FST-Lit/14/2021-02-O/o Forest Deptt

Government of Jammu & Kashmir
Forest, Ecology & Environment Department
Civil Secretariat: Jammu/Srinagar
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/14/2021-02-18696 Dated: **28**.03.2023.

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 **February, 2023.**

Sir,

With reference to the subject captioned above, I am directed to forward a copy of Monthly Progress Report (as per revised format) in respect Union Territory of J&K, for the month of February, **2023** for favour of information and further necessary action.

Furthermore, the data in the Monthly Progress Report has been compiled after receiving inputs from Housing & Urban Development Department (Urban Local Bodies, Municipal Corporations and UEED), Industries & Commerce Department, Geology Department, Jal Shakti Department and J&K Pollution Control Committee.

Yours faithfully,

28/3/23

(Dr. Harpreet Kaur)
Special Secretary (Technical)

28/3

Encls: As above.

Copy along with enclosure to the:

1. Member Secretary, Central Pollution Control Board, New Delhi.

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)

For the Month of February-2023
Union Territory of Jammu and Kashmir

I	**Total Population** : Urban Population & Rural Population separately (***projected 2020***)	• Urban Population = **48.43** lac • Rural Population = **101.57** lac
II	**Estimated Sewage Generation** (MLD)	• Urban @ 108 lpcd= **523** MLD • Rural @ 44 lpcd= **447** MLD
III	**Details of Sewage Treatment Plants:** • Existing no. of STPs and Treatment Capacity in (MLD)	15 (139.38 MLD)
	• Capacity Utilization of existing STPs	88.18 MLD
	• MLD of sewage being treated through Alternate technology:	0.52 MLD
	• Gap in Treatment Capacity in MLD	383.62 MLD (Notional)
	• Sewage treated through in-situ technology (Septic tanks/Soakage Pits/FSTPs)	242.40 MLD
	• Gap actual	141.22 MLD
	• Project under construction	92.01 MLD
	• No. of Operational STPs	15
	• No. of Complying STPs	15
	• No. of Non-complying STPs	Nil
	Details of existing, under construction and proposed STPs given in **"Annexure-I(A), Annexure-I(B) andAnnexure-I(C)respectively.**	
IV	**Details of Industrial Pollution:-** • No. of Industries in the UT of J&K	a) Jammu = 4746 b) Kashmir = 5554 **Total = 10300**
	• No. of Water Polluting Industries in the UT of J&K	a) Jammu = 190 b) Kashmir = 97 **Total = 287**
	• Quantity of Effluent generated from the Industries in MLD	a) Jammu = 16.35 b) Kashmir = 5.7 **Total = 22.05*** * ***(Data of quantity of effluent generated from the industries is reconciled)***
	• Number of Industrial units having functional ETPs	a) Jammu = 186 b) Kashmir = 60 **Total = 246**
	• Compliance Status of the ETPs	**No. of industries operating without ETPs:**

		a) Jammu = 4 (notices issued) Kashmir = 37 (17- closure orders issued. (10- closure proceedings initiated (10- Notice issued) **Total = 41**
	• Number and total capacity of Existing CETPs	a) Jammu = 13 b) Kashmir = 12 **Total = 25**
	Status of compliance and operation of the CETPs	
	Industrial discharge	14 MLD
	Status of ETPs	Functional: 246 MLD Without ETP: 41 MLD

Status of CETPs

Existing	Under Construction	Proposed
6	**9**	**10**
a) Ghatti,Ph-I = **0.45** MLD b) IGC Samba, P-I = **1.0** MLD c) IGC Samba, P-II= **1.0** MLD d) IGC Samba, P-II= **0.5** MLD e) IGC Samba, P-III= **0.5** MLD	Jammu- 100 KLD	
	a) B.B. Ph-I = **3*0.5** MLD b) B.B. Ph-I = **1.5 MLD.** c) B.B. Ph-II = **1.5 MLD** d) M/S Sudhir Gensets, SIDCO, BB= 1.5 MLD	a) EPIP Kartholi **= 0.5 MLD**
IGC Lassipora Khanmoh, Srinagar **=0.6** MLD	A) SIDCO, IGC Lassipora (Pulwama) = 500 KLD (total capacity 1100 KLD) B) Ind. Estate Chatopora Handwara= 50 KLD	**a)** Electronic Complex, Rangreth**= 1 MLD** **b)** Food Park, Doabgah, Sopore, = **0.30 MLD** **c) Ind. Estate, Shalteng = 0.30 MLD** **d)** Ind Estate, Khonmuh, Ph-I = **0.50** MLD e) Ind. Estate, Khonmuh Ph-II = **0.50** MLD **f)** IGC, Pulwama, Location = **0.50** MLD **g)** IGC, Pulwama, Location 4 = **3**x**0.50** MLD

V-	**Solid Waste Management**	
	Total number of Urban and Local Bodies and their Population	**76** Urban Local Bodies and **02** Municipal Corporations. JMC = 729987 (2022) estimated SMC = 11.92 lacs as per 2011 census, as on date **15.50 lacs** approx

		ULBs Jammu = 460289 (36 ULBs) (2011 census) ULBs Kashmir = 835049 (40 ULBs)	
	• Current Municipal Solid Waste Generation	**Jammu MC: 374 TPD + 96 TPD Sanitation waste** **Srinagar MC: 520 MTPD** **ULBs- Jammu: 235 MTPD** **ULBs-Kashmir: 384 TPD**	
	• Number, installed capacity and utilization of existing MSW processing facilities in TPD bifurcated by type of processing e.g. i. Waste to Energy (Tonnage and Power Output), ii. Compost Plants (Windrow, Vermi, decentralized pit composting), iii. Biomethanation, 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)	Details given in **Annexure-III**	
	Total No. of wards,	1124	
	No. of wards having door to door collection	1124	Details given in **Annexure-IV**
	No. of wards practicing segregation at source	JMC=40%Overall SMC = 35% in all wards DULBJ=268 DULBK = 426	
	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.	Details given in **Annexure-VI**	
	No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	9 sites (8 in Kashmir, data on area awaited, 01 site of 32 acres in Jammu)	Details given in **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.	Details given in **Annexure –** V**III**
	Total MSW generation in TPD	**1513 TPD**	
	Total MSW being processed in TPD	**298.04 TPD**	
	Existing MSW facilities Utilization Capacity of the existing MSW facilities Proposed MSW Facilities & Completion Timeline		
VI	**Bio-medical Waste Management:-** Total Bio-medical generation **Covid-19 Bio-medical waste for the month of February-2023**	a) Jammu = **1404.5** Kg/day as per Annual Report 2021 b) Kashmir = **6259** Kg/day as per Annual Report 2021 **Total = 7663.5** Kg / day a) Jammu = **66.018** Kg/Month b) Kashmir = **22.00** Kg/Month **Total = 88.018 Kg/Month**	
	No. of Hospitals and Health Care Facilities	a) Jammu = **3840** b) Kashmir =**3526** **Total = 7366**	
	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)	
VII	**Hazardous Waste Management:** Total Hazardous Waste generation	a) Jammu = **1182.3434** MT / Annum. b) Kashmir = **170.00** MT/Annum. **Total = 1352.3434 MT/Annum**	
	No. of Industries generating Hazardous waste	Jammu = **231** Kashmir = **147** **Total = 378**	

