Government of Jammu and Kashmir
Forest, Ecology and Environment Department
Civil Secretariat, Jammu/Srinagar.

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/14/2021(7268750) Dated:18.09.2024

Subject: Monthly Progress Report by States/UTs, pursuant to the Hon'ble NGT order dated 24.09.2020 in the matter of OA No.673/2018 for the month of August, 2024.

Sir,

With reference to the subject captioned above, I am directed to forward herewith a copy of Monthly Progress Report (as per revised format) in respect of Union Territory of J&K, for the month of August, 2024 for favour of information and further necessary action.

The data in the Monthly Progress Report has been compiled after receiving inputs from Jal Shakti Department, Housing & Urban Development Department, Mining Department, PCCF & HoFF, J&K and J&K Pollution Control Committee.

Yours faithfully,

18/09/2024

(Vivek Modi)
Special Secretary (Technical)

18/9

Encls:As above.

Copy along with enclosure to the:-

1. Member Secretary, Central Pollution Control Board, New Delhi.
2. Member Secretary, J&K Pollution Control Committee.
3. PS to Financial Commissioner (ACS), Jal Shakti Department.
4. PS to Commissioner/Secretary to the Government, Housing & Urban Development Department.
5. PS to Commissioner/Secretary to Government, Mining Department.
6. PS to PCCF & HoFF, J&K.

Revised format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to Hon'ble NGT Order dated 24.09.2020)

For the month of August-2024

For the Union Territory of Jammu & Kashmir

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:

- Existing no. of STPs and Treatment Capacity in (MLD): 22 Nos. (166.39 MLD)
- Capacity Utilization of existing STPs: 95.73 MLD
- MLD of sewage being treated through FSTPs:0.58 MLD
- Gap in Treatment Capacity in MLD: 356.61 MLD
- No. of Operational STPs: 20 Nos.
- No. of Complying STPs: 20 Nos.
- No. of Non-complying STPs: 02 Nos.

(A) Details of each existing STP in the UT of J&K — Annexure-I(A).
(B) Details of under construction STPs in the UT of J&K – Annexure-I(B).
(C) Details of Proposed STPs in the UT of J&K – Annexure-I(C).

IV. Details of Industrial Pollution:-

Status of ETPs as per Field Report						
No. of Industries in the UT of J&K		Total No. of Water Polluting Industries in the UT of J&K require ETPs	No. of Industries having Functional ETPs	No. of Industries operating without ETPs	Quantity of Effluent generated from the Industries in MLD	Remarks
Jammu	5042	191	189	2	14.597	
Kashmir	5554	133	93	40	2.232	
Total	**10596**	**324**	**282**	**42**	**16.829***	

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

- Status of the CETPs Existing and Proposed:

Status of CETPs			**Total**
Existing	**Under Construction**	**Proposed**	
a) Phase I SIDCO IGC, Samba = 1 MLD b) Phase II SIDCO IGC, Samba = 1 MLD c) Phase II SIDCO IGC, Samba = 0.5 MLD d) Phase III SIDCO IGC, Samba = 0.5 MLD	a) Industrial Estate, Digiana, Jammu = 0.1 MLD. b) Back side of M/s Sudhir Gensets, SIDCO Complex, Bari Brahmana = 1.5 MLD c) EPIP SIDCO, Bari Brahmana = 0.5 MLD		
Industrial Area, Ghatti Tehsil and District Kathua (Installed by not commissioned as yet) = 0.45 MLD	a) SICOP CETP IID Centre Batal Ballian, Udhampur = 0.5 MLD b) SICOP CETP IID Centre		

	Batal Ballian, Udhampur = 0.5 MLD		
a) IGC Lassipora Pulwama = 600 KLD b) IGC Lassipora Pulwama = 500 KLD c) I E Khunmoh Srinagar = 500 KLD d) I E Khrew Pulwama = 50 KLD e) I E Wuyan Pulwama = 500 KLD f) I E Bagi Ali Mardan (Srinagar)= 500 KLD g) I E Chotipora Kupwara = 50 KLD h) I E Ganderbal = 10 KLD i) IGC Lassipora = 500 KLD j) I.E. Khunmoh Srinagar = 500 KLD	a) I.E Rangreth Budgah = 1000 KLD	a) I E Radbugh, Kupwara =10KLD b) I E Branwari Kupwara = 10 KLD c) I E Branwari Kupwara = 10 KLD	
15	**6**	**3**	**24**

V. Solid Waste Management:

Solid Waste Management		
• Total Number of Urban and Local Bodies and their Population.	**76** Urban Local Bodies and **02** Municipal Corporations. JMC = 7,46,265 (2023) estimated SMC = 11.92 lacs as per 2011 census, as on date **15.50 lacs** approx ULBs Jammu = 4,60,289 (2011 census) ULBs Kashmir = 9,23,310 souls	
• Current Municipal Solid Waste Generation	Jammu Municipal Corporation (JMC): 374 TPD Srinagar Municipal Corporation (SMC): 520 TPD Directorate of Urban Local Bodies- Jammu (DULBJ): 235 TPD Directorate of Urban Local Bodies-Kashmir (DULBK): 324 TPD **Total = 1453 TPD**	
• Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- i. Waste to Energy (Tonnage and Power Output), ii. Compost Plants (Windrow, Vermi, decentralized pit composting), iii. Bio-methanatiuon, MRF etc.	Details given in **Annexure-II**	
• Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	Details given in **Annexure-II(a)**	
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction	**Annexure-III**	
Total no. of wards,	1124	

no. of wards having door to door collection	1124	**Details at Annexure-IV**
no. of wards practicing segregation at source	JMC = 40% Overall SMC = 60% in all wards DULBJ = 268 DULBK = 428	
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Details given in **Annexure-V**	
No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.	**Annexure-VI**	
No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	9 sites (8 sites in Kashmir, data on area awaited, 01 site of 32 acres in Jammu)	**Details on Annexure-VII**
No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	ULBs of Kashmir Division: 98 drains, data on number of Trash guards installed awaited. SMC: 120 trash guards installed. JMC: 26 drains, No trash guards installed.	
MSW Management ULB	76 ULBs and 2 Municipal Corporations.	**Annexure-VIII**
Total MSW generation in TPD	1453	
Total MSW being processed in TPD	479	
Existing MSW facilities Utilization Capacity of the existing MSW facilities Proposed MSW Facilities & Completion Timeline		

VI. <u>Bio-medical Waste Management:</u>

- Total Bio-medical generation:
  a) Jammu = 1748.78 Kg/day as per Annual Report 2022
  b) Kashmir = 6902.64 Kg/day as per Annual Report 2022**Total = 8651.42 Kg/day**

  Covid-19 Bio-medical waste for the month of **August-2024:**
  a) Jammu = Nil
  b) Kashmir = Nil
- **No. of Hospitals and Health Care Facilities:**
  a) Jammu = 4024
  b) Kashmir = <u>3647</u>

  Total = 7671
- **Status of Treatment Facility/ CBMWTF: 3 Operational Facilities** with PCDs, OCEMS installed in facility
  a) M/s Anmol Health Care, Jammu (OCEMS installed).

b) M/s Kashmir Health Care System, Kashmir (OCEMS installed).
C) M/s Clean City Waste Management, Kashmir (OCEMS installed).

VII. Hazardous Waste Management:

- Total Hazardous Waste generation:
  a) Jammu = **2093.0028** MT / Annum.
  b) Kashmir = **443.28** MT/Annum.
  Total = 2536.2828 MT/Annum
- No. of Industries generating Hazardous waste :

  a) Jammu = 261
  b) Kashmir = 165
  Total = 426

- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated:
  a) Hazardous waste is being disposed off through TSDFs located outside J&K, through M/s Bharat Oil and Waste Management Ltd, Kanpur Dehat (UP) authorized by JKPCC.
  b) Hazardous waste is also disposed off in TSDFs namely M/s Ramasethu Infrastructure Pvt. Ltd. located at IGC Samba, J&K.

VIII. Plastic Waste Management:-

- Total Annual Plastic Waste generation in J&K =**34384** MT/Annum (app.), with monthly average of **2865** MT (app.)
- Seizure done **(August-2024)**

  a) Polythene = 3341.60 Kg
  b) SUP = 119.37 Kg
  Total = 3460.97 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.

ULB/Municipal Corporation –wise details are given as **Annexure -IX**.

IX. Details of Alternate Treatment Technology being adopted by the State/UT : Details of Septage Treatment Plants:

a) Bhagwati Nagar Jammu =164 KLD
b) Uranhall Anantnag = 62KLD
c) Alluchi Bagh =164 KLD
d) Achan Srinagar =130 KLD
e) Co-treatment facility at Baryal Udhampur =60 KLD

X. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:- Details are given as **Annexure -X**.

XI. Details of Nodal Officer appointed by Chief Secretary in the State/UT: -

XII. Details of meetings carried under the Chairmanship of Chief Secretary in the State/UT: -

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground waterquality 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 during the month of August-2024

<table>
<tr><th>S.No</th><th>Polluted River Stretch</th><th>Water Quality Analysis</th><th>Ground Water Quality in catchment area</th></tr>
<tr><td>1.</td><td>River Devak Udhampur</td><td>
<table>
<tr><td>NWMP Monitoring Sites with Sanctioned Station Code</td><td>BOD (mg//l) <3.0 (mg/l)</td><td>COD -</td><td>pH (6.5-8.5)</td><td>DO > 5.0 (mg/l)</td><td>Coliformcount after 24 Hrs. (CFU/100 ml (500)</td></tr>
<tr><td>a) Near Shiv Mandir, Udhampur (Stncode 2754)</td><td>3.3</td><td>17</td><td>8.20</td><td>4.0</td><td>30000</td></tr>
<tr><td>b) About 2 Km (D/S) Shiv Mandir (Stn. Code 4062)</td><td>1.0</td><td>3.5</td><td>8.56</td><td>5.8</td><td>14000</td></tr>
<tr><td>c) About 10 Km (D/S Shiv Mandir (Stn. Code:4063)</td><td><1.0</td><td>2.0</td><td>8.24</td><td>6.6</td><td>9000</td></tr>
</table>
</td><td>NA</td></tr>
<tr><td>2.</td><td>Banganga, Holy Stream, Katra</td><td>
<table>
<tr><td>NWMP Monitoring Sites</td><td>BOD <3.0 (mg/l)</td><td>COD -</td><td>pH (6.5-8.5)</td><td>DO > 5.0 (mg/l)</td><td>Coliform count after 24 Hrs. (CFU/100 ml (500)</td></tr>
<tr><td>a) Bathing Ghat Katra (Stn. Code 2755</td><td>2.0</td><td>10.5</td><td>8.42</td><td>6.2</td><td>900</td></tr>
<tr><td>b) In front of pony shed (Stn. Code 2756)</td><td>2.7</td><td>13.3</td><td>8.46</td><td>5.3</td><td>15000</td></tr>
</table>
</td><td>NA</td></tr>
<tr><td>3.</td><td>River Tawi Jammu</td><td>
<table>
<tr><td>NWMP Monitoring Sites/ Station Code</td><td>BOD <3.0 (mg/l)</td><td>COD -</td><td>pH (6.5-8.5)</td><td>DO > 5.0 (mg/l)</td><td>Coliforms count after 24 Hrs. (CFU/100 ml (500)</td></tr>
<tr><td>i. Below Tawi Bridge-2744</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td>ii. Bhagwati Nagar-2745</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td>iii. Beli Charana-2746</td><td>1.5</td><td>8.1</td><td>8.50</td><td>5.1</td><td>30000</td></tr>
<tr><td>iv. Surajpur-2747</td><td>2.7</td><td>2.2</td><td>8.36</td><td>5.3</td><td>30000</td></tr>
<tr><td>v. Bhagwatinagar, 1 Km, D/S below STP discharge point at Bhagwati Nagar-4055</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr>
</table>
</td><td>NA</td></tr>
<tr><td>4.</td><td>River Basanter, Samba</td><td>
<table>
<tr><td>NWMP Monitoring Site/ Sanctioned Station Code</td><td>BOD <3.0 (mg/l)</td><td>COD</td><td>pH (6.5-8.5)</td><td>DO > 5.0 (mg/l)</td><td>Coliform count after 24 Hrs. (CFU/100 ml (500)</td></tr>
<tr><td>a) Chak Manga Gujjar Samba (2753)</td><td>2.0</td><td>10.3</td><td>8.35</td><td>6.0</td><td>50000</td></tr>
</table>
</td><td>NA</td></tr>
<tr><td>5.</td><td>River Chenab at Akhnoor</td><td>
<table>
<tr><td>NWMP Monitoring Site/ Sanctioned Station Code</td><td>BOD <2.0 (mg/l)</td><td>COD</td><td>pH (6.5-8.5)</td><td>DO > 5.0 (mg/l)</td><td>Coliform count after 24 Hrs. (CFU/100 ml</td></tr>
</table>
</td><td>NA</td></tr>
</table>

