



Government of West Bengal
Department of Environment

Prani Sampad Bhawan, 5th Floor, LB-2, Sec-III, Saltlake City, Kolkata-106

No. EN/1669/3C-01/2019

Dated, Kolkata 11th December, 2020

From :: Shri Vivek Kumar, IAS
Principal Secretary
Govt. of West Bengal

To :: Shri D.P.Mathuria
Executive Director – Technical
National Mission for Clean Ganga
1st Floor, Major Dhyan Chand National Stadium
India Gate, New Delhi-110002

Sub: Monthly Progress Report – November, 2020

Sir,

Enclosed please find the present status report for the State of West Bengal as per your revised prescribed proforma for Monthly Progress Report.

It is pointed out that the data on STPs sent in our last MPR dated 19.10.2020 had erroneously included STPs of industrial townships in Asansol - Durgapur region; this factual anomaly has been addressed in this MPR.

This is for your information and necessary action.

Yours faithfully

Principal Secretary
Department of Environment

National Mission for Clean Ganga

Format for submission of Monthly Progress Report for October, 2020 in the NGT Matter O.A.No.673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of West Bengal

Overall status of the State:

- I. Total Population: Urban Population & Rural Population separately: **10.09 cr.**
(3.09 cr. Urban population & 7 cr. Rural population)
(estimated population for 2020)
Source: www.census2011.co.in
- II. Estimated Sewage Generation (MLD): **2758 MLD (Urban area)**
1400 MLD (Rural area)
- III. **Details of Sewage Treatment Plant:**
Existing no. of STPs and Treatment Capacity (in MLD): **41 (692 MLD)**
Capacity Utilization of existing STPs: **272 MLD**
MLD of sewage being treated through Alternate technology: **8 MLD**
Gap in Treatment Capacity in MLD: **412 MLD**
No. of Operational STPs: **26**
No. of Complying STPs: **8**
No. of Non-complying STPs: **33**

Details of each existing STP in the State

No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Status of STP	Compliance Status of STP
1	Jagaddal Bhatpara New	31.00	24.10	Fully operational Operation and Maintenance started since Sept.'2017,Sept.'2017, July'2018, July'2018,July' 2018, July' 2018 andSept.'2017 respectively.	Complied
2	Shyamnagar	10.00			Complied
3	Jagaddal Bhatpara old	9.50			Complied
4	Kankinara STP, Madrail, Bhatpara	10.00			Complied
5	STP Kalyani-I	11.00	19.00		Complied
6	STP Kalyani-II	10.00			Complied
7	Gayeshpur	8.33	3.20		Complied
8	Baidyabati	6.00	5.00	Due to legal grounds presently work under status quo order.Efforts are being made to disposeof the case at the earliest. A Report has been sent to NMCG on 24th Nov 2020.	Under Renovation
9	Bhadreswar	7.60	5.50		Under Renovation

No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Status of STP	Compliance Status of STP
10	Chandannagar, Khalisani, Chinsurah-Hooghly	18.16	14.50	Work under progress. Partially functional. LOI for Renovation work of the existing STP to make it fully functional has been issued on 22/06/2020. Accordingly work order has been issued on 30.06.2020. Surface Dressing of the ground in any kind of soil including removing vegetation within the Chandannagar STP zone was completed along with Field survey work.	Renovation work under progress. Likely date of completion June 2021. Progress made in October 2020. Partially completed.
11	Chandannagar, Khalisani, Chinsurah-Hooghly	4.50	4.00		
12	Bansberia	0.30	0.30	Partially Operational STPs. LOI for Renovation work of the existing STP to make it fully functional has been issued on 22.06.2020. Accordingly work order has been issued on 30.06.2020. Surface Dressing of the ground in any kind of soil including removing vegetation within the Bansberia STP zone was completed along with Field survey work.	Partially Complied. Likely date of completion May 2021
13	Konnagar	22.00	12.00	Matter presently under legal dispute in High Court. Efforts being made to resolve the matter amicably at the earliest. A Report has already been sent to NMCG on 24th November, 2020.	Partly complied
14	Naihati	11.56	7.00	Partially functional and presently under going renovation to make it fully functional. Overall Physical Progress as on 30.09.2020 is: 10% Repairing & renovation of STP-12% Repairing & renovation of MPS (2nos.) and LS (1no.)-10% Cleaning, repairing & renovation of network-10% Repairing & renovation of diversion structure-2%. The work was disrupted during the Nation wide lock down for nearly	Partially Complied. Likely date of completion May 2021

No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Status of STP	Compliance Status of STP
				3months and has just recommenced.	
15	Titagarh	4.50	4.0	Partially Operational STPs. Presently under going renovation to make it fully functional. Overall physical progress as on 31.10.2020 is :58% comprising Repairing & renovation of STP-65% Repairing & renovation of MPS (1 no.) and LS (3nos.)-35% Cleaning, repairing & renovation of network- 10% Repairing & renovation of Diversion structure-50% The work was disrupted during the Nationwide lock down for nearly 3 month sand has just recommenced.	Under renovation. Likely date of completion May 2021.
16	Titagarh	4.50	4.5		Likely date of completion May 2021
17	Bandipur (Khardaha)	14	-	Non-functional STPs, but under Renovation. Overall physical Progress as on 31.10.2020: 25% comprising Repairing& renovation of STP-20% Repairing & renovation of MPS (1no.)-10% Cleaning, repairing & renovation of network-40% The work was disrupted during the Nationwide lock down for nearly 3 months and has just commenced.	Under renovation. Likely date of completion March,2021.
18	Champadani	1.00		As per the direction of the Hon'ble high court, Calcutta against W.P.A. 8430 of 2020 all the admissible dues borne on the part of agency has already been cleared and the concerned writ has been disposed of. The agency has accepted the measurements and payment and submitted and no demand undertaking. The Security deposit in form of BG is already released and 2nd call of the tender has already been invite don	Under Renovation. Likely date of completion June 2021

No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Status of STP	Compliance Status of STP
				26/11/2020.Last date of bid Submission on 28/12/2020.	
19	Garulia	7.90		Non-functional and presently undergoing renovation to make it fully functional. Overall physical progress as on 31.10.2020:29% comprising Repairing & renovation of STP-40% Repairing & renovation of MPS (1nos) and LS (1 no.)-15%, Repairing & renovation of network-30%,Repairing & renovation of Diversion structure-2%	Under Renovation. Likely date of completion May 2021.
20	Naihati	6.50		Non-functional and presently Undergoing renovation to make it fully functional. Overall physical progress as on 31.10.2020 :20% comprising Repairing & renovation of STP-23%, Repairing & renovation of MPS (2nos)-20%, Repairing & renovation of network- 15%, Repairing & renovation of Diversion structure-2%	Under Renovation.Likely date of completion May 2021.
21	Panihati	12.00	-	Non-functional and presently undergoing renovation to make it fully functional. Overall physical progress as on 31.10.2020: 8% comprising Repairing & renovation of STP-23%, Repairing & renovation of MPS (1nos) and LS(3no.)-10%, Repairing & renovation of network-10%. The work was disrupted during the Nationwide lock down for nearly 3 months and has just recommenced.	Under Renovation. Likely date of completion May 2021
22	Serampore	18.60	-	As per the direction of the Hon'ble high court, Calcutta against W.P.A. 8430 of 2020, all the admissible dues borne on the part of agency has already been cleared and the concerned writ has	Under Renovation. Likely date of completion June 2021

