**Government of Jammu & Kashmir**
**Forest, Ecology & Environment Department**
**Civil Secretariat**
www.jkforestadm.nic.in

Executive Director (Technical),
National Mission for Clean Ganga,
Department of Water Resources, River Development
& Ganga Rejuvenation, Ministry of Jal Shakti,
Shram Shakti Bhawan, New Delhi

NO:- FST/Lit/135/2018-II Dated: **19**.03.2021.

Subject:- Monthly Progress Report by States/UTs, Hon'ble NGT in the matter of OA No. 673/2018 dated 24.09.2020 for the month of **February, 2021.**

Sir,

I am directed to enclose herewith copy of Monthly Progress Report (as per revised format) in compliance to the Hon'ble NGT order dated 24.09.2020 in respect of J&K UT for the month of **February, 2021** for favour of information and further necessary action.

**Yours faithfully,**

19/03/2021

**(Amit Sharma) KAS**
**Special Secretary to Government**
**Forest, Ecology & Environment Department**

19/3

**Encls: As above.**

Copy to the:

1. Member Secretary, Central Pollution Control Board, New Delhi alongwith copy of Monthly Progress Report in respect of J&K UT for the month of January, 2021.
2. Private Secretary to the Commissioner/Secretary to Government, Forest Environment and Ecology Department for information of the Commissioner/Secretary.

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**Revised 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)**

Union Territory of **Jammu and Kashmir**
**For the month of February, 2021**

Overall status of the UT :

**I.** **Total Population** : Urban Population & Rural Population separately (***projected 2020***)
a) Urban Population = **48.43** lac
b) Rural Population = **101.57** lac

**II.** **Estimated Sewage Generation** (MLD):
a) Urban @ 108 lpcd= **523** MLD
b) Rural @ 44 lpcd= **447** MLD

**III.** **Details of Sewage Treatment Plant :**

**A- Details of each existing STP in the UT of J&K**

**i) In Jammu**

| No. | Location | Existing STP Capacity (MLD) | Capacity being utilized (MLD) | Operational status of STP | Remarks |
|---|---|---|---|---|---|
| 1 | Bhagwati Nagar, Distt.Jammu | 30 | 13+7=20 | Operational | Polluted River Stretches (PRS) |
| 2 | Bhagwati Nagar, Distt.Jammu | 27 | 07 | Under testing and Commissionin | PRS |

| | | | | | |
|---|---|---|---|---|---|
| | | | | g | |
| 3 | Bhagwati Nagar | 10 | Nil | Under Refurbishment | PRS(**Refurbishment of 10 MLD STP at Jammu expected to be completed by March 2021)** |
| 4 | Jagti,Distt.Jammu | 4 | 2 | Operational | Other than PRS |
| 5 | Katra,Bhawan, Distt.Reasi. (SMVDSB) | 3.2 | - | - | Under the Control of Shri Mata Vaishno Devi Shrine Board. |
| 6 | Katra Adhkwari (SMVDSB) | 0.4 | - | - | Under Control of Shri Mata Vaishno Devi Shrine Board. |
| | **Total(In Jammu)** | **74.60 MLD** | **-** | | |

**ii) In Kashmir**

| **No.** | **Location** | **Existing STP Capacity (MLD)** | **Capacity being utilized (MLD)** | **Operational status of STP** | **Remarks** |
|---|---|---|---|---|---|
| **1** | Mehndi Kadal,Distt.Anantnag | 4.0 | 2 | Operational | Pollution River Stretches(PRS) |
| **2** | Hazratbal, Distt. Srinagar | 7.5 | 7 | Operational | Other than PRS |
| **3** | Habak, Distt. Srinagar | 3.2 | 3.2 | Operational | Other than PRS |
| **4** | NishatLaam, Distt. | 4.5 | 4.5 | Operational | Other than PRS |

| | | | | | |
|---|---|---|---|---|---|
| | Srinagar | | | | |
| **5** | Barinambal (Old), Distt. Srinagar | 17.1 | 17.1 | Operational | Other than PRS |
| **6** | Barinambal (New), Distt. Srinagar | 16.1 | 13.1 | Operational | Under the Control of J&K LAWDA, Srinagar. |
| **7** | Nallah Amir Khan, Distt. Srinagar | 5.4 | 4 | Operational | Under the Control of J&K LAWDA,Srinagar. |
| **8** | BadamiBaghCantt, Distt. Srinagar | 5 | – | | Under the Control of BadamiBagh Cantonment Board. |
| **9** | Pahalgam, Distt. Anantnag | 2 | 1 | Operational | Under the Control of Tourism Department, J&K, Srinagar. |
| | **Total(In Kashmir)** | **64.8 MLD** | **-** | | |
| | **Total (In J&K)** | **139.40 MLD** | **-** | | |

**B- Details of under construction STPs in the UT of J&K**

**i) In Jammu**

| **No.** | **Location** | **Capacity of the Plant in (MLD)** | **Physical Progress in %** | **Status of I&D or House sewer connections** | **Completion Time** | **Remarks** |
|---|---|---|---|---|---|---|
| 1 | Beli Charana Distt.Jammu | 4 | 80% | **House sewer connections (In Nos.)** Target=4929 Achieved=Nil | 6/2021 | (PRS Tawi) |
| **In Udhampur District** | | | | | | |
| 2 | Baryal, Distt. | 8 | **Approach Road Work** | **House sewer connections (In** | 12/2021 | PRS Devika |

| | | | | | | |
|---|---|---|---|---|---|---|
| | Udhampur | | **Started** | **Nos.)**<br>Target=13460<br>Achieved=Nil | | |
| 3 | Omara,Distt. Udhampur | 4 | Not Started Yet | **House sewer connections (In Nos.)**<br>Target=6632<br>Achieved=Nil | 12/2021 | PRS Devika |
| 4 | Pitan,Distt. Udhampur | 1.6 | Not Started Yet | **House sewer connections (In Nos.)**<br>Target=2724<br>Achieved=Nil | 12/2021 | PRS Devika |
| 5 | Patnitop,Distt. Udhampur | 1.2 | 80% | **House sewer connections For Hotels/Huts/Houses. (In Nos.)**<br>Target=100<br>Achieved=Nil | 3/2021 | Other than PRS |

**ii) In Kashmir**

| **No.** | **Location** | **Capacity of the Plant in (MLD)** | **Physical Progress in %** | **Status of I&D or House sewer connections** | **Completion Time** | **Remarks** |
|---|---|---|---|---|---|---|
| 1 | Noor Bagh, Palpora Distt. Srinagar | 60 | 75% | **House sewer connections (In Nos.)**<br>Target=16139<br>Achieved=5306 | 3/2021 | Other than PRS Under NBCC |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Rajbagh, Srinagar | 2.21 | **Work Stopped by the Revenue Dept.** | Nil | **9/2022** | Other than PRS |
| 3 | Tengpora, Srinagar | 6 | **15%** | Nil | **7/2033** | Other than PRS |
| 4 | Charar-i-Sharief, Kashmir | 2 | Work allotted(**Work of Approach Road to STP Site is with another contractor due to which work not started yet. Hopefully It will be started in upcoming month**.) | **House sewer connections (In Nos.)** Target=3300 Achieved=Nil | **9/2022** | Other than PRS |
| 5 | Baramulla | 3 | **5%** | **House sewer connections (In Nos.)** Target=5550 Achieved=Nil | **5/2022** | Other than PRS |
| **STPs pertaining to Jammu Development Authority** | | | | | | |
| 01 | JDA Flats at Muthi Jammu | 160 KLD | **88%** | **For flatted Accommodation** | Two Months<br><br>Incremental progress:- Installation in | STP can be put to use only after the availability of permanent three phase power supply for which the construction of sub station is in progress by JPDCL. |

