# Covernment of Jammu and Kashmir, Forest, Ecology & Environment Department Civil Secretariat, J&K, Jammu

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

No: - FST/Lit/135/2018-1

Dated:

.05.2021

Subject:- Monthly Progress Report by States/UTs, Hon'ble NGT in the matter of OA. No.673/2018 dated 06.12.2019 for the month of March, 2021.

Sir,

I am directed to enclose herewith copy of Monthly Progress Report (as per revised format) in compliance to the Hon'ble NGT order dated 06.12.2019 in respect of J&K UT for the month of March, 2021 for favour of information and further necessary action.

Yours faithfully,

(Dr. Harpreet Kaur)

Special Secretary (Technical),

Forest, Ecology & Environment Department

Copy to the:

Member Secretary, Central Pollution Control Board, New Delhi alongwith copy of Monthly Progress Report in respect of J&K UT for the month of

2. Private Secretary to Commissioner/Secretary to Government FE&E Department for information of the Commissioner/Secretary.

# 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 March-2021 UNION TERRITORY OF JAMMU AND 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):
  - Capacity Utilization of existing STPs:
  - MLD of sewage being treated through Alternate technology:
  - Gap in Treatment Capacity in MLD
  - No. of Operational STPs
  - No. of Complying STPs
  - No. of Non-complying STPs:

## (A) Details of each existing STP in the UT of J&K

i)	In Jammu				
No.	Location	Existing STP Capacity (MLD)	Capacity being utilized (MLD)	Operational status of STP	Remarks
1	Bhagwati Nagar, Distt. Jammu	30	13+7=20	Operational	Polluted River Stretches (PRS)
2		27	07	Under testing and Commissioning	PRS
3		10	Nil	Under Refurbishment	PRS(Refurbishment of 10 MLD STP at Jammu expected to be completed by April 2021)
	Total	67	27		Above 3Nos STPs are at One Place at Bhagwati Nagar, Jammu with Common Collection Facility
4	Jagti, Distt. Jammu	4	2	Operational	Other than PRS
5	Katra, Bhawan, Distt. Reasi. (SMVDSB)	3.2	-	-	Under Control of Shri Mata Vaishno Devi Shrine Board.
6	Katra Adhkwari (SMVDSB)	0.4	-	-	Under Control of Shri Mata Vaishno Devi Shrine Board.
	Total(In Jammu)	74.60 MLD	-		
ii)	In Kashmir	I		l	1

No.	Location	Existing STP Capacity (MLD)	Capacity being utilized (MLD)	Operational status of STP	Remarks
1	Mehndi Kadal, Distt.Anantnag	4.0	2	Operational	Pollution River Stretches(PRS)
2	Hazratbal, Distt. Srinagar	7.5	7	Operational	Other than PRS
3	Habak, Distt. Srinagar	3.2	3.2	Operational	Other than PRS
4	Nishat Laam, Distt. Srinagar	4.5	4.5	Operational	Other than PRS
5	Barinambal (Old), Distt. Srinagar	17.1	17.1	Operational	Other than PRS
6	Barinambal (New), Distt. Srinagar	16.1	13.1	Operational	Under the Control of J&K LAWDA, Srinagar.
7	Nallah Amir Khan, Distt. Srinagar	5.4	4	Operational	Under the Control of J&K LAWDA, Srinagar.
8	Badami Bagh Cantt, Distt. Srinagar	5	-		Under the Control of BadamiBagh Cantonment Board.
9	Pahalgam, Distt. Anantnag	2	1	Operational	Under the Control of Tourism Department, J&K, Srinagar.
	Total(In Kashmir)	64.8 MLD	-		
	Total (In J&K)	139.40 MLD	-		

#### (B) Details of under construction STPs in the UT

j	i) In Jammu					
No.	Location	Capacity of the Plant in (MLD)	Physical Progress in %	Status of I&D or House sewer connections	Completion Time	Remarks
1	Beli Charana Distt. Jammu	4	85%	House sewer connections (In Nos.) Target=4929 Achieved=Nil	6/2021	(PRS Tawi) Construction of Major Structure parts completed but their allied/Finishing works are ongoing.
In U	dhampur District	1				
2	Baryal, Distt. Udhampur	8	Approach Road Work Started/PCC work started	House sewer connections (In Nos.) Target=13460 Achieved=Nil	12/2021	PRS Devika (Vetted copy of process Design, Structure Design of STP-
3	Omara, Distt. Udhampur	4	Not Started Yet	House sewer connections (In Nos.) Target=6632 Achieved=Nil	12/2021	01;received and PCC work started by the contractor. Post approval of process design, structure Design of STP- 2& 3 submitted to MNIT Jaipur for vetting / approval.
4	Pitan, Distt. Udhampur	1.6	Not Started Yet	House sewer connections (In Nos.) Target=2724 Achieved=Nil	12/2021	