No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Status of STP	Compliance Status of STP
				been disposed of. The agency has accepted the measurements and payment and submitted and no demand undertaking. The Security deposit in form of BG is already released and 2nd call of the tender has already been invited on 26/11/2020. Last date of bid submission on 28/12/2020.	
23	Balli (Kona)-Kona, Chakpara (Anandanagar gram Panchayet)	62.00		Financial Closure Status- NMCG has established bank account in the name of M/SNMCG Howrah STP ESCROW ACCOUNT (Account No:344902010108587, IFSC Code:UBIN0534498), which shall bear interest bearing, no lien account, denominated in Indian rupees for the benefit of the Concessionaire (The Escrow Account) Site progress- Handing over procedure of Proposed site is under progress. Design vetting- Presently under observation of IIT, Kharagpur. Interception and Diversion planning status- Right now it is under preparation by the concessionaire and will be submitted within short period of time.	Under Renovation. 30 months from Financial closure
24	Howrah-Arupara	65.00	-	Financial Closure Status- NMCG has established bank account in the name of M/SNMCG Howrah STP ESCROW ACCOUNT (Account No:344902010108587, IFSC Code:UBIN0534498), which shall bear interest bearing, no lien account, denominated in Indian rupees for the benefit of the Concessionaire (The Escrow Account) Site progress- Handing	Under Renovation. 30 months from Financial closure.

No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Status of STP	Compliance Status of STP
				over procedure of Proposed site is under progress. Design vetting- Presently under observation of IIT, Kharagpur. Interception and Diversion planning status- Right now it is under preparation by the concessionaire and will be submitted within short period of time.	
25	Kamarhati - Baranagar - Kamarhati, Mathkol, near Belgachia Metro Car Shed	60.00	-	Financial Closure Status- NMCG has established bank account in the name of M/SNMCG Howrah STP ESCROWACCOUNT (Account No: 344902010108587, IFSC Code:UBIN0534498), which shall bear interest bearing, no lien account, denominated in Indian rupees for the benefit of the Concessionaire (The Escrow Account) Site progress- Handing over procedure of Proposed site is under progress. Design vetting- Presently under observation of IIT, Kharagpur. Interception and Diversion planning status- Right now it is under preparation by the concessionaire and will be submitted within short period of time.	Under Renovation. 30 months from Financial closure
26	Bangur	52	26	Operational	Partially complied
27	Garden Reach	57	53.38	Operational	Partially complied
28	Keorapukur	45	36	Operational	Partially complied
29	Baghajatin	15	14.25	Operational as oxidation pond	Partially complied
30	Hatisur	10	8	Operational	Partially complied
31	Nabadwip Municipality, Nadia	10	6.72	Operational	Partially Complied
32	Katwa Municipality, Purba Burdwan	4.36	2.36	Operational	Partially Complied
33	Diamond Harbour Municipality	2.03	0.2	Operational	Partially Complied
34	Murshidabad Municipality	1.96	0.24	Operational	Partially Complied

No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Status of STP	Compliance Status of STP
35	BerhamporeMurshidabad	3.7	-	Non-Operational	Not Complied
36	Jiagunj Azimgunj Takia Oxidation Pond	1.39	0.95	Partially Operational as Oxidation Pond. Joint inspection made by MED and ULB. Latest water quality report sought. Civil estimate received, EM estimate is awaited from KMDA.	Partially Complied
37	Jiagunj Azimgunj Takia Oxidation Pond				
38	Mahananda Left Bank, Siliguri	15	-	Non-Operational. DPR submitted for Civil and Electrical to KMDA for vetting	Not Complied
39	Jorapani & Fuleswari River, Siliguri	24	-	Non-Operational. DPR submitted for Civil and Electrical to KMDA for vetting	Not Complied
40	Kestopur	27.24	18	Operational	Partially Complied
41	Digha Sankarpur DevelopmentArea	6.7	3	Operational	Complied

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Joka	45	Physical progress: 10% Work under progress	Trunk sewers are being laid.	March 2022
2	M.G. Road	40	Physical progress: 12% Land development, chlorination building & boundary wall under progress	Trunk sewers are being laid.	March 2022
3	Budge-Budge	9.33	Overall physical progress achieved as on 30.09.2020 is 93.8% . 1. Total work done for HDPE pipeline: 12 M. 2. Total work done for Jack pushing : 100 M. 3. HDD : 130 M	Fund allotment status for House to House Connections-allotment of 13,200 nos. households of Rs. 16, 96,17,307.00 received from the State Govt. Fund allocated to the municipality to immediately start the tender process.	December, 2020
4	Barrackpore	18.00	Overall physical progress achieved as on 31.10.2020 is 90.5% . Work for D.G, Panel, Diffuser, Blower charging is under progress to synchronize the system.	Fund allotment status for House to House Connections-allotment of 35000 nos.house holds of Rs. 42, 78,50,500.00 received from the State Govt. Fund allocated to the	December, 2020

No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
				municipality to immediately start the tender	
5	Barrackpore	6.00	Overall physical progress achieved as on 31.10.2020 is 90.5% . Trial run started with D.G.	Fund allotment status for House to House Connections-allotment of 35000 nos. households of Rs. 42,78,50,500.00 received from the State Govt. Fund allocated to the municipality to immediately start the tender process.	December, 2020
6	Halisahar	16.00	Overall physical progress achieved as on 31.10.2020 is 94.85% . 1. For STP work: 99% 2. Pumping Station: 94.05%	Fund allotment status for House to House Connections-allotment of 32,686 nos. households of Rs. 43,47,56,486.00 received from the State Govt. Fund allocated to the municipality to immediately start the tender process.	May, 2021
7	Kanchrapara	18.00	Overall physical progress achieved as on 31.10.2020 is 17% . 1. Construction of STP- 12%	Execution of I&D structure is under progress and there no provision of house sewer connection in the scope of the work	November, 2021
8	New Town, Rajarhat Action Area- III E	24	98%, Commission awaited after 3 rd party inspection.	There is a community sewage system which is supposed to transport the sewage to the plant.	December, 2020
9	Tarapith	4.25	22%	Provision of only. Institutional Connection(90%)	May, 2021
10	Ghusighata	170	0%	NA	May, 2022
11	Nabadwip	9.50	Overall physical progress achieved as on 31.10.2020 is 53%.	Execution of I&D structure is under progress and there no provision of house sewer connection in the scope of the work	June, 2021
12	Baharampore	3.50	Survey Work for Sewerage Network is in progress .The survey and design work for setting up STP will start after the finalization of alternative land is under process or after getting the present land free from local disturbances. The work was disrupted during the Nationwide	I&D structure work has not yet started and there is no provision of House sewer connection.	May, 2022.