<table>
<tr><td></td><td></td><td><table>
<tr><td></td><td></td><td></td><td></td><td></td><td>(500)</td></tr>
<tr><td>a) At Jio-Pota Mandir (2751)</td><td><1.0</td><td>1.3</td><td>7.65</td><td>6.4</td><td>7000</td></tr>
</table></td><td></td></tr>
<tr><td>6.</td><td>River Jhelum at Srinagar (Anantnag to Chhatabal Weir)</td><td><table>
<tr><td>NWMP/PCB Monitoring Sites with Sanctioned Station Code</td><td>BOD <2.0 (mg/l)</td><td>COD</td><td>pH (6.5-8.5)</td><td>DO > 5.0 (mg/l)</td><td>Coliform count after 24 Hrs. (CFU/100 ml (500)</td></tr>
<tr><td>i. Anantnag (1304)</td><td>2.8</td><td>28.8</td><td>7.33</td><td>6.3</td><td>7800</td></tr>
<tr><td>ii. Batingoo, (PCB Site)</td><td>3.1</td><td>27.2</td><td>7.42</td><td>5.7</td><td>11500</td></tr>
<tr><td>iii. Bijbehara (4053)</td><td>2.0</td><td>22.4</td><td>7.11</td><td>7.0</td><td>19000</td></tr>
<tr><td>iv. Sangam U/S (PCB Site)</td><td>2.4</td><td>25.6</td><td>7.15</td><td>7.5</td><td>9000</td></tr>
<tr><td>v. Sangam D/S, (3273)</td><td>3.0</td><td>24.0</td><td>7.17</td><td>7.3</td><td>8000</td></tr>
<tr><td>vi. Awantipora (3274)</td><td>2.8</td><td>27.9</td><td>7.51</td><td>7.4</td><td>30000</td></tr>
<tr><td>vii. Pampore (3275)</td><td>2.6</td><td>18.32</td><td>7.38</td><td>6.9</td><td>4700</td></tr>
<tr><td>viii. Panthachowk (4054)</td><td>3.2</td><td>21.65</td><td>7.41</td><td>6.7</td><td>4900</td></tr>
<tr><td>ix. Pandarathan (PCB Site)</td><td>2.6</td><td>28.32</td><td>7.24</td><td>6.8</td><td>3100</td></tr>
<tr><td>x. Zero Bridge (1410)</td><td>2.9</td><td>24.99</td><td>7.45</td><td>6.5</td><td>900000</td></tr>
<tr><td>xi. Chattabal Weir (1411)</td><td>3.4</td><td>41.66</td><td>7.36</td><td>5.9</td><td>820000</td></tr>
</table></td><td>NA</td></tr>
<tr><td>7.</td><td>River Gowkadal (A tributary of Jhelum)</td><td><table>
<tr><td>NWMP Sanctioned Site</td><td>BOD <2.0 (mg/l)</td><td>COD</td><td>pH (6.5-8.5)</td><td>DO > 5.0 (mg/l)</td><td>Coliform count after 24 Hrs. (CFU/100 ml)</td></tr>
<tr><td>Gowkadal, Station Code (1306)</td><td>3.0</td><td>25.0</td><td>7.23</td><td>5.4</td><td>55000</td></tr>
</table></td><td>NA</td></tr>
<tr><td>8&9.</td><td>River Sindh at Ganderbal, Srinagar</td><td><table>
<tr><td>NWMP monitoring sites</td><td>BOD <2.0 (mg/l)</td><td>COD</td><td>pH (6.5-8.5)</td><td>DO > 5.0 (mg/l)</td><td>Coliform count after 24 Hrs. (CFU/100 ml)</td></tr>
<tr><td>a) Dodherhama, Station Code (3286)</td><td>1.4</td><td>24.9</td><td>7.65</td><td>8.5</td><td>650</td></tr>
<tr><td>b) Chuntkol (Station Code (1307)</td><td>14.4</td><td>99.9</td><td>7.15</td><td>1.6</td><td>12000</td></tr>
</table></td><td>NA</td></tr>
</table>

XIV. Ground water regulation:

The regulation of ground water is mandate of the J&K Water Resources Regulatory Authority under the J&K Water Resource Regulation and Management Act, 2010. The Authority while approving new schemes or monitoring existing schemes can bar or cancel exploitation of ground water if it feels that exploitation of ground water is not in accordance with the provisions contained in JKWRRA Act 2010 & Rules – 2011.

The Ground water regulation is mandated only when the area to be exploited comes under grey zone or black zone. The macro management of Ground Water is prerogative of Water Resources Regulatory Authority which has power to put an embargo on exploitation of Ground Water Resources, should these border on grey or black zones. Besides, the guidelines for regulation and control of Ground Water Extraction in the UT of J&K in consonance with Central Ground Water Authority is under formulation.

XV. Good irrigation practices being adopted by the State:

For providing better irrigation facilities to the beneficiaries, various irrigation schemes are under execution with the objective of increasing the irrigation potential and its effective utilization. For this purpose the various schemes under Capex Budget, NABARD Loan Assistance and Centrally Sponsored Schemes are under execution.

The focus of these interventions is to prevent losses and provide stable irrigation conveyance system. Lift irrigation system where gravity water is not available or not feasible are also constructed for providing assured irrigation facilities. Further Community participation is also ensured for best / optimum utilization of available water to all beneficiaries.

XVI. Rain Water Harvesting: In terms of J&K Unified Building Byelaws, 2021, chapter 10, Clause 10.1 to 10.4 the provision of Rain Water Harvesting is there to be followed by the ULBs in the U.T of J&K.

XVII. Demarcation of Floodplain and removal of illegal encroachments:

The Revenue details of four flood basins which include Hokersar, Nowgam, Hygam and Narkara Numbal have been forwarded to JK WRRA for notifying them as flood basins along with extents of flood inundation witnessed in 2014 historic flood through ground truthing and flood expanse boundaries mapped on Google earth. The same is being examined by the authority as per the Act. The details of rest three:

1. Left side flood plain from Sangam to Srinagar.
2. Anchar Lake.
3. Wullar Lake

are being sought from the concerned Revenue authorities through the office of the Divisional Commissioner Kashmir which too shall be made available to JKWRRA for necessary action at their end.

Moreover, Removal of encroachments is a concurrent process and on the directions of Hon'ble Court in the PIL 02/2014 titled Peer Noor-ul-Haq Vs State & others.

The hydraulic study/Flood plain zoning for river Ujh and Sahar Khad in District Kathua has been completed by the Excel Geomatics Pvt Ltd. The delineation process is in progress.

Hydraulic study/Flood Plain regulation of River Tawi and Balole Nallah in Jammu District is being carried out by JTRFP. Draft report has been submitted for comments. After publishing of final report, remaining process shall be initiated.

The hydraulic study/Flood plain zoning of remaining Rivers/Nallahs is in process and after completion of Flood Plain zoning, necessary process for delineation/notification of flood plan zone shall be initiated.

XVIII. Maintaining minimum e-flow of river:

There are no storage reservoirs on the River Jhelum and Chenab, so the minimum environmental flow is assured at all times. The department has a regulating structure at Srinagar known as Chattabal Weir, to ensure navigation during lean season in the upstream besides ensuring the eco-flow on upstream without affecting the conditions in the downstream. However, in perennial Rivers/Nallahs, the projects are being framed after ensuring the eco-flow.

XIX. Plantation activities along the rivers:-

(Unit: Nos)

S. No	Polluted river stretch	No of Sapling planted ending March 2024	No of Sapling planted upto August 2024 (2024-25)
1	River Devak, Udhampur	0	0
2	Banganga Holy stream, Katra	11150	12000
3	River Tawi, Jammu	84063	101800
4	River Basanter, Samba	2000	0
5	River Chenab, Akhnoor	55363	65000
6	River Chuntkol, Tributary of Jhelum	0	0
7	River Gawkadal Tributary of Jhelum	0	0
8	River Jhelum, Srinagar (Anantnag to Chhatbal weir)	438575	0
9	River Sindh at Ganderbal, Srinagar	406023	1350
	Total	**997174**	**180150**

XX. 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.

All ULBs and Two corporations has constituted Biodiversity Management Committee under section 41(1) of Biological Diversity Act, 2002; and Rule 19 of the J&K Biological Diversity Rule, 2015 and the meetings of their committees are carried out on regular basis.

XXI. Reuse of treated water:

a. Proposed in Katra DPR under reuse of Treated Water through Pumping Plant with Rising Main to Railway Station Katra for cleaning and washing purpose.

b. 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.
4. A draft policy for reuse of treated waste water has been framed and is under review.

XXII. 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 Zone-2- 4.0MLD Zone-3- 1.6MLD Total **=(13.6MLD)**	Work completed and the STP's are under trial run except installation of Solar Plants	-	Sewer laying and STPs of Zone-I, II & III along with IPSs completed and are under trail run. Work in Progress
2.	**Banganga, Holy Stream,Katra**	(II)	STPs=4.5MLD =1.20 MLD Total=(5.7MLD)	DPR amounting Rs.95.69 Crs presently with NRCD after having been received from IIT (Roorkee) post clarification of comments/observations	2 years after sanction of the project.	AA &ES accorded by NRCD vide No. J-24023/1/2019-NRCD-II, Dated 21.02.2024. Preliminary actions required for implementation of the project have been initiated. SNA/holding accounts opened and the scheme on-boarded on PFMS. MoU for use of SMVDB land for construction of 1.20 MLD STP Signed. Indent for acquisition of land submitted to Deputy Commissioner, Reasi vide Chief Engineer's J&K

						UEED letter No.CE/UEED/TS/ CJ/1151-55 dated 31.05.2024. Tenders for PDMC invited and under process.
3.	**River Tawi, Jammu**	(III)	STP/equalization tank=10MLD	DPR amounting Rs.43.87 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 the project.	**Right Bank:** Interception and Diversion of Nallahs on right bank of River Tawi **Packag I:** From Tawi Bridge up to Madrassa, Gujjar Nagar Rs. 11.21 Cr. **Package II**: From Madrassa, Gujjar Nagar up to Dhounthy Rs. 26.88 Cr.
4.	**<u>Jhelum</u> River**	(IV)	STP Anantnag Town (Phase-2nd/ 3rd) on SBR Technology=21.30 MLD Bijbehera Town=3.0MLD Awantipora=1.6MLD . Pampore=2.7 MLD	DPR Vetted by DCW and Submitted to Govt for accord of Administrative Approval	3 years after sanction of the project.	DPRs vetted by DCW. However, DPRs being recast by PDMC to restrict the cost to the extent of available funds under AMRUT 2.0. DPRs for used water management in these three cities stands vetted by DCW at costs Rs. 41.65 cr, Rs. 29.91 cr. And Rs. 96.26 cr respectively.