	Treatment Capacity of all TSDFs	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.
VIII	**Plastic Waste Management:** Total Annual Plastic Waste generation in J&K	• **28985.23** MT/Annum (app.), with monthly average of **2415** MT (app.)
	Seizure done **(April 2022 to February-2023)**	a) Polythene = **30823.66** kg. b) SUP = **1604.85** kg. **Total** = **32428.51 kg.** ULB / Municipal Corporation-wise details are given as **Annexure – IX**
	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.
IX	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) Alluchi Bagh = **164** KLD iv) Achan = **130** KLD
X	**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 Devak Udhampur**	a) Un-treated sewage pollution from Municipal drains b) Unabated disposal of Municipal Solid Waste.	No. of drains = **13** i) Housing Colony ii) MH to Devika iii) MH Chowk iv) Shiva Nagar near SSP office v) Meat Market vi) Model School vii) Near BhartiVidyaMandir viii) RaghunathMandir ix) Chabbutra Bazar x) Opp. AryaSamajMandir xi) Opp. GeetaBhawan xii) Near Dak Bungalow xiii) Link Road to Devika	(**8.69 MLD**) 1.18 0.71 0.12 0.84 1.6 0.94 1.52 0.07 0.19 0.87 0.23 0.31 0.11
2.	**Banganga , Holy Stream, Katra**	a) Untreated Solid and Liquid waste disposal from pony sheds.	No. of drains = **7** From Balani Bridge to Geeta Mandir:-	**(3.5 MLD)**

		b) Un-treated sewage from nearby localities/establishments. c) Unabated disposal of Municipal Solid Waste. d) Sewage pollution from minor/major establishments.	i)Nallah 1 ii)Nallah 2 iii) Nallah 3 iv) Nallah 4 v) Nallah 5 vi) Nallah 6 vii) Nallah 7	0.268 0.361 0.179 0.277 0.722 1.256 0.437
3.	**River Tawi , 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.	No. of drains = **26** **RHS (D/S Tawi)** i)DoonthlyNallah ii) JullahaMohalla iii) Peerkho 1 iv) Peerkho main v) Gujjar Nagar 7 vi)Gujjar Nagar 6 vii)Gujjar Nagar 5 viii)Gujjar Nagar 4 ix)Gujjar Nagar 3 x)Gujjar Nagar 2 xi)Gujjar Nagar 1 xii)Gujjar Nagar main xiii)Jogi Gate xiv)Prem Nagar xv)Christian Colony Nallah xvi)Qasim Nagar xvii)RehariNallah xviii)Krishna Nagar Nallah xix)Rajinder Nagar xx)Bhagwati Nagar **LHS (D/S Tawi)** i)Gorkha Nagar ii)Rajiv Nagar iii)University Campus Nallah iv)Refugee Basti v) BikramChowk vi)Ware house	**(66.36MLD)** RHS (D/S Tawi) 1.10 2.62 0.03 10.73 0.13 0.14 0.10 0.10 0.07 0.10 0.08 0.69 11.32 11.83 6.71 0.15 4.71 5.48 1.475 1.76 LHS (D/S Tawi) 2.30 0.25 0.39 0.03 0.07 1.00
4.	**River Basanter, Samba**	a) Disposal of 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.	No. of drains = **2** i)MandiFlouraNallah ii) Argi Nallah	**(3.5 MLD)** 2.5 1.0
5.	**River Chenab 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.	No. of drains = **3** i)Baba JittoNallah ii)Near Gurdwara iii)W. No. 10 Nallah	**(3.0 MLD)** 0.918 1.325 0.758
6.	**River Chuntkol (A tributary of Jhelum)**	a) Discharge of untreated sewage into the river. b) Dumping of Solid Waste.	No. of dewatering pumps = **07**	**(5 MLD)** –
7.	**River Gawkadal (A tributary of Jhelum)**	a) Discharge of un-treated Sewage into the river. b) Dumping of Solid Waste.	A part of polluted river stretch of river Jehlum (Anantnag to Chhatabal)	**(3.0 MLD)** –
8.	**River Jhelum at Srinagar (Anantnag to Chhatabal Weir)**	a) Discharge of un-treated Sewage into the river. b) Dumping of Solid Waste.	No. of drains = **62** + No. of Dewatering pumps = **14**	(**111.4 MLD**) –
9.	**River Sindh at Ganderbal ,Srinagar**	a) Discharge of un-treated sewage. b) Un-authorised dumping of Municipal Solid Waste.	No. of drains = **13**	**(7.6 MLD)** –

		Details from H&UDD are given as **Annexure-X**
XI	Details of Nodal Officer appointed by Chief Secretary in the State/UT:	N/A
XII	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:	**N/A**
XIII	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** **No. of Polluted River Stretches in Jammu = 05** **No. of Polluted River Stretches in Srinagar = 04** i. 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). ii. 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.

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

No. of Polluted River Stretches in Jammu = 05

No. of Polluted River Stretches in Srinagar = 04

Water Quality Status of Polluted Rivers (09) during the month of February-2023

# No	Polluted River Stretch	Water Quality Analysis, February-2023	Ground Water Quality in the catch-ment area

1 — River Devak Udhampur

NWMP Monitoring Sites with Sanctioned Station Code	BOD (mg/l) <2.0 (mg/l)	COD -	pH (6.5-8.5)	DO >5.0 (mg/l)	Coliformcount after 24 Hrs. (CFU/100ml (500)
a) Near Shiv Mandir, Udhampur(Stncode2754)	3.3	17.8	8.20	4.6	1000
b) About 2Km (D/S) Shiv Mandir (Stn.code 4062)	1.2	7.0	8.00	7.1	1300
c) About 10Km (D/S) Shiv Mandir (Stn.code:4063)	1.1	5.8	7.86	7.1	1100

Ground Water Quality in the catch-ment area: **NA**

	2	Banganga , Holy Stream, Katra		NA

NWMP Monitoring Sites	BOD <2.0 (mg/l)	COD -	pH (6.5-8.5)	DO >5.0 (mg/l)	Coliform count after 24 hrs. (CFU/100ml (500)
a) Bathing Ghat Katra (Stn. code 2755)	1.4	9.0	8.45	5.1	1500
b) In front of pony shed (Stn.code2756)	2.4	13.1	8.20	4.0	1400

3	River Tawi , Jammu			NA

NWMP Monitoring Sites / Station Code	BOD <2.0 (mg/l)	COD -	pH (6.5-8.5)	DO >5.0 (mg/l)	Coliforms count after 24 24hrs. (CFU/100ml) (500)
i) Below Tawi Bridge-2744	3.7	20	7.32	4.1	1000
ii) Bhagwati Nagar-2745	-	-	-	-	-
iii) Beli Charana-2746,	<1.0	2.8	7.92	6.6	900
iv) Surajpur-2747	<1.0	3.0	8.10	6.7	1000
v) Bhagwatinagar ,1 Km,D/S belowSTP discharge point at Bhagwati Ngr-4055	-	-	-	-	-

4	River Basanter, Samba			NA

NWMP Monitoring Site / Sanctioned Station Code	BOD <2.0 (mg/l)	COD	pH (6.5-8.5)	DO >5.0 (mg/l)	Coliform count after 24 hr (CFU/100ml) (500)
a) Chak Manga Gujjar samba (2753)	3.2	18.0	7.96	3.7	1100

5	River Chenab at Akhnoor			NA

NWMP Monitoring Sites / Sanctioned Station Code	BOD <2.0 (mg/l)	COD -	pH (6.5-8.5)	DO >5.0 (mg/l)	Coliform count after 24 hrs. (CFU/100ml) (500)
a)At Jio-PotaMandir (2751	1.1	4.5	8.00	7.2	700

6	River Chuntkol (A tributary of Jhelum			NA

NWMP Monitoring Sites/ Station Code	BOD <2.0 (mg/l)	COD -	pH (6.5-8.5)	DO >5.0 (mg/l)	Coliform count after 24 hrs. (CFU/100ml) (500)
a) NWMP sanctioned location(1307)	8.2	69.1	7.62	5.3	7600

7	River Gowkadal (A tributary of Jhelum)			NA

NWMP sanctioned site	BOD <2.0 (mg/l)	COD -	pH (6.5-8.5)	DO >5.0 (mg/l	Coliformcount after 24 hrs. (CFU/100ml) 500
Gowkadal ,Station Code (1306)	4.0	34.6	7.63	7.7	3400

	8	**River Jhelum at Srinagar (Anantnag to Chhatabal Weir)**		**NA**

NWMP/PCB Monitoring Sites with Sanctioned Station Code at:-	**BOD <2.0 (mg/l)**	**COD**	**pH (6.5-8.5)**	**DO >5.0 (mg/l**	**Coliform count after 24 hrs. (CFU/100ml) (500)**
i) Anantnag (1304)	3.3	33.6	7.77	8.6	2200
.ii) Batingon, **(PCB Site)**	3.0	28.0	7.72	7.6	1600
iii) Bijbehhara(4053)	2.6	20.5	7.75	6.6	1200
iv)Sangam U/S **(PCB Site)**	2.8	22.4	7.71	8.4	1000
v) SangamD/S, **(3273)**	3.2	37.4	7.65	8.0	850
vi) Awantipora (3274)	3.1	24.3	7.76	8.4	600
vii) Pampore (3275)	3.3	26.2	7.60	8.0	550
viii) Panthachowk (4054)	3.2	33.6	7.69	8.8	750
ix) Pandarathan **(PCB Site)**	3.6	37.0	7.75	8.0	950
x) Zero Bridge(1410)	3.9	32.7	7.49	7.7	1771
xi) Chattabal Weir (1411)	3.8	40.0	7.67	7.6	2514