No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
			lock down for nearly 3 months and has just recommenced.		
13	Raghunathganj	5.00	Design of Network Design is under process. The process of handing over the STP site is inprogress. The work was disrupted during the Nationwide lock down for nearly 3 months and has just recommenced.	I&D structure work has not yet started and there is no provision of House sewer connection.	May, 2022.
14	Jangipur	8.00	Sewerage Network design submitted and approved and laying of sewer line about 800m length completed till date. Design of STP is inprogress and the site clearance work of STP Site is ongoing. The work was disrupted during the Nationwide lock down for nearly 3 months	I&D work just started but there is no provision of House sewer connection in the scope of work.	May, 2022.

Details of proposed STPs in the State

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
1	Wireless Park	15.3	Bid Opening date of Tolly's Nullah Project has been extended till 10/12/20	30 months for from date of contract agreement.
2	Sukhapukur	5.06		
3	Birji Road	5.7		
4	L.S.10	16	Proposed under Municipal Waste Water Project Budgetary estimate is of about Rs. 1211.61 Crore. Draft DPR for Consultancy Work submitted to NMCG for approval(Soft copy sent on 14th Sept & hard copy sent on 1st October 2020).	52 months from the date of issuance of work order.
5	Dhankheti Nikashi	25		
6	Bhanga Khal, Garden Reach	35		
7	Rania	23	Under tendering	February 2023
8	Borough-XII	70	To be finalized based on implementation of future loan or from own resources of KMC.	Not yet finalized.
9	Sreenathpur	4	At 4th call under Tendering. Last date of bid submission 02/12/2020. At Ranaghat on Churni river.	December, 2022
10	Chaitanyaghat	5.2		
11	Silver Jubilee Road	2.6		
12	Maheshtala	35.00	Bid evaluation is under process	24 months from Financial closure
13	Hooghly-Chinsurah	26.50	Tender has already been floated. Technical bid open on 30.12.2020	18 month after signing of form of contract.

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
14	North-Barracpore	11.25	Presently under DPR Stage. Compliance of NMCG's observations is under process.	
15	North-Barracpore	6.5		
16	Dhuliyān	5.68	No Participants found in first call in DPR Preparation work. 2nd Call uploaded on 02.09.2020, opening 07 / 10 / 2020. Timeline for Preparation of DPR- February-2021	
17	Kalna	2.99	2nd call invited on 29 / 09 / 2020, Opening- 10 / 11 / 2020. Timeline for Preparation of DPR- February-2021	
18	Santipur	16.60	Technical Bid opened on 10.08.2020 and sent to Quotation Inviting Committee(ACE(S), M.E.Dte.). No Valid Document found and hence Re-Tender may be invited by SE(East Circle) Timeline for Preparation of DPR- February-2021	
19	Chakdah	5.06	Technical Bid opened on 10.08.2020 and sent to Quotation Inviting Committee(ACE(S), M.E.Dte.). No Valid Document found and hence Re-Tender may be invited by SE(East Circle) Timeline for Preparation of DPR- February-2021	
20	Haldia	24.29	Tender Invited on 12.08.2020. Less than 3 bidders in 1 st call, 2nd call invited on 29.09.2020. Timeline for Preparation of DPR- February-2021	
21	Raiganj	10.52	No Participants found in first call in DPR Preparation work. 2nd Call uploaded on 02.09.2020, opening 07 / 10 / 2020. Timeline for Preparation of DPR- February-2021	

Note:

- 1 900 MLD of sewage is treated by the East Kolkata Wetlands by natural process.
- 2 One STP at Bardhaman under KMDA is under DPR Stage.
- 3 For River Barakar & Damodar within Durgapur-Asansol Planning area under ADDA, Treatment Capacity of STP is calculated at 261.80 MLD(Projection for 5 years). It is under DPR Stage, survey for available Land for installation of STP is in progress.
- 4 Department of UD & MA has given suitable instructions to all the Executing Agencies to take up the work of installation of OCEMs at the STPs on priority basis & to complete it by Feb 2021. The Department has also sought clarification regarding Funding of this work from NMCG. The matter is pending for decision before them till now.

IV. Details of Industrial Pollution:

- No. of industries in the State: **16259 Nos.**
(Red Category-3927 Nos., Orange Category-12332 Nos.)
- No. of water polluting industries in the State: **454 Nos.**

- Quantity of effluent generated from the industries in MLD: **(GPIs-54 Nos., SPIs-400 Nos.) 1360.60 MLD**
 - Quantity of Hazardous Sludge generated from the Industries in TPD: **90 TPD**
 - Number of industrial units having ETPs: **454 Nos.**
 - Number of industrial units connected to CETP: **(GPIs-54 Nos., SPIs-400 Nos.) 345 Nos. tanneries**
 - Number and total capacity of ETPs (details of existing / under construction / proposed): **1360.60 MLD**
 - Compliance status of the ETPs: **Complying**
 - Number and total capacity of CETPs (details of existing / under construction / proposed) :
- Location of CETP – Bantala Leather Complex Kolkata**
Existing CETP Capacity – 20 MLD (4 modules each of 5 MLD)
CETP Proposed - 20 MLD (4 modules each of 5 MLD) [under construction]
- Status of compliance and operation of the CETPs

Town	No. of industries	Industrialdischarge	Status of CETPs	Status of CETPs (existing, under construction & proposed)
Bantala Leather Complex Kolkata	345	19.9 MLD	Complying	Existing 20 MLD (4 modules each of 5 MLD)

V. Solid Waste Management:

• Total number of Urban Local Bodies and their Population	125 (20905615)
• Current Municipal Solid Waste Generation	13709.412 (TPD)
• Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bio-methanation, MRF etc.	18 nos (1778 TPD)
• Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	11930 TPD
• No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	Setting up of one plant of capacity 1000 TPD is in progress.
• Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source	2645 wards (90%) 588 wards (20%)
• Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Cluster-1 Project. at Promodnagar site. 450 TPD CP & RDF, 100 TPD bio methanation plant. At Kamarhati 180 TPD CP&RDF.
• No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.	107 nos for 92 ULBs (754.21 acre)
• No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	1 (3.2 acre) Naihati
• No. of drains falling into rivers and no. of drains having floating racks / screens installed to prevent solid waste from falling into the rivers	402 (400)

