

Government of West Bengal
Environment Department
Prani Sampad Bhavan, 5th Floor, LB-2, Sector- III, Salt Lake, Kolkata -700106.

No. EN/2039 / 3C-01/ 2019

Dated. 24 /08/2023

From.
Shri Sasim Kumar Barai, IAS
Special Commissioner to the
Government 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.

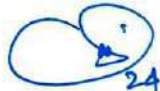
Sub: Monthly Progress Report – April, 2023 – June, 2023

Sir,

The undersigned is directed to send herewith the Monthly Performance Report (MPR) in the prescribed proforma, as prepared by Urban Development and Municipal Affairs Department, Government of West Bengal, for the months of April, 2023 to June, 2023, for the State of West Bengal in respect of polluted river stretches in West Bengal.

This is for kind information and necessary action, please.

Yours faithfully,


24/8/2023
Special Commissioner
Department of Environment

National Mission for Clean Ganga

Monthly Progress Report in the NGT Matter O.A.No.673 from the month from
April 2023 to June 2023
West Bengal

The Main Report

Overall status of the State:

- I. Total Population: Urban Population & Rural Population: **10.9 Cr.**
(3.09 Cr. Urban population & 7 cr. Rural population)
(estimated population for 2020)
(Source: www.census2011.co.in)
- II. Estimated Sewage Generation (MLD):
a. **2758 MLD (Urban area)**
b. **1400 MLD (Rural area)**
- III. Details of Sewage Treatment Plant (Urban Area):
a. Existing no. of operational STPs including East Kolkata
Wetland and Primary Treatment facilities: ****45(1647.6MLD)**
- b. No. of STPs under construction **10 (192.6MLD)**
c. No. of STPs under renovation **8(361.7 MLD)**
d. No. of STPs under proposal/tender stage **31 (695MLD)**
- IV. Total Treatment Capacity (a+b+c+d) **2896.9MLD**
- New proposals for setting up of STPs are under the consideration of NMCG/ AMRUT/ State Scheme. WBSPMG is in close liaison with NMCG and other institution for any clarification / modification.
 - Besides, good number of STPs have already been constructed and under operation in different Industrial townships and housing complexes. Data has been received from WBPCB wherein it is evident that 78 MLD capacities exist in the Private STPs.
 - To address the sewage generation in Rural areas, Sanitation Wing of Department of P & RD, GoWB has taken a separate Programme which includes setting up of FSTPs.

**** Two STPs (Garden Reach and Keaorapukur) which were earlier under operational list is now currently shown in under renovation. This decision was taken in the RRC Meeting held on 30.06.2023 as the sanction received from NMCG vide F.No. Pr-12013/7/2022- TECH CONSTRUCTION NMCG dated 25.10.2022 and F.No. Pr-12013/15/2018- TECH CONSTRUCTION NMCG dated 07.09.2022, these two Projects have been shown as 'rehabilitation (renovation)'.**

Details of operational STPs in the State

EA=Executing Agency

No.	River/Coastal Stretch	EA	Location	Existing STP Capacity (MLD)
1.	Ganga	KMDA	Jagaddal Bhatpara New	31.00
2	Ganga	KMDA	Shyamnagar	10.00
3	Ganga	KMDA	Jagaddal Bhatpara old	9.50
4	Ganga	KMDA	Kankinara STP, Madrail, Bhatpara	10.00
5	Ganga	KMDA	STP Kalyani-I	11.00
6	Ganga	KMDA	STP Kalyani-II	10.00
7	Ganga	KMDA	Gayeshpur	8.33
8	Ganga	KMDA	Bansberia	0.30

9	Ganga	KMDA	Konnagar	22.00
10	Ganga	KMDA	Naihati	11.56
11	Vidyadhari	KMC	Bangur	52
12	Vidyadhari	KMC	Baghajatin	15
13	Vidyadhari	KMC	Hatisur	10
14	Ganga	PHED	Nabadwip Municipality Nadia	10
15	Ganga	PHED	Katwa Municipality, PurbaBurdwan	4.36
16	Ganga	PHED	Diamond Harbour Municipality	2.03
17	Ganga	PHED	Murshidabad Municipality	1.96
18	Ganga	MED	JiagunjAzimgunj Takia Oxidation Pond	0.69
19	Ganga	MED	JiagunjAzimgunj Takia Oxidation Pond	0.69
20	Vidyadhari	UDMA (SLRDC)	Kestopur	27.24

21	Coastal	PHED	Digha Sankarpur Development Area	6.7
22	Vidyadhari	PHED	New Town Kolkata (Action Area IIC)	31
23	Vidyadhari	PHED	New Town Kolkata (Action Area IIB)	14
24	Ganga	KMDA	Barrackpore	18.00
25	Ganga	KMDA	Barrackpore	6.00
26	Ganga	KMDA	Halisahar	16.00
27	Ganga	KMDA	Budge-Budge	9.33
28	Vidyadhari	PHED	New Town, Rajarhat Action Area- IIID	24
29	Ganga	KMDA	Nabadwip	9.50
30	Vidyadhari	KMC	East Kolkata Wetlands	910
31	Ganga	KMDA	Baidyabati	6.00
32	Ganga	KMDA	Bhadreswar	7.60
33	Ganga	KMDA	Garulia	7.9

34	Ganga	KMDA	Chandannagar, Khalisani, Chinsurah-Hooghly	18.16
35	Ganga	KMDA	Chandannagar, Khalisani, Chinsurah-Hooghly	4.50
36	Ganga	KMDA	Titagarh	4.50
37	Ganga	KMDA	Titagarh	4.50
38	Ganga	KMDA	Bandipur (Khardaha)	14
39	Ganga	KMDA	Naihati	6.50
40	Ganga	KMDA	Panihati	12.00
41	Vidyadhari	NKDA, PHED	DhilerBheri	150
42	Damodar	DMC	Durgapur City Centre	1
43	Ganga	KMDA	Kanchrapara	18
44	Mirik Lake	MED	Mirik	1.5
45	Dwarka	PHED	Tarapith	4.25
Primary Treatment			Kaljani/Karola/Mayurakshi/Shilabati/Kansi/Rupnarayan/Dwarkeswar/Jalangi Rivers	95
Total				1647.6

Details of STPs in the State under Renovation
EA- Executing Agency

No.	River/Coastal Stretch	EA	Location	Existing STP Capacity (MLD)	Compliance Status of STP
1.	Ganga	KMDA	Balli (Kona)- Kona, Chakpara (Anandanagargram Panchayet)	62.00	Likely date of completion Sept-2023.
2.	Ganga	KMDA	Howrah-Arupara	65.00	Likely date of completion Sept-2023.
3.	Ganga	KMDA	Kamarhati - Baranagar -Kamarhati, Mathkol, near Belgachia Metro Car Shed	60.00	Likely date of completion Sept-2023.
4.	Ganga	PHED	Berhampore Murshidabad	3.7	Under Rejuvenation
5.	Mahananda	SJDA	Mahananda Left Bank, Siliguri	32	Under Rejuvenation
6.	Mahananda	SJDA	Jorapani & Fuleswari River, Siliguri	24	Under Rejuvenation
7.	Ganga	KMC	Garden Reach	57	Under Rejuvenation
8.	Ganga	KMC	Keorapukur	45	Under Rejuvenation
Total				361.7	

Details of under Construction STPs in the State

EA-Executing Agency

No.	River/Coastal Stretch	EA	Location	Capacity of the plant in MLD	Completion Timeline
1.	Ganga	KMC	Joka	45	August 2023
2.	Ganga	KMC	M.G. Road	40	August 2023
3.	Ganga	KMDA	Baharampore	3.50	Aug, 2023
4.	Ganga	KMDA	Raghunathganj	5.00	Aug, 2023
5.	Ganga	KMD	Jangipur	8.00	Aug, 2023
6.	Ganga	KMC	Rania	23	August 2023
7.	Churni	KMDA	Sreenathpur	4	November, 2023
8.	Churni	KMDA	Silver Jubilee Road	2.6	November, 2023
9.	Ganga	KMDA	Hooghly-Chinsurah	26.5	July 2023
10.	Ganga	KMDA	Maheshtala	35	June 2024
	Total			192.6	

Details of proposed STPs in the State

EA-Executing Agency

No.	River/Coastal Stretch	EA	Location	Capacity of the STP proposed in MLD
1.	Ganga	KMC	Bansdrani (TNP)	11.6
2.	Ganga	KMC	Golf Green (TNP)	3.5
3.	Ganga	KMC	Birji Road (TNP)	10
4.	Ganga	KMC	L.S.10	16
5.	Ganga	KMC	Dhankheti Nikashi	25
6.	Ganga	KMC	Bhanga Khal, Garden Reach	35
7.	Vidyadhar	KMC	Borough-XII	70
8.	Churni	KMDA	Jianagar	5.2
9.	Ganga	KMDA	North-Barracpore	30
10	Ganga	KMDA	North-Barracpore	8
11	Ganga	MED	Katwa	11

12	Ganga	MED	Katwa	2.5
13	Ganga	MED	Santipur	18.1
14	Ganga	MED	Chakdah	15
15	Ganga	MED	Murshidabad	2.9
16	Ganga	MED	Jiaganj-Azimganj	1.5
17	Ganga	MED	Diamond-Harbour	10.4
18	Ganga	KMDA	Uluberia	11
19	Ganga	KMDA	Kestopur	41
20	Vidyadhari	KMDA	Baranagar	8.7
21	Vidyadhari	KMDA	North Dumdum	33
22	Vidyadhari	KMDA	South Dumdum	27
23	Vidyadhari	BMC	Bidhannagar	7.5
24	Mahananda	SJDA	West Bank	48

25	Damodar & Barakar	KMDA	4 STPs in Durgapur/Asansol	69.5
26	Ganga	KMDA	Chamdpani	30
27	Ganga	KMDA	Serampore	130
28	Ganga	KMDA	Krishnanagar	13.8
Total			31 STPs	695

IV. Details of Industrial Pollution:

No. of industries in the State (Red = 3986, Orange = 13390)	=17376
No. of water polluting industries in the State	=456
Effluent generation from industries	=1360.87 MLD
No. of industries having ETPs	=456
Total treatment capacity of ETPs	=1360.87 MLD
No. and capacity of existing CETP (8 modules each of 5 MLD)	=40 MLD
(All tanneries in the Calcutta Leather complex are connected to CETP)	

V. Bio-medical Waste Management:

No. of Hospitals and Health Care Facilities	= 9712
Total Bio-medical generation	= 38886.14Kg/Day
Status of Treatment Facility / CBMWTF	= 9 CBMWTF are operating
Treatment capacity	= 2, 11,000 bed

All Biomedical wastes generated in the state are treated at the nine (9) Common BMW Treatment, Storage & Disposal Facilities. Setting up of few more CBMWTSDF are in progress.