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| | | | | | Progress | |
| 02 | General Bus Stand cum Shopping Complex , Jammu | 240 KLD | **90 %** | **For General Bus Stand** | Two months<br><br>Incremental progress:- Testing and commissioning to be done | STP can be put to use only after the testing and commissioning of STP and subject to the availability of minimum<br>Of 90 KLD sewage on daily basis. |

**C- Details of Proposed STPs in the UT of J&K**

| **No.** | **Location** | **Capacity of the STP Proposed in (MLD)** | **Status of Project (at DPR Stage/Under Tendering/work to be Awarded %** | **Likely Date of Completion** | **Remarks** |
|---|---|---|---|---|---|
| 1 | Peerkho Jammu (For I&D of right bank 13 nos. Nallahs Polluting Tawi) | 10 | DPR amounting Rs.41.84 Cr submitted to **NRCD** for consideration/release of funds vide letter no. HUD /Plan/16/2019/SP Dated:11.12.2020. | 2 years after sanction of Project | PRS Tawi |
| 2 | Katra Town | 4.5 | DPRamounting Rs.95.69Crs presently with | 2 years after sanction of Project | PRS Banganga |

| | | | | | |
|---|---|---|---|---|---|
| 3 | Katra Town | 1.3 | NRCD after having been received from IIT(Roorkee)post clarification of comments/observations. | 2 years after sanction of Project | PRS Banganga |
| 4 | Samba Town | 3.5 | DPR amounting Rs.70.60 Cr submitted to **NRCD** for consideration/release of funds vide letter no. HUD /Plan/16/2019/SP Dated:11.12.2020. | 2 years after sanction of Project | PRS Basanter |
| 5 | Akhnoor Town | 5.0 | DPR amounting Rs.123.21 Cr submitted to **NRCD** for consideration/release of funds vide letter no. HUD /Plan/16/2019/SP Dated:11.12.2020. | 2 years after sanction of Project | PRS Chenab |
| 6 | Kathua Town | 19.1 | DPR amounting Rs.265.23 Cr submitted to **NRCD** for consideration/release of funds vide letter no. HUD /Plan/16/2019/SP Dated:11.12.2020. | 3 years after sanction of Project | Other than PRS |
| 7 | Hiranagar Town | 2.5+1.5 =4 | 96Cr(approx.)Proposed SBR Technology | 2 years after sanction of Project | Other than PRS |
| 8 | Vijaypur Town | 3+4=7 | 145 Cr(approx.) Proposed SBR Technology | 2 years after sanction of Project | Other than PRS |
| 9 | Bari Brahmana Town | 2.5+3.5 =6 | 135 Cr(approx.) Proposed SBR Technology | 2 years after sanction of Project | Other than PRS |

| | | | | | |
|---|---|---|---|---|---|
| 10 | Arnia Town | 2.5+1.5 =4 | 94 Cr(approx.) Proposed SBR Technology | 2 years after sanction of Project | Other than PRS |
| 11 | R.S.Pura Town | 2.5+3.5 =6 | 138 Cr(approx.) Proposed SBR Technology | 2 years after sanction of Project | Other than PRS |
| 12 | Bishnah Town | 2+2.5=4 .5 | 98 Cr(approx.) Proposed SBR Technology | 2 years after sanction of Project | Other than PRS |
| 13 | ChuntKol, Srinagar | 5 | DPR duly vetted by the DCW for Rs.40.44 Crsis submitted to Secretary, GoI, Ministry of Jal Shakti for Consideration/Sanction of DPR by the Deputy Director (P&S),H&UDD vide letter no. HUD /Plan/16/2019/SP Dated:11.12.2020. | 2 years after sanction of project | PRS Jehlum |
| 14 | Gawkadal, Srinagar | 3 | DPR duly vetted by the DCW for Rs.26.22 Crsis submitted to Secretary, GoI, Ministry of Jal Shakti for Consideration/Sanction of DPR by the Deputy Director (P&S),H&UDD vide letter no. HUD /Plan/16/2019/SP Dated:11.12.2020. | 2 years after sanction of project | PRS Jehlum |
| 15 | Anantnag Sewerage Scheme(Phase-2nd/3rd)on SBR Technology | ***18*** | DPR under preparation | 3 years after sanction of project | PRS Jehlum |
| 16 | Bijbehra, Town | ***3*** | DPR under preparation | | PRS Jehlum |

| | | | | | |
|---|---|---|---|---|---|
| 17 | Awantipora | ***1.6*** | | | PRS Jehlum |
| 18 | Pampore | ***2.7*** | | | PRS Jehlum |
| 19 | Ganderbal | ***8*** | **DPR vetted by Dev. Commissioner Works for an amount of Rs. 96.22 Cr.** | 2 years after sanction of project | |
| 20 | Sonamarg | 1 | Tender floated proposed SBR technology | 2 years after sanction of project | Under the Control of Tourism Department, J&K, Srinagar. |
| 21 | Gulmarg | 2.5 | Proposed SBR technology | 2 years after sanction of project | Under the Control of Tourism Department, J&K, Srinagar. |
| 22. | Gupt Ganga | 30.0 | Proposal submitted to Govt. | Nil | Under the control of J&K Lakes and Waterways Development |

## IV. Details of Industrial Pollution:-

| No. of Industries in the UT of J&K | | No. of Water Polluting Industries in the UT ofJ&K | Quantity of Effluent generated from the Industries inMLD | Number of Industrial units having functional ETPs | Compliance Status of the ETPs | Number and total capacity of Existing CETPs |
|---|---|---|---|---|---|---|
| **Jammu** | 4746 | 164 | 16.35 | 160 | 154 | 11 (1 existing, 9 under construction, 1 proposed) |
| **Kashmir** | 5554 | 74 | 4.89 | 74 | 59 | 10 (1 existing and 9 proposed) |
| **Total** | **10300** | **238** | **21.24*** | **234** | **213** | **21** |

*#***(Data of quantity of effluent generated from the industries is reconciled)***