Status of ULB wise Management of Solid Waste

Sl. No.	Name of ULBs	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
1	Alipurduar	35.65				Setting up of Compost Plant (CP) / Bio methanation / Material Recovery Facility (MRF) / Sanitary Landfill (SLF) as per SWM Rules, 2016 are in progress and expected completion timeline is December, 2021
2	Arambagh	30.25				
3	Asansol MC	654				
4	Ashoknagar-K_garh	79.65				
5	Baduria	13.62				
6	Baidyabati	68	48	CP	48	
7	Balurghat	75				
8	Bankura	75				
9	Bansberia	39				
10	Baranagar	150				
11	Barasat	130				
12	Barddhaman	140				
13	Barrackpore	50				
14	Baruipur	17				
15	Basirhat	29				
16	Beldanga	17.75				
17	Berhampore	90				
18	Bhadreswar	23				
19	Bhatpara	205	78	CP	78	
20	Bidhan Nagar MC	400				
21	Birnagar	16.77				
22	Bishnupur	59.2				
23	Bolpur	45.44				
24	Bongaon	65				
25	Budge Budge	40				
26	Buniadpur	30				
27	Chakdah	54.12				
28	Champdany	19	19	CP	19	
29	Chandannagore MC	55.5				
30	Chandrakona	7.8				
31	Contai	45				
32	Cooch Behar	45.69				
33	Cooper's Camp	13.86				
34	Dainhat	48.51				
35	Dalkhola	8.22				
36	Dankuni	25				
37	Darjeeling	55.11				

Sl. No.	Name of ULBs	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
38	Dhulian	46.42				
39	Dhupguri	11				
40	Diamond Harbour	18				
41	Dinhata	20				
42	Domkal	100				
43	Dubrajpur	47.87				Setting up of Compost Plant (CP) / Bio methanation / Material Recovery Facility (MRF) / Sanitary Landfill (SLF) as per SWM Rules, 2016 are in progress and expected completion timeline is December, 2021
44	Dum Dum	62.1				
45	Durgapur MC	402.63				
46	Egra	19				
47	English Bazar	190				
48	Gangarampore	30.56				
49	Garulia	35				
50	Gayeshpur	60				
51	Ghatal	26.52				
52	Gobardanga	17.7				
53	Gushkara	26				
54	Habra	72				
55	Haldia	80	70	CP + MRF	70	
56	Haldibari	4				
57	Halisahar	52				
58	Haringhata	0.01				
59	Hooghly Chinsurah	80				
60	Howrah MC	910	60	CP	60	
61	Islampur	21.73				
62	Jainagar-Mazilpur	18	6.2	WTE	6.2	
63	Jalpaiguri	55				
64	Jangipur	40				
65	Jhalda	7.56				
66	Jhargram	44				
67	Jiaganj-Azimganj	20.53	3	MRF	3	
68	Kaliaganj	59				
69	Kalimpong	38.085	16	MRF+ BM	16	
70	Kalna	27.72				
71	Kalyani	58				
72	Kamarhati	160				
73	Kanchrapara	56.71				
74	Kandi	25.34				
75	Katwa	40				
76	Kharagpur	114.6				
77	Kharar	4.1				

Sl. No.	Name of ULBs	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
78	Khardah	64.5				
79	Khirpai	5.92				
80	Kolkata MC	4500	1207.7	CP + MRF	1207.7	
81	Konnagar	32	5.5	CP + MRF	5.5	
82	Krishnanagar	130	130	CP	130	
83	Kurseong	11				
84	Madhyamgram	58				
85	Maheshtala	184	8.2	CP	8.2	
86	Mal	14	0.5	CP	0.5	
87	Mathabhanga	9.79				Setting up of Compost Plant (CP) / Bio methanation / Material Recovery Facility (MRF) / Sanitary Landfill (SLF) as per SWM Rules, 2016 are in progress and expected completion timeline is December, 2021
88	Mekliganj	4.69				
89	Memari	14.53				
90	Midnapore	87.3				
91	Mirik	4.2				
92	Murshidabad	30				
93	Nabadwip	53.98				
94	Naihati	100				
95	Nalhati	32				
96	New Barrackpore	29.8				
97	North Barrackpore	59				
98	North Dum Dum	165				
99	Old Malda	27.13				
100	Panihati	193				
101	Panskura	24.18				
102	Pujali	15.6				
103	Purulia	60.6				
104	Raghunathpur	11.43				
105	Raiganj	90				
106	Rajpur-Sonarpur	170	1.1	MRF +BM	1.1	
107	Ramjibanpur	7.55				
108	Rampurhat	105				
109	Ranaghat	25.89				
110	Rishra	50	5	CP	5	
111	Sainthia	32				
112	Santipur	65.22				
113	Serampore	90	10	CP	10	
114	Siliguri MC	380	70	CP	70	
115	Sonamukhi	11.7				
116	South Dum Dum	372				

Sl. No.	Name of ULBs	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
117	Suri	60				
118	Taherpur	0.45				
119	Taki	21.75				
120	Tamralipta	15				
121	Tarakeswar	13.16				
122	Titagarh	65				
123	Tufanganj	14.23				
124	Uluberia	50				
125	Uttarpara Kotrung	90.66	40	CP + MRF	40	
TOTAL		13708.585	1778.2	Total	1778.2	

Note:-CP-Compost Plant, MRF - Material Recovery Facility, BM- Bio-methanation, WTE- Waste to Energy

VI. Bio-medical Waste Management:

- Total Bio-medical generation: **41571.4 kg / day**
- No. of Hospitals and Health Care Facilities: **8509 Nos.**
- Status of Treatment Facility / CBMWTF:
Six CBMWTF are operating in the State with treatment capacity of 1,40,000 bed

VII. Hazardous Waste Management:

- Total Hazardous Waste generation: **157846.80 MTA**
- No. of Industries generating Hazardous waste: **809 Nos.**
- Treatment Capacity of all TSDFs:
 - Land fill capacity = 1,20,000 MTPA**
 - Land fill after treatment = 60,000 MTPA**
 - Incineration = 10,000 MTPA**
 - Storage area = 30,000 MTPA**
 - Alternate Fuel & Resource Facilities (AFRF) = 2,00,000 MTPA**
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated **35,684.48 MT & 41,630.79 MT**
- Details of on-going or proposed TSDF:
One CHWTSDF has been set up at Saltora, Bankura, West Bengal. But yet to commission.

VIII. Plastic Waste Management:

- Total Plastic Waste generation: **around 300236.12 MT / Year (approx.)**
- Treatment / Measures adopted for reduction or management of plastic waste:
Recycling of waste plastic (process involves waste plastic collection sorting, cleaning (Washing & Drying) extruder, lump / granules, pack & dispatch).
- Measures taken for plastic waste reduction:
 - 1 UD & MA Dept. GoWB has framed a bye-law with respect to Plastic Waste Management (Notification No: 215(Law) /C-12/NGT/Misc – 11/2020 dated 20/3/2020). The same has been uploaded in the Official Website of

theDepartment:http://www.wburbanservices.gov.in/page/cms/ngt_notification_0758e6

- 2 Plastic carry bags are totally banned in the ecologically sensitive areas and 40 heritage / tourist sites of West Bengal 77 municipalities have banned the manufacturing, use and sale of plastic carry bags of thickness less than 50 micron and 18 municipalities banned use of single use plastic. Workshops carried out to generate awareness among different plastic waste generator and initiative taken to promote eco-friendly products as an alternative to plastic.

