanpur Patti District-US Nagar      | 2       | 1.316  | No facility exists. | Nil | In Gadarpur Cluster, Approved by GOI, GO to be issued by GoUK |
| 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 Gadarpur Cluster, Approved by GOI, GO to be issued by GoUK |
| Kichha District-US Nagar               | 25      | 0      | No facility exists. | Nil |                                                               |
| Dineshpur District-US Nagar            | 4       | 0.5    | No facility exists. | Nil | Approved by Gol, Going to be issued by GoUK                   |
| Shaktigarh District-US Nagar           | 1.2     | 0.32   | No facility exists. | Nil | Approved by GOI, GO to be issued by GoUK                      |
| Sitarganj District-US Nagar            | 19      | 19     | No facility exists. | Nil | DPR Approved , Fund issued by Gol                             |
| 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 | DPR Approved , Fund issued by Gol                             |
| Gularbhoj(Dineshpur) District-US Nagar | 5.6     | 5.6    | No facility exists. | Nil | Approve by Gol, Going to be issued by GoUK                    |
| MahuaKheraganj Distt-US Nagar          | 4.5     | 2      | No facility exists. | Nil | Approved by Gol, Go to be issued by GoUK                      |
| Gadarpur District-US Nagar             | 12.5    | 3      | No facility exists. | Nil | In Gadarpur Cluster, Approved by Gol, GO to be issued by GoUK |
| 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 | Approve by Gol, Going to be issued by GoUK                    |
| Gangotri District-Uttarkashi           | 1       | 0      | No facility exists. | Nil |                                                               |
| Purola District-Uttarkashi             | 0.75    | 0.4    | No facility exists. | Nil | Approve by Gol, Going to be issued by GoUK                    |
| Chinyalisaur District-Uttarkashi       | 2.5     | 2.5    | No facility exists. | Nil | Approve by Gol, Going to be issued by GoUK                    |
| Naugoun District-Uttarkashi            | 1.3     | 1.3    | No facility exists. | Nil | DPR approved , Fund issued by Gol                             |
| 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 73 ULBs (9 Clusters serving 34 ULBs and 39 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.
- 04 ULBs individually identified forest land.
- 07 ULBs individually identified revenue land.

$$(73+5+6+7=91)$$

#### VI. Bio-medical Waste Management:

|   |                                             |                                                                                    |
|---|---------------------------------------------|------------------------------------------------------------------------------------|
| ▪ | Total Bio-medical generation                | 3.81 MTPD                                                                          |
| ▪ | 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. |

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, 158000 MTPA plastic waste is collected and recycled by 34 Recyclers)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ▪   | Treatment/Measures adopted for reduction or management of plastic waste                                                               | Plastic compactor are installed at 45 locations in ULBs & proposed at 03 new locations (installation in progress). Revenue of Rs. 146.60 Cr 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 | <p><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.</p> <p><u>Dehradun:</u> Total 177 nos small household drains has been sanctioned under Namami Gange Programme. Work is in progress. 56 No.s I&amp;D works completed at Rispana River &amp; 50% I&amp;D works completed at Bindal River.</p> <p><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 by March-21.</p> <p><u>09 Polluted Stretches:</u></p> <p>A. The 06 Polluting river Stretches (In Kumaon)- Combined DPR estimated cost Rs. 228.40 Crore for the interception of drains &amp; 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</p> |