**Status of compliance and operation of the CETPs :**

| No. of Industries | Industrial discharge | Status of ETPs | | Status of CETPs | | |
|---|---|---|---|---|---|---|
| | | Functional | Without ETP | Existing | Under Construction | Proposed |
| **162** (Jammu) | **9** MLD | **160** | **2** | **1** | **2** | |
| | | | | Ghatti,Ph-I = **0.45** MLD | a) IGC Samba, P-I = **1.0** MLD<br>b) IGC Samba, P-II= **1.0** MLD<br>c) IGC Samba, P-II= **0.5** MLD<br>d) IGC Samba, P-III= **0.5** MLD | |
| | | | | | a)B.B. Ph-I = **3*0.5** MLD<br>b)B.B. Ph-I=**1.5** MLD<br>c)B.B. Ph-II=**1.5** MLD | a) EPIP Kartholi, B.B.=**0.5** MLD. |
| **92** (Kashmir) | **5** MLD | **56** | **36** | IGC Lassipora **=0.6**MLD | | **a)** Electronic Complex, Rangreth **= 1**MLD<br>**b)** Food Park, Doabgah, Sopore =**0.30 MLD**<br>**c)**Ind Estate, Shalteng =**0.30**<br>**d)**Ind Estate, Khonmuh, Ph-I =**0.50** MLD<br>**e)**Ind Estate, KhonmuhPh-II= **0.50** MLD<br>**f)**IGC Pulwama, Location=**0.50** MLD,<br>**g)**IGC, Pulwama, Location 4=**3**x**0.50** MLD |

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|---|---|---|---|---|---|---|
| **254** | **14** | **216** | **38** | **2** | **9** | **10** |

## V. Solid Waste Management

| **Points** | **Urban Local bodies Kashmir** | **Srinagar Municipal Corporation** | **Jammu Municipal Corporation.** | | **Urban Local Bodies Jammu** | |
|---|---|---|---|---|---|---|
| • Total number of Urban Local Bodies and their Population | **40 ULBs** (10 Municipal Councils & 30 Municipal Committees) Total Population: **835049 Souls** | 1. Srinagar Municipal Corporation. 2. Population: **11.92 lacs as per 2011 Census.** | Population: **696291 (2019)** | | There are **36 ULBs** in Jammu province with **392585** population as per 2011 Census. | |
| • Current Municipal Solid Waste Generation | **366 TPD** | **450 MTS per day (total generation in the city)** | **470 TPD** | | **230.10 Metric Ton Garbage generated in all 36 ULBs.** | |
| • Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- | **0** | **i)** Vide communication dated 13.01.2021, M/S. Syntech Bioenergy pvt. Ltd., Project Developer, Srinagar Waste-to-Energy Plant has | MSW Processing facilities and installed capacity (TPD) | Utilization of existing MSM processing facilities (TPD) | Waste to Energy (Tonnage and Power Output) | Nil |
| | | | | | Compost plants | 3 Municipal Committees viz. |

| | | | | | | |
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| i. Waste to Energy (Tonnage and Power Output),<br><br>ii. Compost Plants (Windrow, Vermi, decentralized pit composting),<br><br>iii. Biomethanation, MRF etc | **Plants (09 TPD Capacity)**<br><br>**NIL** | been advised to move an application before JERC for vetting and adoption of discovered rates/tariff and get in writing any observation raised by JERC & forward the same to SMC for further course of action. After signing of PPA, project developer is under obligation to complete the project within 18 months.<br><br>ii) Compost is produced of organic fraction of waste by erecting windrows and sieving it at 4mm trammel at dumping site Achan.<br>iii) A Material Recovery Facility (MRF) is operational at SMC's dumping site where 24 Rag Pickers are working and recovering the | MRF 1:**30-40 TPD** | 20-30 TPD | (Windrow, Vermi, decentralized pit composting), | MC Doda, MC Bhaderwh and MC Sunderbani with SWM Composting Plants.<br>Composting has also been initiated in MC Udhampur for treatment of Wet Waste.<br>Composting Machinne in MC R.S. Pura for composting wet waste with capacity of 200 kg/day is being installed shortly. |
| | | | MRF 2:**30-40 TPD** | 5-10 TPD | Biomethanation | Nil |
| | | | Composting: **50 TPD** | 40 TPD | MRF (Material Recycle Facilities | Recycling of collected garbage is done at MSW processing facilities at MC Katra, MC Doda, MC Bhaderwah and MC Sunderbani,.<br>**In addition to this the rag pickers on** |

| | | | | | | |
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| | | recyclable material. The Rag Pickers have collected 358.465 MTs of plastic waste etc. at MRF upto January, 2021. | | | | **their own segregate reusable garbage for recycling from the identified garbage dumping sites.**<br>The Directorate has prepared a plan of action for construction of MRF for the following ULBs in the first phase:<br>Municipal Council Kathua,<br>MC Reasi,<br>MC Poonch<br>MC Udhampur<br>The other Municipal councils/committees will also be covered in the 2nd Phase of developing MRF. |
| **Points** | **Urban Local bodies Kashmir** | **Srinagar Municipal Corporation** | **Jammu Municipal Corporation.** | | **Urban Local Bodies Jammu** | |
| • Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%) | Proposal for Decentralized facilities already submitted. | An Action Plan for door-to-door waste collection, source segregation of waste, primary and secondary transportation of | a. Initiatives for waste to compost have been taken under which composting of leaves at Zanana Park, Digiana Park, | | The process of developing of Solid Waste management plants is underway and for that land has been transferred in favour of 13 MCs (Poonch, Kathua, Reasi, Sunderbani, Ramban, Batote, Doda, Bhaderwah, Udhampur, | |

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| | | waste, scientific processing of waste formulated. | and Rotary Bhawan Gandhi Nagar is in progress. The other parks are also being covered shortly. Moreover, for recycling of dry waste IPCA (EPRO) has been working in Jammu city and UNDP is constructing MRF at Bhandurath site. The objectives of this partnership are as under:-<br>• To bring a sense of responsibility among the citizens for their waste management.<br>• To bring about behavioural change and awareness among the masses on issue of waste management, particularly zero littering, segregation and waste collection.<br>• Put appropriate efforts for plastic | Akhnoor, Khour, Jourian and Ramnagar) and the transfer of land in respect of the other UlBs is also under process at various levels. Simultaneously the Administrative Department is working on framing DPR for development of SWM plants on modern lines. In respect of MCs at Doda , Bhaderwah and Sunderbani, the existing MSW processing plants would also be upgraded on the modern lines. Apart from this, in Municipal council Udhampur Kill to Waste plant using heat technology has been installed which takes care of 1.50 ton of garbage daily. Composting of wet waste has also been initiated at Sui Chakar in Udhampur after segregation of dry and wet waste as per laid down guidelines. |

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| | | | waste management in Jammu, which include collection of non-recyclable plastic waste and channelize plastic waste to waste processing facility (waste to energy) of JMC.<br>b) As per proper action plan, JMC and UNDP has taken steps for plastic waste management in 10 identified wards (W. No. 45, 50, 51 , 52, 53, 55, 56, 57, 58 & 68) of Jammu City. UNDP will also work with JMC as partner in collection segregation and transportation of plastic waste to recyclers. UNDP with JMC is also carrying out media campaigns.<br>c) JMC has hired an agency for IEC | |

| | | | | |
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| | | | activity in city regarding Plastic Waste Management Rules, 2016, Solid Waste management Rules 2016, C&D waste management Rules, 2016 and BMW Rules, 2016 and other different activities for generating awareness in general public.<br>d) JMC has started vermi compost unit at JMC Stray Cattle Pound Dogra hall in which dung of stray cattles is being converted into vermi compost and thereafter used in different JMC Parks. Till date about 30 MT compost has been used. JMC has also started sale outlet at Town Hall for general public.<br>e) JMC has installed 06 cubic | |