5.	**Chunt Kul – Gaw kadal (Tributary of Jhelum)**	(V)	STP = 8 MLD	AA &ES accorded by NRCD vide No. J-24023/3/2019-NRCD-II Dated 18.03.2024 for an amount of Rs. 63.81 Cr. On a 90: 10 funding pattern.		REP for PDMC issued. Preparatory actions viz Opening of SNA and Holding accounts for the CSS done along with on boarding of the scheme on PFMS. An amount of Rs. 14.35 Cr. Stands release by NRCD.

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

XXIV. Regulation of Mining Activities in the State/UT:

Status of regulation of Mining Activities in the UT of J&K		
S.No.	**Issues**	**Status**
1.	Feasible Geo-referenced Minor Mineral Blocks of all the River Beds/Nallahs were prepared/carved out and put to e-auction through District Level Auction Committee under Chairmanship of Deputy Commissioner. In total 384 minor minerals blocks have been e-auctioned in J&K UT. Out of 384, 376 have been issued in respect of minor mineral blocks to various Project Proponents. Out of 376 issued, 363 Mining Plans have been approved by the Competent Authority. 67 Mining Leases have been granted to various Project proponents in whose favour Environmental Clearance & Consent to Operate have been issued. Moreover, 56 Mining Leases in respect of e-auctioned minor mineral blocks have been operationalized to meet out the construction material requirement of the general public as well as government works such as National Highways, PMGSY Roads, AIIMS etc.	The Department of Geology & Mining had identified/carved out 387 Mineral Blocks across the UT of J&K and has successfully e-auctioned during the year, 2019-20 and 2020-21. Out of which 200 Mining Leases were granted in favour of the successful bidders after obtaining the following documents to meet out the construction material requirement of general public as well as Government works viz, National Highways, PMGSY roads, AAI, Indian Railways, PWD (R&B), Jammu/Srinagar Ring Road etc:- 1. NOCs of concerned Stakeholder Departments under Single Window System. 2. Mining Plan approved from the Competent Authority headed by Deputy Commissioner, concerned. 3. Environmental Clearances issued by the J&K Environment Impact Assessment Authority (JKEIAA/DEIAA). 4. Consent to Operate issued from the J&K Pollution Control Board/Committee. Besides, 08 Mining Lease were also reserved/granted in favour of J&K Public Sector Undertakings (J&K Minerals Ltd. and JKPCC) after completing all the Codal formalities as per rules in vogue.
2.	District Survey Reports in respect of all the Districts stands prepared in J&K UT.	In light of S.O-141(E) dated 15.01.2016 issued by Ministry of Environment, Forest & Climate Change (MoEFCC), the Department of Geology and Mining prepared the District Survey Reports of all the Districts of J&K (UT) during the Year 2018, valid for a period of 05 Years and on the basis of which the Environmental Clearances were issued by the Competent Authority and subsequently, 200 Mining Leases were granted by the Department in favour of successful bidders, 08 in favour of PSU besides, 07 in case of Private Lands for River Bed Material (RBM) during the Year, 2020-21 to 2022-23. Meanwhile, in pursuance to the directions of Hon'ble National Green Tribunal (NGT) in the case of OA No. 360/2015 order dated 26th February, 2021 read with J&K Environment Impact Assessment Authority (JKEIAA) letter No. JKEIAA/ 2023/ 82/III/7930-34 dated 27.01.2023, wherein, it was advised that *"the DSR shall be prepared through a consultant(s) accredited by the National Accreditation Board of Education and Training (NABET)/Quality Control Council (QCC) of India in terms of OM of MoEF&CC dated 16.03.2010".*

		The DSR so prepared shall be submitted to the District Magistrate who shall verify the DSR only in respect of the relevant facts pertaining to the physical and geographical features of the district which shall be distinct from the scientific findings based on the parameters prescribed in the SSMMG-2016. After such verification, the District Magistrate shall forward the DSR for examination and evaluation by the State Expert Appraisal Committee (SEAC)having regarding to the fact that the SEIAA comprises of technical/scientific experts. The SEAC after appraisal of the report shall forward it to the SEIAA for consideration and approval if it meets all scientific/technical requirements". Accordingly, Department of Geology & Mining has engaged the Firm namely **M/S RSP Green Development and Laboratories Pvt. Ltd.,** 7F, Dinabondhu Mukherjee Lane No.3rd and 4th Floor, Shivpur, Howrah West Bengal-711102 **for preparation of the District Survey Report (DSR) and Replenishment study in the UT of J&K.** The Current status of DSRs and Replenishment Studies is as under:- • District Jammu & Samba DSRs approved. • Under submission cases, review under JKEAC: - District Kathua & Doda. • Cases with respective Dy. Commissioner(s): District Kishtwar, Kulgam, Kupwara & Poonch. Draft DSRs prepared i.r.o Districts Ganderbal, Budgam, Pulwama & Srinagar and are under review by the Departmental Committee for submission to Dy. Commissioners concerned.
3.	A Replacement studies for updating of District Survey Report has been taken up in various rivers/nallahs of J&K, UT.	Same as above
4.	Minor mineral blocks in left out/uncovered areas in various rivers/nallahs in J&K UT are being carved out and shall be put to e-auction after seeking NOCs from all Stake Holder Departments as per the guidelines strictly.	During the Year, 2022-23 and 2023-24, the Department of Geology & Mining has e-auctioned 21 more Minor Mineral Blocks in left out/uncovered areas after obtaining the NOCs under Single Window System (SWS) from concerned Stakeholder Departments as per guidelines/Mining Rules envisaged in SRO-105 of 2016 dated 31.03.2016. Moreover, the Department of Geology & Mining has identified 84 Mineral Blocks in various District of J&K (UT) and sent to Deputy Commissioners Concerned for providing the NOCs of Stakeholder Departments under SWS. Out of which 17 Blocks have been cleared and shall be put on e-auction after lifting of Model Code of Conduct.
5.	At stationery clearances including Environmental Clearance and C.T.O. has been made pre requisite for Grant of any mining Lease/quarry permit/ STP permission.	**For the Protection of Environment, the Rule,13 of SRO-105 of 2016 dated 31.3.2016 provides as under:-** **"** Every holder of minor mineral concession shall take all possible precautions for the protection of environment and control of pollution while conducting mining operations in the minor mineral concession area: Provided that before granting Mineral Concession under these rules the Concessionaire shall necessarily submit:- (a) Environmental Clearance from the Competent Authority under the relevant Act or rules. (b) Consent to establish/operate from J&K Pollution Control Board under Water (Prevention and Control of Pollution Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981". Provided that no such clearance shall be required in case of Short Terms/Disposal Permit issued to the State Government/Central Government agencies. However, the Department of Geology & Mining is following all the guidelines/ directions/Orders of Hon'ble NGT, Ministry of Environment Forest & Climate Change and Stakeholder

<table>
<tr><td></td><td></td><td>Departments issued from time to time while granting Mineral Concessions.</td></tr>
<tr><td>6.</td><td>Environmental Audit condition as per the Hon'ble NGT directions has been incorporated in the Mining Lease Deed.</td><td>The Department of Geology & Mining has incorporated in the Form (ML10) Model Form of Mining Lease Deed at Part-VII, the Condition No. 23 and 24 as under:-
23. Yearly Environment Audit: In every lease of Mine of Minerals there will be independent environmental audit at least once in a year by a reputed third party entity and report of such audit shall be placed in public domain.
24. Re-grassing the mining area- The mining lease holder shall after ceasing their mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora and fauna etc.</td></tr>
<tr><td>7.</td><td>District Level Task Force Cell has been constituted vide Government order No.1569-GAD of 2018 dated 22.10.2018 to curb the illegal Mining issues in the district and the rates of Minor Minerals including Sand in all the districts of J&K UT have been fixed by the District Administration of concerned District for regulating the Sale Price of Minor Minerals.</td><td>In this regard, it is to submit that the Government/ Department of Geology & Mining has taken following steps to curb the menace of illegal extraction and transportation of minerals in the UT of J&K:-
1. The Government has constituted a "Multi Departmental District Level Task Force Cell" vide G.O No. 1569-GAD of 2018 dated 22-10-2018 under Chairmanship of Deputy Commissioner concerned wherein, the mandate of the Committee is to quantify material extracted on account of illegal mining and imposition of penalties, inspect mining belts w.r.t Title of Land, safeguarding of Ecology and Environment, identification of sites for e-auction, evaluate price/sale of the minerals at pit head etc.
2. The department has also constituted a Vigilance cum Monitoring Flying Squad/Enforcement team for Jammu/Kashmir Divisions vide order No. 107-JK(DGM) of 2024, dated 30.08.2024 to strengthen the surveillance on illegal extraction and transportation of Minor Minerals in the UT of J&K.
3. The Directorate vide Notice No. 92/MCC/DGM/Taskforce/15/5956-59, dated 18.10.2021 have notified Helpline No. for lodging any complaint regarding over charging/cheating in this regard.</td></tr>
<tr><td>8.</td><td>For proper Transportation of Minor Minerals, transportation challans with following security feature have been introduced recently: -
a) Unique Bar Code.
b) Unique quick response code.
c) Water Mark.</td><td>In order to bring transparency and ease of doing business, the Department has launched Online Web-portal (e-Challan/e-Market Place) on 24.08.2022 for sale and purchase of minerals online at notified rates for convenience of general public wherein current manual challan replaced with E-challan having secured QR Code, Water Mark, Validity of Challan and Unique Challan No. and Details of vendor/Lessee etc. through which Project Proponents/Mineral Dealer License Holders/Crusher Unit Holders and Short Term Permit/Quarry/Mining Lease Holders shall apply/submit/generate online Form-A for Transportation of Minor Minerals in J&K UT.</td></tr>
<tr><td>9.</td><td>The Department has taken up the construction work of several check posts and in process to install Hi-Tech system with CCTVs to monitor the transportation of Minor Minerals including River Bed Material in J&K UT.</td><td>The Department of Geology & Mining has constructed 22 Mineral Check Posts at different entry & exit mineral check points in UT of J&K for monitoring the illegal extraction and transportation of Minerals.</td></tr>
<tr><td>10.</td><td>Wherever the guidelines are violated, the action under section 21(4) and (5) is taken against the violators.</td><td>In order to regulate and monitor the illegal and transportation of minerals in the UT of J&K, the Department of Geology & Mining has taken action against the illegal mining offenders under Section 21 (4) & (5) of MMDR Act 1957 and rules made thereunder. Besides, lodging FIRs against the habitual offenders. The year wise detail is as under:
<table>
<tr><th>S.No.</th><th>Year</th><th>No. of vehicles/machineries</th><th>Penalty amount</th></tr>
</table>
</td></tr>
</table>

					seized on account of illegal Mining/Transportation of Minerals	**realized (Rs. in Lakhs)**
			1	**2019-20**	**1892**	**305.48**
			2.	**2020-21**	**5353**	**952.98**
			3.	**2021-22**	**6131**	**1675.34**
			4.	**2022-23**	**6909**	**1634.00**
			5.	**2023-24**	**7018**	**1919.85**
			6.	**2024-25 (April 24 to August-24)**	**2536**	**626.532**

XXV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring:

In case of any defaulter/violator who encroaches, compromises the safety of any embankment or water body or any irrigation infrastructure or canal or carries out illegal river bed material extraction, the department under the Water Resources Regulation & Management Act, 2010 is mandated to take action as warranted under various sections like Section 66 (1,2), Section 67 (1,2), Section 72 (1,2,3,4), Section 73, Section 81, Section 83 (1,2,3,4), Section 84, Section 86 (a,b), Section 87 (1,2,3) etc.