5	Patnitop, Distt. Udhampur	1.2	85%	House sewer connections For Hotels/Huts/Houses. (In Nos.) Target=100 Achieved=Nil	3/2021	Other than PRS (Due to objections raised by the sky view gandolla project coordinators, Electricity Connection is pending, they advised Executive Engineer PDD Batote to lay electricity line underground which is still pending and due to which Trial run & commissioning part of STP is pending)
No.	) In Kashmir  Location	Capacity of the Plant in (MLD)	Physical Progress in	Status of I&D or Hou sewer connections	rse Completi Time	on Remarks
1	Noor Bagh, Palpora Distt. Srinagar	60	75%	House sewer connection (In Nos.) Target=16139 Achieved=5306	ons 3/2021	Other than PRS Under NBCC
2	Rajbagh, Srinagar	2.21	Work Stopped by the Revenue Dept.	Nil	9/2022	Other than PRS
3	Tengpora, Srinagar	6	15%	Nil	3/2022	Other than PRS
4	Charar-i-Sharief, Kashmir	2	Work allotted (Work of Approach Road to STP Site is with another contractor	House sewer connection (In Nos.) Target=3300 Achieved=Nil	ons 3/2022	Other than PRS

			due to which work not started yet. Hopefully It will be started in upcoming month.)			
5	Baramulla	3	5%	House sewer connections (In Nos.) Target=5550 Achieved=Nil	3/2022	Other than PRS
			STPs pertai	ning to Jammu Developmer	nt Authority	
01	JDA Flats at Muthi Jammu	160 KLD	90%	For flatted Accommodation	Installation completed	Two months required for operation/testing and commissioning. However, STP can be put to use only after the availability of permanent three phase power supply for which the
						construction of sub station is in progress by JPDCL.

(C) Details of Proposed STPs in the UT

No.	Location	Capacity of the STP Propose d in (MLD)	Status of Project (at DPR Stage/Under Tendering/work to be Awarded %	Likely Date of Completion	Remarks
1	Peerkho Jammu (For I&D of right bank 13 nos. Nallahs Polluting Tawi)	10	DPR amounting Rs.41.84 Cr submitted to <b>NRCD</b> for consideration/release of funds vide letter no. HUD /Plan/16/2019/SP Dated:11.12.2020.	2 years after sanction of Project	PRS Tawi
2	Katra Town	4.5	DPR amounting Rs.95.69Crs	2 years after sanction of Project	PRS Banganga
3	Katra Town	1.3	presently with NRCD after having been received from IIT(Roorkee)post clarification of comments/observations.	2 years after sanction of Project	PRS Banganga
4	Samba Town	3.5	DPR amounting Rs.70.60 Cr submitted to NRCD for consideration/release of funds but due to budgetary limitations, they requested to mobilise necessary financing from own resources of J&K UT or under different programmes of government.	2 years after sanction of Project	PRS Basanter

5	Akhnoor Town	5.0	DPR amounting Rs.123.21 Cr submitted to NRCD for consideration/release of funds but due to budgetary limitations, they requested to mobilise necessary financing from own resources of J&K UT or under different programmes of government.	2 years after sanction of Project	PRS Chenab
6	Kathua Town	19.1	DPR amounting Rs.265.23 Cr submitted to NRCD for consideration/release of funds but due to budgetary limitations, they requested to mobilise necessary financing from own resources of J&K UT or under different programmes of government.	3 years after sanction of Project	Other than PRS
7	Hiranagar Town	2.5+1.5= 4	96Cr(approx.)Proposed SBR Technology	2 years after sanction of Project	Other than PRS
8	Vijaypur Town	3+4=7	145 Cr(approx.) Proposed SBR Technology	2 years after sanction of Project	Other than PRS
9	Bari Brahmana Town	2.5+3.5=	135 Cr(approx.) Proposed SBR Technology	2 years after sanction of Project	Other than PRS
10	Arnia Town	2.5+1.5= 4	94 Cr(approx.) Proposed SBR Technology	2 years after sanction of Project	Other than PRS

11	R.S.Pura Town	2.5+3.5=	138 Cr(approx.) Proposed SBR Technology	2 years after sanction of Project	Other than PRS
12	Bishnah Town	2+2.5=4. 5	98 Cr(approx.) Proposed SBR Technology	2 years after sanction of Project	Other than PRS
13	Chunt Kol, Srinagar	5	DPR duly vetted by the DCW for Rs.40.44 Crsis submitted to Secretary, GoI, Ministry of Jal Shakti for Consideration/Sanction of DPR by the Deputy Director (P&S),H&UDD vide letter no. HUD /Plan/16/2019/SP Dated:11.12.2020.	2 years after sanction of project	PRS Jehlum
14	Gawkadal, Srinagar	3	DPR duly vetted by the DCW for Rs.26.22 Crsis submitted to Secretary, GoI, Ministry of Jal Shakti for Consideration/Sanction of DPR by the Deputy Director (P&S),H&UDD vide letter no. HUD /Plan/16/2019/SP Dated:11.12.2020.	2 years after sanction of project	PRS Jehlum
15	Anantnag Sewerage Scheme (Phase-2 <sup>nd</sup> /3 <sup>rd</sup> ) on SBR Technology	18	DPR under preparation	3 years after sanction of project	PRS Jehlum
16	Bijbehra, Town	3	DPR under preparation		PRS Jehlum
17	Awantipora	1.6			PRS Jehlum

18	Pampore	2.7			PRS Jehlum
19	Ganderbal	8	DPR vetted by Dev. Commissioner Works vide Chief Engineer letter No. CE/UEED/TS/379-82 dated 12/11/2020	2 years after sanction of project	
20	Sonamarg	1	Tender floated proposed SBR technology	2 years after sanction of project	Under the Control of Tourism Department, J&K, Srinagar.
21	Gulmarg	2.5	Proposed SBR technology	2 years after sanction of project	Under the Control of Tourism Department, J&K, Srinagar.
22.	Gupt Ganga	30.0	Proposal submitted to Govt.	Nil	Under the control of J&K Lakes and Waterways Development