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| | | | meter Bio-gas plant by using stray cow dung at JMC Cattle Pound at Dogra Hall.<br>f) After awareness by JMC, 03 dairy unit owners have also installed 6 cum biogas units, are each at Buta Nagar, Shakti Nagar and Sanik Colony. These units are using biogas for cooking.<br>g) JMC is collecting the fresh vegetable waste on daily basis from different vegetable Mandies within the city and feeding it to the stray animals at JMC Cattle Pound Dogra Hall and Municipal Animal Care Centre Roop Nagar.<br>h) JMC is also collecting flowers from 25 temples and | |

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| | | | utilizing old waste flowers for compositing. Two Aggarbati manufacturing units using fresh flowers collected from temples have also been installed in association with Regional Indian Red Cross Society, Jammu with the help of Self-Help Groups. 700 kg flowers per day collected from different Temples are being used for compost and making aggarbattis. An outlet for Sale of agarbattis has been opened at Town Hall Complex, Jammu.<br>i) JMC launches campaigns for plastic waste management and solid waste management at regular intervals with the help of SHGs, | |

| | | | | |
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| | | | NGOs and schools. The themes of these campaigns are Plastic free rallies, cleaning of plastic waste from roadsides and households by students/volunteers.<br>j) Time to time HMC organizing multiple programs for the community on PWM.<br>k) JMC engaged on IEC partner M/s AIILSG to organize the activities in JMC jurisdiction. | |
| **Points** | **Urban Local bodies Kashmir** | **Srinagar Municipal Corporation** | **Jammu Municipal Corporation.** | **Urban Local Bodies Jammu** |
| No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction) | Proposal for establishment of C&D Waste Processing facilities at two identified ULBs have been taken up with Building Centre. | The SMC is contemplating to set up **100 TPD capacity** C&D Waste Processing Plant in Saidapora, Achan. The DPR is under process.<br><br>One collection centre at dumping | Existing: One collection centre at Bhagwati Nagar site.<br>Proposed:- Tendering Stage | As on date, no C&D processing plant has been established in any of the UlBs of jammu Province. However, 6 sites at Kathua, Udhampur, Poonch, Ramnagar, Reasi & Akhnoor, Jourian, Khour have been notified for dumping of C&D Waste.<br>A survey is being conducted in all ULBs to determine the quantity of C&D waste generated. From the |

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| | | site Achan, Srinagar already notified. | | survey, it transpired that the waste generation under C&D varies each month. However, some of MCs have been able to determine the average waste generated per month in respective MCs which varies from 500 kg to 5 tons per month. A notification has been issued wherein the concerned CEOs/EOs have been directed to dump C&D waste at the identified site only. A plan of action for the proper disposal of C&D waste is under preparation in this Directorate. |
| **Points** | **Urban Local bodies Kashmir** | **Srinagar Municipal Corporation** | **Jammu Municipal Corporation.** | **Urban Local Bodies Jammu** |
| Total no. of wards,<br><br>no. of wards having door to door collection service,<br><br><br><br>no. of wards practicing segregation at source | **529**<br><br>**427**<br><br><br><br>**22** | **35**<br><br>85 % in all 35 Municipal Wards<br><br><br><br>Segregated waste collected in selective areas of **15 Municipal Wards** | **75 wards**<br><br>**75**<br><br><br><br>**50%-60%** | **446**<br><br>**405**<br><br><br><br>**101**<br>**Not everywhere people practices segregating garbage at source. However all the MCs through various IEC activities educate people about the importance of segregating waste at source. Time to time** |

| | | | | |
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| | | | | **the respective MC's have distributed separate bines garbage collection at source so that segregated garbage is available for proper disposal.**<br>**100% door to door collection in all 446 wards with segregation at source is being pushed. 100% source segregation in all wards is targeted to be achieved ending September, 2021.** |
| **Points** | **Urban Local bodies Kashmir** | **Srinagar Municipal Corporation** | **Jammu Municipal Corporation.** | **Urban Local Bodies Jammu** |
| Details of MSW treatment facilities proposed and under construction (no., capacity, and technology) | **Six SWM facilities for 22 ULBs** of Kashmir Division have been approved on cluster basis having total capacity of 380 TPD at a project cost of **Rs.144.20 Crores** and technology proposed is **Composting** | 1. Letter of Intent for establishment of 5MW capacity Waste-to-Energy plant capable to deal 500+/- 125 MT/D already issued. The plant is based on Gasification Technology. The SMC has already handed over land | **2 MSW treatment facilities** proposed with 450 TPD capacities,<br>**Technology:-**<br>Aerobic Composting, Biogas and MRF Centres. | At present the development of MSW treatment facilities are in the process of DPR formulation at Administrative Department level.<br>In all 13 ULBs where land is available, establishment of MSW facilities should be initiated once the DPRs are finished.<br>The Directorate has submitted plan of action for creation of Material Recovery Facility (MRF) initiated in the following ULBs:<br>1. Municipal Council, Kathua<br>2. MC Reasi<br>3. MC Poonch |

| | | | | |
|---|---|---|---|---|
| | RFPs have been floated on number of times. Meanwhile a comprehensive proposal for **decentralized waste to compost treatment** plants for all ULBs have been formulated taking into consideration the population projection for the year 2025. | measuring 10 acres to the project developer who has undertaken civil works at site.<br>2. Construction of landfill cell No. IV at dumping site Achan, Srinagar stands already tendered. Bids received, Technical and financial evaluation of bids already done. Proposal for AA submitted to H&UDD. Proposal under examination in H&UDD<br>3. Bioremediation/bio-mining of legacy waste tendered. Bids received and technical/financial evaluation | | 4. MC Udhampur. |

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| | | already done. Proposal for AA submitted to H&UDD shortly. Proposal under examination in H&UDD<br>4. A 100 TPD Capacity C&D waste processing plant to be set up at Achan. DPR under preparation. | | |
| **Points** | **Urban Local bodies Kashmir** | **Srinagar Municipal Corporation** | **Jammu Municipal Corporation.** | **Urban Local Bodies Jammu** |
| No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills. | 17 Municipal Committees have furnished details of 28.26 Acres of uncontrolled Land/Garbage dumping sites and sanitary land fill. | The area of waste processing facility of SMC is spread over an area of 113 acres situated at Saidapora, Achan. Three landfill cells have already been constructed. Cell Nos. 1&3 already closed and capped. Cell No. 2 is presently in | Uncontrolled Garbage Dumpsites:- 2 (Bhagwati nagar and Kothbalwal), spread over is 32 acres and 19.5 acres respectively. Bhagwati Nagar dumping site is under remediation process. | **85.75** acres of land is being utilized in various ULBs as Garbage Dumpsites and Sanitary Landfills. |