VI. Hazardous Waste Management:

No. of Industries generating Hazardous waste	=824
Total Hazardous Waste generation	=2,03,272.00 MTA
<u>Total Treatment Capacity of 2 no.CHTSDFs at Haldia and Saltora :</u>	
Land fill capacity	=2,20,000 MTA
Land fill after treatment	=1,20,000 MTA
Incineration	=14,400 MTA
Alternate Fuel & Resource Facilities (AFRF)	= CHWTSDF, Saltora
	obtained NOC for 10000
TPA	
Average quantity of hazardous waste reaching TSDF	= 38062.45 MTA

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

- Principal Secretary, Department of Environment, Govt. of West Bengal.

VIII. 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'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 data for the month of Jan, April, Aug'20, Nov'20 & Jan'22 has been generated. GWL monitoring for the month of April'22 is continued.
Mathabhanga	- 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). Post-Monsoon (Nov'22) GW level data is generated. All are "safe" categorized block along polluted stretches of Dwarka&Mathabhanga River except the following Block. Dwarka River Stretch: <i>Semi-Critical-</i> Rampurhat-II (BirbhumDist) 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	
Damodar	- 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.
Barakar	- 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). Post-Monsoon (Nov'22) GW level data is generated.
Ganga	Ground water 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. Ground water monitoring: Post-Monsoon (Nov'22) GW level data against 136 GW monitoring stations under the blocks along polluted stretch of River Ganga is generated. GW Monitoring Stations (136)= 92 (Manual) + 44 (Real-Time) Post-Monsoon (Nov'22) GW sampling from 52 GW monitoring stations under the blocks along polluted stretch of River Ganga is completed.
River	Groundwater regulation
Churni	Groundwater regulation: - Water meter without telemetry system is installed industrial tubewell. - Physio-chemical quality of groundwater samples collected from GW monitoring wells during pre-monsoon and post-monsoon period is tested every year. Groundwater monitoring: Post-Monsoon (Nov'21) GW level data against 136 GW monitoring stations under the blocks along polluted stretch of River Churni is generated. GW Monitoring Stations (52)=42 (Manual) + 10 (Real-Time) Post-Monsoon (Nov'22) GW sampling from 52 GW monitoring stations under the blocks along polluted stretch of River Churni is completed.
Kansi	- 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). Post-Monsoon (Nov'22) GW level data is 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 (PaschimMedinipurDist) <i>Critical-</i> Panshkura (PurbaMedinipurDist) ✓ Mayurakshi River Stretch: <i>Semi-Critical-</i> Suti-I (MurshidabadDist), Labhpur (BirbhumDist) ✓ Jalangi River Stretch: <i>Semi-Critical-</i> Berhampur, Nowda (MurshidabadDist), Tehatta-II, Chapra (Nadia Dist) <i>Critical-</i> Domkal (MurshidabadDist), 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). Post-Monsoon(Nov'22) GW sampling is completed.
Mayurakshi	
Rupnarayan	
Jalangi	
Silabai	- 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). Post-Monsoon (Nov'22) GW level data is generated. All are "safe" categorized block along polluted
Dwarekeswar	
Kaljani	
Karola	

	stretches of Silabati, Darakeswar, Kaljani and Karala River. Groundwater sampling for its Physio-chemical tests is done twice a year (April & Nov). Post-Monsoon (Nov'22) GW sampling is completed.
Mahananda Teesta	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). Post-Monsoon (Nov'22) GW level data is 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).

IX. 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 19 km in Rampurhat-II block.
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, 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 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 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 (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 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 (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.

X. Rain WaterHarvesting:

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 (2 completed) 2) KMC- 10 (existing) & 3 (3 completed in 2020-2021 3)Diamond Harbour-I Block- 1 (existing) 4)Diamond Harbour-II Block- 1 (existing)
Churni	Hanskhali- 5 (existing)

In Ganga and Churni 12 Rooftop Rain Water Harvesting infrastructure have been constructed.

XI. Department of Environment has received a Report on demarcation of Flood Plain Zone of river Ganga which has been prepared by the Department of Geography, University of Calcutta. The final Report after considering the observation from different Departments is under preparation.

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 2.60 km bank protection works amounting Rs.14.40 Crore will be taken up at right bank of river Vidhyadhari 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 already completed by which 18900 people under 112 Ha areas may be benefitted. 3.00 km bank protection work amounting Rs.7.64 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. 1.88 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.11.17 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 is under progress, 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 already completed by which 13800 people under 700Ha areas may be benefitted.
Mathabhang a	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.
Dwarekeswa r	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. 0.87 crore is already 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. 4.49 Crore is already completed 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.
River	Demarcation of flood plain, removal of illegal encroachments from embankments and protection and management of flood
Karola	There is no illegal encroachment on the river embankments. 2.03 km bank protection work of Rs. 3.78 Crore is already completed 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 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 already completed, by which 4600 people under 158 Ha areas may be benefitted. Further, 4.50 km bank protection work of Rs. 12.96 Crore is also completed 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.

XII. 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.

XIII. 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	

Total 107.1 km of Vetiver plantation has been done in the Ganga and Churni adjoining districts.

XIV. Development of bio-Diversity 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
Mayurakshi	Plan of 18 ha biodiversity park	

Total 18 bio-diversity parks have been set up.

XV. Reuse of Treated Water:

GoWB has notified a policy on Re-use of Treated Waste Water on 30th June, 2020.

Use of treated Sewage Water at Budge Budge -

- ☐ A joint route survey has been done by NMCG, KMDA and CESE at Budge Budge STP for utilizing the treated water in the CESE power plant.
- ☐ An expert agency is being engaged to find out layout of underground utility as well as to prepare DPR.

Use of treated Sewage Water at Mahestala-

- ☐ We have also proposed the Concessioner of 35 MLD STP builder at Mahestala on HAM model to propose a reuse plan of 35 MLD treated water to Budge Budge thermal power plant. They are preparing the feasibility of the plan.

Use of treated Sewage Water at DVC (Durgapur) –

- ☐ Treated effluent is planned to be re-used in DVC after completion and commissioning of upcoming Asansol and Durgapur STP project.

XVI. Status of Preparation of Action Plan by the 13 Coastal States: Action Plan for Digha Coastal town has been prepared and it is under discussion.

XVII. 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.

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

1. West Bengal River Rejuvenation Committee is holding meeting regularly to examine the progress of work. The next Meeting is fixed on 7th June 2022.
2. State Environmental Monitoring Committee is holding meetings to assess the activities of all NGT cases.
3. Liquid Waste Monitoring Committee has been constituted by the UD&MA Dept., GoWB and meetings are being held fortnightly.
4. A Task Force for Solid Waste Management has been constituted by the UD&MA Dept., GoWB and the Task Force is regularly reviewing the progress of activities related to Solid Waste Management & Legacy Waste Management across the State.

Monitoring and Supervision of Pollution Abatement Measures **taken in River Ganga**

- The Department of UD & MA is closely monitoring the work of pollution abatement in the polluted river stretches of West Bengal with due care and concern. Review Meetings are being held by the highest authorities at every month to ensure timely completion of each project. Meetings were held under Chairmanship of Hon'ble Chief Secretary, Principal Secretary, Member Secretary WBPCB, and PD WBSPMG on several occasions.

MOM of the Chief Secretary held on 19.05.2023- Annexure-A.

MOM of the 16th RRC held on 30.06.2023- Annexure-B.

- **The water quality data for the Polluted River Stretches has shown substantial improvement and as such River Ganga has now put to lesser Priority Category. As per the latest Water Quality Report of WBPCB for the month of June 2023 (Annexure-D), BOD level everywhere is below the permissible level and as such Ganga now may be placed in Priority-V. This has been made possible due to sustained efforts in Solid and Liquid Waste Management. Even the level of Faecal Coliform has been improved. Remarkable improvement has been noticed in Nabadwip.**
- **To reduce the Faecal Coliform count, Faecal Sludge and Septage Management Policy has been notified by the Department of UD & MA vide Memo No. 33-UDMA/24011(99)/66/2021 dated 25.05.2022.**

Implementation strategy of the above-mentioned Policy will be as follows:

- In towns, where facility of STP will be available, the septage of the town will be co-treated in the STP.
- In other towns, facility for treatment of Faecal Sludge and Septage (FS &S) will be developed in a phased manner
- In some towns, if necessary, **cluster mode approach** will be taken up for construction of FSTP after assessing the proximity of ULBs, operational cost, transportation cost and overall management.
- Principal Secretary, Department of UD & MA has taken an elaborate meeting to chalk out the working procedure for construction of FSTPs on 14.03.2023.
- West Bengal is already having a Septage Management Plant, details of which are given as under:

Integrated Septage Treatment Plant for South Dumdum within Promodnagar Colony.

Capacity of the Plant	:- 30KLD(Commissioned)
Construction area	:- 0.562Acre
Area served	:- 13.54KM ²
No of ward served	:- 35Nos
Population served	:- 4,10,524(2011Census)

Components:-

1. Construction of 30KLD Septage Treatment Plant.
2. Augmentation & Refurbishment of existing Cesspool/ Night soil chamber.
3. Construction of approach road.
4. Supply of Cesspool.

- Another 30 KLD Septage treatment plant for North Dum Dum and Baranagar Municipalities is also fully operational.
- Construction of FSTPs in Burdwan is under Tendering Stage.
- DPR for construction of FSTPs in Ranaghat, Uttarpara-Kotturang and Bansberia and Pujali falling under Ganga basin have been internally prepared by KMDA and submitted to NMCG for approval.
- Presently, Septage and Sewage is co-treated in Gayespur, Nabadwip and Barrackpore STPs.
- The Pilot FSTP Projects at Siliguri and Kharagpur (on the reclaimed land of Legacy Waste Dumpsite) are also under Tendering stage.

