Government of West Bengal
Department of Environment

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

No. EN/1413/3C-01/2019 Dated, Kolkata 19th October, 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 – October, 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.

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 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):	**43 (671 MLD)**
Capacity Utilization of existing STPs:	**526 MLD**
MLD of sewage beingtreated through Alternate technology:	**8 MLD**
Gap in Treatment Capacity in MLD:	**137 MLD**
No. of Operational STPs:	**30**
No. of Complying STPs:	**7**
No. of Non-complying STPs:	**36**

Details of each existing STP in the State

No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Statusof STP	Compliance Status of STP
1.	Jagaddal Bhatpara New	31.00	24.10	Fully operational	Operation and maintenance has been started.
2	Shyamnagar	10.00			
3	Jagaddal Bhatpara old	9.50			
4	Kankinara STP, Madrail, Bhatpara	10.00			
5	STP Kalyani-I	11.00	19.00		
6	STP Kalyani-II	10.00			
7	Gayeshpur	8.33	3.20		
8	Baidyabati	6.00	5.00	Partially operational STPs	Due to some technical issue existing tender had been cancelled and new tender has been invited. Last date of bid submission on 02.11.2020
9	Bhadreswar	7.60	5.50		Due to some technical issue existing tender had been cancelled and new tender has been invited. Last date of bid submission on 02.11.2020
10	Chandannagar, Khalisani, Chinsurah-Hooghly	18.16	14.50		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
11	Chandannagar, Khalisani, Chinsurah-Hooghly	4.50	4.00		

No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Statusof STP	Compliance Status of STP
					30.06.2020. Survey work started and work will be taken up very soon. Site clearance is going on.
12	Bansberia	0.30	0.30	Partially Operational STPs	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. Survey work started and work will be taken up very soon. Site clearance is going on.
13	Konnagar	22.00	12.00		Due to some technical issue existing tender for renovation work had been cancelled and new Tender has been invited. Last date of bid submission on 02.11.2020.
14	Naihati	11.56	7.00		Partially functional and presently undergoing 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 (1 no.)-10% Cleaning, repairing & renovation of network- 10% Repairing & renovation of diversion structure-2%. The work was disrupted during the nationwide lock down for nearly 3 months and has just recommenced.
15	Titagarh	4.50	4.0	Partially Operational STPs	Partially functional and presently undergoing renovation to make it fully functional. Overall physical progress as on 30.09.2020 is : 58% comprising repairing & renovation of STP-65% Repairing & renovation of MPS (1 no.) and LS (3 nos.)-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 months and has just recommenced.
16	Titagarh	4.50	4.5		
17	Bandipur (Khardaha)	14		Non-functional	Non-functional and presently

No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Statusof STP	Compliance Status of STP
				STPs but under Renovation	undergoing renovation to make it fully functional. Overall physical progress as on 30.09.2020 : 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 recommenced.
18	Champadani	1.00	—		Due to some technical issue existing tender for renovation work had been cancelled and new tender has been invited. Last date of bid submission on 2.11.2020
19	Garulia	7.90	—		Non-functional and presently undergoing renovation to make it fully functional. Overall physical progress as on 30.09.2020 : 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%
20	Naihati	6.50	—		Non-functional and presently undergoing renovation to make it fully functional. Overall physical progress as on30.09.2020 : 20% comprising Repairing & renovation of STP-23%, Repairing & renovation of MPS (2nos)-20%, Repairing & renovation of network- 15%, Repairing & renovation of Diversion structure-2%
21	Panihati	12.00	—		Non-functional and presently undergoing renovation to make it fully functional. Overall physical progress as on 31.08.2020: 8% comprising Repairing & renovation of STP-0% Repairing & renovation of MPS (1nos) and LS (3no.)-10% Repairing & renovation of network- 10%