There are also provisions under the Civil Services Conduct Rules, 1971 to take action against officers, if any found responsible for violation.

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Annexure-IA

(A) Details of each existing STP in the UT

i) In Jammu

No.	Location	Existing STP Capacity (MLD)	Capacity being utilized (MLD)	Operational status of STP	Remarks
1	Bhagwati Nagar, Distt. Jammu	30.00	20.00	Operational	Polluted River Stretches (PRS Tawi)
2		27.00	0.00	Not-Operational	Under the Control of NBCC
3		10.00	Nil	Operational	**Not yet taken over**
4.	Belicharana, Distt Jammu	**4.00**	**1.20**	Under Testing	PRS Tawi
5.	Jagti, Distt. Jammu	4	1.00	Operational	Other than PRS (with Relief &Rehabilitation Deptt.)
6.	Katra,Bhawan, Distt. Reasi.	3.20	1.60	Operational	Under Control of ShriMataVaishno Devi Shrine Board.
7.	KatraAdhkwari (SMVDSB)	0.4	0.20	Operational	Under Control of Shri Mata Vaishno Devi Shrine Board.
8.	Baryal, Distt Udhampur	8.00	2.00	Operational	PRS Tawi
9.	Omara, Distt Udhampur	4.00	1.50	Operational	PRS Devika
10.	Pitan, Distt Udhampur	1.60	0.80	Operational	PRS Devika
11.	Patnitop, Distt. Udhampur	1.20	0.80	Operational	Under control of Patnitop Development Authority
	Total (Jammu)	**93.40**	**30.10**		

i) In Kashmir

No.	Location	Existing STP Capacity (MLD)	Capacity being utilized (MLD)	Operational status of STP	Remarks
1	Mehndi-Kadal,Distt.Anantnag	4.00	2.00	Operational	PRS Jhelum
2	Hazratbal, Distt. Srinagar	7.50	7.50	Operational	Other than PRS (LCMA)
3	Habak, Distt. Srinagar	3.20	3.20	Operational	Other than PRS (LCMA)
4	NishatLaam, Distt. Srinagar	4.50	4.50	Operational	Other than PRS (LCMA)

5	Brari-Nambal (Old), Distt. Srinagar	17.08	17.08	Operational	PRS Jhelum
6	Brari-Numbal (New), Distt. Srinagar	16.10	13.10	Operational	Other than PRS (LCMA).
7	Nallah Amir Khan, Distt. Srinagar	5.40	4.00	Operational	Other than PRS (LCMA).
8	Badami-BaghCantt, Distt. Srinagar	5.00	3.00	Operational	Owned and Operated by Badamibagh Cantonment Board. PRS Jhelum
9	Pahalgam, Distt. Anantnag	2.00	1.00	Operational (Under Refurbishment)	PRS as per CPCB report 2022.
10.	Raj Bagh, Distt Srinagar	2.21	1.25	Operational	PRS Jhelum
11.	Aloochi Bagh, Distt. Srinagar	6.00	4.00	Operational	PRS Jhelum
	Total (Kashmir)	**72.99**	**60.63**		
	Total (J&K)	**166.39**	**90.73**		

Annexure-I(B)

(B) Details of under construction STPs in the UT

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	Interception & Diversion of Nallahs on right Bank of River Tawi from Tawi Bridge up to Madrassa Gujjar Nagar (package-I)	Nil	Civil Works 80%	----	12/2024	PRS Tawi
2	Interception & Diversion of Nallahs on right Bank of River Tawi from Madrassa Gujjar Nagar up to Dhounthly (Package-II)	Nil	Allotment issued work under progress	------	April 2025	PRS Tawi
3	Pollution abatement of River Banganga at katra	5.70			03/2027	PRS Banganga. AA & ES accorded by NRCD Vide no. J-24023/1/2019-NRCD_II Dated 21.02.2024 Preliminary actions required for implementation of the project have been initiated . SNA/holding accounts opened and the scheme on boarded on PFMS. MoU for use of SMVDB land for construction of 1.20 MLD STP signed. Intend for acquisition of lands submitted to Deputy Commissioner, Reasi vide Chief Engineers, J&K UEED letter No.:CE/UEED/TS/CJ/1151-55 dated 31-05-2024. Tendering process PDMC initiated and under process.

4	Samba Town (HNGT Plan)	3.50			03/2027	PRS Basantar DPR amounting Rs.70.00 Cr. Approved under HNGT Plan vide No. HUD-Plan 0CAPX/26/2023-01-(7202204) dated 22/11/2023 DPR of the project submitted for accord of Administrative Approval. Technical vetting under process.
i)	**In Kashmir**					
No.	**Location**	**Capacity of the Plant in (MLD)**	**Physical Progress in %**	**Status of I&D or House sewer connection**	**Completion Time**	**Remarks**
1	Noor Bagh, PalporaDistt. Srinagar	60.00	STP Civil: 86% E/M: 80%	**House sewer connections (In Nos.)** Target=16139 Achieved=8249	03/2025	PRS Jhelum (Under NBCC)
2	Charar-i-Sharief, Kashmir	2.00	STP Civil: 12% E/M: 0%	**House sewer connections (In Nos.)** Target=3300 Achieved=Nil	03/2025	Land Acquisition in Progress. Proposed for Funding under UIDF. Other than PRS
3	Baramulla Town	3.00	STP Overall Progress Civil: 57% E/M: 0%	**House sewer connections (In Nos.)** Target=5550 Achieved=Nil	03/2025	PRS Jhelum Proposed for funding under UIDF.
4	Sonamarg Phase-I	1.20	STP Civil: 80% E/M: 50% Sewer Network Civil 98%		03/2025	Other than PRS Under Sonamarg Development Authority
5	Doodhganga : D/S Bagh Mehtab (HNGT Plan)	12.24	Tenders floated		03/2025	HNGT OA No.241/2021
6.	Doodhganga: Bagh Mehtab to Chadoora	6.00			03/2026	HNGT OA No.241/2021

	(HNGT Plan)					
7.	Pollution Abatement of River Jhelum at Chunt Kul-Gaw Kadal, Srinagar	8.00			03/2027	PRS Jhelum AA & ES accorded by NRCD vide No. J-24023/3/2019-NRCD-II, dated 05.02.2024 for an amount of Rs. 63.81 Cr. On a 90:10 funding pattern. Preparatory actions viz opening of SNA and Holding accounts for the CSS done along with onboarding of the scheme on PFMS. An amount of Rs. 14.35 Cr. Stands released by NRCD.

Annexure-I(c)

(C) Details of Proposed STPs in the UT

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	Anantnag Sewerage Scheme (Zone-2nd/3rd) approved under under AMRUT 2.0.	21.30	DPRs Vetted by DCW. However, DPRs being recast by PDMC to restrict the case to the extent of available funds under AMRUT 2.0	3 years after accord of administrative approval	PRS Jehlum
2	Bijbehara, Town	3.0		2 years after sanctioning of project	PRS Jehlum
3	Awantipora Town	1.60			PRS Jehlum
4	Pampore Town	2.70			PRS Jehlum
5	Ganderbal Town	8.00			PRS Sindh
6	Gulmarg	3.20	DPR prepared by UEED and submitted to Tourism Department for accord of Administrative Approval	2 years after sanction of project	Under the Control of Gulmarg Development Authority
7	Projects proposed under	99.89	STPs for Class II/III/IV and nature	03/2026	A Centrally Sponsored Scheme

	SBM (Urban) 2.0		based treatments for Classes V/VI		on 80:20 funding pattern
8	Integrated Water Supply and Sewage Management Projects for Greater Srinagar	125.50	PFR prepared. Details shared with J&K ERA- the nodal agency for externally aided projects	6 years from date of receipt of administrative approval and expenditure sanction	Externally Aided Project Proposed for JICA funding
9	Integrated Water Supply and Sewage Management Projects for Greater Jammu	75.00	PFR prepared. Details shared with J&K ERA- the Nodal Agency for externally aided projects	6 years from date of receipt of administrative approval and expenditure sanction	Externally Aided Project Proposed for JICA funding

Annexure-II

- **Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg-**
  - **i. Waste to Energy (Tonnage and Power Output),**
  - **ii. Compost Plants (Windrow, Vermi, decentralized pit composting),**
  - **iii. Bio-methanation, MRF etc**

iv. Jammu Municipal Corporation

S. No.	MSW Processing Facilities	Installed Capacity (TPD)	Utilization of existing MSW Processing facilities (TPD)
1	Kot-Bhalwal MRF part of ISWM-350 TPD	150 TPD	150 TPD
2	MRF 1 (in Bandhurakh and operated by UNDP)	05 TPD	05 TPD
3	MRF 2 (In Bhagwati Nagar and operated by IPCA)	05 TPD	05 TPD
4	Window Composting at Kot-bhawal	50 TPD	50 TPD

Srinagar Municipal Corporation

The Srinagar Municipal Corporation (SMC) had previously submitted the City Solid Waste Action Plan (CSWAP) in accordance with the guidelines provided by the Ministry of Housing and Urban Affairs, which was approved in February 2024. However, upon further review, certain gaps were identified, particularly in waste processing and the incorporation of appropriate technologies. To address these shortcomings, the SMC has thoroughly revised the action plan, resulting in the creation of the revised "SMC CSWAP." This updated plan integrates advanced waste processing technologies, revises project costs based on updated feasibility studies, and aligns with the national objectives under the Swachh Bharat Mission.2.0, Subsequently, the plan was approved by the UTLTC.

Proposed Waste Management Facilities:

a) **Wet waste Facility**

- (Bio-CBG 459.02 TPD)

- Project Cost: Rs.82.62 Crore

b) **Material Recovery Facility (MRF):**

- Capacity: 459.02 TPD
- Project Cost: Rs. 39.02 Crore

The DPRs for both Waste Management Facilities are under preparation

- As on date, approximate 520 TPD waste is being dumped at the Achan Site. Out of 520 TPD waste, 130 TPD waste is processed.
- A Material Recovery Facility (MRF) is operational at SMC's dumping site where 25 Rag Pickers are working and recovering the recyclable material. The Rag Pickers have collected 970 MTs of plastic waste etc. at MRF up to August 2024.