Total Septage emptied upto 30.6.2023 in the functional STPs as below:

Gayeshpur - 45 KLD

Halisahar - 69 KLD

Budge Budge - 57.2 KLD

Nabadwip - 35 KLD

Barrackpore project (6 MLD) - 137.6 KLD

Barrackpore project (18 MLD) - 254.4 KLD

Total Amount of Septage emptied- 598.2 KLD

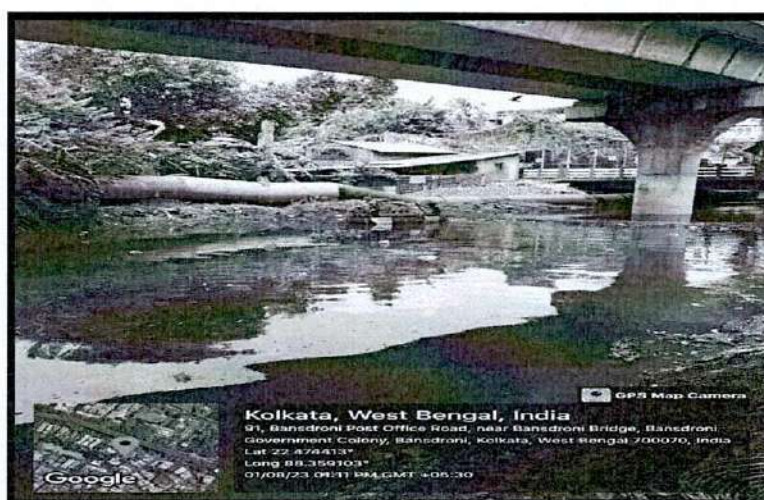
❖ **Tolly Nullah**

The DPR of Tolly Nullah Project has been divided into two tranches. The Tranche-I comprising of 03 STPs with some critical sewer lines amounting Rs. 653 crores has been approved. Bid has been prepared and sent to NMCG for approval on 05.04.2023.

Interim measures taken up by K.M.C.

- ❖ KMC has constructed 77 nos. of Community Sanitary Latrines, demolishing the make shift toilets amounting to an expenditure of approximately Rs.87 lakhs.
- ❖ All the khatahs along the banks of Tolly's Nullah (Adi Ganga) have been evicted.
- ❖ KMC has carried out temporary Fencing at vulnerable places of Br.X, Br.XI for about 2 km for restricting the access towards the Bank of Tolly's (Adi-Ganga) Nullah resulting in minimizing the solid wastes being dumped directly to the Nullah, amounting to an expenditure of around 15 lakhs.
- ❖ KMC is carrying out cleaning of floating garbage on regular basis by installing 10 nos. of floating garbage arrester.
- ❖ KMC has installed 04 nos. of organic Composter as follows:
 - Wardno.114, Kudghatbazar
 - Wardno.115, near Karunamoyee Temple, kudghat
 - Wardno.82, near Chetla Bridge
 - Wardno.73, Balaram Bose Ghat

- ❖ KMC has carried out Awareness Campaigns on Regular basis. It has placed the Banner in Bengali language across the major Ghats of Tolly's Nullah (Adi-Ganga) to make the people aware.
- ❖ KMC has carried out urgent reexcavation/dredging at most polluted stretch of the upstream of Tolly's Nullah (Adi-Ganga) i.e. nearly 4.6 km, amounting to an expenditure of approximately Rs.1.3 crores.
- ❖ It has engaged one Consultant for preparation of DPR for "Detail Survey for Dredging and to ascertain proposed beautification of Tolly's Nullah (Adi-Ganga) of length about 15.5 km and preparation of DPR". The work order for which has been issued on 08/02/2021 and the Report is expected to be submitted soon.
- ❖ It has already prepared estimate for Dredging of Tolly's Nullah (Adi-Ganga) from confluence point of Ganga to Chetla Bridge, amounting to Rs 11.16 cr. The work of dredging already started and the work is in under process. Below are some photographs showing the water quality of Adi Ganga after dredging and sustained pollution abatement measures.



☐ **Mandatory Site Inspection Reports of the Engineers.**

The Department of UD & MA has made out an Order no 115-UDMA-24011(99)/7/2021-JS(UDMA) dated 02.02.2021 where in it has made all Engineers to visit sites compulsorily twice a month and submit a Report on the progress of the work along with good quality photographs (The site inspection Report of KMDA for the month of June 2023. (Annexure-C)

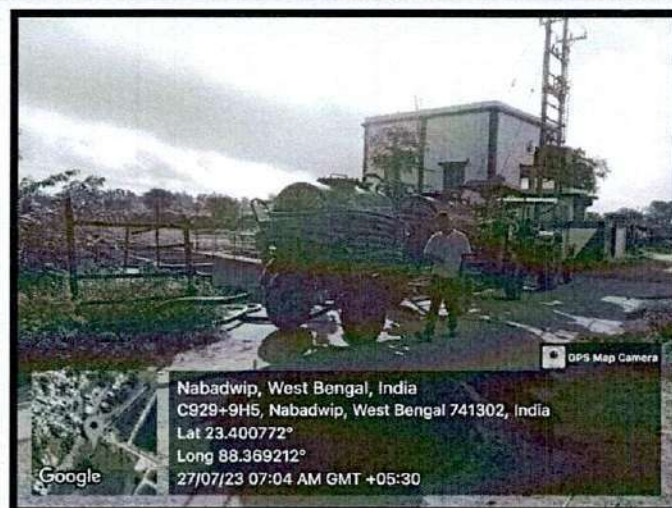
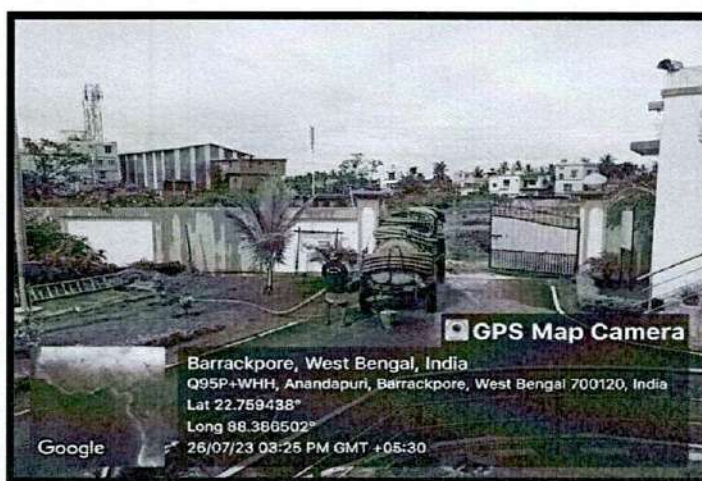
List of Some GOOD WORK done

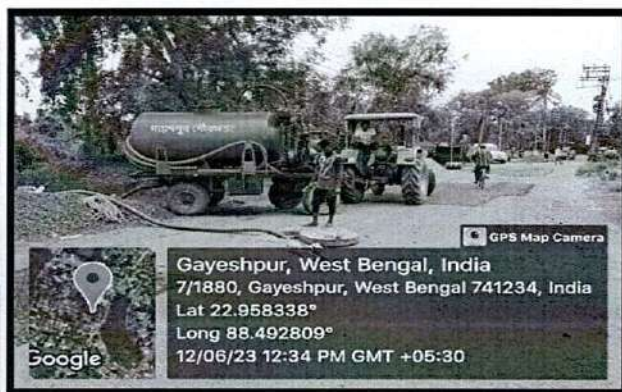
1. West Bengal is using the treated water extensively in Agricultural activities, Pisciculture and Gardening at different locations including EKW, Durgapur, Nabadwip, Bandipur, Konnagar and Kharda.
2. WBSPMG is setting up Stalls in different Melas, Events for mass awareness towards pollution abatement and also showcasing the use of treated water for Gardening, agricultural activities and Pisciculture. We have already booked stalls in Ganga Sagar Mela, Book Fair and other Melas for this purpose as use of Treated Water is a huge challenge in water abundant states like ours.
3. We have displayed the Design Parameters in all our STPs and we are now integrating these data in the Paribesh App of WBPCB so that the compliance status is instantly available in the App after water quality testing.

Photographs of IEC Activities of WBSPMG



Photographs of emptying of Faecal Sludge in the functional STPs through Cess Pool





- In addition to this, Department of UD & MA has also brought out an Order for fixing up the accountability & responsibility by way of incorporating Targets to be achieved, Shortfall if any with reasons in the SAR for the Officers & engineers engaged in the pollution abatement program.
- *The STPs of Howrah HAM Project is taking sewer water from today i.e 03.05.202 within the stipulated time. The progress of STP Project in Hooghly-Chinsurah is also very satisfactory and is expected to be completed in the due target date.*

List of Annexures

Annexure I- Report from P&R D

Annexure II- Report from SUDA

Annexure III- Report from Forest Department

Annexure-IV- Report from Agriculture Department

Annexure A- MOM of Chief Secretary held on 19.05.2023

Annexure B-MOM of 16th RRC held on 30.06.2023

Annexure C-Site Visit Report, KMDA June 2023

Annexure D-Water Quality Report from CPCB

GOVERNMENT OF WEST BENGAL
PANCHAYATS & RURAL DEVELOPMENT DEPARTMENT
Joint Administrative Building (6th to 10th Floors), HC-7, Sector-III
Bidhannagar, Kolkata-700106



No. 2192(2)-PRD-24023(11)/1/2020

Dated 13.07.2022

From: Mission Director, SBM (G) &
Additional Secretary to the Govt. of West Bengal+

To: 1) Chief Executive Officer
Kolkata Metropolitan Development Authority
2) Additional Secretary to the Govt. of West Bengal
Department of Environment

Sub: Status report on SLWM in June 2023 on the directives of Hon'ble NGT – reg.

Madam/ Sir,

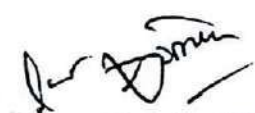
With reference to the subject cited above, please find status report on Solid & Liquid Waste Management (SLWM) for the month of June 2023 in respect of , i) Ganga bordering GPs and ii) Polluted river stretches in connection with the compliance of directives of Hon'ble National Green Tribunal as per the O.A. No. 200/2014 and O.A. No. 673/2018 respectively for your kind perusal and necessary action.