No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Statusof STP	Compliance Status of STP
					The work was disrupted during the nationwide lock down for nearly 3 months and has just recommenced.
22	Serampore	18.60	—		Due to some technical issue existing tender for renovation work had been cancelled and new tender has been invited. Last date of bid submission on 2.11.2020.
23	Balli (Kona)- Kona, Chakpara(Anandanagar gram Panchayet)	62.00	—	Non-Operational	Concession Agreement Signed on 5th June 2019 between KMDA, NMCG and the Concessionaire. The work will be started after Financial Closure by the Concessionaire which is in progress, under supervision of NMCG. The work comprising of 1. Submitted 136 nos. drawing out of 269 2. Contour survey completed 3. Soil investigation completed. 4. 7 nos LS & MPS survey completed out of 7 nos.
24	Howrah-Arupara	65.00	—		Concessionaire Agreement Signed on 5th June 2019 between KMDA, NMCG and the Concessionaire. The work will be started after Financial Closure by the Concessionaire which is in progress, under supervision of NMCG. IFC has already secured internal clearance to move forward and their Board approval is in process. The time schedule will be circulated by them for this within next few days The work comprising of 1. Submitted 163 nos. drawing out of 272. 2. Contour survey completed 3. Test pile completed. 4. 5 nos. LS & MPS survey completed out of 5 nos. 5. Test pile had been done.
25	Kamarhati - Baranagar -Kamarhati, Mathkol, near Belgachia Metro Car Shed	60.00	—		Concessionaire Agreement Signed on 5th June 2019 between KMDA, NMCG and the Concessionaire. The work will be started after Financial Closure by the Concessionaire which is in progress, under supervision of NMCG. The work comprising of 1. Submitted 141 nos. drawing

No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Statusof STP	Compliance Status of STP
					out of 282. 2. Contour survey completed 3. Soil Investigation completed 4. Test pile completed. 5. 1 no. LS & MPS survey completed out of 1 no. 6. Test pile had been done.
26.	Bangur	52	50	Operational	Partially complied
27.	Garden Reach	57	94	Operational	Partially complied
28.	Keorapukur	45	80	Operational	Partially complied
29.	Baghajatin	15	95	Operational as oxidation pond	Partially complied
30.	Hatisur	10	80	Operational	Partially complied
31.	Durgapur Municipal Corporation	1	1	Operational	
32.	Durgapur Steel Plant	6	6	Operational	
33.	Durgapur Project Limited	5	5	Operational	
34.	ACC Babcock Limited	0.5	0.5	Operational	
35.	Damodar Valley Corporation	1.32	1.32	Operational	
36.	Nabadwip Municipality, Nadia	10	6.72	Operational	Partially Complied
37.	Katwa Municipality, PurbaBurdwan	4.36	2.36	Operational	Partially Complied
38.	Diamond Harbour Municipality	2.03	0.2	Operational	Partially Complied
39.	Murshidabad Municipality	1.96	0.237	Operational	Partially Complied
40.	Berhampore Murshidabad	3.7	-	Non-Operational	Not applicable
41.	Jiagunj- Azimgunj	1.39		Partially Functional This STP was earlier under supervision of PHE, now it has come under the jurisdiction of MED. A joint inspection has been done by MED and municipality to ascertain the present status and nature of work required for making it fully functional. This issue is under active consideration of the Department and DPR will be finalized shortly.	

No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Statusof STP	Compliance Status of STP
42	Mahananda Left Bank, Siliguri	15	-	Non-Operational	DPR submitted for Civil and Electrical to KMDA for vetting
43	Jorapani&Fuleswari River, Siliguri	24	-	Non-Operational	DPR submitted for Civil and Electrical to KMDA for vetting

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: 9% Piling 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 achived as on 30.09.2020 is **93.8%.** 1. Total work done for HDPE pipeline: 12 M. 2. Total work done forJackpushing : 100 M 3. HDD : 130 M	Work has not yet started. Necessary approval from finance department, GoWB is in process for house sewer connection.	December, 2020
4.	Barrackpore	18.00	Overall physical progress achived as on 30.09.2020 is **89.5%.** Work for D.G, Panel, Diffuser, Blower charging is under progress to synchronize the system.	Work has not yet started. Necessary approval from finance department, GoWB is in process for house sewer connection.	December, 2020
5.	Barrackpore	6.00	Overall physical progress achived as on 30.09.2020 is **89.5%.** Trial run started with D.G.	Work has not yet started. Necessary approval from finance department, GoWB is in process for house sewer connection.	December, 2020
6.	Halisahar	16.00	Overall physical progress achived as on 30.09.2020 is **94.50%.** 1. For STP work : 0.50 % 2.Laying ofNetwork : 0.05%	Work has not yet started. Necessary approval from finance department, GoWB is in process for house sewer connection.	May, 2021
7.	Kanchrapara	18.00	Overall physical progress achieved as on 30.09.2020 is **16%**. Construction of STP-10%	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-IIIE	24	98% Commission awaited after 3rd party inspection.	There is a community sewage system which is supposed to transport the sewage to the plant.	Completed but not commissioned
9.	Tarapith	4.25	20%	Community sewage	May 2021

No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
				system implementation (Institutional Connection) almost 90% complete	
10.	Ghusighata	170	0%	NA	PHED has taken up survey work & preparation of DPR.