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

River name	Polluting drain	In-situ treatment details	MLD treated
Ganga	Jangipur	Bio / Phyto remediation treatment process as interim measure taken up for Jangipur drain. Necessary chemical dosing has been taken up periodically and as per the test result data it is apprehended the desired test result for waste water may be achieved with the present treatment process.	0.2
Churni	Basko Canal	Bio / Phyto remediation treatment process as interim measure taken up for Basko Canal. Work in progress.	4.28
	Sreenathpur Drain	Bio / Phyto remediation treatment process as interim measure taken up for Sreenathpur Drain. Necessary chemical dosing has been taken up periodically and as per the test result data it is apprehended the desired test result for waste water may be achieved with the present treatment process.	2.79
Proposed Alternate Treatment Technology to be adapted			
River name	Nos. of polluting drains	Proposed In-situ treatment details	MLD to be treated
Kansi	2	Primary treatment for Midnapore for river Kansi by providing screens, sedimentation tank, followed by disinfection by chlorination at out falls of 2 nos. of drains(although 26 nos. of drains are very small out of 28 nos. identified) is proposed. Recommendation for acceptance by Department received on 27.09.2020 and work order issued on 9/10/2020. Work will be start soon.	21.41
Mayurakshi	14	Primary treatment for river by providing screens, aeration followed by disinfection by chlorination at outfalls of 12 nos. of drains at Suri and 14 nos. at Santhia is proposed. For Suri-No land is available as all are private lands & municipality is not in a position to purchase right now. For Sainthia- Already construction work completed by ULB as per direction of DM, The Chief Engineer, MED had requested for the land at upstream & down streamside near the 14 nos. of out fall so that construction work may be carried out as per guideline of NGT, but no land is available.	Suri 4.04S ainthia- 2.68
Rupnarayan	4	Primary treatment for river by providing screens, sedimentation tank followed by disinfection by chlorination at out falls of 4 nos. of drains is proposed. Recommendation for acceptance by Department received on 27.09.2020 and work order from competent authority will be issued soon.	8.37
Jalangi	8	Primary treatment for river by providing screens, aeration followed by disinfection by chlorination at outfalls of 8 nos. of drains is proposed. Letter of acceptance issued on 10 / 08 / 2020, work order issued on 25.08.2020. Site has been handed over to Agency. Work is going on and 15% work completed.	17.45

River name	Polluting drain	In-situ treatment details	MLD treated
Silabati	4	Primary treatment for Ghatal for river Silabati by providing screens, sedimentation tank, followed by disinfection by chlorination at out falls of 4 nos. of drains is proposed. Work Order issued on 30.07.2020 but present site condition is not suitable to start any construction work due to huge accumulation of rain water at all the 4 nos. of sites. Even rivers are running at high discharge. Hence Work cannot be started until water level reduced at some Workable condition.	3.80
Dwarekeswar	13	Primary treatment for Bankura for river Dwarekeswar by providing screens, sedimentation tank followed by disinfection by chlorination at out falls of 13 nos. of drains is proposed. Work order issued on 07.08.2020. Huge amount of Rainwater has been accumulated near the construction site and hence work delayed to start, finally started on 29 / 09/ 2020	15.10
Kaljani	18	Primary treatment for Alipurduar for river Kaljani by providing screens, sedimentation tank, followed by disinfection by chlorination at out falls of 18 nos. of drains is proposed. Work order issued on 03.07.2020 and work has started. Cleaning and cutting of bushes are in progress.	9.33
Korala	47	Primary treatment for Jalpaiguri for river Karola by providing screens and aeration arrangement at out falls of 47 nos. of drains is proposed. Work order issued on 02 / 07 / 2020 and work has started. Cleaning and cutting of bushes are in progress.	12.81
Ganga	22	S&SWM sector KMDA has been entrusted to find out alternative treatment method for 22 Nos. of drain directly discharging to river Ganga where adoption of Bio / Phyto-remediation is not possible as because they are situated in the tidal influence zone. S&SWM sector has already floated e-NIQ No.: 04 / SE(NC) / S&SWM / W&S / KMDA of 2020-2021 dated:27.07.2020. and the proposal of the lowest bidder has been accepted by the competent authority of KMDA. After issuance of LOI DPR will be prepared in this regard.	

- X. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment: **56 Drains have been identified as discharging directly into Ganga. Out of these 22 drains could not be connected to any existing or proposed STPs as mentioned earlier.**
- XI. Details of Nodal Officer appointed by Chief Secretary in the State /UT:
Principal Secretary, Department of Environment, Government of West Bengal
- 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: **Annexure-A attached.**

XIV. Ground water regulation:

River	Groundwater regulation
Vidyadhari	- Groundwater extraction is regulated according to West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005 by SWID,GoWB. - Water meter without telemetry system is installed at industrial tube well permitted by SWID. - Groundwater Resources Estimation and Assessment (2016-2017) is done as per GEC'97guidelines. - Groundwater level (GWL) monitoring is done periodically four times a year (Jan, April, Aug & Nov). A few manual GW Level Monitoring stations is converted to Real-Time GW Level Monitoring stations by installation of Digital Water Level Recorder(DWLR).
Mathabhanga	GWL database for Aug'20 (monsoon) has been generated. - All are "safe" categorized block along polluted stretches of Vidyadhari, Dwarka and Mathabhanga River except the following Block. Dwarka river stretch: <i>Semi-Critical-</i> Rampurhat-II (Birbhum dist.) Mathabhanga river stretch: <i>Semi-Critical-</i> Deganga (North 24 Parganas dist.) - Periodic groundwater sampling for its Physio-chemical tests is done twice a year (April & Nov).
Dwarka	- Water meter without telemetry system is installed at industrial tube well permitted by SWID. - Groundwater Resources Estimation and Assessment is done as per GEC'97guidelines. - Groundwater level (GWL) monitoring is done periodically four times a year (Jan, April,Aug & Nov). GWL database for Aug'20 (monsoon) has been generated. - All are "safe" categorized blocks along polluted stretch of Damodar and Barakar river. - Groundwater sampling for its Physio-chemical tests is done twice a year (April & Nov).GW quality tests for April'20 are in progress.
Damodar	
Barakar	
Ganga	Groundwater regulation: - Installation of Water Meter with telemetry system at industrial Tube Wells for monitoring of real-time GW withdrawal is in progress. - Implementation of Real-Time GW Level monitoring system is inprogress. Ground water monitoring: GW Level database for Aug'20 (monsoon) against 136 GW monitoring stations under the blocks along polluted stretch of River Ganga has been generated. GW Monitoring Stations (136)= 92 (Manual) + 44 (Real-Time) - Physio-chemical tests for 67 GW samples collected during Pre-mosoon'20 period, from or nearby GW monitoring stations under the blocks along polluted stretch of river Ganga have been completed partially.
Churni	Groundwater regulation: - Water meter without telemetry system is installed industrial tube well. - Physio-chemical quality of groundwater samples collected from GW monitoring wells during pre-monsoon and post-monsoon period is tested every year. Groundwater monitoring: - GW Level database for Aug'20 (monsoon) against 52 GW monitoring stations under the blocks along polluted stretch of River Churni has been generated. GW Monitoring Stations (52)=42 (Manual) + 10 (Real-Time) - Physio-chemicaltestsfor52GWsamplescollectedduringPre-mosoon'20period,fromor nearby GW monitoring stations under the blocks along polluted stretch of river Churni have been completed partially.