Yours faithfully,

Mission Director, SBM (G) &
Addl. Secretary to the Govt. of West Bengal

Status report on Solid Waste Management in 224 Ganga bordering GPs (also LWM)
As per O.A. 200/2014 (as on 30.06.2023)

Sl. No.		Item	June ,23
1.	General Profile	No. & Name of Districts involved	7
2		No. of Blocks involved	46
3		No. of GPs involved	224
4		No. of Sansad involved	3,539
5		No. of total household of Gram Panchayats	11,03,555
6	Progress of SWM	No. of GPs where IEC done	223
7		No. & Name of Districts where SWM activity undertaken	7
8		No. of Blocks where SWM activity undertaken	46
9		No. of GPs where SWM activity undertaken	223
10		No. of Sansad where SWM activity undertaken	454
11		Total no. of household covered by SWM	1,03,763
12		No. of GP for which DPR has been prepared	223
13		No. of GP for which DPR has been approved by P&RD	79
14		No. of household where composting is done at household level	4,045
15		No. of GP wherein land has been identified for CPU	74
16		No. of GP wherein CPU is under construction	0
17		No. of GP wherein construction of CPU is completed	45
18		No. of GP where CPU is functional	29
19		No. of household where segregation is done	17,156
20		No. of households wherefrom solid waste is collected	24,616
21		Quantity of biodegradable waste collected (Kg/ day) in June, 23	2,948.60
22		Quantity of non-biodegradable waste collected (Kg/ week) in June'23	6,877
23		Quantity of compost produced (Kg/month) in June,23	11,475.95
24		Quantity of compost marketed (in Kg/ month) in June'23	8,325
25		Quantity of recyclable items sold (in Kg/ month) in June'23	588
26		Total revenue earned (per month) (Rs. in Lakh) in June'23	1.45250
27		No. of GPs where use of plastic (< 50 micron) banned	114
28		No. of GPs where networking of vendors for recyclable wastes done	4
29		No. of PWMU established	3
30	Progress of LWM	Total no. of private tube well	2,26,218
31		Total no. of private tube well with platform	1,46,138
32		Total no. of private tube well with soakpit	92,325
33		Total no. of public tube well	27,742
34		Total no. of public tube well with platform	20,637
35		Total no. of public tube well with soakpit	16,060
36		Total no. of ponds where duckweed cultivation is done	459
37		Total no. of beautification project undertaken	96
38		Total no. of saplings planted in last 2 years	22,13,225


Mission Director, SBM(G) &
Addl. Secretary to the Govt. of West Bengal

Monthly report of 17 polluted river adjoining Gram Panchayats
As per O.A. 673 (as on 30.06.2023)

Sl. No.		Item	June '23
1.	General Profile	No. & Name of Districts involved	12
2		No. of Blocks involved	62
3		No. of GPs involved	* 221
4		No. of Sansad involved	3,630
5		No. of total household of Gram Panchayats	9,80,833
6	Progress of SWM	No. of GPs where IEC done	202
7		No. & Name of Districts where SWM activity undertaken	12
8		No. of Blocks where SWM activity undertaken	61
9		No. of GPs where SWM activity undertaken	202
10		No. of Sansad where SWM activity undertaken	291
11		Total no. of household covered by SWM	164
12		No. of GP for which DPR has been prepared	220
13		No. of GP for which DPR has been approved by P&RD	4,091
14		No. of household where composting is done at household level	174
15		No. of GP wherein land has been identified for CPU	16
16		No. of GP wherein CPU is under construction	20
17		No. of GP wherein construction of CPU is completed	12
18		No. of GP where CPU is functional	13,235
19		No. of household where segregation is done	9,147
20		No. of households wherefrom solid waste is collected	3,010
21		Quantity of biodegradable waste collected (Kg/ day) in June,23	7,708.50
22		Quantity of non-biodegradable waste collected (Kg/ week) in June'23	12,646
23		Quantity of compost produced (Kg/month) in June,23	6,027
24		Quantity of compost marketed (in Kg/ month) in June'23	515
25		Quantity of recyclable items sold (in Kg/ month) in June'23	Rs.70,000
26		Total revenue earned (per month) (Rs. in Lakh) in June'23	77,603
27		No. of GPs where use of plastic (< 50 micron) banned	190
28		No. of GPs where networking of vendors for recyclable wastes done	3
29		No. of PWMU established	0
30	Progress of LWM	Total no. of private tube well	1,98,169
31		Total no. of private tube well with platform	1,20,798
32		Total no. of private tube well with soakpit	73,198
33		Total no. of public tube well	37,304
34		Total no. of public tube well with platform	27,905
35		Total no. of public tube well with soakpit	15,344
36		Total no. of ponds where duckweed cultivation is done	832
37		Total no. of beautification project undertaken	112
38		Total no. of saplings planted in last 2 years	10,79,026



**Mission Director, SBM (G) &
Addl. Secretary to the Govt. of West Bengal**

Progress report regarding Solid Waste Management of 43 Ganga Towns

Sl. No.	Name of the Components	Status	Remarks
1.	100% Scientific Management of municipal Solid waste in Ganga Towns	9(Nine) waste processing plants at Baidyabati, Rishra, Srerampore, Konnagar, Uttarpara Kotrang, Champdany, Haldia, Kolkata MC and Krishnanagar are functioning at present including one no RWMC with SLF has been set up at Baidyabati, that caters six Ganga towns of Hooghly District. Upgradation of the plants has been proposed by the Transaction Advisors engaged for assisting State Govt, towards Scientific planning of SWM. For waste processing unit and O&M : Work order issued for 29 ULBs, Tender in different stages for 7 ULBs and to be processed through SHG mode in 4 ULBs, out of that workorder issued for 2 ULBs. Plant in operation (Krishnanagar and Haldia) and 500 TPD plant is under operation in Kolkata MC. For legacy waste removal through bio mining: Out of 44 dumpsites of 42 ULBs work completed in 14 dumpsites of 11 ULBs, work started in 26 dumpsites of 28 ULBs and remaining are in different stages of tender. Till date 34.44 lakh household bins (green and blue colour) provided to these Ganga Towns and 23684 Community bins (green and blue colour) also provided	Microplanning Organizations have been engaged for assisting State Govt, towards Scientific planning of SWM for each and every ULBs.
2.	Status of open dump sites and GVPs along River Ganga.	There are no open dump sites present along River Ganga.	
3.	Screening arrangements and their regular cleaning at all nullahs in Ganga Towns.	Out of 402 drains discharging to River Ganga 400 Drains on which screens have been provided and they are being cleaned at a regular intervals. In rest 2 no. of drains, screen installation is not technically feasible, bio-remediation & phyto-remediation measures undertaken.	List showing the name of the ULBs with details has been attached.
4.	Regular Ghat cleaning.	100% cleaning operation is being done by all the respective ULBs on regular basis. Bins have been provided at every Ghat.	
5.	Anti littering message	Anti littering messages have been displayed on each and every Ghats.	
6.	Progress in SBM-U matters	ODF status Achieved- Self Declared: 43 ULBs, Gol declared ODF: 38 ULBs Target for IHHL construction-67851 nos IHHL construction Completed=66244 nos (98%) IHHL Geo-tagging Completed-65731 nos	
7	Inspection of Ghats	Report Annexed	

Townwise Progress of SWM Projects in 43 Ganga Towns

West Bengal

Sl. No.	Town	2011 Population	Total Waste Generation (TPD)	Ward-wise Status of SWM			Status of Waste Processing Plant(s) (all capacities are in TPD)						
				No. of Wards	Wards with D2D Collection	% Wards with D2D Collection	Plant Operational	Under Construction	DPR approved	DPR submitted for approval	DPR to be Prepared	Target Date for plant commissioning	Remarks
1	Baidyabati	121110	68	23	23	100%	68			0	0		LoA cum Work Order Issued
2	Bansberia	103920	39	22	22	100%	29.5		9.5				LoA cum Work Order Issued
3	Baranagar	245213	145	34	34	100%		50	95		0		LoA cum Work Order Issued
4	Barrackpore	152783	50	24	24	100%			50				LoA cum Work Order Issued
5	Berhampore	195223	90	28	28	100%	0		90				LoA cum Work Order Issued
6	Bhadreswar	101477	23	22	22	100%	22.53						LoA cum Work Order Issued
7	Bhatpara	383762	205	35	35	100%	15.98	95	110				Tender to be floated
8	Budge Budge	76837	37	20	18	90%	28.54		8.46				LoA cum Work Order Issued
9	Chakdah	95203	68	21	21	100%	0		68				LoA cum Work Order Issued
10	Champdany	111251	59	22	16	73%	20		39		0		LoA cum Work Order Issued
11	Chandannagore MC	166867	71.44	33	33	100%	41		30				LoA cum Work Order Issued
12	Dhulian	95706	45	21	21	100%	0		45				Tender to be floated
13	Diamond Harbour	41802	18	16	12	75%	12.69		5.31				Work Order Issued for soil testing, designing, drawing and estimate including vetting by JU for SHG Mode ULBs in Fresh Waste Processing
14	Garulia	85336	45	21	21	100%	21		24				LoA cum Work Order Issued
15	Gayeshpur	58998	60	18	18	100%	0		60				LoA cum Work Order Issued
16	Haldia	200827	80	29	29	100%	80						Already Existing
17	Halisahar	124939	52	23	22	96%	11.3		40.7				LoA cum Work Order Issued
18	Hooghly Chinsurah	177259	75	30	30	100%	39.78		35.22				LoA cum Work Order Issued
19	Howrah MC	1077075	910	66	64	97%	10.57		899.43				Tender to be floated
20	Jangipur	88165	40	21	21	100%	0		40				Tender to be floated
21	Jiaganj-Azimganj	51790	21	17	15	88%	0		21				Bid under evaluation for soil testing, designing, drawing and estimate including vetting by JU for SHG Mode
22	Kalyani	100575	56	21	21	100%	2.65		53.35				LoA cum Work Order Issued
23	Kamarhati	330211	155	35	32	91%			155		0		LoA cum Work Order Issued
24	Kanchrapara	120345	64	24	23	96%	20.33		43.67				LoA cum Work Order Issued
25	Katwa	81615	32	20	20	100%			32				To be processed through SHG
26	Khardah	108496	65	22	22	100%			65				LoA cum Work Order Issued
27	Kolkata MC	4496694	4590	144	144	100%	550				4090		300 MTD Plant in operation. Tender for remaining waste under process
28	Konnagar	76172	30	20	20	100%	25		5				LoA cum Work Order Issued
29	Krishnanagar	153062	130	24	24	100%	130		0				Already Existing
30	Maheshtala	448317	184	35	35	100%	27.32		156.68				LoA cum Work Order Issued
31	Murshidabad	44019	32	16	15	94%	2.5		29.5				Tender to be floated
32	Nabadwip	125543	54	24	23	96%	10.6		43.4				LoA cum Work Order Issued
33	Naihati	217900	165	31	31	100%	8.76	60	156.24				LoA cum Work Order Issued
34	North Barrackpore	132806	47	23	23	100%			47				Tender to be floated

Sl. No.	Town	2011 Population	Total Waste Generation (TPD)	Ward-wise Status of SWM			Status of Waste Processing Plant(s) (all capacities are in TPD)						
				No. of Wards	Wards with D2D Collection	% Wards with D2D Collection	Plant Operational	Under Construction	DPR approved	DPR submitted for approval	DPR to be Prepared	Target Date for plant commissioning	Remarks
35	Panihati	377347	169	35	30	86%			169				LoA cum Work Order Issued
36	Pujali	37047	15.6	16	0	0%	2.53		13.07				Work Order Issued for soil testing, designing, drawing and estimate including vetting by JU for SHG Mode ULBs in Fresh Waste Processing
37	Raiganj	183612	90	27	27	100%			90				Tender to be floated
38	Rishra	124577	50	23	22	96%	45		5				LoA cum Work Order Issued
39	Santipur	151777	68	24	24	100%			68				LoA cum Work Order Issued
40	Serampore	181842	90	29	29	100%	78		12				LoA cum Work Order Issued
41	Titagarh	116541	65	23	23	100%	5.73		59.27				LoA cum Work Order Issued
42	Uluberia	222240	118	32	23	72%	0		118				LoA cum Work Order Issued
43	Uttarpara Kotrung	159147	90	24	24	100%	40		50				LoA cum Work Order Issued
Total		11745428	8561.04	1218	1164	96%	1349.3	205	3042	0	4090		