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	Tender process ongoing under Tolly'sNullah Project. Tender opening extended till 30 / 10 / 2020	30 month 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 submitted to NMCG for approval.	52 months from the date of issuance of work order.
5.	DhankhetiNikashi	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	Under Tendering	December, 2022
10.	Chaitanyaghat	5.2		
11.	Silver Jubliee Road	2.6		
12.	Maheshtala	35.00		24 months from Financial closure
13.	Hooghly-Chinsurah	26.50	DPR Stage	July, 2020
14.	North-Barracpore	11.25		July, 2020
15.	North-Barracpore	6.5		
16.	Dhuliyan	5.68	No Participants found in first call in DPR Preparation work. 2nd Call uploaded on 02.09.2020, opening date is 07. 10.2020. Timeline for Preparation of DPR-February-2021	
17.	Kalna	2.99	2nd call invited on 29.09.2020, Opening date is 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.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage / Under Tendering / Work to be Awarded)	Likely Date of Completion
			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 1st 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 date was scheduled 07 / 10 / 2020. Timeline for Preparation of DPR- February-2021	

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.**
  (GPIs-54 Nos., SPIs-400 Nos.)
- Quantity of effluent generated from the industries in MLD: **1360.60 MLD**
- Quantity of Hazardous Sludge generated from the Industries in TPD: **90 TPD**
- Number of industrial units having ETPs: **454 Nos.**
  (GPIs-54 Nos., SPIs-400 Nos.)
- Number of industrial units connected to CETP: **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	UttarparaKotrung	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.)**
- Ttreatment / 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:

  UD & MA Dept. GoWB has prepared State Policy for collection, segregation & disposal of plastic waste.

  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 has been taken up as interim measure for Jangipur drain. Necessary chemical dosing has also been taken up periodically. 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 has been taken up as interim measure for Basko Canal. Work is in progress.	4.28
	Sreenathpur Drain	Bio / Phyto remediation treatment process has been taken up as interim measure for Sreenathpur Drain. Necessary chemical dosing has also been taken up periodically. 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 of drain at Midnapore for river Kansi by providing screens, sedimentation tank, followed by disinfection by chlorination at out falls of major 2 nos. of drains (although out of 28 identified drains, there are 26 nos. of drains having very small out fall) is proposed. Recommendation for acceptance by Urban Development and Municipal Waste Department received on 27.09.2020. The work order from competent authority will be issued soon.	21.41
Mayurakshi	14	Primary treatment for river by providing screens, aeration followed by disinfection by chlorination at out falls of 12 nos. of drains at Suri and 14 nos. at Santhia have been 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 up-stream & down-stream side 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 4.04 Sainthia-2.68
Rupnarayan	4	Primary treatment for river by providing screens,	8.37

River name	Polluting drain	In-situ treatment details	MLD treated
		sedimentation tank followed by disinfection by chlorination at out falls of 4 nos. of drains have been proposed. Recommendation for acceptance by Department received on 27.09.2020 and work order from competent authority will be issued soon.	
Jalangi	8	Primary treatment for river by providing screens, aeration followed by disinfection by chlorination at out falls of 8 nos. of drains has been 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 5% work has been completed.	17.45
Silabati	4	Primary treatment at drain of Ghatal for river Silabati by providing screens, sedimentation tank, followed by disinfection by chlorination at out falls of 4 nos. of drains have been proposed. Work Order issued on 30.07.2020, but due to huge accumulation of rain water at all the 4 nos. of sites present site condition is not suitable to start any construction work. Even the river is running at high discharge. Hence Work cannot be started until water level reduced at some workable condition.	3.80
Dwarekeswar	13	Primary treatment of drains at Bankura for river Dwarkeswar by providing screens, sedimentation tank followed by disinfection by chlorination at out falls of 13 nos. of drains have been proposed. Work order issued on 07.08.2020. Huge amount of Rain water has been accumulated near the construction site and hence work has been delayed to start. Finally work has been started on 29.09.2020.	15.10
Kaljani	18	Primary treatment of drains at Alipurduar for river Kaljani by providing screens, sedimentation tank, followed by disinfection by chlorination at out falls of 18 nos. of drains has been proposed. Work order issued on 03.07.2020. Drain outfalls are heavily loaded due to continuous Rainfall in the area. Work has been stopped due to heavy rainfall in the area.	9.33
Korala	47	Primary treatment of drains at Jalpaiguri for river karola by providing screens and airation arrangement at out falls of 47 nos. of drains has been proposed. Work order issued on 02.07.2020. Starting of work has been delayed due to high rainfall though the site clearance has been done.	12.81
Ganga	22	S&SWM sector of 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. 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 insitu treatment:
Actions are being taken as per the approved action plans.