Urban Local Bodies, Jammu

Waste to Energy (Tonnage and Power Output)	NIL

Compost plants (Windrow, Vermi, decentralized pit composting),

ULB Name	Technology	Capacity in TPD	Utilization in TPD
MC Doda	Vermi Composting	2.5	2.5
MC Bhaderwah	Vermi Composting	2.5	2
MC Sunderbani	Vermi Composting	2	1.5
MC Ramnagar	Vermi Composting	2	1.5
MC Katra	OWC (Mechanized Composting	200KG/Day	200KG/Day
	Composting & Pit Composting	2.5	2.5
MC Akhnoor	Pit Composting	2.5	2
MC Nowshera	Pit Composting	2	2
MC Udhampur	Pit Composting	2.5	2.5
MC Surankote	Pit Composting	2	1.5
MC Kathua	Pit Composting	2.5	2.5
MC Ramban	Pit Composting	2	1
MC Samba	Pit Composting	2.5	2
MC Kalakote	Pit composting	2	1
MC Batote	Pit Composting	1	1
MC Bari Brahmana	Pit Composting	1.5	1.5
MC Reasi	Pit composting	2.5	1.5

	MC Khour	Pit composting	2	1.5
	MC Jourian	Pit Composting	1	0.7
	MC Bilawar	Pit composting	1	0.9
	MC Vijaypur	Pit Composting	2	1.5

The Plan for under construction and proposed processing facilities is provided in the next section

Bio methanation: NIL

MRF

(Material Recycle Facilities)

ULB Name	**Technology**	**Capacity in TPD**	**Utilization in TPD**
MC Katra	Semi-Automatic MRF	5	5
MC Rajouri	Semi-Automatic MRF	5	4
MC Rajouri	Semi-Automatic MRF	5	4
MC Sunderbani	Semi-Automatic MRF	3	1.5
MC Surankote	Semi-Automatic MRF	2	1.5
MC Doda	Semi-Automatic MRF	5	4.5
MC Bhaderwah	Semi-Automatic MRF	5	2.5
MC Nowshera	Semi-Automatic MRF	3	2
MC Udhampur	Semi-Automatic MRF	5	5
MC Ramnagar	Semi-Automatic MRF	3	1.5
MC Kathua	Semi-Automatic MRF	5	5
MC Ramban	Semi-Automatic MRF	3	1

		MC Batote	Semi-Automatic MRF	3	1	
		MC Bari Brahmana	Semi-Automatic MRF	5	3	
		MC Reasi	Semi-Automatic MRF	5	2	
		MC Samba	Semi-Automatic MRF	5	2.5	
		MC Khour	Semi-Automatic MRF	3	2.5	
		MC Kalakote	Semi-Automatic MRF	2	1.5	
		MC Jourian	Semi-Automatic MRF	2	1	
		MC Bilawar	Semi-Automatic MRF	2	1	
		MC Vijaypur	Semi-Automatic MRF	3	3	
		MC Akhnoor	Semi-Automatic MRF	5	4	
		However, Rag-pickers are involved in each of the ULBs which are involved in secondary segregation and recycling of high valuable dry waste through the Kabadi-walas The plan for under construction and proposed processing facilities are provided in the next section.				

5. Urban Local Bodies, Kashmir	
Waste to Energy (Tonnage and Power Output),	**NIL**
Compost Plants (Windrow, Vermi, decentralized pit composting),	**11 plants processing 29 TPD**
Biomethanation,	**NIL**
MRF etc	**9 Plants processing 20 TPD**

Annexure-II(a)

v. Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)

1. Jammu Municipal Corporation

GAP = 374-210=164

JMC is in the process to setting up two Waste Processing facilities to fill the GAP between waste generation and waste processing. These initiatives have been taken by the JMC:

MSW Facilities	Capacity (TPD)	Technology	Status
Solid Waste Processing facility in Kot-Bhalwal (operated by NAFED)	350 TPD	CBG, Composting and MRF Centre	1.JMC signed the Concession agreement with NAFED on 07th April 2021 2. As per the Agreement 110 Kanal land has been allotted. 3. CEF Jammu Energy Pvt (SPV of NAFED) has started the work, and the Construction of the Boundary wall completed. 4. As per CA JMC will pay Rs.20.00 Crore VGF to NAFED as CAPEX support and fund requisition sent to Government. And on approval of the Government JMC has transferred an amount of Rs.8.39 Crores to NAFED against VGF. 5. The commissioning of MRF has been completed and the construction work of CBG is expected to be completed by December, 2024.
Integrated Solid Waste Management Facility in BandhuRakh	138 TPD	Biogas, Composting and MRF Centre	The revised TEFR has been prepared and the RFP is also ready. The tender will be floated once approval from the administration is obtained and work will be allotted to the successful bidders.
Material Recovery Facility-I	05 TPD	Plastic Product	JMC has signed an MoU with CEE (Centre for Environmental Education) for the set-up of the plastic facility in Bandu-rakh.

Material Recovery Facility-II	05 TPD	Plastic Product	JMC has signed an MoU with IPCA (Indian Pollution control Association Education) Centre for Environmental Education) for the set-up of the plastic facility in Bhagwati Nagar.

Srinagar Municipal Corporation

Srinagar Municipal Corporation is working on to implement aholistic solid waste management strategy with a vision to make Srinagar:

1. Litter Free
2. Bin Free
3. Dust Free
4. Land Pollution Free

Some of the major interventions undertaken by SMC. are as below:

1. Fleet up gradation and additional deployment ofhoppers/compactors/bins for achieving the 100% collection &transportation system. Procurement of 100 Nos. of Light Commercial Vehicles (LCVs) already completed. Further procurement of 100 LCVs has been completed by the Mechanical Engineering Department. With the augmentation of 200 LCVs (100Nos procured and 100 Nos. now procured), the door to door collection of segregated waste target shall be achieved.

2. 12 Garbage Transfer Stations are planned across the city. The Garbage Transfer Stations (GTS) will be located in different parts of the city and will be equipped with equipment's like ancillary infrastructure facilities, compactors, bins, hook loaders, leachate system and Material Recovery Facility. Tenders for setting up of 3GTSs floated, LOI to be issued soon.

3. Augmentation of existing Compost Plant for processing of 100%waste and to improve the quality of compost. 12 Nos of Insta Waste Convertors proposed to be set up at GTSs. 03 Nos of such Waste Convertors already procured.

4. 4 nos. of Mechanical Sweepers procured which would reduce 3times operational cost from manual Street Sweeping. Similarly, 3 Nos. of water sprinklers already procured and supply received.

5. Setting up of Animal Carcass Incinerator and Poultry Waste Incineration for the safe and scientific disposal of animal carcass and poultry waste. Tenders already floated through Mechanical Engineering Department.

6. DPR for setting-up C&D waste processing facility is being prepared.

7. Procurement & Installation of 3000 coloured coded litter bins in the city already tendered out. 100% Supply received.

8. 13 Nos of state-of-the-art underground bins set up throughout thecity. 100% Work executed.

9. 3 Nos of electronic Waste Pickers procured. Supply receivedDeployment of such waste pickers made.

10. A GIS based integrated waste management system which will have features like Fleet Management System, Geo-fencing and Geo mapping, Bio metric staff management system RFID based house numbering.

11. Srinagar Municipal Corporation is running a separate waste collection service for bulk waste generators. This is a user charge-based service where separate vehicles are being deployed for bulk waste collection. This ensures proper segregation of waste and also help in the revenue generation by Municipal Corporation.

3. Urban Local Bodies, Jammu

The details of the action plan to bridge the gap between current requirement and installed facility/current processing is provided under **Annexure-XI**

4. Urban Local Bodies, Kashmir

Action Plan for decentralized Solid Waste Management facility for every ULB has already been approved by the State Level Apex Committee of Swachh Baharat Mission held on 16.03.202,1 under the chairmanship of Chief Secretary J&K.

Revised Action Plan has been prepared and same has been approved by UTLTC headed by Principal Secretary, HUDD , Govt. of J&K & UTHPC headed by Chief Secretary, Govt. of J&K for INR 239.74 cr.

Annexure-III

Points	Jammu Municipal Corporation.	Srinagar Municipal Corporation	Urban Local Bodies Jammu	Urban Local bodies Kashmir
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	**Existing facilities**: (Nil) One collection centre created at Bhagwati Nagar site for storages of C&D Waste. **Proposed facilities**:-**01** JMC has prepared the comprehensive DPR for setting up the C&D waste Processing Facility. The RFP has been prepared and tender was floated on 06.08.2024. Tender will be finalized after MCC.	The SMC is contemplating to set up 125 **TPD capacity** C&D Waste Processing Plant in Saidapora, Achan. The DPR is under process. C&D Waste collection centre at dumping site Achan, Srinagar already notified.	As on date, no C&D processing Plant has been established in any of the ULBs of Jammu Division. A survey has been conducted in all ULBs to determine the quantity of C&D waste generated. The C&D waste generated in all the ULBs varies month to month between 500 kgs to 5 Tonnes. As per the survey report we have started the process of preparing RFPs for the installation of C&D waste processing plants in all 36 ULBs. As per the proposed action plan, the sanitary landfill sites to be developed & C&D waste shall also be disposed at the designated place at the Sanitary landfill site. The Chief Executive Officers/Executive Officers have already been directed to dump the C&D waste at the identified site only.	02 (proposed) of capacity 15 TPD each for Uran Hall in Anantnag & Jetty in Baramulla

Annexure-IV

Points	**Jammu Municipal Corporation.**	**Srinagar Municipal Corporation**	**Urban Local Bodies Jammu**	**Urban Local bodies Kashmir**	**Total**
Total no. of wards,	**75 wards**	**74 Electoral Wards;**	**446**	**529**	**1124**
no. of wards having door to door collection	**75 (100%)**	100% door to door waste collection being practiced	**100%**	**529**	**1124**
no. of wards practicing segregation at source	**40% Overall**	60 % in all wards	**268**	**434**	

Annexure-V

Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)

1. Jammu Municipal Corporation

Name of MSW treatment Facilities	Status	Capacity	Technology	Time line
ISWM Bandhu -Rakh	Proposed	138 TPD	Bio- Gas compositing and MRF Centre	Dec—2025
Solid Waste Processing Facility in Kot-Bhalwal	Proposed	350 TPD	Bio- Gas compositing and MRF Centre	December-2024

2. Srinagar Municipal Corporation

Waste to Energy Plant:
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 hasalready handed over land measuring 10 acres to the project developer who has undertaken civil works at site.

Construction of land fill Cell No: IV:
Construction of landfill cell No. IV at dumping site Achan, Srinagar stands already tendered. Bids received, Technical and financial evaluation of bids already done. Administrative approval granted. LoI and Award of work to be issued by after MCC.

Bio Remediation of legacy waste:
Bio Remediation of 11 lac MTs Bio-Remediation of legacy waste Achan.

Tractors for snow clearance:
Supply of 43 Tractors with trolleys received from MED. Being used for waste transportation in non-winter months.

Vacuum Cleaning & Water Sprinkling Vehicles:
Authority Letter issued to Chief Engineer, Mechanical Engineering Department for procurement of additional 10 Nos. each of Vacuum Cleaning vehicles and 10 Nos. of Water Sprinkler vehicles. Tenders floated by MED and partial procurement done. Supply expected by ending Aug 2024.

Wheeled bins:
Supply order for procurement of 500 Nos. of 120 litre wheeled bins issued. Supply received.

Personal Protection Equipment:
Uniform including gloves, goggles, masks, rain coats, pent/shirt, frock/shalwar, boots for Safaiwalas already ordered. 100% supplyreceived and distributed amongst the sanitation workers.