#### IV. Details of Industrial Pollution:-

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

<sup>\*#(</sup>Data of quantity of effluent generated from the industries is reconciled)

## • Status of compliance and operation of the CETPs:

No. of Industries	Industrial discharge	Status of	ETPs	Status of CETPs				
	g	Functional	Without ETP	Existing	Under Construction	Proposed		
162	9 MLD	160	2	1	2			
(Jammu)				Ghatti,Ph-I = <b>0.45</b> MLD	a) IGC Samba, P-I = 1.0 MLD b) IGC Samba, P-II= 1.0 MLD c) IGC Samba, P-II= 0.5 MLD d) IGC Samba, P-III= 0.5 MLD 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	a) EPIP Kartholi, B.B.= <b>0.5</b> MLD.		
92 (Kashmir)	5 MLD	56	36	IGC Lassipora =0.6MLD	7,2.2.111 110 1121	a) Electronic Complex, Rangreth = 1MLD b) Food Park, Doabgah, Sopore =0.30 MLD c)Ind Estate, Shalteng =0.30 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=3x0.50 MLD		
254	14	216	38	2	9	10		

#### V. Solid Waste Management

Points	Urban Local	1 5	Jammu Municipal	Urban Local Bodies Jammu
Total number of Urban Local Bodies and their Population	40 ULBs (10 Municipal Councils & 30 Municipal Committees) Total Population: 835049 Souls	1. Srinagar Municipal Corporation. 2. Population: 11.92 lacs as per 2011 Census.	Corporation.  Population: 696291 (2019)	There are <b>36 ULBs</b> in Jammu province with <b>392585</b> population as per 2011 Census.
Current Municipal Solid Waste	309 TPD	450 MTS per day (total	370 TPD	230.10 TPD in all 36 ULBs of
Generation		generation in the city)		Jammu province
<ul> <li>Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg-         <ol> <li>Waste to Energy (Tonnage and Power Output),</li> <li>Compost Plants (Windrow, Vermi, decentralized pit composting),</li> </ol> </li> </ul>	0 Plants (09 TPD Capacity) NIL	i) Vide communication dated 13.01.2021, M/S. Syntech Bioenergy pvt. Ltd., Project Developer, Srinagar Waste-to-Energy Plant has been advised to move an application before JERC for vetting and adoption of discovered rates/tariff and get in writing any observation raised by JERC & forward the same to SMC for further course of action. After signing of PPA, project developer is under obligation to complete the	MSW Processing facilities and installed capacity (TPD)  MRF 1:30-40 TPD  Utilization of existing MSM processing facilities (TPD)  TPD  TPD	Waste to Energy (Tonnage and Power Output)  Compost plants (Windrow, Vermi, decentralized pit and MC composting),  Sunderbani with SWM Composting Plants. Composting has also been initiated in MC Udhampur for
iii. Biomethanation, MRF etc		project within 18 months.		treatment of Wet Waste.

	ii) Compost is produced of organic fraction of waste by erecting windrows and sieving it at 4mm trammel at dumping site Achan. iii) A Material Recovery Facility (MRF) is operational at SMC's dumping site where 24 Rag Pickers are working and recovering the recyclable material. The Rag Pickers have collected 405.750 MTs of plastic waste etc. at MRF upto March, 2021.	MRF 2:30	<b>D-40</b> 5	5-10 TPD	Biomethanation	Bailing Machine has been installed at Sui Chakkar, Udhampur for scientific disposal of plastic waste. Composting machine in MC R.S. Pura for composting wet waste with capacity of 200 kg/day has already been installed Nil
		Composting: TPD	50 4	IO TPD	MRF (Material Recycle Facilities	Recycling of collected garbage is done at MSW processing facilities at MC Katra, MC
						Doda, MC Bhaderwah and MC Sunderbani,.

							In addition to this the rag pickers on their own segregate reusable garbage for recycling from the identified garbage dumping sites. An action plan for Solid Waste Management has already been approved by a committee headed by the Chief Secretary. Material recovered facilities are a component of that action plan.
Points	Urban Local bodies Kashmir	Srinagar Corporation	Municipal	Jammu Corporation.	Municipal	Urban Local Bo	aies Jammu
Action plan to bridge gap between	Proposal for	An Action	Plan for	a. Initiatives for	waste to	The process of	f developing of
Installed Capacity and Current	Decentralized	door-to-door	waste	compost have		-	nagement plants
Utilization of processing facilities	facilities already	collection,	source	under which			for that land has
(if Gap > 20%)	submitted.	·	of waste,			been transferred	
( Sup 2070)	Succession of the succession o	primary and	secondary	composting Park, Digiana		MCs (Poonch,	