	9	**River Sindh at Ganderbal ,Srinagar**		**NA**

NWMP monitoring sites	**BOD <2.0 (mg/l)**	**COD**	**pH (6.5-8.5)**	**DO >5.0 (mg/**	**Coliform count after 24 hrs. (CFU/100ml) (500)**
a)Dodherhama, Station Code (3286)	2.5	22.0	8.10	8.0	-

XIV	Ground water regulation	The Regulation of ground water is mandated to 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 has the power to bar or cancel exploitation, if it feels that ground water replenishment of the aquifers does not commensurate with the exploitation.
XV	Good irrigation practices being adopted by the State	Following practices are adopted: • Controlling and channelizing the canals and collecting the surface run-off water. • Ensuring adequate supplies at tail end of the distribution system. • Minimizing the closure period of canals to the bare minimum from time to time and to minimize carriage losses.
XVI	Rain Water Harvesting	For conservation of rain water and its utilization, construction of storage tanks has been undertaken. These Storage tanks also store rain water besides tapping the runoff from the streams for subsequent of augmenting the existing irrigation facilities in the area. 170 No. storage tanks already constructed in Kupwara/Handwara and Budgam. 02 Storage tanks with capacity of 25.5 Ha Mt completed during 2020-21.

		Moreover, 10 and 33 water storage schemes are under execution at present in Kashmir region under PMKSY and Languishing Programme. It is pertinent to mention that Hon'ble Prime Minister of India has launched Jal Shakti Abhiyan under the tag "Catch the Rain" (CTR) Campaign on World Water Day celebrated on 22nd of March, 2021 whereunder various activities are being carried out to conserve rain water across the country. In the UT of J&K also various activities are under way. 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.
XVII	Demarcation of Flood plain and removal of illegal encroachments	The Water Resource Regulatory Authority is in a process of notification of low lying areas or areas susceptible to floods by inundation, as flood basin under Section 75 and section 76 of Water Resource Management and Regulation Act. The draft proposal has been forwarded to Water Regulatory Authority (WRRA) for notification of flood plains, and regarding the status/details in respect 7 No water bodies/low lying areas namely Hockersar Lake, Nowgam Lake, Hygham Lake, Narkara Numbal, Anchar Lake, Wullar Lake and Left side of River Jehlum from Sangam to Padshaibagh with important land marks along with latitude and longitude forming the boundaries of flood plain and classification of land, the matter stands taken up with Divisional Commissioner Kashmir. Besides under World Bank funded PMU Jammu Tawi Flood Recovery Project (JTFRP) the verification of flood plains is being studied through international consultancy M/S Eptisa Ltd. A preliminary study in this matter has been carried out, however due to the use of coarse resolution of the DEM (Digital Elevation Model) at present, the same is being fine-tuned by them. This study will confirm the flood plains as well as inundation depths. Removal of encroachments is a continuous process and on the direction of Hon'ble High Court in the PIL titled Noorul-Haq V/s State of J&K, the Department with an active support of District Administration is removing the encroachments on the banks of River Jhelum and other water bodies after proper demarcation and identification by Revenue Authorities. As on date the department has removed **2540 Kaccha and Pacca** structures

<table>
<tr><td></td><td></td><td>1871 Boundary walls from River Jhelum and other water bodies.</td></tr>
<tr><td>XVIII</td><td>Maintaining minimum e-flow of river</td><td>There are no storage reservoirs on the River Jhelum, 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.

I&FC Department Jammu is taking consultation of Central Water Commission to regulate minimum e-flow wherever storage schemes on rivers are planned in Jammu Province.</td></tr>
<tr><td>XIX</td><td colspan="2">Plantation activities along the rivers:-
<table>
<tr><th>S.No</th><th>Polluted River Stretch</th><th>Area under treatment</th><th>Plantation done</th></tr>
<tr><td>1)</td><td>River Devak Udhampur</td><td>100 hectare</td><td>Catchment Area Treatment approved under CAMPA, plantation to be taken up during the current year, soil conservation works completed</td></tr>
<tr><td>2)</td><td>Banganga , Holy Stream, Katra</td><td>100 hectare</td><td>Catchment Area treated with afforestation and soil conservation works in 100 hectares of area under CAMPA</td></tr>
<tr><td>3)</td><td>River Tawi , Jammu</td><td>200 hectare</td><td>Catchment Area Treatment done by plantation of 0.34 lac trees treating 200 hectare for the Polluted River Stretch.</td></tr>
<tr><td>4)</td><td>River Basanter, Samba</td><td>100 hectare</td><td>Catchment Area Treatment done by plantation of 0.032 lac trees and soil conservation works for the Polluted River Stretch</td></tr>
<tr><td>5)</td><td>River Chenab at Akhnoor</td><td>200 hectare</td><td>Catchment Area Treatment done by plantation of 0.40 lac trees treating 200 hectare with soil conservation works for the Polluted River Stretch</td></tr>
<tr><td>6)</td><td>River Chuntkol (A tributary of Jhelum)</td><td>A part of river Jehlum Catchment Area Treatment proposal</td><td>Catchment Area Treatment approved under CAMPA, shall be taken up during the current year</td></tr>
<tr><td>7)</td><td>River Gawkadal (A tributary of Jhelum)</td><td>A part of river Jehlum Catchment Area Treatment proposal</td><td>Catchment Area Treatment approved under CAMPA, shall be taken up during the current year</td></tr>
<tr><td>8)</td><td>River Jhelum at Srinagar (Anantnag to Chhatabal Weir)</td><td>300 hectare</td><td>Catchment Area Treatment done by plantation, treating 15 hectare area for the Polluted River Stretch, along with soil conservation works.</td></tr>
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	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

XX	Development of Biodiversity Park	JDA has developed a Park in 5.6 ha. at the Bank of River Tawi area of polluted river stretch recently.
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.

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

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
River Devika, Udhampur	(i)	Zone 1-8.0MLD Zone-2-4.0MLD Zone-3-1.6MLDTotal =(13.6MLD)	i)Project Cost 186.74 Cr approved under NRCP on 28-09-2018. ii)Work allotted Date of start for STP and Network work =May 2019. iii) Work allotted Date of start for Ghat work =June 2019. iv)Date of completion For STP and Network work(original)=May 2021. v) Date of completion For Ghat work (original)=June 2020.	(i)For STP and Sewerage Network work =September 2022 (ii) Ghat Work =completed	Sewer laying and STPs of Zone-I, II & III along with IPS are in progress. Project targeted for completion ending 12/2022.

	Bangang a, Holy Stream, Katra	(ii)	STPs =4.5MLD =1.20 MLD Total=(5.7M LD)	DPR amounting Rs.95.69Crs presently with NRCD after having been received from IIT (Roorkee) post clarification of comments/observation s.	2 years after section of the project.	DPR amounting Rs.95.69Crs presently with NRCD after having been received from IIT (Roorkee) post clarification of comments /observations. UT share of Rs. 9.569 Cr. Provisioned in current years works programme for land acquisition and enabling works. Tenders for engagement of a PMC invited and shall be finalized upon accord of financial concurrence to the project.
	River Tawi, Jammu	(iii)	STP=10M LD	DPR amounting Rs.43.87 Cr submitted to **NRCD** for consideration/releas e 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.43.87 Cr submitted to **NRCD** for consideration/rele ase of funds vide letter no. HUD /Plan/16/2019/SP Dated:11.12.2020.
	<u>Jhelum</u> **River**		STP AnantnagTow n (Phase-2nd/ 3rd) on SBR Technology=2 1.30 MLD **(AMRUT 2.0)**	DPR Vetted by DCW and Submitted to Govt for accord of A.A. However, Anantnag Town (Phase-2nd/ 3rd) proposed for funding under AMRUT 2.0	3 years after sanction of the project.	
			BijbeheraTow n=3.0MLD Awantipora=1. 6MLD. Pampore=2.7 MLD			**Projects proposed under UT Capex 2022-23**