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|---|---|---|---|---|
| | | operation. | | |
| No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers | 08 | None, In the buffer within 1 KM of rivers | Legacy waste site: 01 (Remediation started)<br>Area of legacy waste: 32 acres. | NIL |
| No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers | As received from different ULBs 98 Drains have been drains out towards water bodies. | SMC has constructed 120 Trash Guards alongside the water channels from Khojyarbal to Nowpora to arrest the waste from entering the water channel and has put 6 Boatmen-cum-Safaiwalas on job to collect waste from these Trash Guards on daily basis. | No. of drains falling into rivers: 26<br>No. of drains installed screens: 0 | NIL |

## 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 |
|---|---|---|---|---|---|---|
| **Urban Local bodies Kashmir** | **40** | **366** | **9** | **2**<br>**(Two Waste to compost plants at Pahalgam and Tangmarg ULB)** | **9 TDP** | **A comprehensive proposal for decentralized waste to compost treatment plants for all ULBs have been formulated taking into consideration the Population projection for the year 2025 .** |
| **Srinagar Municipal Corporation** | 1 | **450 TPD** | **112.50 TPD** | **1. Mechanical Segregator;**<br>**2. Land filling.** | **30 TPH capacity Mechanical Segregator.**<br>**80% land filling in land fill Cell No. 2.** | 1. Waste to Energy Plant shall be commissioned within 18 months after signing of Power purchase agreement among the parties;<br>2. Bioremediation of the existing landfill cells shall be taken up immediately after administrative approval is accorded to the proposal.<br>3. The Construction of landfill cell No. IV shall be taken up for execution after accord of Adm. Approval. |
| **Jammu Municipal Corporation.** | 1 | **470 TPD** | **80 TPD** | **03** | **60-70%** | 2 (125 TPD SWM and 270 TPD) probably work will be started in **March, 2021.** |
| **Urban Local Bodies Jammu** | 36 | **235.71 TPD** | **55 TPD** | 3 Municipal Committees of Doda, Bhaderwah and Sunderbani have SWM Composting Plants. | **60- 70 %** | An Action Plan for development of decentralized facilities has been vetted by IIT Jammu and shall be placed before the SLAC for its approval. |

**VI- Bio-medical Waste Management:**

- Total Bio-medical generation:
  a) Jammu = **1094.52** Kg/day as per Annual Report 2019
  b) Kashmir = **4808.1** Kg/day as per Annual Report 2019
  **Total**=**5902.62** Kg / day

**Covid-19 Bio-medical waste for the month ofJanuary-2021 :**

  a) Jammu = **9497.02**Kg/Month
  b) Kashmir = **2373.4** Kg/Month
  **Total = 11870.42 Kg/Month**

- **No. of Hospitals and Health Care Facilities**:
  a) Jammu = **3641**
  b) Kashmir =**2965**
  **Total = 6606**
- **Status of Treatment Facility/ CBMWTF**: **3 Operational Facilities** with PCDs. OCEMS installed in two facility
  a) M/s Anmol Health care, Jammu
  b) M/s Kashmir Health Care System, Kashmir).
  c) M/s Clean City Waste Management, Kashmir (OCEMS not installed)

**VI- Hazardous Waste Management:**

- Total Hazardous Waste generation:

a) Jammu = **981.026** MT / Annum.

b) Kashmir=**231.50** MT/Annum.
**Total= 1212.526 MT / Annum**

- No. of Industries generating Hazardous waste :

a) Jammu = **227**
b) Kashmir =**11**
**Total**=**238**

- Treatment Capacity of all TSDFs :
  TSDF under construction at IGC Samba

- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated:
  Hazardous waste is disposed off through TSDFs located outside from J&K, authorized by J&K PCB *viz* a) M/s Bharat Oil and Waste Management Ltd, Kanpur Dehat (UP) b) M/s BEIL Infrastructure Ltd, Ankleshwar, Gujarat.

- Details of on-going or proposed TSDF:The TSDF facility is under construction in IGC Samba by M/s Ramasethu Infrastructure Pvt Ltd, to be completed by December 2020 tentatively.

## VII- Plastic Waste Management:-

- Total Annual Plastic Waste generation in J&K = **74826** MT/Annum (app.), with monthly average of **6200** MT (app.)

- Seizure done (April to February 2021)

a) Polythene = 18953.05 kg
b) SUP = 1268.65 kg
**Total** = **20,221.70 kg.**

- Treatment/ Measures adopted for reduction or management of plastic waste:

a) Regular seizure of illegal polythene and banned SUP by Anti-Polythene Squad
b) Using seized polythene in overlaying of roads.
c) Using seized polythene in cement kilns along with conventional fuels.

| | **Srinagar Municipal Corporation** | **Jammu Municipal Corporation** | **Directorate of Urban Local Bodies, Jammu.** |
|---|---|---|---|
| Total - waste generation. | As per the analysis of waste conducted at landfill site Achan on 24/1/2013, the waste has about 6% plastics. Therefore, the plastic waste collected at dumping site is around **24-27 TPD** based on analysis done in the year 2013. | 40 TPD | **8554 MT per Annum**. |
| Treatment/Measures adopted for reduction or management of plastic waste. | There is no treatment facility set up as on date. However;<br><br>One number MRF has been set up at dumping site where 24 Rag Picker are integrated with material recovery.<br><br>The SMC is launching sustained awareness to educate citizens about the harmful effects of plastic made items, penalties etc & exhorts them to refrain from using plastic or plastic made items.<br><br>SMC has set up at landfill site at Achan where more than 24 rag pickers are segregating plastic waste from Municipal Solid Waste. From September 2018 to January 2021, the Rag Pickers have collected **358.465 MTs** of Plastic waste at Landfill site Achan. | • 2 number of MRF has been setup in Jammu city and integrated with informal waste pickers working in the city limit, 2 more MRF are under planed to be setup for dry waste generated in the city.<br>• ICE agency has been hired for creating awareness among citizens, for segregation of waste at source level and to avoid single use plastic, disposable plastic. Awareness program has been started since 26 Oct 2020.<br>• A dedicated team has been set up to enforce the Plastic Waste Management Rules, 2016 and Solid Waste Management Rules, 2016.<br>• JMC ensuring segregation, collection, storage, transportation, processing and disposal of plastic waste.<br>• JMC ensures that no damage is caused to the environment during this process of plastic waste and planning for setting up new MRF centers in city. | a. The use of polythene below 50 microns has been banned.<br>b. Use of polythene is penalized by way of fine to discourage people from using it.<br>c. Segregation at source and segregation at dumping sites is encouraged for recycling of Plastic Waste.<br>d. Awareness campaigns are organized discouraging people from using polythene. |

| | | | |
|---|---|---|---|
| | 12 Cement factories operating within the radius of 100 Kms from dumping site Achan, Srinagar have been issued with notices to lift the RDF including plastic/polythene for its utilization in their combustion kilns. During the current year, one cement manufacturer, namely, Tramboo Cement Industries Pvt. Ltd., has lifted 5885 kgs of RDF from SMCs dumping site. Another cement manufacturer, namely, Khyber industries Pvt. Ltd., has recently requisitioned for supply of one truck load of RDF.<br>1. To enforce strict ban on sale, stock and carrying of polythene bags of <50 microns thickness, the SMC from Jan-2018 has seized and destroyed **36.16** Qtls of banned polythene within the limits of Srinagar City and realized Rs. 2,79,500 lacs as fine from the defaulters in **215** anti-polythene drives. The SMC has also constituted a squad to check the polythene menace in the city. | • JMC ensures channelization of recyclable plastic waste fraction to recyclers after processing through MRF centers.<br>• JMC ensures processing and disposal on non-recyclable fraction of plastic waste in accordance with the guidelines issued by the Central Pollution Control Board.<br>• JMC creating awareness among all stakeholders about their responsibilities. IEC agency has been hired for awareness in citizens for segregation of waste at source level and try to avoid single use plastic, disposable plastic even ULB has been notified fine for violators.<br>• JMC engaging civil societies or groups working with waste pickers; and<br>• JMC ensuring that open burning of plastic waste does not take place | e. 3 sites have been identified for depositing e-waste for its proper disposal. |