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:
The Chief Secretary, Government of West Bengal time to time reviews the matter relating to orders of the Hon'ble National Green Tribunal with the stake holders. Last meeting was held on 17th October, 2020.

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 Mathabhanga Dwarka	• 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'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 monitoring for Aug'20 has been completed. • All are "safe" categorized block along polluted stretches of Vidyadhari, Dwarka and Mathabhanga River except the following Block. ✓ **Dwarka river stretch:** *Semi-Critical*- Rampurhat-II (Birbhum dist.) ✓ **Mathabhanga river stretch:** *Semi-Critical*- Deganga (North 24 Parganas dist.) • Periodic groundwater sampling for its Physio-chemical tests is done twice a year (April & Nov).
Damodar Barakar	• Water meter without telemetry system is installed at industrial tube well permitted by SWID. • Groundwater Resources Estimation and Assessment is done as per GEC'97 guidelines. • Groundwater level (GWL) monitoring is done periodically four times a year (Jan, April, Aug & Nov). GWL monitoring for Aug'20 has been completed. • 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.
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 in progress. Groundwater monitoring: • GW Level during Mosoon'20 period against 136 GW monitoring stations under the

River	Groundwater regulation
	blocks along polluted stretch of river Ganga is completed. 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 during Mosoon'20 period against 52 GW monitoring stations under the blocks along polluted stretch of river Churni is completed. GW Monitoring Stations (52)=42 (Manual) + 10 (Real-Time) • Physio-chemical tests for 52 GW samples collected during Pre-mosoon'20 period, from or nearby GW monitoring stations under the blocks along polluted stretch of river Churni have been completed partially.
Kansi Mayurakshi Rupnarayan Jalongi	• 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 monitoring for Aug'20 has been completed. • All are "safe" categorized block along polluted stretches of Kansi, Mayurakshi, Rupnarayan, Jalangi River except the following Blocks. ✓ **Kansi River Stretch:** *Semi-Critical*- Keshpur, Debra (PaschimMedinipurDist) *Critical*- Panshkura (PurbaMedinipur dist.) ✓ **Mayurakshi River Stretch:** *Semi-Critical*- Suti-I (Murshidabad dist.), Labhpur (Birbhum dist.) ✓ **Jalangi River Stretch:** *Semi-Critical*- Berhampur, Nowda (MurshidabadDist), Tehatta-II, Chapra (Nadia dist.) *Critical*- 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).
Silabai Dwarekeswar Kaljani Karola	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 monitoring for Aug'20 has been completed. • All are "safe" categorized block along polluted stretches of Silabati, Darakeswar, Kaljani and Karolariver. • Groundwater sampling for its Physio-chemical tests is done twice a year (April & Nov).

River	Groundwater regulation
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 monitoring for Aug'20 has been completed. • All are "safe" categorized blocks along polluted stretch of Teesta and Mahanandariver. 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 SadhakBamdebGhat	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 19 km 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)Mograhat-I & II, Mandirbazar,Diamonharbour-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 are 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 MedinipurAnicut. 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 Resrvoir Project. Moreover there are four medium and minor irrigation schemes in Bankura-I and Onda blocks namely Niada (405 ha), 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 ThakurerKamat	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 MayurakshiResrvoir 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 (4807 ha), 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 JalpaiguriSadar 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	Hanskhali- 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 700Ha 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

River	Demarcation of flood plain, removal of illegal encroachments from embankments and protection and management of flood
	stretch of river Mayurakhshi. 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 on the river exist 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 down-stream 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 down-stream 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 Mayurakashi river, which regulates the flow through this river. This release from the Dam, along with the contribution from the uncontrolled catchment of the down-stream 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:**

On 30/06/2020, State Government has notified Treated Wastewater Re-use Policy of Urban West Bengal. Actions are being taken following the State Policy.

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.