XXIII	Status of Preparation of Action Plan by the 13 Coastal State	**Does not pertain to J&K**.
XXIV	Regulation of Mining Activities in the State/UT	The Geology & Mining Department, J&K is implementing the Enforcement and Monitoring Guidelines for regulating mining activities in J&K, UT consistently and the following steps have been/are being taken such as: 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&X, UT. Out of 384, 376 have been issued in respect of minor mineral blocks to various Project Proponents. Out of 376 issued by this department, 363 Mining Plans have been approved by the Competent Authority. Till date 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. 2. District Survey Reports in respect of all the Districts stands prepared in J&K, UT. 3. A Replenishment studies for updating of District Survey Report has been taken up in various rivers/nallahs of J&K, UT. 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. 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. 6. Environmental Audit condition as per the Hon'ble NGT directions has been incorporated in the Mining Lease Deed. 7. District Level Task Force Cell has been constituted vide Govt. 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. 8. 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 Nark 9. 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. 10. Wherever the guidelines are violated, the action under section 21(4) and (5) is taken against the violators during the year 2020-21, the Department has seized 3049 vehicles on account of violating norms and charged penalty

		amount of Rs 6,10,82,140.00/- during the period.
XXV	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring	**The JK PCC has imposed Environmental Compensation (EC) under Polluter Pays Principle (PPP) to the following:-**

S. 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	**Executive Officer, MC Sopore**	Rs.1,30,46,000/-	36 PCB of 2020, Date: 24/11/2020
4	**Executive Officer Municipal Committee Bandipora**	Rs. 64,21,000/-	45 PCB of 2021, Date: 09/02/2021
5	**Executive Officer, Municipal Council Kathua**	Rs. 82,40,000/-	17-PCC of 2021 dt. 03.12.2021
6	**Executive Officer, Municipal Council Rajouri**	Rs. 61,80,000/-	19-PCC of 2022 dt. 17.01.2022
7	**Chief Executive Officer Municipal Committee Katra Reasi**	1,06,08,000/-	22-PCC of 2022 dated 09.01.2022
8	**Hotel Meridian, Panthal Road, Katra**	Rs. 56,142/-	34 PCB of 2020, Date: 02/11/2020
9	**SMGS Hospital,Jammu**	Rs.18,28,000/-	37 PCB of 2020, Date: 29/12/2020
10	**Hotel Maharaja, Patnitop, Udhampur**	Rs. 52,660/-	38 PCB of 2020, Date: 30/12/2020
11	**M/s Attar Logistics, Transport Nagar, Jammu**	Rs. 25,000/-	39 PCB of 2021, Date: 06/01/2021
12	**Hotel Patnitop, Chenani, Udhampur**	Rs. 46,800/-	40 PCB of 2021, Date: 12/01/2021
13	**Hotel Kings, Banganga, Katra**	Rs.33,436/-	42 PCB of 2021, Date: 21/01/2021
14	**Hotel Krishna Plaza, Rajinder Bazar, Jammu**	Rs.4, 524/-	43 PCB of 2021, Date: 05/02/2021
15	**M/s Hotel holy Shrine Dak Banglow, Road Katra, Reasi**	Rs. 2,873/-	46 PCB of 2021, Date: 15/02/2021
16	**M/s ASCOMS Hospital Sidhara, Jammu**	Rs.1,37,34,800/-	47 PCB of 2021, Date: 15/02/2021
17	**M/s Hotel Montreal Shalimar Srinagar**	Rs. 9,660/-	Amount deposited dt. 22.02.2021
18	**M/s Hotel Maa Balganga Road, Katra**	Rs. 9,476/-	48 JK PCB of 2021, Date: 10/03/2021
19	**M/s National Highway Authority**	i. Rs. 2,00,00,000/- ii. Rs. 0.58 Cr.	i. 50 JK PCB of 2021, dt: 24/03/2021. ii. 09 JK PCC of 2021 dt. 08/09/2021
20	**M/s Hotel BaisaranPahalgam, Anantnag**	Rs. 6,855/-	51 JK PCB of 2021, Date: 29/03/2021
21	**M/s Gammon Engineeering and Contractors Pvt. Ltd. (Mobile Stone Crusher) at Dhalwas, Ramban**	Rs. 1,08,000/-	03-PCC of 2021 dt. 30.07.2021
22	**M/s Choudhary Jagar Singh Contractions Pvt. Ltd. (Stone Crusher) Village Famrote, SangaldanBarala Road, Gool Ramban**	Rs. 2,60,400/-	04-PCC of 2021 dt. 30.07.2021
23	**M/s TRG Industries Pvt. Ltd. Stone Crusher, JowahriHadog-Sumber Road**	Rs. 1,54,000/-	05-PCC of 2021 dt. 30.07.2021
24	**M/s TRG Industries Pvt. Ltd. Hot Mix Plant, JowahriHadog-Sumber Road**	Rs. 1,54,000/-	06-PCC of 2021 dt. 30.07.2021
25	**M/s Milith Karv Engg, & Trading Pvt. Ltd. (Stone Crusher)** .Dhandrath, Sildhar, Ramban	Rs. 2,60,400/-	07-PCC of 2021 dt. 30.07.2021
26	**M/s MilithKarvEngg, & Trading Pvt. Ltd. (Hot mix Plant)** Dhandrath, Sildhar, Ramban.	Rs. 2,60,400/-	08-PCC of 2021 dt. 30.07.2021
27	**M/s New Natraj Hotel, Bus WtandKatra, Distt. Reasi**	Rs. 9,612/-	10-PCC of 2021 dt. 03.12.2021
28	**M/s Hotel Krishna bus stand Katra, District Reasi**	Rs. 9,842/-	11-PCC of 2021 dt. 03.12.2021
29	**M/s Anil guest House Ward No. Tea Garden Katra, Distt. Reasi**	Rs. 2,19,348/-	12-PCC of 2021 dt. 03.12.2021
30	**M/s National Guest house, Katradistt. Reasi**	Rs. 10,137/-	13-PCC of 2021 dt. 03.12.2021
31.	**M/s Hotel Shree Hari Niwas Katra Distt, Reasi**	Rs. 11,639/-	14-PCC of 2021 dt. 03.12.2021
32	**M/s Hotel Pream International Katra Distt. Reasi**	Rs. 11,232/-	15-PCC of 2021 dt. 03.12.2021
33	**M/s Buther construction Stone Crusher, RakshalinaLasjan Budgam**	Rs. 19,200/-	16-PCC of 2021 dt. 03.12.2021
34	**M/s SimmSamm Hotel, Reasi Distt. Katra**	Rs. 15,150/-	18-PCC of 2021 dt. 03.12.2021
35	**M/S 52 RCC GREF Manwal, Jammu**	Rs. 35,000/-	20-PCC of 2022 dated 20.01.2022

36.	**M/S Shanker Stone Crusher**	Rs. 1,71,000/-	23-PCC of 2022 dated 09.01.2022
37.	**M/S Diamond Stone Crusher VPO Saranoo Rajouri**	Rs. 1,71,000/-	23-PCC of 2022 dated 09.01.2022
38.	**M/S Zeeshan Brick Kiln Nowbugh Chadoora Budgam**	Rs. 17,550/-	31-PCC of 2022 dated 19.03.2022
39.	**M/S Sultan Ul-Arfeen Brick Kiln Nowbugh Chadoora Budgam**	Rs. 11,700/-	32-PCC of 2022 dated 14.03.2022
40.	**M/S Green Stone Crushedr Summerbugh Lasjan Budgam**	Rs. 6,400/-	33-PCC of 2022 dated 14.03.2022
41.	**M/S AFCONs Infrastructure Ltd. Pakal Dul Hydro Electric Project, Dul Dam Site Colony, VPO & Tehsil Dul District Kishtwar J&K**	Rs. 1,00,000/-	Vide letter dated 14.03.2022 communicated to the concerned.
42.	**M/S Larsen & Toubro (L&T) Construction, Pakal Dul Hydro Electric Project, VPO Dool, Post Office Dool, Tehsil & District Kishtwar**	Rs. 1,00,000/-	Vide letter dated 14.03.2022 communicated to the concerned.
43	**M/s Maharishi Dayanand Hospital and Medical Research Cement, B.C. Road, Jammu**	Rs. 7,12,000/-	01 JK PCC of 2022 dt. 27.07.2022
44	**M/s Choudhary nursing Home , Akhnoor Road, Jammu**	Rs. 1,79,400/-	02 JK PCC of 2022 dt. 27.07.2022
45.	**M/S Choudhary Hospital GREF Road, Jammu**	Rs. 7,31,025/-	03-JKPCC of 2022 dated 25.10.2022
46.	**M/S Nedw Sham Guest House Jammu road Katra-District Reasi**	Rs. 4,08,116/-	04-JKPCC of 2022 dated 23.11.2022
47.	**M/S Nephro Care B.C. Road, Jammu**	Rs. 3,55,100/-	05-JKPCC of 2022 dated 07.02.2023
48.	**Executive Officer, Municipal Council, Poonch**	Rs. 81,000/-	06-JKPCC of 2023 dated 22.02.2023