Legacy Waste Processing Ganga Town

SL. No.	District	ULB	No. of Dump sites	Area (In Acre)	Estimated Quantity of Legacy Waste (in MT)	Present Position	Target date of Completion	Quantity of Legacy Waste processed till date (MT)	Acre reclaimed
1	MURSHIDABAD	Jangipur	1	0.33	3211.208	Completed	COMPLETE	3,200.00	0.33
2	NADIA	Krishnanagar	1	15.99	51802	Completed	COMPLETE	50,942.00	8.00
3	SOUTH 24-PARGANAS	Budge Budge	1	3.48	20,721	Completed	COMPLETE	20,721.00	0.00
4	NADIA	Gayeshpur	2	5.00	12465.00	Completed	COMPLETE	9,116.21	5.00
5	MURSHIDABAD	Jiaganj-Azinganj	1	3.07	19,426	Completed	COMPLETE	18,024.00	1.69
6	NADIA	Kalyani	2	14.00	60543.00	Completed	COMPLETE	55,121.91	14.00
7	NORTH 24-PARGANAS	Kanchrapara	1	5.00	24,282	Completed	COMPLETE	24,282.00	
8	NADIA	Nabadwip	1	12.99	22097	Completed	COMPLETE	83,967.00	12.35
9	NADIA	Santipur	1	6.50	83967	Completed	COMPLETE	21,873.00	4.55
10	HOWRAH	Uluberia	2	13.77	28394.00	Completed	COMPLETE	28,394.00	13.49
11	MURSHIDABAD	Murshidabad	1	5.38	94,059	Completed	COMPLETE	94,059.00	5.38
12	NORTH 24-PARGANAS	Barrackpore	1	5.00	72,846	Started	June, 23	70,689.00	1.16
13	MURSHIDABAD	Berhampore	1	2.40	55,946	Started	June, 23	1,23,981.00	1.80
14	NORTH 24-PARGANAS	Bhatpara	2	16.55	58260.00	Started	June, 23	58,352.00	12.31
15	HOOGHLY	Chandannagore MC	1	5.20	2,15,916	Started	June, 23	1,89,365.00	3.25
16	SOUTH 24-PARGANAS	Diamond Harbour	1	2.00	9350	Started	June, 23	7,324.00	0.89
17	NORTH 24-PARGANAS	Garulia	1	3.00	52,449	Started	June, 23	40,378.00	1.06
18	NORTH 24-PARGANAS	Halisahar	1	1.05	6799	Started	Dec-23	6,799.00	0.85
19	HOOGHLY	Hooghly Chinsurah	1	6.50	1,26,266	Started	June, 23	78,639.00	2.45
20	NORTH 24-PARGANAS	Khardah	1	4.29	46118	Started	June, 23	44,398.00	3.81
21	SOUTH 24-PARGANAS	Maheshtala	1	19.61	2,30,517	Started	June, 23	1,40,865.00	9.86
22	NORTH 24-PARGANAS	Panihati	1	1.90	51767.35	Started	June, 23	20,600.00	0.00
23	UTTAR DINAJPUR	Raiganj	1	4.00	38,463	Started	June, 23	38,429.02	1.12
24	NORTH 24-PARGANAS	Titagarh	1	5.00	120886	Started	June, 23	56,015.00	0.45
25	KOLKATA	Kolkata MC	2	143.51	4150000.00	Started	June, 2024	5,80,023.00	10.00
26	NORTH 24-PARGANAS	Baranagar	1	22.68	854726	Started	April, 2024	3,35,680.00	8.00
27	NORTH 24-PARGANAS	North Dum Dum							
28	MURSHIDABAD	Dhulian	1	2.00	2068	Started	Nov-23	569.00	
29	NORTH 24-PARGANAS	Naihati	3	23.94	300000.00	Started	June, 23	1,78,250.00	11.13
30	NORTH 24-PARGANAS	Kamarhati	1	8.00	155764	Started	December, 2023	15,260.00 MT	1.00
31	HOOGHLY	Bhadreswar	1	0.42	14,238	Work Order Issued	December, 2023		
32	HOOGHLY	Baidyabati							
33	HOOGHLY	Chanddany							

SL. No.	District	ULB	No. of Dump sites	Area (In Acre)	Estimated Quantity of Legacy Waste (in MT)	Present Position	Target date of Completion	Quantity of Legacy Waste processed till date (MT)	Acre reclaimed
34	HOOGHLY	Rishra	1	52.00	2,20,794	Work Order Issued	December, 2023		
35	HOOGHLY	Serampore							
36	HOOGHLY	UttarparaKotrung							
37	HOOGHLY	Konnagar							
38	NADIA	Chakdah	1	5.00	19426	Work Order Issued	December, 2023		
39	PURBA BARDHAMAN	Katwa	1	2.00	3,885	Work Order Issued	December, 2023		
40	HOOGHLY	Bansberia	2	2.79	7354.00	AA&FS Awaited	December, 2023		
41	HOWRAH	Howrah MC	1	21.99	9,61,567	Tender Under Evaluation	December, 2023		
42	HOWRAH	Bally	1	3.00	11,655	Tender Under Evaluation	December, 2023		
TOTAL			44	449.31	7865845.56			2395316.14	133.93

Status of supply of SWM Vehicles and Equipments

Sl No	ULB	District	BINS Supplied	Battery Operated Tipper Seperated Supplied	TOTAL FUEL OPERATED TIPPER, Seperated Supplied	TRI-CYCLE VAN supplied	BACK HOE LOADER	DUMPER	MOVABLE COMPACTOR, LARGE, 14 cum	MOVABLE COMPACTOR, SMALL, 8 cum	STATIONARY COMPACTOR, 10.5 cum	HOOK LOADER	Community Bin
1	Katwa	Bardhaman	48000	6	5	70		1	1				399
2	KMC	Kolkata			0								
3	Howrah MC	Howrah	549344		8	200							1716
4	Uluberia	Howrah	148408	6	14	180		1	2	1	1	1	696
5	Baidyabati	Hooghli	79800	12	15	154	1	1	2				528
6	Bhadreswar	Hooghli	56000	12	14	100	1	1	2				528
7	Chanddany	Hooghli	68000	4	4	100		1	2				528
8	Chandannagore MC	Hooghli	95242	14	16	140	1	1	2	1	1	1	858
9	Hooghly Chinsurah	Hooghli	92042	5	5	80	1	1	2	1			720
10	Konnagar	Hooghli	48374	5	4	72	1	1	1				420
11	Rishra	Hooghli	60138	10	14	95	1	1	2				552
12	Serampore	Hooghli	84000	6	5	132	1	1	2	1			696
13	Uttarpara Kotrung	Hooghli	104370	5	16	195	1	1	2				576
14	Berhampore	Murshidabad	96400	6	5	170		1	2	1			672
15	Dhuliyan	Murshidabad	43484	7	8	60	1	1	2				456
16	Jangipur	Murshidabad	42016	6	6	20		1	2				480
17	Jiaganj-Azinganj	Murshidabad	30228	5	4	30	1	1	1				357
18	Murshidabad	Murshidabad	25490	6	5	80	1	1	1				336
19	Chakdah	Nadia	60750	5	4	50		1	2				504
20	Gayeshpur	Nadia	37562	4	9	50		1	1				378
21	Kalyani	Nadia	71000	9	9	143	1	1	2				480
22	Krishnanagar	Nadia	84616	8	8	140		1	2				800
23	Nabadwip	Nadia	70926	10	16	100		1	2				504
24	Santipur	Nadia	78124		8	160		1	2				800
25	Baranagar	North 24 Pgs	110000	5	15	160		1	2	3	1	1	200
26	Barrackpore	North 24 Pgs	75312	4	16	80		1	2				576
27	Bhatpara	North 24 Pgs	0	6	8	241		1	2	1	1	1	510
28	Garulia	North 24 Pgs	37764	5	13	102		1	2				378
29	Halisahar	North 24 Pgs	71000	5	16	33	1	1	2				552
30	Kamarhati	North 24 Pgs	190000	10	21	220	1	1	2	1	1	1	840
31	Kanchrapara	North 24 Pgs	59588	5	10	105		1	2				525
32	Khardah	North 24 Pgs	52000	4	13	113		1	2				528
33	Naihati	North 24 Pgs	26300	5	15	80		1	2	1	1	1	800
34	North Barrackpore	North 24 Pgs	65128	5	5	60		1	2		1	1	552
35	Panihati	North 24 Pgs	180000	5	15	320		1	2	1	1	1	552
36	Titagarh	North 24 Pgs	47738	6	5	102	1	1	2				552
37	Haldia	Purba Medinipur	114014	6	15	40		1	2	1			624
38	Budge Budge	South 24 Pgs	29476	5	4	100		1	1				420
39	Diamond Harbour	South 24 Pgs	33484	5	4	82		1	1				336
40	Maheshtala	South 24 Pgs	192943	11	6	270		1	3	1	1	1	840
41	Pujali	South 24 Pgs	18600	5	5	32		1	0				315
42	Raiganj	Uttar Dinajpur	66388	14	0	50		1	2	1			600
TOTAL			3444049	262	388	4711	15	40	72	15	9	9	23684