3. **Urban Local Bodies, Jammu**
As per the action plan the process of establishment of Solid Waste Management Processing Facilities in 21 ULBs has been completed, 06 UlBS work in progress, 8 ULB lad has not been identified. In 01 ULB work stopped due to local issues. The capacities of the Solid Waste Management Processing Facilities in different ULBs shall be commensurate with the waste generation in such ULBs. These facilities are being designed to take care of increased Municipal Solid Waste generation in the next 15 to 20 years. Tender for empanelment of agencies for supply and installation of machineries for MRF already completed.
4. Urban Local Bodies, Kashmir
66 number of Compost Plants using Aerated Compost pits method in 36 ULBs for composting of 160 TPD wet waste, and 66 Material Recovery Facility (MRF) in 36 ULBs for processing of 127 TPD dry Waste. 02 number integrated facility: with cumulative capacity 172 TPD, for (92 TPD Each, for MC Anantnag/MC Bijbahera and 80 TPD for MC Baramulla/MCSopore) have proposed. Procurement of Collection Vehicles with twin compartment bins to achieve 100% door-to-door collection of segregated waste for all ULBs has been completed & 151 Auto Hoopers & 480 Tri-cycles have been provided to all ULBs. Recently construction of Waste Management Centers stands completed and inaugurated on 12 May 2023 at 9 sites which is processing 40 TPD waste of 10 ULBs viz Chadoora - 4TPD, Ganderbal - 5 TPD, Kunzer/Tangmarg - 5 TPD, Qazigund - 5 TPD, Shopian - 5 TPD, Dooru-Verinag - 5 TPD, Sumbal - 4 TPD, Achhabal - 4 TPD & Beerwah - - 5 TPD at a cost of around 13 Cr. EIA is under process for Integerated Facility as per guidelines of CPCB and SWM Rules 2016. Establishment of WMCs will be completed by September, 2025. 69616 pairs of twin dustbins have been procured and distributed by all the ULBs, for an amount of Rs.119.92 Lacs. The PMU (Project Management Unit) for Solid Waste Management facilities at Directorate of Urban Local Bodies Kashmir has been established.

Annexure-VI

<table>
<tr><th>Points</th><th>Jammu Municipal Corporation.</th><th>Srinagar Municipal Corporation</th><th>Urban Local Bodies Jammu</th><th>Urban Local bodies Kashmir</th></tr>
<tr><td>No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.</td><td>(Bhagwati Nagar Dump Site area as 32.50 acres

(Quantity, 1,20,000 MT)

Work start date: Oct-2020,
Qty processed: 1,20,000 MT
Time Line: April-2022(completed)

Kot-Bhawal Dumpsite Area 19.50 acres
Estimated Waste as on date 616000 MT.

JMC has prepared DPR for remediation of dumpsite which is vetted by Development Commissioner, Works.

Under SBM 2.0, Jammu Municipal Corporation has proposed remediation for the ongoing dumpsite at Kot-Bhalwal. The tender has been floated on 29.05.2024 and currently the technical evaluation is under process. Tender will be finalized after MCC.</td><td>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 operation.</td><td>Approx. 90.75 acres of land is being utilized in various ULBs as Garbage Dumpsites.
<table><tr><th>Site</th><th>Quantum of Legacy Waste</th></tr><tr><td>Doda</td><td>35,000 MT</td></tr><tr><td>Bhaderwah</td><td>10,000 MT</td></tr><tr><td>Poonch</td><td>15,000 MT</td></tr><tr><td>Rajouri</td><td>15000 MT</td></tr><tr><td>Hiranagar</td><td>20,000 MT</td></tr><tr><td>R S Pura</td><td>18,000 MT</td></tr><tr><td>Total</td><td>1,13,000 MT</td></tr></table>Bioremediation Work at Katra is completed (First Phase).

Bioremediation work at Udhampur, Samba and Kathua is completed.

Finalization of land in 3 sites for Development of sanitary Landfill (SLF) on cluster basis is done. Tender for Selection of Consultant for finalization of Sites, Environmental Clearance and DPR preparation for Scientific Landfill Development for ULBs in Jammu</td><td>NIL</td></tr>
</table>

			for 3 sites in Jammu Division is under process.	

Annexure-VII

Points	**Jammu Municipal Corporation.**	**Srinagar Municipal Corporation**	**Urban Local Bodies Jammu**	**Urban Local bodies Kashmir**
No. and area (in acres) of legacy waste within 1 km buffer of both side of the rivers	Baghwati Nagar Dump Site Area in Acres=32.50 acres. Quantity =1,20,000 MT Work Start Date Oct-2020 Qty. Processed = 1,20,000 MT. Timeline = Completed April-2022.	None, In the buffer within 1 KM of rivers	NIL	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	No. of drains falling into rivers: **35** No. of drains installed screens: 0	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.	NIL	Nil

Annexure-VIII

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
Jammu Municipal Corporation.	1	374 TPD	171 TPD	03	60-70%	-
Srinagar Municipal Corporation	1	520 TPD	150 TPD	1. Mechanical Segregator; 2. Land filling.	30 TPH capacity Mechanical Segregator. 75% land filling in land fill Cell No. 2.	1. Tenders for 11 lac MTs Bio-Remediation of legacy waste Achan. 2. The allotment of work for construction of Cell No.IV to be issued after MCC.
Urban Local Bodies Jammu	36	**235**	**80 approx.**	ULBs wise details shown as **Annexure XI**		
Urban Local bodies Kashmir	40	324	78	Total 11 WMC arefunctional currently. Two (2) Waste to compost plants at Pahalgam and Tangmarg ULB. Nine (9) Recently construction of Waste Management Centers stands completed and inaugurated on 12 May 2023 at 9 sites which is processing 40 TPD waste of 10 ULBs viz Chadoora 4TPD, Ganderbal	78.00 TDP	66 number of Compost Plants using Aerated Compost pits method in 36 ULBs for composting of 160 TPD wet waste, and 66 Material Recovery Facility (MRF) in 36 ULBs for processing of 127 TPD dry Waste. 02 number integrated facilities of cumulative capacity 172 TPD (80 TPD for Sopore/Baramulla and 92 TPD for (MC Anantnag, MC. Baramulla/MC Sopore) Procurement of Collection

				- 5 TPD, Kunzer/Tangmarg 5 TPD, Qazigund -5 TPD, Shopian - 5 TPD, Dooru-Verinag-5 TPD, Sumbal-4 TPD, Achhabal 4 TPD & Beerwah - - 5 TPD at a cost of around 13 Cr.		Vehicles with compartment bins to achieve 100% door-to-door collection of segregated waste for all ULBs has been completed & 151 Auto Hoopers & 480 Tri-cycles have been provided to all ULBS Recently construction of Waste Management Centers stands completed and inaugurated on 12 May 2023 at 9 sites which is processing 40 TPD waste of 10 ULBs viz Chadoora - 4TPD, Ganderbal - 5 TPD, Kunzer/Tangmarg - 5 TPD, Qazigund - 5 TPD, Shopian-5 TPD, Dooru-Verinag- 5 TPD, Sumbal-4 TPD, Achhabal - 4 TPD & Beerwah -- 5 TPD at a cost of around 13 Cr. EIA report is being prepared for Integrated Facility as per guidelines of CPCB and SWM Rules 2016. By September 2025 Establishment of WMCs will be completed. 69616 pairs of twin dustbins have been procured and distributed by all the ULBs, for an amount of Rs.119.92 Lacs. The PMU (Project Management Unit)

						for Solid Waste Management facilities at Directorate of Urban Local Bodies Kashmir has been established.

Annexure-IX

Plastic Waste Management

	Jammu Municipal Corporation	**Srinagar Municipal Corporation**	**Directorate of Urban Local Bodies, Kashmir.**
Total - waste generation.	40 TPD	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 **31 TPD** based on analysis done in the year 2013.	**76 TPD**
Treatment/Measures adopted for reduction or management of plastic waste.	JMC is procuring infrastructure related to collection & transportation, transfer Station, Underground bins, etc. for implementation of effective Solid Waste Management in Jammu City. Order has been placed for purchase of 66 E-rikshaws and delivery received. Order has been placed for the purchase of 89 autos and delivery received. JMC has purchased 100 nos. (six-bins) tricycle rickshaws for garbage collection from narrow streets. 8 Nos. of transfer stations were proposed out of which all transfer station stands work completed and functional. b. After awareness by JMC, 70 dairies/gaushalas have installed bio-gas units, vermicompost units& compost pits in their premises for scientific disposal of dung. (List Attached)	There is no treatment facility set up as on date. However; One number MRF has been set up at dumping site where 26 Rag Pickers are integrated with material recovery. 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. SMC has set up at landfill site at Achan where more than 26 rag pickers are segregating plastic waste from Municipal Solid Waste. From September 2018 to May 2024, the Rag Pickers have collected 940 MTs of Plastic waste at Landfill site Achan. To enforce strict ban on sale, stock and carrying of polythene bags of <100 microns thickness, the SMC from Jan-2018 has seized and destroyed 8700 Kgs	1. The single use plastic has been banned in all 40 ULBs. Awareness regarding hazardous effects of plastics being imparted among general masses. ULBs have conducted 360 Anti plastic drives to eradicate the menace of plastic. All ULBs have distributed the eco-friendly material viz Jute bags as a replacement to plastic (bags) among inhabitants and also continuous awareness regarding hazardous of polythene/plastic through IEC activities are being conducted for mass consciousness of general public Plastic waste management By-Laws have been notified/ adopted by all 40ULBs. Special task force teams were

	c. JMC has launched sustained campaigns for plastic waste management and solid waste management from time to time with the help of SHGs, NGOs, and educational institutes. The themes of these campaigns are- Plastic free rallies, and cleaning of plastic waste from roadsides and households by students/volunteers. d. From time to time JMC organizes various awareness programs on PWM at the Community level. e. JMC has decided that a zero-tolerance approach needs to be adopted to check the menace of Plastic/Single-use plastic & more focus to be given to the Behavior Change Communication (BCC) aspect. In this direction, a comprehensive campaign namely #Byebyeplasticand #Jammuagainstplasticwas launched by JMC with the following strategies: Establishment of Kiosks at prominent places of Jammu City where useful information will be shared regarding the ill effects of the usage of Plastic. Besides, these Kioskswill function as exchange points for Single-use plastic/ polythene with that of a Cloth/ Jute Bag. The public will be encouraged to use a Jute/ Cloth Bag for carrying daily provisions and goods. Encouraging Shopkeepers/ departmental	(including polythene seized by WardOffices during routine drive) of banned polythene within the limits of Srinagar City and realized Rs. 11,90,00/- as fine from the defaulters in anti-polythene drives by Anti Polythene Squad and Ward Officers of the Corporation. The SMC has also constituted a squad to check the polythene menace in the city.	constituted in all Municipal Councils/Committees of Kashmir Division to conducts raids in respective ULBs, seize the Single use plastic and impose fine on the violators on daily bases. A total of 7343.85 Kgs polythene has been seized and Rs.14,85,920/- as fine has been imposed against the defaulters till date, out which 705.773 kg and Rs 73,150/- are from the month of August 2024. ULBs have engaged 204 Eco Guards (rag pickers) in order to channelize the plastic waste to small scale industries and process of registering more rag pickers is under progress. For effective implementation of single use plastic ban provision to penalize End User / citizens using plastic carry has been enforced. End User /citizens will have to pay fine of Rs.100 during September, Rs.200 in October, Rs 300 in November. ULBs have started penalizing End User/ citizens carrying plastics carry. Moreover, waste management centers at every ULB have been approved under decentralized Solid Waste Management action plan in which plastic waste is planned to be segregated for recycling/reuse.

	store managers to keep Cloth/ Jute bags intheir establishments for providing to customers instead of Plastic/ Polythene bags forpackaging provisions. Some innovative messages are also displayed on the countersin this context. Conducting awareness programs for shopkeepers regarding various aspects and provisions of Plastic Waste Management Rules 2016 particularly with respect to "Explicit pricing of Plastic carry bags", so that customers be charged for using (approved- 120 microns) plastic/polythene bags, which will work as a deterrent to use polythene bags. Enforcement teams have been constituted to check the violations under subsequent amendments of Plastic Waste Management Rules, 2016, and appropriate fines and penalties are imposed on the violators on a regular basis. f. JMC has signed an MoU with CEE (Center for Environment Education) for setting up a recycling facility with 5 TPDs capacity and construction of civil work completed butmachinery part will be completed by 30th June 2024.		The drive has been conducted in presence of worthy Divisional Commissioner, Kashmir and Director, Urban Local Bodies Kashmir to replace plastic bags to non-woven bags, at the entry of Gulmarg Tourist Place. Data of every ULB regarding development of SUP App has been forwarded to the CPCB. Recently construction of MRF stand completed and inaugurated on 12 May 2023 at 9 sites which is processing plastic waste of 10 ULBs.