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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	13+7=20	Operational	Polluted River Stretches (PRS)
2		27	07	Operational	PRS
3		10	Nil	Operational under trial run.	PRS (Refurbishment of 10 MLD STP Completed).
	Total	**67**	**27**		**Above 3Nos. STP's are at One Place at Bhagwati Nagar Jammu with Common Collection Facility**
4	Jagti, Distt. Jammu	4	2	Operational	Other than PRS (with Relief &Rehabilitation Deptt.)
5	Katra, Bhawan, Distt. Reasi. (SMVDSB)	3.2	1.60	Operational	Under Control of Shri MataVaishno Devi Shrine Board.
6	Katra Adhkwari (SMVDSB)	0.4	0.20	Operational	Under Control of Shri Mata Vaishno Devi Shrine Board.
	Total(In Jammu)	**74.60 MLD**	**30.80**		

i) In Kashmir

No.	Location	Existing STP Capacity (MLD)	Capacity being utilized (MLD)	Operational status of STP	Remarks
1	Mehndi-Kadal, Distt.Anantnag	4.0	2.0	Operational	Pollution River Stretches(PRS)
2	Hazratbal, Distt. Srinagar	7.5	7.5	Operational	Other than PRS
3	Habak, Distt. Srinagar	3.2	3.2	Operational	Other than PRS

4	NishatLaam, Distt. Srinagar	4.5	4.5	Operational	Other than PRS
5	Brari-Numbal (Old), Distt. Srinagar	17.08	17.08	Operational	Other than PRS
6	Brari-Numbal (New), Distt. Srinagar	16.1	13.1	Operational	Under the Control of J&K LAWDA, Srinagar.
7	Nallah Amir Khan, Distt. Srinagar	5.4	4.0	Operational	Under the Control of J&K LAWDA,Srinagar.
8	Badami-BaghCantt, Distt. Srinagar	5.0	5.0	Operational	Assumed Fully operational, Restricted area Access denied
9	Pahalgam, Distt. Anantnag	2.0	1.0	Operational	Under the Control of Tourism Department, J&K, Srinagar.
	Total(In Kashmir)	**64.78**	**57.38**		
	Total (In J&K)	**139.38**	**88.18**		

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 (a)	Belicharana Distt.Jammu	4	100%	**House sewer connections (In Nos.)** Target=4929	Completed	i. STP 100% completed. ii. House connections approved under UT Capex. Work put to tenders.
(b)	Sewerage Network & IPSs		a.Trunk Sewer= 96 .86% b.Lateral= 85.67 % c.IPS= 03 in Progress (Civil work 98.00% completed) and (Electromechanical =90.00%)		03/2023	DPR Revised due to change of alignment for Trunk due to proposed development of Tawi Water Front Laying of Sewerage Network in progress Trunk Sewer 5.25 Km out of 5.42 Km laid. i) Lateral = 31.40 Km out of 36.65 Km completed proposed. ii) 3 No. IPS work in progress.
In Udhampur District						
2	Baryal, Distt. Udhampur	8	**Civil work 82.00 % E/M=20%** .	**House sewer connections (In Nos.)** Target=13460 Achieved=Nil	03/2023	**Sewer Network= 106.01 KM. completed.** **Machine Holes:** 2262 out of 2900 completed. **IC Chambers:** 5641 out of 10000 completed.

3	Omara, Distt. Udhampur	4	**Civil work 93.70 % E/M=94. 00%**	**House sewer connections (In Nos.)** Target=6632 Achieved=Nil	03/2023	
4	Pitan, Distt. Udhampur	1.6	**Civil work 99.60 % E/M=94. 00%**	**House sewer connections (In Nos.)** Target=2724 Achieved=Nil	03/2023	
5	Patnitop, Distt. Udhampur	1.2	100%	**House sewer connections for Hotels/Huts/Houses. (In Nos.)** Target=130 Achieved=125	Under O&M.	Other than PRS (With Patnitop Development Authority) STP 100% completed
iii)	**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	84%	**House sewer connections (In Nos.)** Target=16139 Achieved=8249	12/2022.	Other than PRS Under NBCC

2	Rajbagh, Srinagar	2.21	95%	Nil	3/2023	(Work was stopped by revenue Deptt & it was resumed in 1st week of October-2021) Other than PRS
3	Tengpora, Srinagar	6.0	95% (civil works)	Nil	3/2023	Other than PRS
4	Charar-i-Sharief, Kashmir	2.0	12% (civil works)	**House sewer connections (In Nos.)** Target=3300 Achieved=Nil	3/2023	Other than PRS (LUP Code 1309)
5	Baramulla	3.0	SBR Tank= 70% Other = 30%	**House sewer connections (In Nos.)** Target=5550 Achieved=Nil	03/2023	Other than PRS (LUP Code 1300)

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	Peerkho Jammu (For I&D of right bank 13 nos. Nallahs Polluting Tawi) (AMRUT 2.0)	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&retained by them vide their office No: J-24023/3/19-NRCD-II dt: 15-01-2021 for consideration	2 years after sanction of Project	Administrative Approval / Financial concurrence from NRCD still awaited. However, proposed under AMRUT 2.0 for full funding.
2	Katra Town	4.5	DPR amounting Rs.95.69Crs presently with NRCD after having been received from IIT (Roorkee) post clarification of comments/observations and active consideration for funding.	2025-26	Administrative approval/ Financial concurrence from GOI is still awaited. However, Rs.9.569 Cr. provisioned under this years Capex Budget for land acquisition and other enabling works.
3	Katra Town	1.3			
4	Samba Town	3.5	DPR amounting Rs.70.60 Cr 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 program of Government2020& communicated by them vide their office No: J-24023/3/19-NRCD-II dt: 15-01-2021	2024-25	PRS Basantar (Project Approved under State Capex)
5	Akhnoor Town	5.0	DPR amounting Rs.123.21 Cr 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 program of Government& communicated by them vide their office No: J-24023/3/19-NRCD-II dt: 15-01-2021	2024-25	PRS Chenab (Project Approved under State Capex)

6	Kathua Town	19.1	DPR amounting Rs.265.23 Cr 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 program of Government.	2024-25	Other than PRS (Project Approved under State Capex)
7	Hiranagar Town	2.5+1.5=4	96Cr(approx.)Proposed SBR Technology	2 years after sanction of Project	Other than PRS Septage Treatment Capacity = 40 KLD Cost= 422.35 lacs
8	Vijaypur Town	3+4=7	145 Cr(approx.) Proposed SBR Technology	2 years after sanction of Project	Other than PRS Septage Treatment Capacity = 40 KLD Cost =422.35 lacs
9	Bari Brahmana Town	2.5+3.5=6	135 Cr(approx.) Proposed SBR Technology	2 years after sanction of Project	Other than PRS Septage Treatment Capacity = 80 KLD Cost =543.31 lacs
10	Arnia Town	2.5+1.5=4	94 Cr(approx.) Proposed SBR Technology	2 years after sanction of Project	Other than PRS Septage Treatment Capacity = 40 KLD Cost =422.35 lacs
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 Septage Treatment Capacity = 45 KLD Cost =472.51 lacs
12a	Bishnah Town	2+2.5=4.5	98 Cr(approx.) Proposed SBR Technology	2 years after sanction of Project	Other than PRS Septage Treatment Capacity = 40 KLD Cost =422.35 lacs
12b	Basoli Town			1years after sanction of Project	Septage Treatment Capacity = 10KLD Cost =422.35 lacs
13	ChuntKol, Srinagar	5	DPR duly vetted by the DCW for Rs.40.44 Cr. is 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:11.12.20202020&	2 years after sanction of project	PRS Jehlum (AA from UT Administrative council awaited)