Status Report for Installation of Screen at the Drains

Serial No.	Name of the Ganga Town	No. of Nallahs discharging into Ganga	Nallahs having screens	No. of Nallahs where Screens yet to be installed	Date for completing installation of Screens	How many screens are temporary?	Date for making screens permanent	Whether regular cleaning arrangement exists	Remarks
1	Baidyabati	24	24	0	-	0	N. A.	Yes	
2	Bansberia	16	16	0	-	0	N. A.	Yes	
3	Baranagar	5	5	0	-	0	N. A.	Yes	
4	Barrackpore	2	2	0	-	0	N. A.	Yes	
5	Bhadreswar	6	6	0	-	0	N. A.	Yes	
6	Bhatpara	21	21	0	-	0	N. A.	Yes	
7	Budge Budge	3	3	0	-	0	N. A.	Yes	
8	Chakdah	0	0	0	-	-	-	-	
9	Chandernagore MC	9	9	0	-	0	N. A.	Yes	
10	Dhuliyan	13	13	0	-	0	N. A.	Yes	
11	Diamond Harbour	7	7	0	-	0	N. A.	Yes	
12	Gayeshpur	0	0	0	-	-	-	-	
13	Halisahar	11	11	0	-	0	N. A.	Yes	
14	Jangipur	16	16	0	-	0	N. A.	Yes	
15	Jiaganj-Azimganj	5	5	0	-	0	N. A.	Yes	
16	Kalyani	2	2	0	-	0	N. A.	Yes	
17	Kamarhati	11	11	0	-	0	N. A.	Yes	
18	Kanchrapara	0	0	0	-	0	N. A.	Yes	
19	Katwa	7	7	0	-	0	N. A.	Yes	
20	Khardah	12	12	0	-	0	N. A.	Yes	
21	Konnagar	6	6	0	-	0	N. A.	Yes	
22	Krishnanagar	0	0	0	It is not a Ganga Town	0	N. A.	Yes	
23	Murshidabad	8	8	0	-	0	N. A.	Yes	
24	Nabadwip	3	3	0	-	0	N. A.	Yes	
25	Naihati	4	4	0	-	0	N. A.	Yes	
26	North Barrackpore	11	11	0	-	0	N. A.	Yes	
27	Panihati	7	7	0	-	0	N. A.	Yes	
28	Pujali	2	2	0	-	0	N. A.	Yes	
29	Santipur	0	0	0	-	0	N. A.	Yes	
30	Serampore	15	15	0	-	0	N. A.	Yes	
31	Titagarh	3	3	0	-	0	N. A.	Yes	
32	Uttarpara-Kotrung	9	9	0	-	0	N. A.	Yes	
33	Rishra	4	4	0	-	0	N. A.	Yes	
34	Hooghly-Chinsurah	42	42	0	-	0	N. A.	Yes	
35	Uluberia	10	10	0	-	0	N. A.	Yes	
36	Maheshtala	10	10	0	-	0	N. A.	Yes	
37	Chanddany	3	3	0	-	0	N. A.	Yes	
38	Berhampur	33	33	0	-	0	N. A.	Yes	
39	Garulia	10	10	0	31.10.2019	0	N. A.	Yes	
40	Haldia	8	8	0	13.02.2020	0	N. A.	Yes	
41	Kolkata MC	14	14	0	-	0	N. A.	Yes	
	TOTAL	372	372	0					
1	Howrah MC	30	28	2	-	0	N. A.	Yes	2 belongs to KMDA, 2nos under Irrigation Dept. As per Exe. Engg. all the works for installation of screen, has been awarded to KMDA & 2 nos screen has already been installed.
	TOTAL	30	28	2					
	GRAND TOTAL	402	400	2					

IHHL and ODF Status : 43 ULBs (Ganga Town)

1. ODF Inspection done by Gol Third Party Org. - 38 ULBs

2. ODF Declared by Gol Third Party Org.- 38 ULBs

3. Self Declared as ODF- 43 ULBs

4. ODF Inspection need to be done-5 ULBs

Sl No	District	ULB	Initial Target	Final Revised Target	Construction completed	Online uploaded	ODF Inspection done by Gol Third Party Org.	ODF Certified by Gol Third Party Org.	Self Declared as ODF
1	HOOGHLY	Baidyabati	1303	632	632	629	Yes	Yes	Yes
2	HOOGHLY	Bansberia	2993	1140	1140	1140	Yes	Yes	Yes
3	HOOGHLY	Bhadreswar	3006	1200	1200	1200	Yes	Yes	Yes
4	HOOGHLY	Chanddany	2666	2315	1765	1609	Yes	Yes	Yes
5	HOOGHLY	Chandannagore MC	2860	144	144	144	Yes	Yes	Yes
6	HOOGHLY	Hooghly Chinsurah	6355	710	707	651	Yes	Yes	Yes
7	HOOGHLY	Konnagar	409	47	47	47	Yes	Yes	Yes
8	HOOGHLY	Rishra	1716	616	616	616	Yes	Yes	Yes
9	HOOGHLY	Serampore	1821	582	547	547	Yes	Yes	Yes
10	HOOGHLY	Uttarpara Kotrung	2409	183	183	183	Yes	Yes	Yes
11	HOWRAH	Howrah MC	6822	0	0	0	No	Not visited Gol Third Party Org.	Yes
12	HOWRAH	Uluberia	8837	8670	8670	8670	Yes	Yes	Yes
13	KOLKATA	Kolkata MC	68868	0	0	0	No	Not visited Gol Third Party Org.	Yes
14	MURSHIDABAD	Berhampore	1953	2837	2837	2837	Yes	Yes	Yes
15	MURSHIDABAD	Dhulia	6104	7990	7990	7990	Yes	Yes	Yes
16	MURSHIDABAD	Jangipur	2132	2702	2702	2702	Yes	Yes	Yes
17	MURSHIDABAD	Jiaganj-Azimganj	1888	2017	2017	2017	Yes	Yes	Yes
18	MURSHIDABAD	Murshidabad	1221	1500	1500	1500	Yes	Yes	Yes
19	NADIA	Chakdah	495	705	495	425	Yes	Yes	Yes
20	NADIA	Gayeshpur	574	519	519	519	Yes	Yes	Yes
21	NADIA	Kalyani	659	654	654	651	Yes	Yes	Yes
22	NADIA	Krishnanagar	1736	1817	1817	1817	Yes	Yes	Yes
23	NADIA	Nabadwip	2454	2454	2454	2454	Yes	Yes	Yes
24	NADIA	Santipur	2629	1852	1852	1852	Yes	Yes	Yes
25	NORTH 24-PGS	Baranagar	1355	516	516	516	Yes	Yes	Yes
26	NORTH 24-PGS	Barrackpore	2115	335	300	300	Yes	Yes	Yes
27	NORTH 24-PGS	Bhatpara	2346	1618	1574	1391	Yes	Yes	Yes
28	NORTH 24-PGS	Garulia	1323	222	222	222	Yes	Yes	Yes
29	NORTH 24-PGS	Halisahar	4502	163	163	163	No	Not visited Gol Third Party Org.	Yes
30	NORTH 24-PGS	Kamarhati	2621	342	300	300	Yes	Yes	Yes
31	NORTH 24-PGS	Kanchrapara	1366	704	704	702	Yes	Yes	Yes
32	NORTH 24-PGS	Khardah	908	208	208	205	Yes	Yes	Yes
33	NORTH 24-PGS	Naihati	1520	1115	1115	1115	No	Not visited Gol Third Party Org.	Yes
34	NORTH 24-PGS	North Barrackpore	2132	302	302	302	Yes	Yes	Yes
35	NORTH 24-PGS	Panihati	4193	1000	1000	985	Yes	Yes	Yes
36	NORTH 24-PGS	Titagarh	440	440	440	438	Yes	Yes	Yes
37	PURBA BARDHAMAN	Katwa	832	1232	1232	1232	Yes	Yes	Yes
38	PURBA MEDINIPUR	Haldia	2813	2813	2813	2813	Yes	Yes	Yes
39	SOUTH 24-PGS	Budge Budge	2707	977	977	977	Yes	Yes	Yes
40	SOUTH 24-PGS	Diamond Harbour	896	1595	1595	1595	Yes	Yes	Yes
41	SOUTH 24-PGS	Maheshtala	45658	6562	6562	6562	Yes	Yes	Yes
42	SOUTH 24-PGS	Pujali	716	510	510	510	Yes	Yes	Yes
43	UTTAR DINAJPUR	Raiganj	5431	5911	5203	5203	No	Not visited Gol Third Party Org.	Yes
			215784	67851	66224	65731	Yes=38 No=5	Yes=38	Yes=43

O.A. 673/2018 for the month of June, 2023**1. Plantation Activities**

River	Details of plantation activities along the river
1. Ganga (Plantation on both sides of the river)	Advance (Nursery work) 100% completed in March, 2021. Due to non release of creation fund rest of work yet to be started.
2. Churni (Plantation on both sides of the river)	Advance (Nursery work) 100% completed. Creation work 100% completed during 2021-22. Maintenance work is also completed during 2022-23.

2. Development of Bio-Diversity Park

River	Details of setting up Bio-diversity Parks by removing encroachment along the river.
1. Ganga	Not applicable
2. Churni	

Shand 06.07.2023
 Chief Conservator of Forests, SDP
 & Member Secretary, WBSFDA

O.A. 673/2018 upto 03rd July, 2023Details of each existing STP: Not applicable for Agriculture Department

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP

1. Details of under construction STPs: Not applicable for Agriculture Department

No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline

2. Details of proposed STPs: Not applicable for Agriculture Department

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

3. Drain details: Not applicable for Agriculture Department

River name	No. of drains falling in the river	No. of drains having floating racks/screens installed to prevent solid waste from falling into the river
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4. Alternate treatment details: Not applicable for Agriculture Department

River name	Polluting drain	In-situ treatment details	MLD treated	Details of parameters before treatment	Details of parameters after treatment

5. Reuse of treated water- Not applicable for Agriculture Department

Location of STP/Alternate Treatment	MLD of treated water generated	Details of the reused water
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6. Ground water regulation- Not applicable for Agriculture Department

7. Good irrigation practices

River	Details of adopting good irrigation practices						
Ganga	District	Block	Total Beneficiary Regd.	Coverage Area (Ha.)	Budgetary Estimate (Rs.)	Expenditure (Rs.)	Works Completed (Rs.)
	Howrah	Bagnan-I	12	0.82	211212.45	0	187398
		Bagnan-II	18	1.18	273467.7	0	159720
		Uluberia-I	3	0.36	45577.95	0	0
	South 24-Parganas	Budge Budge-I	17	0.76	354610.55	0	0
		Budge Budge-II	9	1.33	146367.4	0	0
	Total		59	4.45	1031236	0	347118
Churni	Nadia	Ranaghat-I	39	4.53	1409977.05	0	0
		Hanskhali	58	17.05	1637804.7	0	0
		Shantipur	10	8.28	302295.9	0	196435
	Total		107	29.86	3350078	0	196435

8. Rain water harvesting- Nil

River	Details of rain water harvesting

9. Demarcation of Floodplain and removal of illegal encroachments- Not applicable for Agriculture Department

River	Details of demarcation of floodplain and removal of illegal encroachments
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10. Maintaining minimum e-flow of river- Not applicable for Agriculture Department

River	Maintaining minimum e-flow of the river
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11. Plantation activities- Not applicable for Agriculture Department

River	Details of plantation activities along the river
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12. Development of biodiversity park- Not applicable for Agriculture Department

River	Details of setting up biodiversity parks on flood plains by removing encroachment along the river
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**Minutes of the Review Meeting chaired by Hon'ble Chief Secretary on
Liquid Waste Management held on 19.05.2023 at the Conference Hall,
Nabanna.**

Members participated in the meeting are as per annexure enclosed herewith.
Program Director, WBSPMG presented the PPT on LWM in West Bengal.