transportation of waste, scientific processing of waste formulated.	Rotary Bhawan Gandhi Nagar is in progress. The other parks are also being covered shortly. Moreover, for recycling of dry waste there are two MRF available in JMC, which is operated by M/s IPCA and M/s UNDP. The objectives of this partnership is:-  To bring a sense of responsibility among the citizens for their waste management.  To bring about behaviour change and awareness among the masses on issue of waste management, particularly zero littering, segregation	Sunderbani, Ramban, Batote, Doda, Bhaderwah, Udhampur, Akhnoor, Khour, Jourian, Billawar and Ramnagar). Land parcels have already been identified in 10 Municipal Councils/Committees and the same are yet to be transferred. The process of identification of new parcels of land is underway in the remaining 12 Municipal Councils/Committees by the concerned Deputy Commissioners. Simultaneously, an action plan for Solid Waste Management has already been approved by a committee headed by the Chief Secretary. In respect of MCs at Doda, Bhaderwah and Sunderbani, the existing MSW processing plants would also be upgraded on the modern lines. Apart from this, in Municipal
	• To bring about behaviour change and awareness among the masses on issue of waste management, particularly zero littering, segregation	approved by a committee headed by the Chief Secretary. In respect of MCs at Doda, Bhaderwah and Sunderbani, the existing MSW processing plants would also be upgraded on the modern lines.
	and waste collection.  • Put appropriate efforts for plastic waste management in Jammu, which include collection of non-recyclable plastic waste and channelize plastic waste to waste	Council Udhampur Kill to waste plant using heat technology has been installed which takes care of 1.50 Ton of garbage daily. Composting of wet waste has also been initiated at Sui Chakkar in Udhampur after segregation of dry and wet waste as per laid down guidelines.

processing facility (waste	An organic waste converter
to energy) of JMC.	machine for composting of wet
b) As per proper action plan,	waste with a capacity of 200
JMC and UNDP has taken	kg/day has been installed in
steps for plastic waste	Municipal Committee RS Pura.
management in 10	
identified wards (W. No.	
45, 50, 51, 52, 53, 55, 56,	
57, 58 & 68) of Jammu	
City. UNDP will also	
work with JMC as partner	
in collection segregation	
and transportation of	
plastic waste to recyclers.	
UNDP also with JMC is	
also carrying out media	
campaigns.	
c) JMC has hired an	
agency for IEC activity in	
city regarding Plastic	
Waste Management Rule-	
2016, Solid Waste	
management Rule 2016,	
C&D waste management	
Rule 2016 and BMW	
Rule 2016 and other	
different-different	
activities for awareness in	
general public.	

d) JMC has started	
vermi compost unit at	
JMC Stray Cattle Pound	
Dogra hall in which stray	
cattle's dung is being	
converted into vermi	
compost and thereafter	
used in different JMC	
Parks. Till date about 35	
MT compost has been	
used. JMC has also started	
sale outlet at Town Hall	
for general public.	
e) JMC is in the	
process to signed the	
MoU with a partner to set	
up the vermicomposting	
unit in Bandurakh.	
f)JMC has also installed 06	
cubic meter Bio-gas plant	
by using stray cow dung	
at JMC Cattle Pound at	
Dogra Hall.	
g) After awareness by	
JMC, 03 dairy unit	
owners have also installed	
6 cum bio-gas unit each at	
Buta Nagar, Shakti Nagar	
and Sanik Colony. They	
	1

 <u>,                                      </u>	
are using biogas for	
cooking.	
h) JMC is collecting	
the fresh vegetable waste	
on daily basis from	
different vegetable	
Mandies within the city	
and feeding it to the stray	
animals at JMC Cattle	
Pound Dogra Hall and	
Municipal Animal Care	
Centre Roop Nagar.	
i) JMC is also collecting	
flowers from 25 temples	
and utilizing old waste	
flowers for composition.	
Two Aggarbati	
manufacturing units using	
fresh flowers collected	
from temples have also	
been installed in	
association with Regional	
Indian Red Cross Society,	
Jammu with the help of	
Self-Help Groups. 700 kg	
flowers per day collected	
from different Mandirs	
and are being used for	
compost and making	
aggarbattis. The outlet of	

			sale of agarbattis has been opened at Town Hall Complex, Jammu.  j) JMC launches campaigns for plastic waste management and solid waste management time to time with the help of SHGs, NGOs and schools. The themes of these campaigns are Plastic free rallies, cleaning of plastic waste from roadsides and households by students/ volunteers.  k) Time to time JMC organizing multiple programs for the community on PWM.  l) IMC engaged an IEC	
			1 0	
			JMC jurisdictions.	
Points	Urban Local bodies Kashmir	Srinagar Municipal Corporation	Jammu Municipal Corporation.	Urban Local Bodies Jammu
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	Proposal for establishment of C&D Waste Processing	The SMC is contemplating to set up 100 TPD capacity	Existing facilities: Only collection centre at Bhagwati Nagar site.  Proposed facilities:-	As on date, no C&D processing plant has been established in any of the UlBs of jammu Province. However, 6 sites at Kathua,

T		r	
			, ,
have been taken	One collection centre at	construction:- Nil	have been notified for dumping
up with Building	dumping site Achan,		of C&D Waste.
Centre, Srinagar.	Srinagar already notified.		A survey has been conducted in
			all ULBs to determine the
			quantity of C&D waste
			generated. From the survey, it
			transpired that the waste
			generation under C&D varies
			each month. However, some of
			MCs have been able to determine
			the average waste generated per
			month in respective MCs which
			varies from 500 kg to 5 tons per
			month. A notification has been
			issued wherein the concerned
			CEOs/EOs have been directed to
			dump C&D waste at the
	~		identified site only.
	_	·	Urban Local Bodies Jammu
529	35	75 wards	446
427	85 % in all 35 Municipal	75(100%)	405
	Wards		
22		50%-60% in all wards	101
	100% Segregated waste		Not everywhere people practice
			segregating garbage at source.
	Wards i.e. Ward No. 01		However all the MCs through
	up with Building Centre, Srinagar.  Urban Local bodies Kashmir 529 427	have been taken up with Building Centre, Srinagar.  One collection centre at dumping site Achan, Srinagar already notified.  Srinagar already notified.  Srinagar Municipal Corporation  529  427  85 % in all 35 Municipal Wards  100% Segregated waste collected in 04 Municipal	have been taken up with Building Centre, Srinagar.    Urban Local bodies Kashmir   Sinagar   Municipal Corporation   Sinagar   Municipal Corporation   Corporation   To wards