			retained by them vide their office No: J-24023/3/19-NRCD-II dt: 15-01-2021 for consideration		
14	Gawkadal, Srinagar	3	DPR duly vetted by the DCW for Rs.26.22 Cr.is 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:11.12.20202020& retained by them vide their office No: J-24023/3/19-NRCD-II dt: 15-01-2021 for consideration	2 years after sanction of project	PRS Jehlum (AA from UT Administrative council awaited)
15	Anantnag Sewerage Scheme(Phase-2nd/3rd) on SBR Technology. Proposed under AMRUT 2.0.	21.30	DPRs Vetted by DCW and Submitted to Govt for accord of Administrative Approval. However, Anantnag Sewerage Scheme (Phase-2nd/3rd) included for funding under AMRUT 2.0	3 years after sanction of project	PRS Jehlum (AA from UT Administrative council awaited)
16	Bijbehara, Town	3.0			PRS Jehlum (AA from UT Administrative council awaited)
17	Awantipora	1.6			PRS Jehlum (AA from UT Administrative council awaited)
18	Pampore	2.7			PRS Jehlum (AA from UT Administrative council awaited)
19	Ganderbal	8.0		2 years after sanction of project	PRS Sindh (AA from UT Administrative council awaited)
20	Sonamarg	1.2	DPR approved, allotment finalized, Design approval in process.	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.

Annexure-II

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

- **Jammu Municipal Corporation**

S. No.	MSW Processing Facilities	Installed Capacity (TPD)	Utilization of existing MSW Processing facilities (TPD)
1	MRF 1 (in Bandhu rakh and operated by UNDP)	05 TPD	05 TPD
2	MRF 2 (In Bhagwati Nagar and operated by IPCA)	05 TPD	05 TPD
3	Composting / Bio Gas (Dogra Hall)	50 TPD	40 TPD

Srinagar Municipal Corporation

i) Vide Government Order No. 255-HUD of 2017 dated 22/11/2017, the Commissioner, Srinagar Municipal Corporation has issued Letter of Intent (LOI) in favour of (sole) bidder namely, M/S. Highland Automobiles Pvt Ltd. (in consortium with Key Stone Energy System LLP & Astrix Infra Pvt Ltd.), now an SPV namely, Syntech Bio-energy Pvt. Ltd., for establishment of 5MW capacity Waste-to-Energy Plant (disposal of 500±125 TPD) at landfill site Achan subject to certain terms and conditions including that the rates/tariff on which power shall be purchased will have to be adopted by the J&K State Electricity Regulatory Commission before signing the Power Purchase Agreement in terms of J&K Electricity Act, 2010. The SMC has issued with all necessary documents required by the Project Proponent to approach the JERC for

adoption of discovered tariff and subsequently the Power Purchase Agreement (PPA) shall be signed by the concerned stakeholders who include Housing & Urban Development Department, J&K Power Development Department & the Project Proponent. The signing of PPA and adoption of tariff by the JERC is being pursued.

ii) As on date, approximate 520 TPD waste is being dumped at the Achan Site. Out of 520 TPD waste, 130 TPD waste is processed.

iii) 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 **859.210** MTs of plastic waste etc. at MRF up to Feb. 2023.

Urban Local Bodies, Jammu

<table>
<tr><td>Waste to Energy (Tonnage and Power Output)</td><td>NIL</td></tr>
<tr><td>Compost plants (Windrow, Vermi, decentralized pit composting),</td><td>
<table>
<tr><th>ULB Name</th><th>Technology</th><th>Capacity in TPD</th><th>Utilization in TPD</th></tr>
<tr><td>MC Doda</td><td>Vermi Composting</td><td>5</td><td>5</td></tr>
<tr><td>MC Bhaderwah</td><td>Vermi Composting</td><td>3</td><td>3</td></tr>
<tr><td>MC Sunderbani</td><td>Vermi Composting</td><td>1.5</td><td>1.5</td></tr>
<tr><td>MC Katra</td><td>OWC (Mechanized Composting</td><td>200KG/Day</td><td>200KG/Day</td></tr>
</table>
Note:- (6) Six tonnes of Wet Waste of Katra Municipal Body goes to Animal Feeding(Goushala).
The plan for under construction and proposed processing facilities is provided in the next section</td></tr>
<tr><td>Bio methanation</td><td>NIL</td></tr>
<tr><td>MRF
(Material Recycle Facilities)</td><td>
<table>
<tr><th>ULB Name</th><th>Technology</th><th>Capacity in TPD</th><th>Utilization in TPD</th></tr>
<tr><td>MC Katra</td><td>Semi-Automatic</td><td>5</td><td>5</td></tr>
</table>
</td></tr>
</table>

	MRF		
MC Rajouri	Semi-Automatic MRF	4.5	1
MC Rajouri	Semi-Automatic MRF	4.5	1

However, Ragpickers 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 facilities are provided in the next section.

4. Urban Local Bodies, Kashmir

Waste to Energy (Tonnage and Power Output),	**NIL**
Compost Plants (Windrow, Vermi, decentralized pit composting),	**Plants 02 (09 TPD Capacity)**
Biomethanation, MRF etc	**NIL**

Annexure-II(a)

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

1. Jammu Municipal Corporation

GAP = 374-50=324

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

MSW Facilities	Capacity (TPD)	Technology	Status
Solid Waste Processing facility in Kot-Bhalwal (operated by NAFED)	350 TPD	Biogas , Composting and MRF Centre	1. JMC has signed the Concession Agreement with NAFED on 07th April,2021. 2. 110 Kanal land has been allotted. 3. Construction of Boundary wall is completed. 4. As per CA JMC will pay Rs 20.00 Crore VGF to NAFED for capex support and found requisition sent to Government.
Integrated Solid Waste Management Facility in Bandhu Rakh	125 TPD	Biogas , Composting and MRF Centre	JMC has floated the tender on 15th March 2021 for selection of bidder for setup of ISWM in Bandhu-rakh and L1 bidder namely M/s BVG India Limited selected. Allotment could not be processed because the lowest bidder (L-1) failed to undertake the work and allotment has been cancelled on 30-07-2022. Vetted TEFR from IIT Jammu received on 12-09-2022. A fresh tender has been floated on 16-09-2022 but only one bid received, so JMC has floated tender again on 04-Nov-2022 as (Second call). Three bids received in ISWM Zone -3, and technical evaluation is completed, and 3 bidders

			are responsive, and L1 bidder has been selected and a team constituted and will verify the project details of the L1 bidder which are submitted as their work experience.
Plastic Recycling Facility	05 TPD	Plastic Product	JMC has signed MoU with CEE (Center for Environmental education) for set-up of plastic facility in Bandu-rakh. Construction work has been completed and installation of machinery part will be installed and setup by 30th April, 2023.

Srinagar Municipal Corporation

Srinagar Municipal Corporation is working on to implement a holistic 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 of hoppers/compactors/bins for achieving the 100% collection & transportation system. Procurement of 100 Nos. of Light Commercial Vehicles (LCVs) already completed. Further procurement of 150 LCVs is under process and Mechanical Engineering Department has been issued with an Authority to effect the purchase. With the augmentation of 250 LCVs (100 Nos procured and 150 Nos. being 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 3 GTSs floated for 3rd time due to poor response.

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 3 times 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. Installation of 3000 coloured coded litter bins in the city already tendered out. Supply received and installation of bins under execution.

8. 13 Nos of state of the art underground bins to be set up throughout the city. Work under execution.

9. 3 Nos of electronic Waste Pickers procured. Supply received. Deployment 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. Work tendered out. Work under execution.

12. Srinagar Municipal Corporation will be running a separate waste collection service for bulk waste generators. This would be a user charge based service where separate vehicles will be deployed for bulk waste collection. This would ensure proper segregation of waste and will also help in augmenting the revenues of Municipal Corporation. Based on the ward wise data analysis, the plan mentions critical gap analysis along with suggestions for improvement to ensure overall compliance. The plan also describes in detail the possible interventions in MSW collection, transportation, treatment and disposal.