**VIII- Details of Alternate Treatment Technology being adopted by the State/UT : Septage Treatment Plants commissioned as Alternate Treatment Technology:**

i) Bhagwati Nagar Jammu **=164** KLD

ii) Anantnag =**62** KLD

iii) AlluchiBagh =**164** KLD

iv) Achan =**130** KLD

**IX- Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:-**

**Identification of Pollution Sources in Nine (09) Polluted Rivers in UT of Jammu and Kashmir ,as per Approved Action Plan:-**

| S. No. | Polluted River Stretch | Source of Pollution | Drains | Drain Flow (MLD)as per UEED data |
|---|---|---|---|---|
| **1.** | **River DevakUdhampur** | a) Un-treated sewage pollution from Municipal drains<br>b) Unabated disposal of Municipal Solid Waste. | No. of drains = **13**<br>i) Housing Colony<br>ii) MH to Devika<br>iii) MH Chowk<br>iv) Shiva Nagar near SSP office<br>v) Meat Market<br>vi) Model School<br>vii) Near BhartiVidyaMandir<br>viii) RaghunathMandir<br>ix) Chabbutra Bazar<br>x) Opp. AryaSamajMandir<br>xi) Opp. GeetaBhawan<br>xii) Near Dak Bungalow<br>xiii) Link Road to Devika | (**8.69 MLD**)<br>1.18<br>0.71<br>0.12<br>0.84<br>1.6<br>0.94<br>1.52<br>0.07<br>0.19<br>0.87<br>0.23<br>0.31<br>0.11 |

| | | | | |
|---|---|---|---|---|
| **2.** | **Banganga , Holy Stream, Katra** | a) Untreated Solid and Liquid waste disposal from pony sheds.<br>b) Un-treated sewage from nearby localities/establishments.<br>c) Unabated disposal of Municipal Solid Waste.<br>d) Sewage pollution from minor/major establishments. | No. of drains = **7**<br>From Balani Bridge to GeetaMandir:-<br>i)Nallah 1<br>ii)Nallah 2<br>iii) Nallah 3<br>iv) Nallah 4<br>v) Nallah 5<br>vi) Nallah 6<br>vii) Nallah 7 | **(3.5 MLD)**<br><br>0.268<br>0.361<br>0.179<br>0.277<br>0.722<br>1.256<br>0.437 |
| **3.** | **River Tawi , Jammu** | a) Disposal of Untreated Sewage Waste from Jammu city.<br>b) Unabated Disposal of Municipal Solid Waste.<br>c) Dumping of Construction and Demolition Waste.<br>d) Pollution from minor/major establishments. | No. of drains = **26**<br>**RHS (D/S Tawi)**<br>i)DoonthlyNallah<br>ii) JullahaMohalla<br>iii) Peerkho 1<br>iv) Peerkho main<br>v) Gujjar Nagar 7<br>vi)Gujjar Nagar 6<br>vii)Gujjar Nagar 5<br>viii)Gujjar Nagar 4<br>ix)Gujjar Nagar 3<br>x)Gujjar Nagar 2<br>xi)Gujjar Nagar 1<br>xii)Gujjar Nagar main<br>xiii)Jogi Gate<br>xiv)Prem Nagar<br>xv)Christian Colony Nallah<br>xvi)Qasim Nagar<br>xvii)RehariNallah<br>xviii)Krishna Nagar Nallah<br>xix)Rajinder Nagar | **(66.36MLD)**<br>**RHS (D/S Tawi)**<br>1.10<br>2.62<br>0.03<br>10.73<br>0.13<br>0.14<br>0.10<br>0.10<br>0.07<br>0.10<br>0.08<br>0.69<br>11.32<br>11.83<br>6.71<br>0.15<br>4.71<br>5.48<br>1.475 |

| | | | | |
|---|---|---|---|---|
| | | | xx)Bhagwati Nagar<br>**LHS (D/S Tawi)**<br>i)Gorkha Nagar<br>ii)Rajiv Nagar<br>iii)University Campus Nallah<br>iv)Refugee Basti<br>v) BikramChowk<br>vi)Ware house | 1.76<br>**LHS (D/S Tawi)**<br>2.30<br>0.25<br>0.39<br>0.03<br>0.07<br>1.00 |
| **4.** | **River Basanter, Samba** | a) Disposal of Untreated Sewage Waste from Samba Town and nearby localities.<br>b) Effluents from industries in IGC-Samba.<br>c) Unabated Disposal of Municipal Solid Waste.<br>d) Dumping of Construction and Demolition Waste. | No. of drains = **2**<br>i)MandiFlouraNallah<br>ii) ArgiNallah | **(3.5 MLD)**<br>2.5<br>1.0 |
| **5.** | **River Chenab at Akhnoor** | a) Disposal of Untreated Sewage Waste into River Chenab.<br>b) Unabated Disposal of Municipal | No. of drains = **3**<br>i)Baba JittoNallah | **(3.0 MLD)**<br>0.918 |

| | | | | |
|---|---|---|---|---|
| | | Solid Waste.<br>c) Un-authorised dumping of Construction and Demolition Waste. | ii)Near Gurdwara<br>iii)W. No. 10 Nallah | 1.325<br>0.758 |
| **6.** | **River Chuntkol ( A tributary of Jhelum)** | a) Discharge of untreated sewage into the river.<br>b) Dumping of Solid Waste. | No. of dewatering pumps = **07** | **(5 MLD)**<br>– |
| **7.** | **River Gawkadal**<br>**( A tributary of Jhelum)** | a) Discharge of un-treated Sewage into the river.<br>b) Dumping of Solid Waste. | A part of polluted river stretch of river Jehlum (Anantnag to Chhatabal) | **(3.0 MLD)**<br>– |
| **8.** | **River Jhelum at Srinagar (Anantnag to Chhatabal Weir)** | a) Discharge of un-treated Sewage into the river.<br>b) Dumping of Solid Waste. | No. of drains = **62** + No. of Dewatering pumps = **14** | (**111.4 MLD**)<br>– |
| **9.** | **River Sindh at Ganderbal ,Srinagar** | a) Discharge of un-treated sewage .<br>b) Un-authorised dumping of Municipal Solid Waste. | No. of drains = **13** | **(7.6 MLD)**<br>– |

**X- Details of Nodal Officer appointed by Chief Secretary in the State/UT:**

Sh. Waseem Farooq Mir, SFS, posted in Chief Secretary's Office, J&K as Nodal Officer for the purpose, vide Government Order No. 123-JK(GAD) of 2020 dated 22.01.2020.