		(Nishat), Ward No. 11 (Lalbazar), Ward No. 22 (Karan Nagar) & Ward No. 33 (Humhama)		various IEC activities educate people about the importance of segregating waste at source time to time. The respective MC's have distributed separate bins for garbage collection at source so that segregated garbage is available for proper disposal.  100% door to door collection in all 446 wards with segregation at source is being pushed.  100% source segregation in all wards is targeted to be achieved ending September, 2021.
Points	Urban Local bodies Kashmir	Srinagar Municipal Corporation	Jammu Municipal Corporation.	Urban Local Bodies Jammu
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Six SWM facilities for 22 ULBs of Kashmir Division have been approved on cluster basis having total capacity of 380 TPD at a project cost of Rs.144.20 Crores and technology	1. Letter of Intent for establishment of 5MW capacity Waste-to-Energy plant capable to deal 500+/- 125 MT/D already issued. The plant is based on Gasification Technology. The SMC has already handed over land measuring 10 acres to the project developer who has	2 MSW treatment facilities proposed with 450 TPD(approx) capacities, Technology:- Aerobic Composting, Biogas and MRF Centres. MSW treatment facilities under construction- 0 No. Technology- Nil.	An action plan for Solid Waste Management has already been approved by a committee headed by the Chief Secretary. In all 14 Municipal Councils/Committees where land has been identified the process of establishment of Municipal Solid Waste facilities will be initiated soon.

proposed is		ndertaken civil works	
Composting		t site.	
RFPs have been		Construction of landfill	
floated on	C	ell No. IV at dumping	
number of times.	Si	ite Achan, Srinagar	
Meanwhile a	S1	ands already tendered.	
comprehensive	В	received,	
proposal for	T	echnical and financial	
decentralized	e	valuation of bids	
waste to compost		Iready done. Proposal	
treatment plants		or AA submitted to	
for all ULBs		l&UDD. Proposal	
have been		nder examination in	
formulated		&UDD	
taking into		sioremediation/bio-min	
consideration the		ng of legacy waste	
population		endered. Bids received	
projection for the		nd technical/financial	
year 2025.		valuation already	
		one. Proposal for AA	
		ubmitted to H&UDD	
		hortly. Proposal under	
		xamination in	
		(&UDD	
		A 100 TPD Capacity	
		&D waste processing	
		lant to be set up at	
		chan. DPR under	
	p	reparation.	

Points  No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.	Urban Local bodies Kashmir  17 Municipal Committees have furnished details of 28.26 Acres of uncontrolled Land/Garbage dumping sites	Corporation  The area of waste processing facility of SMC is spread over an area of	Jammu Municipal Corporation.  Uncontrolled Garbage Dumpsites:- 2 (Bhagwati nagar and Kothbalwal), Number of dumping site and area is 32 acres and 19.5 acres respectively.  Bhagwati Nagar dumping	Garbage Dumpsites and Sanitary
No. and area (in acres) of legacy	and sanitary land fill.	1&3 already closed and capped. Cell No. 2 is presently in operation.  None, In the buffer within 1	site is under remediation process. Sanitary landfills: Nil (under proposal)  Legacy waste site: 01	NIL
waste within 1km buffer of both side of the rivers		KM of rivers	(Remediation started) Area of legacy waste: 32 acres.	
No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	As received from different ULBs 98 Drains have been drains out towards water bodies.	SMC has constructed 120 Trash Guards alongside the water channels from Khojyarbal to Nowpora to arrest the waste from entering the water channel and has put 6 Boatmen-cum-Safaiwalas on job to collect waste from	No. of drains falling into rivers: 26 No. of drains installed screens: 0	NIL

	these Trash Guards on daily	
	basis.	

#### (VI) Bio-medical Waste Management:

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

**Total=5902.62** Kg / day

#### Covid-19 Bio-medical waste for the month of March-2021:

- a) Jammu = **9286.79** Kg/Month
- b) Kashmir = <u>3401.6 Kg/Month</u>

Total = 12688.39 Kg/Month

- No. of Hospitals and Health Care Facilities:
  - a) Jammu = 3641
  - <u>b)</u> Kashmir = <u>2965</u>

Total = 6606

- Status of Treatment Facility/ CBMWTF: 3 Operational Facilities with PCDs. OCEMS installed in two facility
  - a) M/s Anmol Health care, Jammu
  - b) M/s Kashmir Health Care System, Kashmir).
  - c) M/s Clean City Waste Management, Kashmir (OCEMS not installed)

#### (VII) <u>Hazardous Waste Management:</u>

- Total Hazardous Waste generation:
  - a) Jammu = **981.026** MT / Annum.
  - b) Kashmir=231.50 MT/Annum.