Water Quality of the Polluted River Stretches

From the presentation it appears that Water quality has been improved considerably in comparison with that of 2022. In fact, water quality of 8 Rivers including that of River Ganga out of 13 Polluted River Stretches as of now has achieved bathing standard and BOD level of each of such Rivers is equal to or less than 3 mg/l which shows the improvement. However, the water quality of river Dwarka has been deteriorated as the BOD level has been increased from 5 to 8 mg/L.

Chief Secretary instructed to explore the alternative technologies for further improving the water quality of the river and reducing the level of coliform. PHED was instructed to take necessary measures immediately for improving the water quality of river Dwarka.

[Actions: Department of UD &MA, WBSPMG, RRC, KMDA, PHED]

State Master Plan on LWM:

Preparation of Master Plan on LWM for the State for Sewerage Generation vis-à-vis GAP in the existing and planned Treatment Capacity considering Projected Population in 2042 is under process. KMDA has finalized the RFP for invitation of Tender for engagement of consultant.
Chief Secretary instructed WBSPMG to explore the sanction of the Project out of World Bank funding.

[Action: WBSPMG]

Sludge Management:

For old STPs, one tender for preparation of DPRs on Sludge Management for 24 functional STPs is under finalization and it will be placed with NMCG for funding. For New STPs, Agency will take care of the Sludge Management. NMCG is framing policy on Sludge Management.
Chief Secretary instructed WBSPMG and KMDA to coordinate with NMCG for funding this work and finalization of tender.

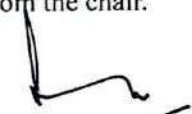
[Actions: KMDA, WBSPMG]

Incremental Progress on Ongoing STP Works since last Review Meeting:

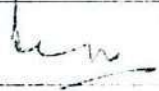
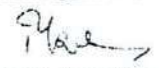
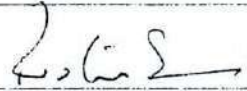
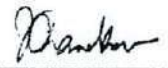
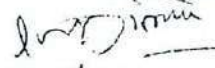
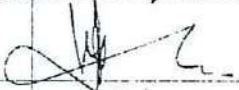
Progress on ongoing work: On being pointed out by Hon'ble Chief Secretary, Program Director, WBSPMG intimated that all the other ongoing projects are maintaining timeline of completion excepting Barhampore, Jangipur & Raghunathganj STP Projects where time extension of 3 months will be required. Chief Secretary has kindly agreed for proposing three months time extension to NMCG for Barhampore, Jangipur & Raghunathganj STP Projects and instructed PD to strictly monitor the progress of the ongoing work and to ensure timely completion of the same.

[Actions: WBSPMG, KMDA, KMC]

As there were no other issues to discuss, the meeting ended with thanks to and from the chair.


Chief Secretary
to the Government of West Bengal

Attendance Sheet for the meeting held on 19.05.2023 at 10.30 a.m.
at NABANNA CS's CONFERENCE HALL regarding intake Jetty for
Drawal of Drinking Water located inside Botanical Garden
under UD & MA Department, Govt. WB

Sl. No.	Name	Designation	Signature
1.	H. K. Dwivedi	CS., WB	
2.	P K Mishra		
3.	Khalid Ahmed	Pr. Secy UDMA	
4.	Rosini SEN	Pr Secy Env.	
5.	Sumathi Mahapatra	L.R.C.	
6.	Supriya Ghoshal	Director, SUDA	
7.	Joty Chandra	Additional Secretary	
8.	ANANISH JAISH	Divisional Rly. Engineer, Howrah E. Rly.	
9.	Franklin Ray	CE, GMP, WMDA	
10.	Sandhya, E.I.	Asst. Secy, P&R	
11.	Anura Acharya	Sec. PWD	
12.	Nandini Ghosh.	PD, WBSPMG	
13.	Gurman Saha	CE(E/H) KMDA	
14.	T.K. Gupta	CEA, Subpara	
15.	Satish Das	DS(Law), WMDA	
16.	Biswajit Das	CE, WMDA	
17.	Rajib Saha	CE, SSSWM WMDA	
18.	Dr. Sujay Mitra	CE, SSSWM WMDA	
19.	Debajyoti Bhattacharya	Asst. Secy, WMDA	

Minutes of the 16th River Rejuvenation committee (RRC) meeting relating to Polluted River Stretches Priority-1, II, III, IV and V in connection with the order of NGT O.A NO. 673/2018 held on 30th June, 2023 at the 3rd Floor, Conference Hall of KMDA

The Chairman, Project Director, SPMG and Member convener and all other members of concerned departments attended the meeting.

Member Secretary, West Bengal Pollution Control Board and Chairman of the RRC initiated discussion to review of the progress as per the Action Plan of the identified river stretches Priority – I,II,III,IV and V in connection with the order of Hon'ble NGT, O.A NO. 673/2018 along with the lapses of each Department/Agencies to achieve the required goals. The agenda of discussion for the meeting also includes River-wise progress monitoring, present status of STP projects executed by KMC and KEIP along with other issues.

Project Director, SPMG shared the updates on Liquid Waste Management in West Bengal.

- She pointed from Water Quality Data that water quality of Dwarka has deteriorated while for the other rivers the water quality improved. She summarized the total installed capacity of 47 STPs is 1750 MLD and at present 1370 MLD is treated which also includes the natural sewage treatment facility of EKW, whereas if EKW is excluded 338 MLD sewage is presently treated.
 - STPs at Garden Reach and South Suburban should be tagged under "Rejuvenated STPs" instead of operational.
 - Flow meters must be installed at all operational STPs.
 - In FY2023-24, 12 STPs of total capacity of 323 MLD are going to be commissioned which includes STPs at Howrah, Bally, Baranagar, Berhampore, Jangipur, Raghunathganj, Hooghly-Chinsurah, Joka, M.G. Road and Rania (the last three will be completed by November 2023).
 - STP at Silver Jubilee Road on Churni River is expected to be completed by October 2023 while the land issue with Jianagar STP has been resolved.
 - PD, SPMG briefed about the master plan for West Bengal is being prepared for the sewage generation vis-à-vis gap in the planned treatment capacity considering the projected population of 2042.
 - KMDA has invited tender for Sludge Management of 24 functional STPs.
 - MS, WBPCB cautioned to take care of odour issues while using treated waste water from for various cleaning and horticulture purpose.
- ❖ Mahananda river use to get polluted by the discharge from cattle sheds near Siliguri. Now it is planned to use the cow-dung for power generation under Compressed Bio-Gas scheme. Moreover, the sewage from the catchment of Mahisnanda River which has an outfall in Mahananda, has been planned to be diverted through a weir running through the river and subsequently through pipeline beneath the pitching of Mahananda River. CTA, WBPCB pointed out citing directives of NGT that no untreated water can be discharged on any water body as well as pipelines construction disturbing river pitching work is not desirable. A joint visit was planned to examine the ground condition involving Irrigation, WBPCB, SMC, and UD& MA.

- ❖ P & RD shared the status report of 224 Ganga bordering Gram Panchayats (GPs). In 223 GPs, DPR for SWM has been undertaken. For grey water management, 226218 public tube well were constructed. Sankrail GP is declared as ODF plus GP. One FSTP is under construction in Amta Block in Howrah while DPR for another FSTP in Namkhana Block is under preparation.
- ❖ 30 hotels along the side of Dwarka River are responsible for deteriorating the water quality as they discharge sewage directly into the river. To intercept this untreated water the land parcel required is under consideration for the construction of drains. MS, WBPCB asked a report from PhED mentioning that list of hotels so that directives can be issued to them.
- ❖ MS, WBPCB has also mentioned about a software on action plan monitoring will be available shortly. It will help in monitoring action programme online regularly.
- ❖ WBEIDC shared about the sensitization initiatives to get rid of e-wastes.

As there were no other issues to discuss, the meeting was ended with thanks from and to the chair.



**Program Director, WBSPMG
Convener**



**Chairman, RRC
&
Member Secretary, WBPCB**

Site Inspection Report.**Month- JUNE 2023****NAME OF THE EXECUTING AGENCY- GAP WING/W&S SECTOR, KMDA****1. Physical progress of the operational STPs.**

Sl. No.	Location	ULB Jurisdiction	Capacity in MLD	Actual utilization at present	Reasons for underutilization if any	Status of installation of OCEMs	Status of House Connection (if any)	Incremental progress over the last visit
1	Bhatpara	Bhatpara	60.50	27.4	1. Due to pending work of house connection 2. The STPs are designed as per the year of 2044 projected population.	Not install till now	Total House connection 91000 MLD. Connection completed as on date 34910. DPR for balance house connection under progress.	NIL
2	Kalyani	Kalyani	21.00	19.09		Not install till now	No house connection pending within the network area.	NIL
3	Gayeshpur	Gayeshpur	8.33	3.82	Inadequate house connection	Not install till now	Due to pending work of house connection. 11575 nos. of HSC has been completed out of 15000 household. Gayeshpur Municipality is executing the work by engaging agencies through tender. Work is in progress	Sewage (Influent) quality has been decreased compared to previous month viz. September, 2021 is 3.63 MLD.