1. Urban Local Bodies, Jammu

Details tabulated at Annexure XI

2. Urban Local Bodies, Kashmir

Action Plan for decentralized facility for every ULB has already approved by the State Level Apex Committee of Swachh Baharat Mission held on 16.03.2021 under the chairmanship of Chief Secretary J&K.

Revised Action Plan has been prepared and 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. RFP drafted and proposal send for administrative approval and tender will be floated after receiving the approval, on PPP mode and estimated capital cost 13.54 Cr. **Facilities under construction**:- Nil	The SMC is contemplating to set up **50 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 Province. 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 proposed action plan, the sanitary landfill sites to be developed & C&D shall also be disposed at the designated place at 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 Uran Hall Anantnag. Shalkhud Sumbal

Annexure-IV

Points	Jammu Municipal Corporation.	Srinagar Municipal Corporation	Urban Local Bodies Jammu	Urban Local bodies Kashmir
Total no. of wards,	**75 wards**	**74**	**446**	**529**
no. of wards having door to door collection	**75 (100%)**	100%	**100%**	**529**
no. of wards practicing segregation at source	**40% Overall**	35% in all wards	**268**	**426**

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	125 TPD	Bio- Gas compositing and MRF Centre	March-2024
Solid Waste Processing Facility in Kot-Bhalwal	Proposed	350TPD	Bio- Gas compositing and MRF Centre	

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 has already 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. Award of work by March, 2023.

Bio Remediation of legacy waste;

Fresh DPR for bio-remediation of 12 lac MTs of legacy waste prepared and forwarded to Administrative Department vide No: SMC/CSO/SWMO/1779 dated 31/3/2022 for accord of approval.

Garbage Transfer Stations:

Tenders for 3 Stations floated for third time.

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.

Wheeled bins:

Supply order for procurement of 500 Nos. of 120 lit 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% supply received.

Construction of landfill Cell No: IV

Tendering process already done. Administrative Approval granted. Allotment of work by March, 2023.

3. **Urban Local Bodies, Jammu**

As per the action plan the process of establishment of Solid Waste Management Facilities has been initiated in 28 ULBs and in tendering stage in 1 ULBs. In 7 UlBs land has not been identified.

The capacities of the Solid Waste Management Facilities in different ULBs shall 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 machinaries for MRF already completed.

4. Urban Local Bodies, Kashmir

69 numbers of Compost Plants using Aerated Compost pits method in 37 ULBs for composting of 150 TPD wet waste and 69 Material Recovery Facility (MRF) in 37 ULBs for processing of 150 TPD dry waste.

02 No. integrated facility: 80 TPD Each, for (MC Anantnag, MC Baramulla/MC Sopore)

Procurement of Collection Vehicles with segregated bins to achieve 100% door to door collection and segregation for all ULBs has been completed & 107 Auto Hoopers have provided to all ULBs. Procurement of Tri-Cycles for UlBs is under progress.

Besides the establishment of WMCs is under process i.e out of 40 ULB,s , 36 ULBs have prepared DPR

26 Projects have been started and work is under progress & 5 projects are under tendering.

Construction Work has been completed for 9 WMC for processing waste of 10 ULBs.

EIA reported is being prepared for Integrated Facility as required by SWM Rules & CPCB guidelines.

By September 2023 Establishment of WMCs will be completed.

The PMU for solid waste management facility of Directorate of Urban Local Bodies, Kashmir has been established.

69616 pairs of twin dustbins have been procured and distributed by all the ULBs for an amount of Rs.119.92 Lacs

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 12.50 acres
Estimated Waste as on date 3,97,401 MT.

Proposal sent for Administrative approval and tender will be floated after receiving the approval.

Note:- Sanitary Landfill :- Nil (SLF) construction is the part of Dev. Of Integrated Solid Waste Management facility Kot-Bhawal and MOU has been signed with NAFED)</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>Katra</td><td>65,000 MT</td></tr>
<tr><td>Kathua</td><td>50,000 MT</td></tr>
<tr><td>Samba</td><td>16500 MT</td></tr>
<tr><td>Udhampur</td><td>15000 MT</td></tr>
<tr><td>Bhaderwah</td><td>1000 MT</td></tr>
<tr><td>Doda</td><td>7500 MT</td></tr>
<tr><td>Total</td><td>1,55,000 MT</td></tr>
</table>
Bio-remediation Work at Katra, Udhampur and Samba is under process.

LOA for bio-remediation work in Kathua Municipal Council has also been issued to contractor and work</td>
<td>NIL</td>
</tr>
</table>

			will start from 25th March. 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 Division is floated 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 1km 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	50 TPD	03	60-70%	-
Srinagar Municipal Corporation	1	520 TPD	130 TPD	1. Mechanical Segregator; 2. Land filling.	30 TPH capacity Mechanical Segregator. 75% 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; 2. DPR for Bio-remediation of 12 lac MTs legacy waste forwarded to Administrative Department for approval. 3. The allotment of work for construction of Cell No. IV to be issued by March, 2023. 4. DPR for setting up of 50 TPD under preparation.
Urban Local Bodies Jammu	36	**235**	**80**	ULBs wise details shown as **Annexure XI**		
Urban Local bodies Kashmir	40	384	38.04	2 (Two Waste to compost plants at Pahalgam and Tangmarg ULB)	38.04 TDP	69 number of compost plants using Aerated Compost pits in 37 UlBs for composting of 150 TPD wet waste and 69 MRF in 37 ULBs for processing of 150 TPD dry waste and 02 number integrated facility: 80 TPD each for (MC Anantnag, Baramulla/Sopore).

						Procurement of Collection Vehicles with compartment bins to achieve 100% door to door collection of segregated waste for all ULBs has been completed & 107 Auto Hoopers and 492 Tricycles have been provided to all ULBs. Besides, the establishment of WMCs is under process i.e. out of 40ULBs, 36 ULBs have prepared DPR. 26 projects have been already started and work is under process and 5 projects are under tendering. Construction Work have been completed for 9 WMC for processing waste of 10 ULBs. EIA report has been prepared for Integrated Facility as required by SWM Rules and CPCB Guidelines. By September, 2023, Establishment of WMCs will be completed. The PMU for solid waste management facility of Directorate of Urban Local Bodies, Kashmir has been established. 69616 pairs of twin dustbins have been procured and distributed by all the ULBs for an amount of Rs.119.92 Lacs

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 in the process of procurement of infrastructure related to collection & transportation, transfer Station, Underground bins etc for implementation of effective Solid Waste Management in Jammu City. Order stands placed for purchase of 66 E-rikshaws out of which 45 nos. E-Rickshaws received and rest supply was on hold due to lack of charging station / parking space. Order has been placed for purchase of 89 autos and delivery received. • JMC has purchased 100 nos. (six-bins) tricycle rickshaws for garbage collection from narrow streets.	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 February 2023, the	1. The Single use Plastic has been banned in all 40 ULBs. Awareness regarding hazardous effects of plastic is being imparted among general masses. 2. 2. ULBs have conducted 360 Anti Plastic drives w.e.f April-2021 to April-2022 to eradicate the menace of plastic. 3. All ULB's have distributed the eco-friendly material viz jute bags as a replacement to plastic bags among inhabitants and also continues awareness regarding hazardous of polythene/plastic through IEC activities are being conducted for mass consciousness of General Public. 4. Plastic Waste Management Bye-

	8 Nos. of transfer stations are in proposal out which 7 Nos. are completed, and 1 No. is under construction. b. After awareness by JMC, 48 dairies out of 54, gaushalas have installed bio-gas unit, vermin compost unit in their premises for scientific disposal of dung. **(List Attached)** 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, cleaning of plastic waste from roadsides and households by students/volunteers. d. From time-to-time JMC organizes various awareness programs on PWM at 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 on Behaviour Change Communication (BCC)	Rag Pickers have collected **859.210 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 **7581 Kgs (including polythene seized by Ward Offices during routine drive)** of banned polythene within the limits of Srinagar City and realized Rs. 9,13,420/- 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.	Laws have been notified/ adopted by all 40 ULBs. 5. Special Task Force teams were constituted in all Municipal Councils/Committees of Kashmir Division to conduct raids in respective UlBs, seize the Single Use Plastic and impose fine on violators on daily basis. **A total of 4911.23 KG polythene has been seized and Rs. 825060/-** as fine has been imposed against the defaulters since April 2021 to August 2022. 6. ULBs have engaged 204 Eco Guards (Ragpicker) in order to channelized the plastic waste to small scale industries and process of registering more rag pickers is under progress. 7. For effective implementation of Single Use of 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.