**Total= 1212.526 MT / Annum** 

- No. of Industries generating Hazardous waste:
  - a) Jammu = 227
  - <u>b)</u> Kashmir = <u>11</u>

Total = 238

• Treatment Capacity of all TSDFs:

TSDF under construction at IGC Samba

• Avg. Quantity of Hazardous waste reaching the TSDFs and Treated:

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

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

#### (VIII) Plastic Waste Management:-

- Total Annual Plastic Waste generation in J&K = 74826 MT/Annum (app.), with monthly average of 6200 MT (app.)
- Seizure done (April to February 2021)
  - a) Polythene = 20171.95 kg
  - b) SUP = 1355.95 kg

Total = 21527.90 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.

- 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) AlluchiBagh = **164** KLD
  - iv) Achan = 130 KLD

(X) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:
Identification of Pollution Sources in Nine (09) Polluted Rivers in UT of Jammu and Kashmir, as per Approved Action Plan:-

S. No.	Polluted River Stretch	Source of Pollution	Drains	Drain Flow (MLD) as per UEED data
1.	River Devak Udhampur	<ul> <li>a) Un-treated sewage pollution from Municipal drains</li> <li>b) Unabated disposal of Municipal Solid Waste.</li> </ul>	i) Housing Colony	(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	<ul> <li>a) Untreated Solid and Liquid waste disposal from pony sheds.</li> <li>b) Un-treated sewage from nearby localities/establishments.</li> <li>c) Unabated disposal of Municipal Solid Waste.</li> <li>d) Sewage pollution from minor/major establishments.</li> </ul>	No. of drains = 7 From Balani Bridge to GeetaMandir:- i)Nallah 1 ii)Nallah 2 iii) Nallah 3 iv) Nallah 4	0.268 0.361 0.179 0.277 0.722 1.256 0.437

3.	River Tawi,	a)	Disposal of Untreated Sewage	No. of drains = $26$	(66.36MLD)
	Jammu	′	Waste from Jammu city.	RHS (D/S Tawi)	RHS (D/S Tawi)
		(b)	Unabated Disposal of		1.10
		'	Municipal Solid Waste.	ii) JullahaMohalla	2.62
		(c)	Dumping of Construction and	iii) Peerkho 1	0.03
		"	Demolition Waste.	iv) Peerkho main	10.73
		d)	Pollution from minor/major	v) Gujjar Nagar 7	0.13
		u)	establishments.	vi)Gujjar Nagar 6	0.14
			estaunsiments.	vii)Gujjar Nagar 5	0.10
				viii)Gujjar Nagar 4	0.10
				ix)Gujjar Nagar 3	0.07
				x)Gujjar Nagar 2	0.10
				xi)Gujjar Nagar 1	0.08
				xii)Gujjar Nagar main	0.69
				xiii)Jogi Gate	11.32
				xiv)Prem Nagar	11.83
				xv)Christian Colony Nallah	6.71
				xvi)Qasim Nagar	0.15
				xvii)RehariNallah	4.71
				xviii)Krishna Nagar Nallah	5.48
				xix)Rajinder Nagar	1.475
				xx)Bhagwati Nagar	1.76
				LHS (D/S Tawi)	LHS (D/S Tawi)
				i)Gorkha Nagar	2.30
				ii)Rajiv Nagar	0.25
				iii)University Campus Nallah	0.39
				iv)Refugee Basti	0.03
				v) BikramChowk	0.07
				vi)Ware house	1.00

4.	River Basanter, Samba	<ul> <li>a) Disposal of Untreated Sewage Waste from Samba Town and nearby localities.</li> <li>b) Effluents from industries in IGC-Samba.</li> <li>c) Unabated Disposal of Municipal Solid Waste.</li> <li>d) Dumping of Construction and Demolition Waste.</li> </ul>	i)MandiFlouraNallah ii) ArgiNallah	(3.5 MLD)  2.5  1.0
5.	River Chenab at Akhnoor	<ul> <li>a) Disposal of Untreated Sewage Waste into River Chenab.</li> <li>b) Unabated Disposal of Municipal Solid Waste.</li> <li>c) Un-authorised dumping of Construction and Demolition Waste.</li> </ul>	i)Baba JittoNallah ii)Near Gurdwara	(3.0 MLD) 0.918 1.325 0.758
6.	River Chuntkol ( A tributary of Jhelum)	<ul><li>a) Discharge of untreated sewage into the river.</li><li>b) Dumping of Solid Waste.</li></ul>	No. of dewatering pumps = <b>07</b>	(5 MLD) -
7.	River Gawkadal ( A tributary of Jhelum)	<ul><li>a) Discharge of un-treated Sewage into the river.</li><li>b) Dumping of Solid Waste.</li></ul>	A part of polluted river stretch of river Jehlum (Anantnag to Chhatabal)	(3.0 MLD) -

8.	River Jhelum at Srinagar (Anantnag to	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) -
	Chhatabal Weir)		
9.	River Sindh at	a) Discharge of un-treated sewage No. of drains = 13	(7.6 MLD)
	Ganderbal, Srinagar	b) Un-authorised dumping of Municipal Solid Waste.	_

- (XI) Details of Nodal Officer appointed by Chief Secretary in the State/UT: Sh Waseem Farooq Mir, DCF
- (XII) Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
- (XIII) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river; -

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

- a) No. of Polluted River Stretches in Jammu = 05
- b) No. of Polluted River Stretches in Srinagar = 04