**XI- Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:**

| S.No. | Meeting DATE | Remarks |
|---|---|---|
| 01. | 01.02.2021 | Illegal sand mining |

| | | |
|---|---|---|
| 02. | 10.02.2021 | Meeting in the matter of Shree Nath Sharma V/s UOI and others, in the OA No. 360/2018 regarding submission of District Environment Plan by the UT of J&K, to the CPCB by 31.03.2021. |
| 03. | 10.02.2021 | Review regarding w.r.t. the compliance by Wet land authority by UT of J&K in OA No. 325/2015 titled Lt. Col. Sarvadaman Singh Oberio V/s UOI & Ors. |

XII- Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river; -

**No. of Polluted River Stretches in Jammu and Kashmir** =**09**

a) **No. of Polluted River Stretches in Jammu = 05**

b) **No. of Polluted River Stretches in Srinagar = 04**

Water Quality Status of Polluted Rivers (**09**) during the month of **February -2021**

| **S. No.** | **Polluted River Stretch** | **Water Quality Analysis, February 2021** | | | | | | **Ground Water Quality in the catchment area** |
|---|---|---|---|---|---|---|---|---|
| **1** | **River Devak Udhampur** | **NWMP Monitoring Sites with Sanctioned Station Code** | **BOD** | **COD** | **pH** | **Hardness** | **Alkalinity** | **NA** |
| | | **a)** Near Shiv Mandir (Stn code**2754**) | 2.4 | 13.2 | 7.84 | 252 | 260 | |
| | | **b)** About 2Km (D/S) Shiv Mandir(Stn.code:4062) | 0.3 | 1.8 | 8.56 | 228 | 240 | |
| | | **c)** About 10Km (D/S) Shiv Mandir (Stn.code:4063) | 0.2 | 1.6 | 8.50 | 220 | 240 | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **2** | **Banganga , Holy Stream, Katra** | | **NWMP Monitoring Sites** | **BOD** | **COD** | **pH** | **Hardness** | **Alkalinity** | | **NA** |
| | | | a) Bathing Ghat (Stn.2755) | 1.1 | 5.5 | 8.70 | 236 | 248 | | |
| | | | b) In front of pony shed (Stn.code2756) | 1.3 | 6.6 | 8.75 | 230 | 240 | | |
| **3** | **River Tawi , Jammu** | | **NWMP Monitoring Sites** | **BOD** | **COD** | **pH** | **Hardness** | **Alkalinity** | | **NA** |
| | | | **February -2021** | 1.9 | 10.3 | 8.75 | 252 | 276 | | |
| | | | StationCode;- | 4.7 | 24.0 | 8.65 | 342 | 360 | | |
| | | | i)Below Tawi Bridge-2744, | 0.4 | 2.2 | 8.53 | 260 | 280 | | |
| | | | ii)Bhagwati Nagar-2745 | 0.3 | 1.8 | 8.50 | 220 | 276 | | |
| | | | iii)Beli Charana-2746, | | | | | | | |
| | | | iv)Surajpur-2747 | 4.5 | 21.0 | 8.78 | 348 | 380 | | |
| | | | v)Bhagwatinagar 1 Km,D/S below STP discharge point at Bhagwati Nagar-4055 | | | | | | | |
| **4** | **River Basanter, Samba** | | **NWMP Monitoring Site / Sanctioned Station Code** | **BOD** | **COD** | **pH** | **Hardness** | **Alkalinity** | | **NA** |
| | | | a) Chak Manga Gujjar samba (2753) | 1.2 | 5.9 | 8.24 | 176 | 200 | | |
| **5** | **River Chenab at Akhnoor** | | **NWMP Monitoring Sites / Sanctioned Station Code** | **BOD** | **COD** | **pH** | **Hardness** | **Alkalinity** | | **NA** |
| | | | At Jio-PotaMandir (2751) | 0.4 | 2.1 | 8.11 | 112 | 104 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **6** | **River Chuntkol ( A tributary of Jhelum)** | | **NWMP Monitoring Sites/ Station Code** | **BOD** | **COD** | **pH** | **DO** | | **NA** |
| | | | a) NWMP sanctioned location(1307) | 5.50 | 43.8 | 7.46 | 4.5 | | |
| **7** | **River Gawkadal (A tributary of Jhelum)** | | **NWMP sanctioned sites** | **BOD** | **COD** | **pH** | **DO** | | **NA** |
| | | | Sanctioned location (1306) | 2.7 | 26.31 | 7.50 | 6.8 | | |
| **8** | **River Jhelum at Srinagar (Anantnag to Chhatabal Weir)** | | **NWMP/PCB Monitoring Sites with Sanctioned Station Code** | **BOD** | **COD** | **pH** | **DO** | | **NA** |
| | | | at:- i) Anantnag (1304) | 1.7 | 19.4 | 7.81 | 7.2 | | |
| | | | ii) Batingon, **(PCB Site)** | 2.3 | 24.9 | 7.80 | 7.8 | | |
| | | | iii) Bijbehhara(4053) | 1.7 | 22.1 | 7.78 | 7.1 | | |
| | | | iv)Sangam U/S (3273) | 2.4 | 24.9 | 7.4 | 8.2 | | |
| | | | v) SangamD/S, (**PCB Site)** | 2.8 | 32.2 | 7.50 | 6.5 | | |
| | | | vi) Awantipora (3274) | 2.1 | 22.1 | 7.74 | 8.0 | | |
| | | | vii) Pampore (3275) | 3.8 | 38.7 | 7.82 | 7.3 | | |
| | | | viii) Panthachowk (4054) | 2.5 | 27.7 | 7.74 | 7.7 | | |
| | | | ix) Pandarathan (**PCB Site)** | 2.90 | 22.1 | 7.80 | 7.8 | | |
| | | | x) Zero Bridge(1410) | 2.5 | 30.4 | 7.70 | 8.0 | | |
| | | | xi) Chattabal Weir (1411) | 2.0 | 17.54 | 7.35 | 7.8 | | |
| **9** | **River Sindh at Ganderbal,Sri** | | **NWMP monitoring sites** | **BOD** | **COD** | **pH** | **DO** | | **NA** |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **nagar** | | a)Sanctioned location(3286) | 1.8 | 15.3 | 7.87 | 7.5 | | |