River	Groundwater regulation
Kansi	- Water meter without telemetry system is installed at industrial tube well permitted by SWID. - Groundwater Resources Estimation and Assessment (2016-2017) is done as per GEC'97 guidelines. - Groundwater level (GWL) monitoring is done periodically four times a year (Jan, April, Aug & Nov). A few manual GW Level Monitoring stations is converted to Real-Time GW Level Monitoring stations by installation of Digital Water Level Recorder (DWLR). GWL database for Aug'20 (monsoon) has been generated. - All are "safe" categorized block along polluted stretches of Kansi, Mayurakshi, Rupnarayan, Jalangi River except the following Blocks. Kansi River Stretch: <i>Semi-Critical-</i> Keshpur, Debra (Paschim Medinipur Dist) <i>Critical-</i> Panshkura (Purba Medinipur dist.) Mayurakshi River Stretch: <i>Semi-Critical-</i> Suti-I (Murshidabad dist.), Labhpur (Birbhum dist.) Jalangi River Stretch: <i>Semi-Critical-</i> Berhampur, Nowda (MurshidabadDist), Tehatta-II, Chapra (Nadia dist.) <i>Critical-</i> Domkal (Murshidabad dist.), Karimpur-II, Tehatta-I, Nakashipara, Krishnagar-II, Krishnagar-I (Nadia dist.) Groundwater sampling for its Physio-chemical tests is done twice a year (April & Nov).
Mayurakshi	
Rupnarayan	
Jalangi	
Silabai	Groundwater regulation: - Water meter without telemetry system is installed at industrial tube well permitted by SWID. - Groundwater Resources Estimation and Assessment (2016-2017) is done as per GEC'97 guidelines. - Groundwater level (GWL) monitoring is done periodically four times a year (Jan, April, Aug & Nov). A few manual GW Level Monitoring stations are converted to Real-Time GW Level Monitoring stations by installation of Digital Water Level Recorder DWLR). GWL database for Aug'20 (monsoon) has been generated. - All are "safe" categorized block along polluted stretches of Silabati, Darakeswar, Kaljani and Karola river. - Groundwater sampling for its Physio-chemical tests is done twice a year (April & Nov).
Dwarekeswar	
Kaljani	
Karola	
Mahananda	Groundwater regulation: - Groundwater extraction is regulated according to West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005. - Water meter without telemetry system is installed at industrial tube well permitted by SWID. - Groundwater Resources Estimation and Assessment (2016-2017) is done as per GEC'97 guidelines. - Groundwater level (GWL) monitoring is done periodically four times a year (Jan, April, Aug & Nov). A few manual GW Level Monitoring stations is converted to Real-Time GW Level Monitoring stations by installation of Digital Water Level Recorder (DWLR). GWL database for Aug'20 (monsoon) has been generated. - All are "safe" categorized blocks along polluted stretch of Teesta and Mahananda river. Groundwater sampling for its Physio-chemical tests is done twice a year (April & Nov).
Teesta	

XV. Good irrigation practices being adopted by the State:

River	Stretch of the river	Good irrigation practices
Dwarka	Tarapith to Sadhak Bamdeb Ghat	A command area of 6735 ha in Rampurhat-II block is irrigated by the canal system of Mayurakshi barrage project belonging to I&W Department. At present a major canal renovation work of the Mayurakshi Reservoir Project for a total length of 67 km. is going on since 2018-19 which inter alia includes the canal system of length of 19km in Rampurhat-II block also with a target completion in March-2021.
Ganga	Tribeni to Diamond Harbour	By diverting tidal water through the sluices on the bank of the river irrigation is provided at (a)Mograh-I & II,Mandirbazar, Diamondharbour-I & II through Diamond Harbour Canal system (1500 ha), at Budge Budge-I & II blocks, Bishnupur-I & II blocks through Charial Canal (1580 ha) Uluberia, Shyampur, Bagnan-I and Bagnan-II blocks. Through Rajapur Canal, Purana canal, Chandanpara canal and Nakal canal (1500 ha). Repair of sluices and Canal system is taken up as and when required.
Kansi	Midnapore to Ramnagar	Irrigation is provided at Kharagpur-II and Debra blocks through Medinipur Main Canal System originating from Medinipur Anicut. This canal system along with Medinipur structure has been rehabilitated recently which also includes the canal system in Medinipur, Kharagpur-I and Debra blocks. As a result irrigation has been started in these areas after a decade.
Dwarekeswar	Along Bankura	Irrigation is provided in Onda block from the canal system of Kangsabati Reservoir Project. Moreover there are four medium and minor irrigation schemes in Bankura-I and Onda blocks namely Niada (405ha), Birai (2700 ha), Horajore (80 ha) and Abarda (80 ha) through which 3265 ha area is irrigated. The canal system of the aforesaid schemes and the regulating structure has undergone major rehabilitation during last two years.
Kaljani	Bitala to Alipurduar	Irrigation is provided at 1000 ha of area in Kalchini block through 2 minor surface irrigation schemes on streams out falling into Kaljani river.
Karola	Jalpaiguri to Thakurer Kamat	A command area of 24385 ha in Rajganj block is irrigated through the canal system of Teesta Barrage Project.
Mayurakshi	Suri to Durgapur	A command area of 1196 ha in Suri-I block is irrigated through the canal system of Mayurakshi Reservoir Project.
Rupnarayan	Kolaghat to Benapur	Areas of different blocks are irrigated from tidal water through the sluice and canals belonging to I& W Department like in Amta-II (4807ha), SahidMatangini (3765 ha), Bagnan-I (2024 ha),Bagnan-II (1518 ha)and Shyampur-I & II (8805 ha).
Teesta	Siliguri to Paharpur	Command areas of 24385 ha in Rajganj block, 5080 ha in Mal block,400 ha in Maynaguri block and 14760 ha in Jalpaiguri Sadar block are irrigated through the canal system of Teesta Barrage Project.