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

The programme will be submitted by the end of November, 2020.It may be mentioned here that an STP of capacity 6.7 MLD has already been constructed and commissioned in DIGHA(only coastal town of West Bengal) and sewer network has been laid of 12.696 KM with the financial support from Department of Environment, Government of West Bengal.

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 holing 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.

Annexure-A

Water Quality of 17 Polluted River Stretches during August 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	7.29	0.9	8.59	23000	--	110000
		Malancha Burning Ghat	7.06	1.3	10.00	80000	--	140000
II	Mahananda	Siliguri	6.05	6.9	2.20	7000	--	17000
		Ramghat	6.98	4.8	14.00	110000	--	220000
III	Ganga	Baharampore	7.88	5.5	1.10	80000	800	170000
		Khagra	8.20	5.7	1.70	50000	220	130000
		Gorabazar	7.91	5.2	1.20	8000	330	50000
		Nabadwip	8.02	5.6	2.00	13000	500	30000
		Tribeni	7.92	4.7	1.60	240000	1300	500000
		Serampore	7.92	4.2	2.00	54000	2200	92000
		Palta	8.10	4.4	2.00	12000	230	30000
		PaltaShitalatala	7.84	4.6	2.45	300000	800	500000
		Dakshineshwar	7.70	5.6	3.25	80000	140	170000
		Howrah Shibpur	7.27	4.6	2.55	70000	170	170000
		Garden Reach	7.25	5.0	2.60	50000	110	130000
		Uluberia	7.52	3.9	1.55	30000	70	80000
		Diamond Harbour	7.30	5.2	1.20	8000	45	11000
		Patikhali	7.54	5.6	0.60	450	--	2500
III	Churni	Majhadia	7.89	0.9	7.13	8000	--	27000
		Downstream of Ranaghat Town	7.73	4.4	2.00	70000	--	300000
III	Dwarka	Upstream of Tarapith	7.60	7.6	3.25	21000	--	28000
		Downstream of Tarapith	7.47	7.1	4.20	24000	--	54000

Priority	River	Stations	pH	DO (mg/l)	BOD (mg/l)	Fecal Coliform (MPN/100ml)	Fecal Streptococci (MPN/100ml)	Total Coliform (MPN/100ml)
IV	Damodar	Dishergarh Village	7.38	7.9	2.05	3300	--	4800
		Downstream of IISCO at Dhenna Village	7.90	7.8	2.30	3400	--	5800
		Narainpur after NuniaNullah	7.91	7.8	2.05	2600	--	3400
		MujherMana Village after TamlaNullah	7.63	7.1	3.50	4800	--	7000
		Andal Downstream	7.55	7.9	1.95	2300	--	3300
		Andal Upstream	7.49	7.9	2.15	2100	--	3100
		Asansol Upstream	7.82	8.1	2.15	2100	--	3900
		Durgapur Upstream	7.58	7.7	1.85	2400	--	3300
		Raniganj Downstream	8.14	7.9	2.15	2500	--	4000
		Water Intake Point for Burdwan Town	7.64	8.0	2.55	2200	--	4100
IV	Mathabhanga	Gobindapur	7.93	2.2	5.88	30000	--	80000
IV	Kansi	MidnaporeGandhighat	7.27	6.6	0.6	7000	--	28000
IV	Jalangi	Downstream of Krishnanagar	7.83	4.9	2.85	400	--	1300
V	Rupnarayan	Near Geonkhali	7.44	6.5	0.90	3300	--	8400
		Kolaghat	7.21	6.7	1.70	8400	--	14000
V	Mayurakshi	Water Intake Point for Suri Town	7.58	8.1	1.75	2100	--	3300
V	Dwarakeshwar	Water Intake Point for Bankura Town	8.19	8.0	2.80	2600	--	3900
V	Silabati	Ghatal	7.39	8.4	1.40	3300	--	7000
V	Barakar	Asansol Water Intake Point	7.65	8.1	2.45	3300	--	4800
V	Kaljani	Alipurduar	7.01	7.2	2.10	5000	--	11000
V	Karola	Jalpaiguri	6.81	7.1	1.90	2300	--	11000
V	Teesta	Jalpesh	7.12	7.4	0.80	2700	--	11000
		Sevoke	7.20	7.2	1.40	3000	--	8000
Primary Water Quality Criteria for Bathing Water			**6.5-8.5**	**≥ 5.0**	**≤ 3.0**	**500**	**100**	**No Criteria value**