# Water Quality Status of Polluted Rivers (09) during the month of March -2021

S. No.	Polluted River Stretch								
1	River Devak							NA	
	Udhampur	NWMP Monitoring Sites with Sanctioned Station Code	BOD	COD	pН	Hardness	Alkalinity		
		a) Near Shiv Mandir (Stn code 2754)	2.6	13.8	7.96	262	280		
		<ul><li><b>b)</b> About 2 Km (D/S) Shiv Mandir (Stn.code:4062)</li><li><b>c)</b> About 10 Km (D/S)</li></ul>	0.4	1.9	8.40	236	260		
		Shiv Mandir (Stn.code:4063)	0.2	1.7	8.42	220	236		
2	Banganga , Holy							NA	
	Stream, Katra	NWMP Monitoring Sites	BOD	COD	pН	Hardness	Alkalinity		
		<ul><li>a) Bathing Ghat (Stn.2755)</li><li>b) In front of pony shed</li></ul>	1.3	6.6	8.60	248	260		
		(Stn.code2756)	1.5	7.2	8.56	242	276		

3	River Tawi,							NA
	Jammu	NWMP Monitoring Sites	BOD	COD	pН	Hardness	Alkalinity	
		March -2021	2.0	10.4	8.80	260	268	
		StationCode;- i)Below Tawi Bridge-2744, ii)Bhagwati Nagar-2745						
		iii)Beli Charana-2746,	4.9	24.5	8.75	320	352	
		iv)Surajpur-2747 v)Bhagwati nagar 1	0.3	1.7	8.60	240	276	
		Km,D/S below STP discharge point at	0.3	1.9	8.50	240	276	
		Bhagwati Nagar-4055	5.0	25.2	8.68	324	360	
4	River Basanter,							NA
•	Samba	NINNIA ID BAT 'A ' C'A	DOD	COD	TT	TT 1		1 <b>\A</b>
	Samba	NWMP Monitoring Site / Sanctioned Station Code	BOD	COD	pН	Hardness	Alkalinity	
		a) Chak Manga Gujjar samba (2753)	1.3	6.2	8.65	196	236	

5	River Chenab at								NA
	Akhnoor	NWMP Monitoring Sites / Sanctioned Station Code	BOD	COD	pН	Hard	ness	Alkalinity	
		At Jio-Pota Mandir (2751)	Monit	coring be	eing don	e bi- mo	nthly b	asis.	
6	River Chuntkol								NA
	(A tributary of	NWMP Monitoring Sites/		Code	BOD	COD	pН	DO	
	Jhelum)	a) NWMP sanctioned locati	on (1307)		5.0	59.7	7.41	4.9	
				<u> </u>					
7	River Gawkadal								NA
	(A tributary of	NWMP sanctioned sites			BOD	COD	pН	DO	
	Jhelum)	Sanctioned location (1306)			2.3	33.70	7.40	7.7	
							1		
8	River Jhelum at								NA
	Srinagar	NWMP/PCB Monitoring	Sites with		BOD	COD	pН	DO	
	(Anantnag to Chhatabal Weir)	Sanctioned Station Code			2.7	25.3	7.67	6.5	
	Cimatabai weir)	at:- i) Anantnag (1304) ii) Batingon, <b>(PCB Site)</b>			2.1	23.3	/.0/	0.3	
		iii) Bijbehhara(4053)			2.1	30.3	7.69	7.0	
		iv)Sangam U/S (3273)			2.1	27.84	7.63	7.2	
		v) SangamD/S, (PCB Site)			2.1	27.84	7.69	7.0	
		vi) Awantipora (3274)			2.2	25.31	7.56	6.3	
		vii) Pampore (3275)							

	1	) D .1 1 1 (4054)	2.4	04.71	7.45	7.7	
		viii) Panthachowk (4054)	2.4	24.71	7.45	7.7	
		ix) Pandarathan ( <b>PCB Site</b> )	2.0	26.96	7.57	7.3	
		x) Zero Bridge(1410)	2.1	24.71	7.51	7.4	
		xi) Chattabal Weir (1411)					
		Al) Chattabai Wen (1411)	1.6	22.47	7.46	7.0	
			1.0	22.17	7.10	7.0	
			2.0	25.90	7.50	6.9	
			2.0	21.10	7.61	( ()	
			3.0	31.10	7.61	6.8	
					•		
<u> </u>	Di Ci II i						NY A
9	River Sindh at		•	•			NA NA
	Ganderbal,	NWMP monitoring sites	BOD	COD	pН	DO	
	Srinagar						
		a)Sanctioned location (3286)	1.8	18.7	7.57	9.0	
							_
1							

- (XIV) Ground water regulation: Information update awaited from Jal Shakti Dept.
- (XV) Good irrigation practices being adopted by the State: Information update awaited from Jal Shakti Dept.

#### (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.

(XVII) Demarcation of Floodplain and removal of illegal encroachments: Information update awaited from Jal Shakti Dept. and Revenue Dept.

(XVIII) Maintaining minimum e-flow of river. Information update awaited from Power Development Dept. and Jal Shakti Dept.