|        |                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |                                                                                                                                              | <p>this DPR. TPA has carried out field inspection in last week of Dec 2020.</p> <p>B. The Polluting Stretch Kalyani River (Kumaon), DPR is under preparation by UKPJN and expected to be submitted by Mar 2021.</p> <p>C. The Polluting Stretch Suswa River (Dehradun) will be taken up under DPR approved for "I&amp;D works of Rispana and Bindal Under Namami Gange Project.</p> <p>Polytechnic drain or Lakkargha drain is the treated effluent channel for new 26 MLD STP based on SBR technology has been commissioned at Lakkarghat.</p> <p>D. The Polluting Stretch (From Haridwar to Sultanpur) already meeting the bathing criteria.</p> <p>Bio-remediation of drains – DPR of Rs. 2.59 Coroe approved by NMCG for total 19 drains on dated 14-12-2020.</p> <p>06 Drains Kichch River.</p> <p>03 Drains Suswa River.</p> <p>01 Drains Rispana River.</p> <p>01 Drains Bindal River.</p> <p>07 Drains River Bhella, Kichcha and Pilakhar.</p> <p>01 Drains Ukrouli, Sitraganj.</p> <p>UKPJN has invited bids and bioremediation will be started before Kumbh Mela.</p> |
| 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                                                        | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| XIII.  | Latest water quality of polluted river, its tributaries, drains with flow details and groundwater quality in the catchment of polluted river | The analysis report of February 2021 is annexed at <b>Annexure-1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| XIV.   | Groundwater regulation                                                                                                                       | Ground water quality monitoring is carried out on half yearly basis for 09 polluted river stretches. The analysis report of February, 2021 is annexed at <b>Annexure-2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 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                                                                               | <p><u>09 polluted stretches:</u> Out of 09 polluted river stretches, 05 are non-perennial, no flood zoning is required as per irrigation department,</p> <p>01 Ganga river stretches Flood plain zoning has been notified.</p> <p>Rest 03 rivers (Kosi, Suswa &amp; Kichha/Gola) flood plain zoning has been initiated, which will be completed by July 2022.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| XVIII. | Maintaining minimum e-flow of river                                                                                                          | <p>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.</p> <p>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,</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

|        |                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |                                                                                                                 | 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                                                                          | <p>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 <b>5181.00 ha</b> of plantation activities have been completed under the various schemes of Uttarakhand CAMPA.</p> <p>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.</p> <p>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.</p> |
| 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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 /law violators as environment compensation from violators unit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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6

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

| S.No. | Name of Polluted River Stretches | Location | pH   | DO (mg/l) | BOD (mg/l) | COD (mg/l) | EC ( $\mu$ S/cm) | TDS (mg/l) | TSS (mg/l) | Total Coliforms (MPN/100ml) | Faecal Coliform (MPN/100 ml) |
|-------|----------------------------------|----------|------|-----------|------------|------------|------------------|------------|------------|-----------------------------|------------------------------|
| 1     | Dhella                           | US       | 7.9  | 8.1       | 5          | 24         | 460              | 298        | 62         | 540                         | 240                          |
|       |                                  | DS       | 7.4  | 1.8       | 30         | 110        | 930              | 605        | 90         | >1600                       | 920                          |
| 2     | Bhella                           | US       | 8    | 7.5       | 3          | 10         | 240              | 172        | 32         | 280                         | 170                          |
|       |                                  | DS       | 6    | 1.2       | 26         | 96         | 780              | 505        | 64         | 1600                        | 540                          |
| 3     | Kichha                           | US       | 7.9  | 8.5       | 5.8        | 24         | 940              | 680        | 36         | 430                         | 280                          |
|       |                                  | DS       | 8    | 8.8       | 3.6        | 20         | 980              | 723        | 58         | >1600                       | 540                          |
| 4     | Suswa                            | US       | 7.28 | 3.4       | 26         | 94         | 551              | 369        | -          | $\geq$ 1600                 | $\geq$ 1600                  |
|       |                                  | DS       | 7.15 | 8         | 1.4        | 6          | 566              | 367        | -          | 70                          | 46                           |
| 5     | Kalyani                          | US       | 7    | 7.6       | 4          | 20         | 625              | 418        | 40         | 240                         | 130                          |
|       |                                  | DS       | 8.3  | 0.4       | 30         | 150        | 1100             | 932        | 62.5       | 920                         | 430                          |
| 6     | Kosi                             | US       | 7.8  | 7.6       | 5.4        | 16         | 720              | 468        | 54         | 540                         | 350                          |
|       |                                  | DS       | 7.7  | 7         | 9.6        | 28         | 760              | 490        | 65         | 1600                        | 920                          |
| 7     | Pilakhar                         | US       | 7.7  | 6.4       | 5.7        | 24         | 810              | 528        | 28         | 430                         | 210                          |
|       |                                  | DS       | 7.5  | 7.8       | 5.1        | 16         | 750              | 503        | 34         | 540                         | 220                          |
| 8     | Nandhour                         | US       | DRY  |           |            |            |                  |            |            |                             |                              |
|       |                                  | DS       | 7.6  | 8.1       | 3.2        | 12         | 436              | 292        | 38         | 1600                        | 540                          |
| 9     | Ganga                            | US       | 7.72 | 10.8      | 1.2        | 4          | 140              | 92         | -          | 120                         | 63                           |
|       |                                  | DS       | 7.54 | 10.4      | 1.4        | 6          | 142              | 92         | -          | 140                         | 84                           |

Q

Charekha.