Annexure-X

I. Identification of Polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment:

UEED J&K

i) Jammu

S.No	Name of Rivers	Polluted Stretches	Source of Pollution	Drains Contributing to River Pollution	Action
1.	**River Devika, Udhampur**	Guru Ravi Dass Temple to Nainsu at Udhampur	a. Un-treated sewage pollution from Municipal drains. b. Unabated disposal of Municipal Solid Waste.	**13 Nos. Drains** i.Housing Colony ii.MH to Devika iii.MH Chowk iv.Shiv Nagar near S.S.P office v.Meat Market vi.Near Happy Model School vii.NearBhartiVidyaMandir viii.NearRaghunathMandir ix.Chabbutra Bazaar x.Opp. AryaSamajMandir xi.Opp. GeeetaBhawan xii.NearDak Bungalow xiii.Link road Devika	**The Project is approved under NRCP funding for Rs.186.74Cr.** The main component of the project was to lay sewerage network within municipal council Udhampur with construction of 03 no. STPs having capacity 8 MLD, 4 MLD and 1.6 MLD in addition to 9 No IPS's. the work has been completed and all the 3 No. STP's & 9 No.IPS's / Sewer Network are under Trial run. The liquid sewage coming out from Households/commercial establishment which was flowing through various drains into River Tawi and River Devika has now been diverted to STP's through Sewer network for treatment before it is disposed of. Project is completed except installation of Solar Plants at STP's.
2.	**Banganga, Holy Stream, Katra**	Pony Shed to Bathing Ghat, Banganga, Katra	a. Untreated Solid and Liquid waste disposal from pony sheds. b. Untreated sewage from nearby localities/ establishments. c. Unabated disposal of	**7(Nos.)drains** from Pony Shed to Bathing Ghat, Banganga, Katra i.Nallah 1 ii.Nallah 2 iii.Nallah 3 iv.Nallah 4 v.Nallah 5 vi.Nallah 6 vii.Nallah 7	AA & ES for the project accorded by NRCD vide J-24023/1/2019-NRCD-II Dated 21.02.2024. to treat the raw liquid sewage coming from Households/Commercial establishments and flowing through various drains into Banganga River shall be diverted to STP's for treatment before, it is disposed of. Preliminary actions required for implementation of the project have been initiated. SNA/holding accounts opened and the scheme onboarded on PFMS. MoU for use of SMVDB land of 1.20 MLD STP Signed.

			Municipal Solid Waste. d. Sewage Pollution from minor/major establishments		Intend for Land Acquisition for construction of 1 No. STP and 5 Nos. IPSs submitted to Deputy Commissioner, Reasi vide Chief Engineers, J&K UEED letter No.CE/UEED/TS/CJ/1151-55 dated 31.05.2024.
3.	**River Tawi, Jammu**	Surajpur to Belicharana, River Tawi at Jammu	a. Disposal of Untreated Sewage Waste from Jammu city. b. Unabated Disposal of Municipal Solid Waste. c. Dumping of Construction and Demolition Waste. d. Pollution from minor/major establishments	**26 Nos. Drains** **On R.H.S** i. DounthlyNallah ii. JullahaMohalla iii. Peerkho 1 iv. Peerkho main v. Gujjar Nagar 7 vi.GujjarNagar 6 vii.GujjarNagar 5 viii.GujjarNagar 4 ix.GujjarNagar 3 x.GujjarNagar 2 xi.GujjarNagar 1 xii.GujjarNagar main xiii.Jogi Gate xiv.Prem Nagar xv.Christian Colony Nallah xvi.Qasim Nagar xvii.Reharinallah xviii.Krishna Nagar xix.Rajinder Nagar xx.Bhagwati Nagar **On L.H.S** i.Gorkha Nagar ii. Rajiv Nagar iii. University Nallah iv.RefugeeBasti v.BikramChowk vi.Ware House	**Right Bank:** Interception and Diversion of Nallahs on right bank of River Tawi. **Package-I:** From Tawi Bridge up to Madrassa , Gujjar Nagar Rs. 11.21 Cr. **Package-II** : From Madrassa, Gujjar Nagar up to Dhounty Rs. 26.88 Cr. **Left Bank:** Construction of 4 MLD STP at Belicharana based on SBR Technology completed. At present under Testing.
4.	**River Basanter,**	Samba to Chak	a. Disposal of	**3 Nos. Drains**	i) DPR amounting Rs.70.00 Cr approved under

	Samba	Manga Rakwal, adjoining IGC Samba	Untreated Sewage Waste from Samba Town and nearby localities. b. Effluents from industries in IGC-Samba. c. Unabated Disposal of Municipal Solid Waste. d. Dumping of Construction and Demolition Waste. e. Pollution from minor/major establishments.	i) Sidco Sewage Drain backside of Hotel Rex ArgiNallah ii) Near ShamshanGhatMandiFlouraNallah. iii) Drain near Railway Bridge.	HNGT Plan Vide HUDD No. HUD-Plan0CAPX/26/2023-01-(7202204) Dated 22/11/2023 for treatment of liquid raw sewage coming from domestic households/commercial establishment in the STPs before disposing it off. ii) DPR of the project submitted for accord of Administrative Approval.
5.	**River Chenab, Akhnoor**	JalPatan (JioPota) to Pargwal at Akhnoor	a. Disposal of Untreated Sewage Waste into River Chenab. b. Unabated Disposal of Municipal Solid Waste c. Un-authorised dumping of Construction and Demolition Waste. d. Pollution from	**3 Nos. drains** i). Baba Jitto Nallah ii). Nallah near Gurudwara iii). Ward No.10 Nallah	i)DPR amounting Rs.123.21 Cr. For treatment of liquid raw sewage coming from domestic households/commercial establishment in the STPs before disposing it off. Submitted to **NRCD** for consideration/release of funds but due to budgetary limitations they requested to mobilize necessary financing from own resources of J&K UT or under different programmes of Government.

			minor/major establishments .		
6.	**Bioremediation for treatment of wastewater flowing in nallahs/drains falling and Polluting river stretches (i) Tawi, (ii)Ban-Ganga, (iii) Basanter, (iv) Devika& (v)Chenab in Jammu identify by NGT**	Interim measure to control pollution of river stretches mentioned above under s.no-01 to 05 in Jammu Region	As mention above under s.no-01 to 05	As mention above under s.no-01 to 05	Not taken up due to non-availability of funds under "Maintenance and Repair" Head of Account.

Kashmir

S.No	Name of Rivers	Polluted Stretches	Source of Pollution	Drains Contributing to River Pollution	Action
7	**Chunt Kul-Gaw Kadal (Tributary of Jhelum)**	Gaw kadal to Zero Bridge	a) Discharge of untreated sewage into the river. b) Dumping of Solid Waste.	8 (No.) dewatering pumps	AA& ES accorded by NRCD vide No. J-24023/3/ 2019-NRCD-II Dated 18.03.2024 for an amount of Rs.63.81 Cr. On 90:10 funding pattern.
8	**<u>Jhelum</u> i) Anantnag Zone-II/III.** **ii)Bijbehara** **iii)Awantipora** **iv)Pampore**	Anantnag to Chattabal Weir	a) Discharge of un-treated Sewage into the river. b) Dumping of Solid Waste.	62 drains + 14 Dewatering pumps	DPR Vetted by DCW . However, DPRs being recast by PDMC to restrict the cost to the extent of available funds under AMRUT 2.0. DPRs for used water management in these three cities stands vetted by DCW at costs Rs.41.65 Cr. Rs 29.91 Cr. And Rs. 96.26 Cr. Respectively.

9	**Sindh**	Along Duderhama (Ganderbal)	a) Discharge of un-treated sewage into the river. b) Dumping of Municipal Solid Waste.	13 (No.) drains	Deleted from the list of Polluted River Stretches published by CPCB in 2022 in view of improvement of water quality. However, DPR already prepared and submitted to Government of India for accord of Administrative Approval.
10.	**Lidder**	Along Main Market Pahalgam	a. Discharge of untreated sewage into the river. b. Dumping of Municipal Solid Waste		Presently 2.0 MLD STP under refurbishment. Work in Progress.
11	**Bio-remediation for treatment of wastewater flowing through drains/Nallahs out falling into rivers in Kashmir Region as identified by NGT for a period of 1 year.**	Interim measure to control pollution of river stretches mentioned above under s.no-07 to 10 in Kashmir Region	As mention above under S.No.07 to 10	As mention above under S.No.07 to 10	Not taken up due to non-availability of funds under "Maintenance and Repair Head of Account."

X. Identification of Polluting sources including drains contributing to river pollution and action as per NGT order on in situ treatment:

Srinagar Municipal Corporation

To revive the pristine glory of the water bodies, rivers, lagoons, ponds, streams and so on existing in the Srinagar city, the Srinagar Municipal Corporation is actively participating in the water bodies clearance initiatives. Here are glimpses of some of the work done for restoration of water bodies of Srinagar city:-

1) Rejuvenation of Khushalsar / Gilsar:

The Srinagar Municipal Corporation is providing every assistance and support to Lakes and Waterways Development Authority, Irrigation & Flood Control Department by way of lifting and disposal of muck/garbage/weed etc. collected from the Khushalsar&Gilsar lakes. The SMC is lifting around 07 tipper loads of muck/garbage etc. at an average on daily basis. Every support is being given to the JK LCMA & I&FC Departments in rejuvenation and restoration of said water bodies.

2) Conservation of Dal/ NigeenLakes :

The Dal and Nigeen Lakes are surrounded by the 06 Municipal Administrative Wards comprising of Ward Nos. 01 (Nishat), 02 (Lalchowk), 03 (Dal), 08 (SaidaKadal), 11 (Lalbazar) & 12 (Hazratbal). The waste management of the peripheries of the twin lakes in said Municipal Wards is being done the Srinagar Municipal Corporation (SMC). The SMC is collecting the solid waste generated in the peripheries by households and business establishments on daily basis.

The SMC has already brought Ward No. 11 & Ward No. 01 under the ambit of 100% segregated door to door waste collection and efforts are on to include more wards particularly the remaining Wards under this ambit. It is being ensured that the waste generated in the peripheries is collected at source and disposed off accordingly. Nearly 40 MTD solid waste is generated in the peripheries of the Lakes which is being taken to the Municipal waste dumping facility using the different kinds of waste hauling vehicles such as Light Commercial Vehicles, Compactor Vehicles etc.