XVI. Rain Water Harvesting:

River	Roof Top Rainwater Harvesting and Reuse and / or Artificial Recharge to Groundwater
Damodar	1 in Kanksa Block is in progress.
Barakar	
Ganga	1)Barrackpur-II Block-2 (in progress) 2)KMC- 2 (existing) & 3 (in progress) 3)Diamond Harbour-I Block- 1 (existing) 4)Diamond Harbour-II Block- 1 (existing)
Churni	Hanskali- 5 (existing)

XVII. Demarcation of Floodplain and removal of illegal encroachments:

River	Demarcation of flood plain, removal of illegal encroachments from embankments and protection and management of flood
Vidyadhari	There is no illegal encroachment on the river embankments. Total 2.30 km bank protection works amounting Rs. 11.70 Crore will be taken up at right bank of river Vindhadhari during 2020-21.
Mahananda	There is no embankment on either side of the river in this stretch. Bank protection works are taken up as and when required to protect the adjoining areas. 1.40 km bank protection work amounting Rs. 3.58 Crore is under running by which 18900 people under 112 Ha areas may be benefitted. 3.00 km bank protection work amounting Rs. 8.53 Crore will be taken up during 2020-21, by which 32000 people under 465 Ha areas may be benefitted.
Churni	There is no embankment on either side of the river in this stretch. Bank protection works are taken up as and when required to protect the adjoining areas. 0.5 km bank protection work of Rs. 1.56 Crore will be taken up during 2020-21, by which 2000 people in 98 Ha of areas may be benefitted.
Dwarka	There is no embankment on either side of the river in this stretch. For this stretch, Bank protection works are being taken by Tarapith-Rampurhat Development Authority (TRDA).
Ganga	There is no illegal encroachment on the river embankments. In left bank, 0.135 km bank protection work of Rs. 2.61 Crore is under running and 1.045 km bank protection work of Rs. 14.01 Crore will be taken during 2020-21. In right bank, 0.900 km bank protection work of Rs. 6.21 Crore will be executed during 2020-21.
Damodar	There is no embankment on either side of the river in this stretch. Bank protection works are taken up as and when required to protect the adjoining areas. At present there is no such requirement of taking up anti erosion work in this stretch of river.
Jalangi	There is no embankment on either side of the river in this stretch. Bank protection works are taken up as and when required to protect the adjoining areas. 1.05 km bank protection work of Rs. 3.15 Crore will be taken up during 2020-21, by which 3500 people under 205 Ha areas may be benefitted.
Kansi	There is no illegal encroachment on the river embankments. 1.5 km bank protection work of Rs. 3.62 Crore is under running by which 13800 people under 700 Ha areas may be benefitted.
Mathabhanga	There is no embankment on either side of the river in this stretch. Bank protection works are taken up as and when required to protect the adjoining areas. At present, there is no such vulnerable zone noticed in this stretch. However, protection work will be taken up as & when required.
Barakar	There is no embankment on either side of the river in this stretch. Bank protection works are taken up as and when required to protect the adjoining areas. At present, there is no such vulnerable zone noticed in this stretch. However, protection work will be taken up as & when required.
Dwarekeswar	There is no embankment on either side of the river in this stretch. Bank protection works are taken up as and when required to protect the adjoining areas. A bank protection work of length 300 m of amounting Rs. 0.91 crore will be executed in 2020-21 by which 790 people under 1.67 Ha area will be benefitted.
Kaljani	There is no illegal encroachment on the river embankments. 2.92 km bank protection work of Rs. 4.44 Crore is under running by which 5900 people under 96 Ha areas may be benefitted. Further, 1.01 km bank protection work of Rs. 1.52 Crore will be taken during 2020-21, by which 3000 people under 74 Ha areas may be benefitted.
Karola	There is no illegal encroachment on the river embankments. 2.03 km bank protection work of Rs. 3.68 Crore is under running by which 9000 people under 102 Ha areas may be benefitted.
Mayurakshi	There is no illegal encroachment on the river embankments. No such work envisaged for this stretch of river Mayurakshi. There is no such vulnerable zone noticed in both sides of the river stretch. So at present no future plan is there for execution of protection work.
Rupnarayan	The Department has taken appropriate measure to remove illegal encroachment on the river embankments. A 1.132 km bank protection work of Rs. 3.68 Crore is under running, by which 4600 people under 158 Ha areas may be benefitted. Further, 4.50 km bank protection work of Rs. 12.96 Crore will be executed during 2020-21.
Teesta	There is no illegal encroachment on the river embankments. 10.61 km bank protection work of Rs. 31.41 Crore is under running, by which 42000 people under 1580 Ha areas may be benefitted.

XVIII. Maintaining minimum e-flow of river:

River	Maintaining minimum environmental flow of river
Vidyadhari	The river is a perennial river. There is no regulating structure exists on this river for regulation of river flow. The environmental flow is naturally maintained from the river flow which is a combination of surface flow and base flow.
Mahananda	Average flow about 15.00 cumec is being released from Mahananda Barrage throughout the day during lean season since last three year, for maintaining minimum environmental flow of river.
Churni	The river is non-perennial. There is no regulating structure exists on this river for regulation of river flow. The environmental flow is naturally maintained from the river flow which is a combination of surface flow and base flow.
Dwarka	
Janangi	
Mathabhanga	
Kaljani	
Dwarekeswar	
Karola	
Silabati	
Ganga	The river is a perennial river. The environmental flow is maintained through the release from the Farakka Barrage throughout the year.
Damodar	There is no regulating structure in West Bengal. However there is a dam in Panchet over Damodar river in Jharkhand under the control of DVC, which regulates the flow through this river. This release from the Dam, along with the contribution from the uncontrolled catchment of the d / s of the dam, maintains environmental flow in the river.
Kansi	The discharge through Kansabati river is regulated from the major dam at Mukutmanipur, Bankura. The regulated release from dam, along with the contribution from the uncontrolled catchment of the d / s of the dam, maintains environmental flow in the river.
Barakar	There is no regulating structure in West Bengal. However there is a dam in Mithon over Barakar river in Jharkhand under the control of DVC, which regulates the flow through this river. This release from the Dam, along with the contribution from the uncontrolled catchment of the d / s of the dam, maintains environmental flow in the river.
Mayurakshi	There is no regulating structure in West Bengal. However there is a dam in Massanjore over Mayurakshi river, which regulates the flow through this river. This release from the Dam, along with the contribution from the uncontrolled catchment of the d / s of the dam, maintains environmental flow in the river.
Rupnarayan	The river is perennial river. There is no regulating structure exists on this river for regulation of river flow. The environmental flow is naturally maintained from the river flow which is a combination of surface flow and base flow.
Teesta	Depending on water availability, down-stream release is regulated.