The Groundwater Quality of 09 polluted river stretches for the month of FEBRUARY, 2021

| S.No. | Name of Polluted River Stretches | Location | pH                                     | EC $\mu$ S/cm | TDS (mg/l) | COD (mg/l) | Total Hardness (mg/l) | Fluoride (mg/l) | Heavy Metals (mg/l) |       |       |      |       |       |
|-------|----------------------------------|----------|----------------------------------------|---------------|------------|------------|-----------------------|-----------------|---------------------|-------|-------|------|-------|-------|
|       |                                  |          |                                        |               |            |            |                       |                 | Cd                  | Cr    | Ni    | Zn   | Fe    | As    |
| 1     | Dhella                           | US       | 7.7                                    | 440           | 274        | 8.2        | 246                   | 0.21            | <0.001              | <0.05 | <0.01 | <0.2 | 0.135 | <0.01 |
|       |                                  | DS       | 7.5                                    | 480           | 305        | 7.6        | 274                   | 0.34            | <0.001              | <0.05 | <0.01 | 0.23 | 0.146 | <0.01 |
| 2     | Bhella                           | US       | 7.5                                    | 510           | 318        | 8.5        | 260                   | 0.25            | <0.001              | <0.05 | <0.01 | 0.22 | 0.174 | <0.01 |
|       |                                  | DS       | 7.6                                    | 520           | 330        | 7.8        | 252                   | 0.34            | <0.001              | <0.05 | <0.01 | 0.27 | 0.21  | <0.01 |
| 3     | Kichha                           | US       | 8.2                                    | 730           | 467        | 7.3        | 188                   | 0.36            | <0.001              | <0.05 | <0.01 | 0.32 | 0.216 | <0.01 |
|       |                                  | DS       | 8.6                                    | 400           | 258        | 7.6        | 224                   | 0.42            | <0.001              | <0.05 | <0.01 | 0.36 | 0.225 | <0.01 |
| 4     | Suswa                            | US       | Report will be submitted in next month |               |            |            |                       |                 |                     |       |       |      |       |       |
|       |                                  | DS       |                                        |               |            |            |                       |                 |                     |       |       |      |       |       |
| 5     | Kalyani                          | US       | 7.2                                    | 480           | 306        | 16         | 210                   | 0.42            | <0.001              | <0.05 | <0.01 | 0.34 | 0.176 | <0.01 |
|       |                                  | DS       | 8.5                                    | 990           | 698        | 12.6       | 190                   | 0.56            | <0.001              | <0.05 | <0.01 | 0.37 | 0.215 | <0.01 |
| 6     | Kosi                             | US       | 7.7                                    | 410           | 262        | 8.2        | 192                   | 0.48            | <0.001              | <0.05 | <0.01 | 0.27 | 0.189 | <0.01 |
|       |                                  | DS       | 7.6                                    | 440           | 286        | 7.4        | 285                   | 0.52            | <0.001              | <0.05 | <0.01 | 0.3  | 0.208 | <0.01 |
| 7     | Pilakhar                         | US       | 7.2                                    | 880           | 572        | 8.5        | 452                   | 0.38            | <0.001              | <0.05 | <0.01 | 0.26 | 0.184 | <0.01 |
|       |                                  | DS       | 7.3                                    | 660           | 421        | 6.7        | 418                   | 0.49            | <0.001              | <0.05 | <0.01 | 0.37 | 0.218 | <0.01 |
| 8     | Nandhour                         | US       | 8                                      | 790           | 510        | 7.2        | 324                   | 0.36            | <0.001              | <0.05 | <0.01 | 0.28 | 0.162 | <0.01 |
|       |                                  | DS       | 7.3                                    | 440           | 284        | 7.6        | 210                   | 0.47            | <0.001              | <0.05 | <0.01 | 0.34 | 0.225 | <0.01 |
| 9     | Ganga                            | US       | 7.29                                   | 389           | 238        | 8          | 255                   | BDL             | BDL                 | BDL   | BDL   | BDL  | BDL   | BDL   |
|       |                                  | DS       | 7.28                                   | 556           | 345        | 8          | 310                   | BDL             | BDL                 | BDL   | BDL   | BDL  | BDL   | BDL   |

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Chowdhury