The SMC has also installed Waste Bins (Compactor Bins) alongside the peripheries of the Lakes, which are being emptied on regular basis.

The waste management of the interior Dal &Nigeen Lakes is being looked after by the Lakes Conservation Management Authority (LCMA). The SMC is providing transportation and disposal/dumping facility to the LCMA against the nominal charges. SMC has put its transportation facility available to the LCMA at 02 spots at Near Welcome Hotel, Boulevard Road & Ranger Stop, where the waste collected by the LCMA is loaded on the tippers for its final disposal at SMC's waste disposal facility at Achan Srinagar. Nearly 15 MTD waste is collected by the LCMA from the interiors of the Dal &Nigeen Lakes.

The SMC has constructed Trash Guards alongside the water channel from Khojyarbal to Nowpora wherein the trash flowing through the surface drains is trapped. The trapped trash is being subsequently cleared by the Boatmen-cum-Safaiwalas engaged by the SMC for the very purpose.

3) Sunday for Srinagar Programme:

The SMC continues its innovative Sunday for Srinagar programme and on every Sunday, bad spots, embankments of water bodies, water channels and wet lands are being cleared of the waste. More than 570 special sanitation drives have been launched in the areas of concern from March 2021 and relieved of legacy and dumped waste.

4) Hokarsar wet land:

Regular sanitation drives are being conducted of the embankments of the Hokarsar wet land besides 100% door to door waste collection is being done to ensure no waste is thrown or dumped in the wet land. The Srinagar Municipal Corporation is providing every assistance to Wildlife department for maintenance of sanitation of the Hokarsar falling within SMC jurisdiction. The Corporation lifted around 12 tonnes of waste accumulated at a major trash guard/barricade erected by Wildlife Department from Zainakote side

XVI. Rain Water Harvesting

A provision for rain water harvesting is being incorporated in building permissions issued by Srinagar Municipal Corporation in accordance with the order No.269 of 2020 dated 11/2/2020.

XX: Development of Bio-diversity Park:

Srinagar Municipal Corporation has recently constituted Biodiversity Management Committee on 29/10/2020 under section 41 (1) of Biological Diversity Act, 2002; and Rule 19 of the J&K Biological Diversity Rule, 2015 vide Order No. 1362 of 2020 dated 29/10/2020. A meeting of the committee members along with other stakeholders was convened on 28/11/2022 at SMC Head office by Joint Commissioner SMC who happens to be the Member Secretary of BMC. Vide No. SMC/PS/JCS/03-41 dated 4/1/2023, the minutes of the meeting has been issued.

Annexure XI

Status of ULB Wise Management of Solid Waste

Urban local bodies Jammu

ULB	Total MSW generation in TPD	Total Dry Waste in TPD	Total Wet Waste in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization capacity of the existing MSW facilities	Proposed MSW facilities and completion timeline
MC, Akhnoor	**7.0**	3.5	3.5	1.40 (through recyclers)	Initiated for 5 TPD MRF and 2.5 TPD Composting Unit	NIL	5 TPD MRF Plant and 2.5 TPD Composting Unit D.O.C: 31/01/2022
MC, Jourian	**2.00**	1	1	0.40 (through recyclers)	Initiated for 2 TPD MRF Plant and 1 TPD Composting Unit	NIL	2 TPD MRF Plant and 1 TPD Composting Unit D.O.C: 31/01/2022
MC, Khour	**3.00**	1.5	1.5	0.60 (through recyclers)	Initiated for 3 TPD MRF Plant and 2 TPD Composting Unit	NIL	3 TPD MRF Plant and 2 TPD Composting Unit D.O.C: 31/01/2022
MC, Ghoumanhasan	**1.69**	1.4	1.4	0.34 (through recyclers)	Land identification currently in process	NIL	Land identification currently in process
MC, R S Pura	**10.00**	5	5	2.00 (through recyclers)	Initiated for 5 TPD MRF Plant and 2.5 TPD Composting Unit	NIL	5 TPD MRF Plant and 2.5 TPD Composting Unit D.O.C: 31/01/2022
MC, Bishnah	**3.00**	1.5	1.5	0.60 (through recyclers)	Land identification currently in process	NIL	Land identification currently in process
MC, Arnia	**2.00**	1	1	0.40 (through recyclers)	Initiated for 2 TPD MRF Plant and 1 TPD Composting Unit	NIL	2 TPD MRF Plant and 1 TPD Composting Unit D.O.C: 31/01/2022
MC, Samba	**9.00**	4.5	4.5	1.80 (through recyclers)	Initiated for 5 TPD MRF Plant and 2.5 TPD Composting Unit	NIL	5 TPD MRF Plant and 2.5 TPD Composting Unit D.O.C: 31/01/2022
MC, Vijaypur	**3.00**	1.5	1.5	0.60 (through	Initiated for 3 TPD MRF Plant and 2	NIL	3 TPD MRF Plant and 2 TPD Composting Unit

				recyclers)	TPD Composting Unit		D.O.C: 31/01/2022
MC, Ramgarh	**2.4**	1.2	1.2	0.48 (through recyclers)	Initiated for 3 TPD MRF Plant and 2 TPD Composting Unit	NIL	3 TPD MRF Plant and 2 TPD Composting Unit D.O.C: 31/01/2022
MC, Bari Brahmana	**2.00**	1	1	0.40 (through recyclers)	Initiated for 2 TPD MRF Plant and 1 TPD Composting Unit	NIL	2 TPD MRF Plant and 1 TPD Composting Unit D.O.C: 31/01/2022
MC, Rajouri	**16.00**	8	8	3.20 (through recyclers)	Initiated for 5 TPD MRF Plant and 2.5 TPD Composting Unit	NIL	5 TPD MRF Plant and 2.5 TPD Composting Unit D.O.C: 31/01/2022
MC, Sunderbani	**3.00**	1.5	1.5	3.00 (through recyclers and Processing Facility)	Initiated for 3 TPD MRF Plant and 2 TPD Composting Unit	NIL	3 TPD MRF Plant and 2 TPD Composting Unit D.O.C: 31/01/2022
MC, Nowshera	2.19	1.09	1.09	0.44 (through recyclers)	Land identification currently in process	NIL	Land identification currently in process
MC,Thanamandi	**1.20**	1.1	1.1	0.24 (through recyclers)	Land identification currently in process	NIL	Land identification currently in process
MC, Kalakote	**1.61**	1.8	1.8	0.32 (through recyclers)	Initiated for 2 TPD MRF Plant and 2 TPD Composting Unit	NIL	2 TPD MRF Plant and 2 TPD Composting Unit D.O.C: 31/01/2022
MC, Poonch	**10**	5	5	2.00 (through recyclers)	Initiated for 5 TPD MRF Plant and 2.5 TPD Composting Unit	NIL	5 TPD MRF Plant and 2.5 TPD Composting Unit D.O.C: 31/01/2022
MC, Surankote	**3.00**	1.5	1.5	0.60 (through recyclers)	Land identification currently in process	NIL	Land identification currently in process
MC, Kathua	**32.00**	16	16	6.40 (through recyclers)	Initiated for 5 TPD MRF Plant and 2.5 TPD Composting Unit	NIL	5 TPD MRF Plant and 2.5 TPD Composting Unit D.O.C: 31/01/2022
MC, Billawar	**2.00**	1	1	0.40	Initiated for 2 TPD	NIL	2 TPD MRF Plant and 1

				(through recyclers)	MRF Plant and 1 TPD Composting Unit		TPD Composting Unit D.O.C: 31/01/2022
MC, Basohli	**2.00**	1	1	0.40 (through recyclers)	Land identification currently in process	NIL	Land identification currently in process
MC, Lakhanpur	**4.00**	2	2	0.80 (through recyclers)	Initiated for 5 TPD MRF Plant and 2.5 TPD Composting Unit	NIL	5 TPD MRF Plant and 2.5 TPD Composting Unit D.O.C: 31/01/2022
MC, Parole	**3.00**	1.5	1.5	0.60 (through recyclers)	Initiated for 3 TPD MRF Plant and 2 TPD Composting Unit	NIL	3 TPD MRF Plant and 2 TPD Composting Unit D.O.C: 31/01/2022
MC, Hiranagar	**1.81**	1.9	1.9	0.36 (through recyclers)	Initiated for 2 TPD MRF Plant and 2 TPD Composting Unit	NIL	2 TPD MRF Plant and 2 TPD Composting Unit D.O.C: 31/01/2022
MC, Katra	**38.00**	19	19	11.60 (through recyclers and Processing Facility)	Initiated for 5 TPD MRF Plant and 2.5 TPD Composting Unit	100%	5 TPD MRF Plant and 2.5 TPD Composting Unit D.O.C: 31/01/2022
MC, Reasi	**7.00**	3.5	3.5	1.40 (through recyclers)	Initiated for 5 TPD MRF Plant and 2.5 TPD Composting Unit	NIL	5 TPD MRF Plant and 2.5 TPD Composting Unit D.O.C: 31/01/2022
MC, Doda	**10.00**	5	5	7.00 (through recyclers and Processing Facility)	Initiated for 5 TPD MRF Plant and 2.5 TPD Composting Unit	100%	5 TPD MRF Plant and 2.5 TPD Composting Unit D.O.C: 31/01/2022
MC, Bhaderwah	**5.00**	2.5	2.5	5.00 (through recyclers and Processing Facility)	Initiated for 5 TPD MRF Plant and 2.5 TPD Composting Unit	100%	5 TPD MRF Plant and 2.5 TPD Composting Unit D.O.C: 31/01/2022
MC, Thathri	**1.50**	2.25	2.25	0.30 (through recyclers)	Land identification currently in process	NIL	Land identification currently in process
MC, Udhampur	**23.00**	11.5	11.5	11.20	Initiated for 5 TPD	100%	5 TPD MRF Plant and 2.5

				(through recyclers and Processing Facility)	MRF Plant and 2.5 TPD Composting Unit		TPD Composting Unit D.O.C: 31/01/2022
MC, Ramnagar	**3.00**	1.5	1.5	0.60 (through recyclers)	Initiated for 3 TPD MRF Plant and 2 TPD Composting Unit	NIL	3 TPD MRF Plant and 2TPD Composting Unit D.O.C: 31/01/2022
MC, Chenani	**1.50**	0.75	0.75	0.30 (through recyclers)	Land identification currently in process	NIL	Land identification currently in process
MC, Kishtwar	**8.00**	4	4	1.60 (through recyclers)	Initiated for 5 TPD MRF Plant and 2.5 TPD Composting Unit	NIL	5 TPD MRF Plant and 2.5 TPD Composting Unit D.O.C: 31/01/2022
MC, Ramban	**3**	1.1	1.1	0.44 (through recyclers)	Initiated for 3 TPD MRFPlant and 2 TPD Composting Unit	NIL	3 TPD MRF Plant and 2 TPD Composting Unit D.O.C: 31/01/2022
MC, Banihal	**2.00**	1	1	0.40 (through recyclers)	Land identification currently in process	NIL	Land identification currently in process
MC, Batote	**2.50**	1	1	0.40 (through recyclers)	Initiated for 2 TPD MRF Plant and 1 TPD Composting Unit	NIL	2 TPD MRF Plant and 1 TPD Composting Unit D.O.C: 31/01/2022
TOTAL	**235**	**117.5**	**117.5**	**67**	**-**		