	aspect. In this direction a comprehensive campaign namely **Byebyeplastic** and **Jammuagainstplastic** was 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 Kiosks will function as exchange points for Single use plastic/ polythene with that of a Cloth/ Jute Bag. General public will be encouraged to use Jute/ Cloth Bag for carrying daily provisions and goods. Encouraging Shopkeepers/ departmental store managers to keep Cloth/ Jute bags in their⎫ establishments for providing to customers instead of Plastic/ Polythene bags for packaging of provisions. Some innovative messages are also displayed on the counters in this context. Conducting awareness programs of shopkeepers regarding various aspects and provisions⎫ of Plastic Waste Management Rules 2016		8. 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 recycle/reuse. 9. The drive has been conducted in presence of Worthly Divisional Commissioner, Kashmir and Director, ULB, Kashmir to replace Plastic bags to non woven bags, at the entry of Gulmarg Tourist Place. 10. Data of every ULB regarding Development of SUP App. has been forwarded to the CPCB.

	particularly with respect to "**Explicit pricing of Plastic carry bags**", so that customers be charged for using (approved- 75 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 a MoU with CEE (Center for Environment Education) for setup recycling facility with 5 TPDs capacity and construction work completed but machinery part will be completed by 30th April 2023.		

Annexure-X

I. Identification of Polluting sources including drains contributing to river pollution and action as per NGT order on insitu 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	**A) (The Project is approved under NRCP funding for Rs.186.74Cr.** **STP-1:** Civil works = 82.00 %. E/M=20 .00% **STP-2:** Civil works = 93.70%, E/M= 94.00% **STP-3:** Civil works = 99.60%, E/M= 94.00% 106.01 Km out of 110.0 Km Sewerage Network 96.37% complete. Work in progress. IPS-1: 99%, E/M=99% IPS-2: 99% E/M=99% IPS-3: 99%, E/M=99% IPS-4: 99%, E/M=99% IPS-5: 99% E/M=99% IPS-6: 98% E/M=99% IPS-7: 99% E/M=99% IPS-8: 70% E/M=0% IPS-9: 99% E/M=99% Work in progress.
2.	**Banganga, Holy Stream, Katra**	Pony Shed to Bathing Ghat, Banganga, Katra	a. Untreated Solid and Liquid waste disposal from pony	**7(Nos.)drains** from Pony Shed to Bathing Ghat, Banganga, Katra i.Nallah 1	i) DPR amounting Rs.95.69Cr. presently with NRCD after having been received from IIT (Roorkee) post clarification of comments/observations. Administrative

			sheds. b. Untreated sewage from nearby localities/ establishments. c. Unabated disposal of Municipal Solid Waste. d. Sewage Pollution from minor/major establishments	ii.Nallah 2 iii.Nallah 3 iv.Nallah 4 v.Nallah 5 vi.Nallah 6 vii.Nallah 7	Approval/ Financial concurrence awaited ii) Land acquisition for construction of 2 No. STP's and 5 Nos. IPS under process. iii) Work for STPs / IPSs along with Sewerage Network to be put to tenders. iv) Tenders for engagement of services of a PMC invited and will be finalized once financial concurrence is received.
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	a) Construction of 4 MLD STP at Belicharana based on SBR technologies under execution and the civil structures in this sub project are 100% complete and Machinery & Equipment-Procurement 100% and installation work 100% completed. (AMRUT). b.DPR for Pollution abatement of river Tawi (right bank) at Jammu city (J&K) 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. c) Revised **DPR for an amount of Rs51.67 Cr.** for Construction of 4MLD STP Sewerage Treatment Plant with complete sewerage network for treatment of 5No: Nallah on left side Tawi River Jammu Work completed. d) Land acquisition for construction of 1 No. STP of capacity 10MLD at Peerkho under process.

				iii. University Nallah iv.RefugeeBasti v.BikramChowk vi.Ware House	
4.	**River Basanter, Samba**	Samba to Chak Manga Rakwal, adjoining IGC Samba	a. Disposal of 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.	**3 Nos. Drains** i) Sidco Sewage Drain backside of Hotel Rex ArgiNallah ii) Near ShamshanGhatMandiFlouraNallah. iii) Drain near Railway Bridge.	i) DPR amounting Rs.70.60 Cr 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 program of Government. Land acquired for construction of STP and boundary wall work started. ii) Land Acquisition for 2Nos. IPS under process. iii) The project included under UT Capex. AA of Administrative Council awaited.
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	**3 Nos. drains** i). Baba JittoNallah ii). Nallah near Gurudwara iii). Ward No.10 Nallah	i)DPR amounting Rs.123.21 Cr. 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 program of Government. ii)Land documents for 1 No. STP of capacity 5 MLD received from Tehsildar and lying with DDC Jammu iii)Acquisition for of 7 Nos. IPS are under

			dumping of Construction and Demolition Waste. d. Pollution from minor/major establishments.		process. The project included under UT Capex. AA of Administrative Council awaited.
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	Work included in UT Capex. However, funding under O&M, the appropriate head of account, demanded. Being put to fresh tenders.

ii)In Kashmir

S.No	Name of Rivers	Polluted Stretches	Source of Pollution	Drains Contributing to River Pollution	Action
1.	**ChuntKol (Tributary of Jhelum)**	Gawkadal to Zero Bridge	a) Discharge of untreated sewage into the river. b) Dumping of Solid Waste.	8 (No.) dewatering pumps	DPR duly vetted by the DCW for Rs.40.44 Crs is 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. Currently undergoing third party appraisal at IIT Roorkee.
2	**Gaw-Kadal (Tributary of Jhelum)**	Gawkadal bridge to Nowhatta	a) Discharge of un-treated Sewage into	N.A.	DPR duly vetted by the DCW for Rs.26.22 Crs is 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

			the river. a) Dumping of Solid Waste.		/Plan/16/2019/SP Dated:11.12.2020. Currently undergoing third party appraisal at IIT Roorkee.
3	**<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 and Submitted to Govt for accord of A.A **Project proposed under AMRUT 2.0.** The projects included under UT Capex. AA of Administrative Council awaited.
4	**Sindh**	Along Duderhama (Ganderbal)	a) Discharge of un-treated sewage . b) Unauthorised dumping of Municipal Solid Waste.	13 (No.) drains	**DPR for an amount of Rs 105.02Cr.** submitted to Administrative Department for Accord AA & necessary authorization vide Chief Engineer JKUEED No:CE/UEED/TS/379-82 dated 12/11/2020
5	**Bio-remediation for treatment of wastewater flowing through drains/Nallahsoutfalling into rivers in Kashmir Region as identified by NGT for a period of 1yrs.**	Interim measure to control pollution of river stretches mentioned above under s.no-01 to 04in Kashmir Region	As mention above under s.no-01 to 04	As mention above under s.no-01 to 04	Work included in UT Capex. However, funding under O&M, the appropriate head of account, demanded. Being put to fresh tenders.

X. Identification of Polluting sources including drains contributing to river pollution and action as per NGT order on insitu 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/ Nigeen Lakes :

The Dal and Nigeen Lakes are surrounded by the 06 Municipal Administrative Wards comprising of Ward Nos. 01 (Nishat), 02 (Lalchowk), 03 (Dal), 08 (Saida Kadal), 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 Srinagar Programme:

The SMC continues its innovative Sunday4Srinagar programme and on every Sunday, bad spots, embankments of water bodies, water channels and wet lands are being cleared of the waste. Morethan 318 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.

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	Land identification currently in process	NIL	Land identification currently in process

				recyclers)			
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 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, 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	Land identification	NIL	Land identification

				recyclers)	currently in process		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 (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, 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 MRF Plant and 2.5	100%	5 TPD MRF Plant and 2.5

				(through recyclers and Processing Facility)	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	**2.20**	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	**2.00**	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
TOTAL	**235**	**117.5**	**117.5**	**-**	**-**		