**XIII- Ground water regulation: Awaited**

**XIV- Good irrigation practices being adopted by the State: Awaited**

**XV- Rain Water Harvesting: Awaited**

**XVI- Demarcation of Floodplain and removal of illegal encroachments: Awaited**

**XVII- Maintaining minimum e-flow of river: Awaited**

XVIII- **Plantation activities along the rivers**:-

| S.No. | Polluted River Stretch | Area under treatment | Plantation done |
|---|---|---|---|
| 1) | **River DevakUdhampur** | 100 hectare | Catchment Area Treatment approved under CAMPA, plantation to be taken up during the current year, soil conservation works completed |
| 2) | **Banganga , Holy Stream, Katra** | 100 hectare | Catchment Area treated with afforestation and soil conservation works in 100 hectares of area under CAMPA |
| 3) | **River Tawi , Jammu** | 200 hectare | Catchment Area Treatment done by plantation of **0.34** la**c** trees treating 200 hectare for the Polluted River Stretch. |
| 4) | **River Basanter, Samba** | 100 hectare | Catchment Area Treatment done by plantation of **0.032** la**c** trees and soil conservation works for the Polluted River Stretch |
| 5) | **River Chenab at Akhnoor** | 200 hectare | Catchment Area Treatment done by plantation of **0.40** la**c** trees treating 200 hectare with soil conservation works for the Polluted River Stretch |

| | | | |
|---|---|---|---|
| 6) | **River Chuntkol ( A tributary of Jhelum)** | A part of river Jehlum Catchment Area Treatment proposal | Catchment Area Treatment approved under CAMPA, shall be taken up during the current year |
| 7) | **River Gawkadal (A tributary of Jhelum)** | A part of river Jehlum Catchment Area Treatment proposal | Catchment Area Treatment approved under CAMPA, shall be taken up during the current year |
| 8) | **River Jhelum at Srinagar (Anantnag to Chhatabal Weir)** | 300 hectare | Catchment Area Treatment done by plantation, treating 15 hectare area for the Polluted River Stretch, along with soil conservation works. |
| 9) | **River Sindh at Ganderbal , Srinagar** | 100 hectare | Catchment Area Treatment in 100 hectare approved under CAMPA, to be taken up during the current year, soil conservation works completed |

XIX- **Development of Biodiversity Park:** Jammu Development Authority has developed a park in **5.6 hectare** at the bank of river tawi area of polluted river stretch recently.

**XX- Reuse of Treated Water:**

Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river; -

a. At present Pollution Control Board of Jammu& Kashmir has been monitoring the Polluted River stretches in Jammu and Kashmir under National Water Quality Monitoring Program (NWMP).

b. UEED J&K will start monitoring the same as per the Monitoring Protocol of NMCG/CPCB for 1yr after finalization of tendering process/Award of Contract and mobilization of resources by the successful bidder to the site of work for the Bioremediation for treatment of wastewater/Sewage flowing in nallahs/drains falling and Polluting river stretches in Jammu as well as in Kashmir:
c. Proposed in Katra DPR under reuse of Treated Water through Pumping Plant with Rising Main to Railway Station Katra for cleaning and washing purpose.
d. Proposed in Udhampur under reuse of Treated Water from
    1. STP-1 site to Air Force station Udhampur for Horticulture purpose.
    2. STP-2 site to Army Unit for cleaning and washing purpose.
    3. STP-3 site to 5071,5171 AC Battalion and 874 Alfa Unit for cleaning and washing purpose.

**XXI- Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:**

| S.No | Location/ Rivers | Priority | Capacity of STP proposed in MLD | Status of Project(at DPR Stage/Under tendering/work to be awarded) | Likely date of completion | Remarks |
|---|---|---|---|---|---|---|
| 1. | **River Devika, Udhampur** | (i) | Zone 1-8.0MLD<br>Zone-2- 4.0MLD<br>Zone-3-1.6MLDTotal =(13.6MLD) | (i)Project Cost 186.74 Cr approved under NRCP on 28-09-2018.<br>(ii)Work allotted Date of start For STP and Network work =May 2019.<br>(iii) Work allotted Date of start For Ghat work =June 2019.<br>(iv)Date of completion For STP and Network work(original)=May 2021.<br>(v) Date of completion For Ghat work (original)=June 2020. | (i)For STP and Network work =Dec.2021<br>(ii)For Ghat Work =March.2021 | Work of Sewer Laying , STP Zone 1st& Ghat are in Progress. |
| 2. | **Banganga, Holy** | (ii) | STPs=4.5MLD<br>=1.20 MLD | DPR amounting Rs.95.69Crs presently with NRCD after having | 2 years after section of the | **DPR amounting Rs. 95.69 Cr presently** |

| | | | | | | |
|---|---|---|---|---|---|---|
| | **Stream,Katra** | | Total=(5.7MLD) | been received from IIT (Roorkee) post clarification of comments/observations. | project. | **with NRCD after having been received from IIT (Roorkee) post clarification of comments / observations.** |
| 3. | **River Tawi, Jammu** | (iii) | STP=10MLD | DPR amounting Rs.41.84 Cr submitted to **NRCD** for consideration/release of funds vide letter no. HUD /Plan/16/2019/SP Dated: 11.12.2020. | 2 years after section of the project. | **DPR for Pollution abatement of river tawi (right bank) at Jammu city (J&K) amounting Rs.41.84 Cr submitted to NRCD for consideration/release of funds vide letter No. HUD/Plan/16/2019/SP dated 11.01.2020** |
| 4. | **<u>Jhelum</u> River** | (iv) | STP AnantnagTown (Phase-2nd/ 3rd) on SBR Technology=18 MLD Bijbehera Town=3.0MLD Awantipora=1.6ML D. Pampore=2.7MLD | DPR under preparation | 3 years after section of the project. | |

XXII- Status of Preparation of Action Plan by the 13 Coastal States:**Does not pertain to J&K**.

XXIII- Regulation of Mining Activities in the State/UT**:** Awaited

XXIV- Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring.

**The JK PCB has imposed Environmental Compensation (EC) under Polluter Pays Principle (PPP) to the following:-**

| Sr. No. | Agency | Penalty | EC Order No./ Date |
|---|---|---|---|
| **1** | **CEO, MC Udhampur** | Rs. 1,39,00,000/- | 25 PCB of 2019, Date: 21/11/2019 |
| **2** | **Executive Officer, MC Ramban** | Rs. 12,88,000/- | 32 PCB of 2020, Date: 10/09/2020 |
| **3** | **Hotel Meridian, Panthal Road, Katra** | Rs. 56,142/- | 34 PCB of 2020, Date: 02/11/2020 |
| **4** | **Executive Officer, MC Sopore** | Rs.1,30,46,000/- | 36 PCB of 2020, Date: 24/11/2020 |
| **5** | **SMGS Hospital,Jammu** | Rs.18,28,000/- | 37 PCB of 2020, Date: 29/12/2020 |
| **6** | **Hotel Maharaja, Patnitop, Udhampur** | Rs. 52,660/- | 38 PCB of 2020, Date: 30/12/2020 |
| **7** | **M/s Attar Logistics, Transport Nagar, Jammu** | Rs. 25,000/- | 39 PCB of 2021, Date: 06/01/2021 |
| **8** | **Hotel Patnitop, Chenani, Udhampur** | Rs. 46,800/- | 40 PCB of 2021, Date: 12/01/2021 |
| **9** | **Hotel Kings, Banganga, Katra** | Rs. 22,436/- | 42 PCB of 2021, Date: 21/01/2021 |
| **10** | **Hotel Krishna Plaza, Rajinder Bazar, Jammu** | Rs.4, 524/- | 43 PCB of 2021, Date: 05/02/2021 |

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