XIX. Plantation activities along the rivers:

River	Plantation activity planned	Status of plantation
Vidyadhari	0.275 ha	Advance (Nursery work): completed.
Mahananda	29.8 ha	
Churni	7.265 ha	
Ganga	6 ha	
Damodar	20 ha	
Jalongi	8.49 ha	
Kansi	10 ha	
Barakar	50 ha	
Dwarekeswar	40.6 ha	
Rupnarayan	20 ha	
Karola	30 ha	

XX. Development of biodiversity park:

River	Number of biodiversity parks	Status of the biodiversity parks
Vidyadhari	4 nos. (Haroa : 3 nos; Minakhan: 1 nos)	Ongoing projects
Churni	1 no.	Ongoing project
Jalongi	3 nos.	Ongoing projects
Kansi	6 nos. (Chandrakona II : 2 nos.; Daspur I: 1 no.; Kharagpur I: 1 no.; Midnapore: 1 no.; Sabang: 1 no.)	Ongoing projects
Ganga	3 nos. (Budge Budge II: 1 no.; Diamond I: 1 no.; Diamond II: 1 no.)	Ongoing projects
Dwarekeswar	2 nos. (Bankura I: 1 no.; Onda I: 1 no.)	Ongoing projects
Mahananda	2 nos. (Phansidewa: 1 no.; Matigara: 1 no.)	Ongoing projects
Rupnarayan	3 nos. (Baidyanathpur: 1 no.; Orphuli: 1 no.; Antila: 1 no.)	Ongoing projects
Mayrakshi	Plan of 18 ha biodiversity park	

XXI. Reuse of Treated Water:
 The Department of UD & MA has already framed a Policy on The Re-Use of Treated Water & notified it on 30th June 2020. The same has been uploaded in the Official Website of the Department
[:http://www.wburbanservices.gov.in/page/cms/ngt_policy_ae3077](http://www.wburbanservices.gov.in/page/cms/ngt_policy_ae3077)

Department has identified Kalyani Town as a Model for re-use of the treated water generated at the Kalyani STP under KMDA. KMDA is preparing DPR in house for reusing the treated water for cleaning of Stadium, Gardening & use by Kalyani Krishi Viswa Vidyalaya. The DPRs are in progress & would be finalized soon. Department of UD & MA have constituted one Liquid Waste Management Committee under the chairmanship of Special Secretary of the Department for smooth & efficient monitoring. The Committee sits every fortnightly & reviews the progress done in each month.

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

River Karola (P-V) has been identified as the model river and the work is in progress at site. Cleaning of drains, cutting of bushes has been complete. The work is expected to be completed by December 2020.

XXIII Status of Preparation of Action Plan by the 13 Coastal States:

The programme will be submitted by the end of November, 2020.

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

State Environmental Impact Assessment Authority-West Bengal has notified a policy on Environmental Clearance on Mining Projects.

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

- 1 West Bengal River Rejuvenation Committee is holding meeting in every month to examine the progress of work.
- 2 Environmental Monitoring Cell, headed by Chief Secretary, Government of West Bengal constituted by the State Government.
- 3 Principal Secretary, Department of Environment, Government of West Bengal & Principal Secretary, Department of UD&MA, Government of West Bengal are also monitoring the progress of work with all Executing Agencies on regular

basis.

- 4 Liquid Waste Monitoring Committee has been constituted by the UD&MA Department, Government of West Bengal and meetings are being held fortnightly.
- 5 A Task Force for Solid Waste Management has been constituted by the UD&MA Department, Government of West Bengal and the Task Force is regularly reviewing the progress of activities related to Solid Waste Management & Legacy Waste Management across the State.

Water Quality of 17 Polluted River Stretches during October 2020

Priority	River	Stations	pH	DO (mg/l)	BOD (mg/l)	Fecal Coliform (MPN/100ml)	Fecal Streptococci (MPN/100ml)	Total Coliform (MPN/100ml)
I	Vidyadhari	Haroa Bridge	7.10	NIL	9.50	8000	--	170000
II	Mahananda	Malancha Burning Ghat	7.13	NIL	5.42	110000	--	220000
		Siliguri	6.55	6.8	1.80	5000	--	17000
		Ramghat	6.74	4.8	21.00	110000	--	220000
		Baharampore	8.21	6.5	3.20	79000	490	240000
		Khagra	8.14	6.3	3.70	110000	330	240000
		Gorabazar	8.02	6.4	2.20	110000	790	350000
		Nabadwip	7.93	6.5	2.60	11000	230	17000
		Tribeni	7.91	6.0	1.50	7800	220	17000
		Serampore	8.09	5.9	3.55	23000	490	33000
		Palta	8.17	5.7	3.65	49000	790	130000
III	Ganga	Palta Shitalatala	7.94	4.7	3.65	130000	2200	170000
		Dakshineswar	7.10	5.1	3.00	130000	170	220000
		Howrah Shibpur	7.22	5.0	2.80	70000	170	170000
		Garden Reach	7.10	5.2	2.60	80000	92	140000
		Uluberia	7.28	7.0	3.10	33000	93	70000
		Diamond Harbour	7.34	6.8	3.70	14000	68	22000
		Patkhali	6.13	5.1	1.00	1400	--	2600
		Majhadia	7.70	4.0	3.75	14000	--	22000
III	Churni	Downstream of Ranaghat Town	7.93	3.3	3.10	33000	--	49000
III	Dwarka	Upstream of Tarapith	7.75	7.1	3.05	21000	--	35000
		Downstream of Tarapith	7.06	6.9	3.95	43000	--	54000
		Dishergarh Village	7.19	7.7	1.85	1400	--	3100
IV	Damodar	Downstream of IISCO at Dhenna Village	7.70	7.7	2.25	2200	--	6300
		Narainpur after Nunia Nullah	7.67	7.5	2.35	1100	--	2000

Priority	River	Stations	pH	DO (mg/l)	BOD (mg/l)	Fecal Coliform (MPN/100ml)	Fecal Streptococci (MPN/100ml)	Total Coliform (MPN/100ml)
		Mujher Mana Village after Tamla Nullah	7.19	6.9	3.75	7900	--	12000
		Andal Downstream	7.44	7.4	1.70	1200	--	1700
		Andal Upstream	7.69	7.7	1.65	1100	--	1700
		Asansol Upstream	7.57	8.0	1.80	2100	--	3200
		Durgapur Upstream	7.50	7.4	1.50	1400	--	2000
		Raniganj Downstream	7.57	7.5	1.80	1700	--	3100
		Water Intake Point for Burdwan Town	7.40	8.2	1.95	1700	--	4600
IV	Mathabhanga	Gobindapur	7.68	4.3	4.00	11000	--	49000
IV	Kansi	Midnapore Gandhighat	7.24	8.0	2.40	9400	--	24000
IV	Jalangi	Downstream of Krishnanagar	7.80	4.2	2.25	7000	--	17000
V	Rupnarayan	Near Geonkhali	7.44	8.4	1.50	4300	--	9400
		Kolaghat	7.44	6.4	1.10	6300	--	12000
V	Mayurakshi	Water Intake Point for Suri Town	7.02	8.0	1.50	1300	--	1700
V	Dwarakeshwar	Water Intake Point for Bankura Town	7.60	7.9	1.85	1300	--	2000
V	Silabati	Ghatal	7.18	7.0	1.70	6300	--	11000
V	Barakar	Asansol Water Intake Point	7.74	7.9	2.15	3800	--	6300
V	Kaljani	Alipurduar	6.92	7.3	1.20	3400	--	14000
V	Karola	Jalpaiguri	7.38	6.9	1.60	2200	--	8000
V	Teesta	Jalpesh	6.92	7.2	1.50	2200	--	9000
		Sevoke	7.42	7.4	1.20	2600	--	9000
Primary Water Quality Criteria for Bathing Water			6.5-8.5	≥ 5.0	≤ 3.0	500	100	No Criteria value