#### (XIX) Plantation activities along the rivers:-

S.No.	Polluted River Stretch	Area under treatment	Plantation done
1)	River Devak Udhampur	100 hectare	Catchment Area Treatment approved under CAMPA, plantation to be taken up during the current year, soil conservation works completed
2)	Banganga , Holy Stream, Katra	100 hectare	Catchment Area treated with afforestation and soil conservation works in 100 hectares of area under CAMPA
3)	River Tawi , Jammu	200 hectare	Catchment Area Treatment done by plantation of <b>0.34</b> lac trees treating 200 hectare for the Polluted River Stretch.
4)	River Basanter, Samba	100 hectare	Catchment Area Treatment done by plantation of <b>0.032</b> lac trees and soil conservation works for the Polluted River Stretch
5)	River Chenab at Akhnoor	200 hectare	Catchment Area Treatment done by plantation of <b>0.40</b> lac trees treating 200 hectare with soil conservation works for the Polluted River Stretch
6)	River Chuntkol ( A tributary of Jhelum)	A part of river Jehlum Catchment Area Treatment proposal	Catchment Area Treatment approved under CAMPA, shall be taken up during the current year
7)	River Gawkadal (A tributary of Jhelum)	A part of river Jehlum	Catchment Area Treatment approved under CAMPA, shall be taken up during the current year

		Catchment Area	
		Treatment	
		proposal	
8)	River Jhelum at Srinagar (Anantnag to Chhatabal Weir)	300 hectare	Catchment Area Treatment done by plantation, treating 15 hectare area for the Polluted River Stretch, along with soil conservation works.
9)	River Sindh at Ganderbal , Srinagar	100 hectare	Catchment Area Treatment in 100 hectare approved under CAMPA, to be taken up during the current year, soil conservation works completed

(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.

#### (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:

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)	(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.	Network work =Dec.2021 (ii)For Ghat Work =March.2021	Work of Sewer Laying , STP Zone 1st& Ghat are in Progress.
2.	Banganga, Holy Stream, Katra	(ii)	STPs=4.5MLD =1.20 MLD Total=(5.7MLD)	DPR amounting Rs.95.69Crs presently with NRCD after having been received from IIT (Roorkee) post clarification of comments/observations.	2 years after section of the project.	DPR amounting Rs. 95.69 Cr presently with NRCD after having been received from IIT (Roorkee) post clarification of comments / observations.
3.	River Tawi, Jammu	(iii)	STP=10MLD	DPR amounting Rs.41.84 Cr submitted to <b>NRCD</b> for consideration/release of funds vide letter no. HUD /Plan/16/2019/SP Dated: 11.12.2020.	2 years after section of the project.	DPR for Pollution abatement of river tawi (right bank) at Jammu city (J&K) amounting Rs.41.84 Cr submitted to NRCD for

						consideration/release of funds vide letter No. HUD/Plan/16/2019/ SP dated 11.01.2020
4.	<u>Jhelum</u> River	(iv)	STP AnantnagTown (Phase-2 <sup>nd</sup> / 3 <sup>rd</sup> ) on SBR Technology=18 MLD Bijbehera Town=3.0MLD Awantipora=1.6MLD. Pampore=2.7MLD	DPR under preparation	3 years after section of the project.	

(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: Information update awaited from Geology and Mining, Industries and Commerce Dept. JK Govt.

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

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

Sr. No	Agency	Penalty	EC Order No./ Date
1	CEO, MC Udhampur	Rs. 1,39,00,000/-	25 PCB of 2019, Date: 21/11/2019
2	Executive Officer, MC Ramban	Rs. 12,88,000/-	32 PCB of 2020, Date: 10/09/2020
3	Hotel Meridian, Panthal Road, Katra	Rs. 56,142/-	34 PCB of 2020, Date: 02/11/2020
4	<b>Executive Officer, MC Sopore</b>	Rs.1,30,46,000/-	36 PCB of 2020, Date: 24/11/2020
5	SMGS Hospital, Jammu	Rs.18,28,000/-	37 PCB of 2020, Date: 29/12/2020
6	Hotel Maharaja, Patnitop, Udhampur	Rs. 52,660/-	38 PCB of 2020, Date: 30/12/2020

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7	M/s Attar Logistics, Transport Nagar, Jammu	Rs. 25,000/-	39 PCB of 2021, Date: 06/01/2021
8	Hotel Patnitop, Chenani, Udhampur	Rs. 46,800/-	40 PCB of 2021, Date: 12/01/2021
9	Hotel Kings, Banganga, Katra	Rs. 22,436/-	42 PCB of 2021, Date: 21/01/2021
10	Hotel Krishna Plaza, Rajinder Bazar, Jammu	Rs.4, 524/-	43 PCB of 2021, Date: 05/02/2021
	T		
11	<b>Executive Officer Municipal Committee</b>	Rs. 64,21,000/-	45 PCB of 2021, Date: 09/02/2021
	Bandipora	163. 04,21,000/	45 1 CB 01 2021, Date: 07/02/2021
12	M/s Hotel holy Shrine Dak Banglow, Road	Rs. 2,873/-	46 PCB of 2021, Date: 15/02/2021
	Katra, Reasi		,
13	M/s ASCOMS Hospital Sidhra, Jammu	Rs.1,37,34,800/-	47 PCB of 2021, Date: 15/02/2021
14	M/s Hotel Montreal Shalimar Srinagar	Rs. 9,660/-	Amount deposited dt. 22.02.2021
15	M/s Hotel Maa Balganga Road, Katra	Rs. 9,476/-	48 JK PCB of 2021, Date: 10/03/2021
16	M/s National Highway Authority	Rs. 2,00,00,000/-	50 JK PCB of 2021, Date: 24/03/2021
17	M/s Hotel Baisaran Pahalgam, Anantnag	Rs. 6,855/-	51 JK PCB of 2021, Date: 29/03/2021

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