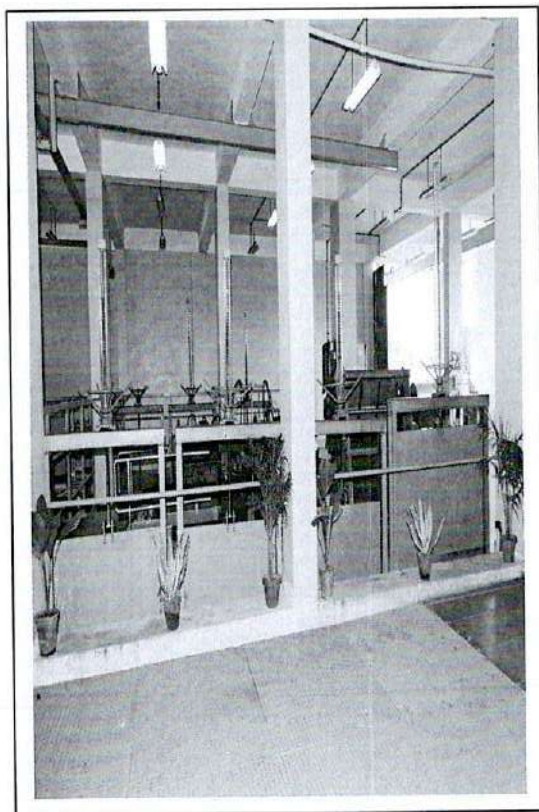
Sl. No.	Location	ULB Jurisdiction	Capacity in MLD	Actual utilization at present	Reasons for underutilization if any	Status of installation of OCEMs	Status of House Connection (if any)	Incremental progress over the last visit
4	Budge Budge	Budge Budge	9.3	3.99	Only for available drain connection	Not install till now	Due to pending work of house connection KMDA is executing the work by engaging agencies through tender. Work is in progress. No of household as per Municipal record 13200. No of Household I.P connected to connected to manhole pit 4873. No of House pit constructed 10819.	Under O&M HDPE PIPELINE = 100 Mtr. Jack Push work : 10 Mtr. Manhole : 8 nos IP : 8 nos
5	Barrackpore	Barrackpore	24.0	7.10	Sewerage network could not been completed as the Local Municipal authority has barred the Sewerage network at present for the ensuing assembly poll and House connection work has also not been completed. Presently sewage from the existing drains are being taken by I& D structures	Not install till now	"Barrackpore Municipality has completed about 21200 House connections out of 35000. Achieved Chamber up to 31.05.2023 is 33900 Nos	Operation & Maintenance work for STP started
6	Halisahar	Halisahar	16.0	4.80	a. House connection pending which executed from local ULB and about 600 nos house hold source connectet out of total 32866 Nos. b. Some of the drains	Not install till now	Due to pending work of house connection Total House connection needed 32866. 1288 house connection completed and 22490 partially completed. 2330 house pit completed.	Operation & Maintenance work for STP started.

Sl. No.	Location	ULB Jurisdiction	Capacity in MLD	Actual utilization at present	Reasons for underutilization if any	Status of installation of OCEMs	Status of House Connection (if any)	Incremental progress over the last visit
					intercepted to collect water.			
7	Bandipur (Khardah)	Khardah	14.00	11.99	a.Necessary permission from railway to rectify/restore the leakage of rising main pipe yet not receive from the competent authority till to date.	Not install till now	NA	Operation & Maintenance work for STP started.
8	Garulia	Garulia	4	4.10	a.Irregular/inadequate pumping due pump break down etc may cause deficit in inlet discharge. b. Irregular cleaning of Debitola Pacha Khal from others authority causing chokage of inlet screen causing deficit in adequate inlet discharge.	Not install till now	NA	Operation & Maintenance work for STP started.
9	Naihati	Naihati	6.50	0.00	a.Irregular/inadequate pumping may cause deficit in inlet discharge. b. During dry season level of water reduces accordingly. c. Irregular cleaning of Lalbaba ghat darin and Ramghat drain from others authority causing chokage of inlet screen causing	Not install till now	NA	Operation & Maintenance work for STP started.

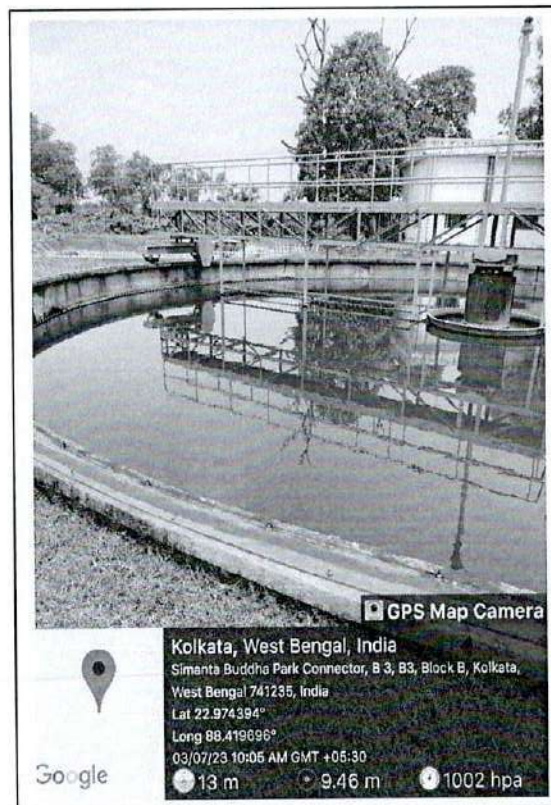
Sl. No.	Location	ULB Jurisdiction	Capacity in MLD	Actual utilization at present	Reasons for underutilization if any	Status of installation of OCEMs	Status of House Connection (if any)	Incremental progress over the last visit
					deficit in adequate inlet discharge.			
10	Naihati	Naihati	11.56	8.09	a. Irregular/inadequate pumping may cause deficit in inlet discharge. b. During dry season level of water reduces accordingly.	Not install till now	NA	Operation & Maintenance work for STP started.
11	Panihati	Panihati	12.00	10.20	a. Necessary permission from PWD to rectify/restore the leakage of rising main pipe yet not received from the competent authority till to date.	Not install till now	NA	Operation & Maintenance work for STP started.
12	Titagarh	Titagarh	9.00	6.75	a. Irregular pumping and operation due to existing labour/operator/worker issues.	Not install till now	NA	Operation & Maintenance work for STP started.
13	Baidyabati	Baidyabati	6.00	4.47	-	Not install till now	NA	Operation & Maintenance work for STP started.
14	Bhadreswar	Bhadreswar	7.60	5.10	-	Not install till now	NA	Operation & Maintenance work for STP started.
15	Chandannagar	Chandannagar	22.66	12.27	During dry season level of water reduces accordingly.	Not install till now	NA	Operation & Maintenance work for STP started.
16	Bansberia	Bansberia	0.30	0.40	NA	Not install till now	NA	Operation & Maintenance

Sl. No.	Location	ULB Jurisdiction	Capacity in MLD	Actual utilization at present	Reasons for underutilization if any	Status of installation of OCEMs	Status of House Connection (if any)	Incremental progress over the last visit
								work for STP started.
17	Uttarpara - Kotrung and Konnagar	Kanaipur Gram Panchayet	22.00	0.00		Not install till now	NA	Trial run started from 27.07.2022) cleaning, repairing & renovtion of network- is under progress.
18	Nabadwip	Nabadwip	9.50 MLD	4.96	Actual capacity will reached in the year 2051	Installed	NA	O&M started from 01/07/2022
19	Kanchrapara	Kanchrapara	18.00 MLD	7.86	-	Not install till now	-	Trial & Run started from 01/09/2022

SITE VISIT PHOTOGRAPH OF STP UNDER OPERATION& MAINTENANCE STAGE IN
JUNE 2023



BHATPARA



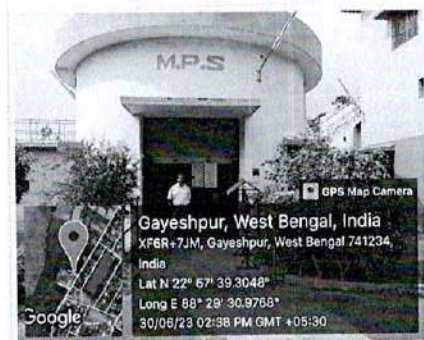
KALYANI



KALYANI



Chlorination Building



MPS

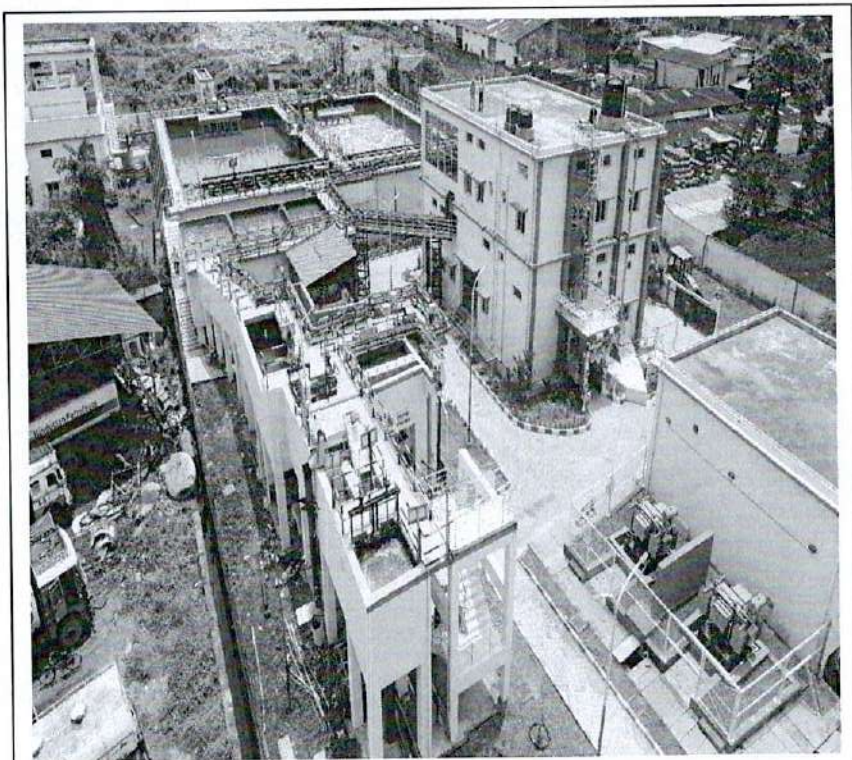
GAYESHPUR



HALISAHAR



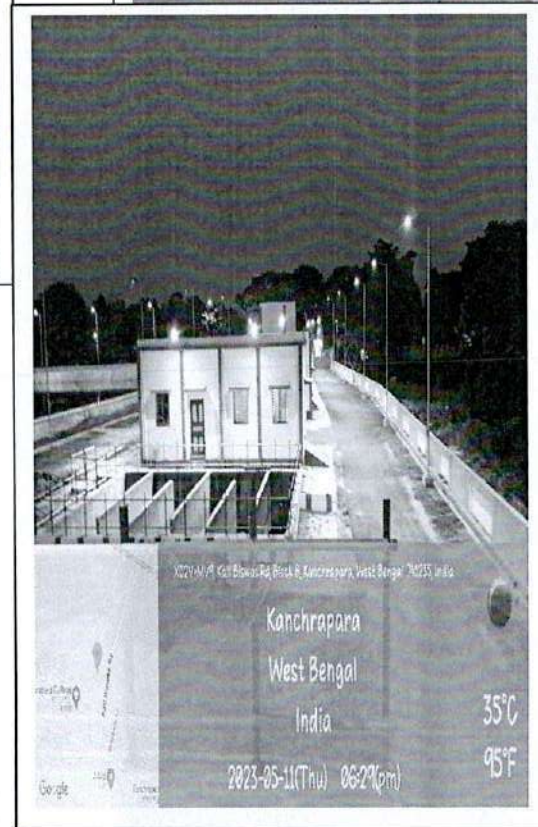
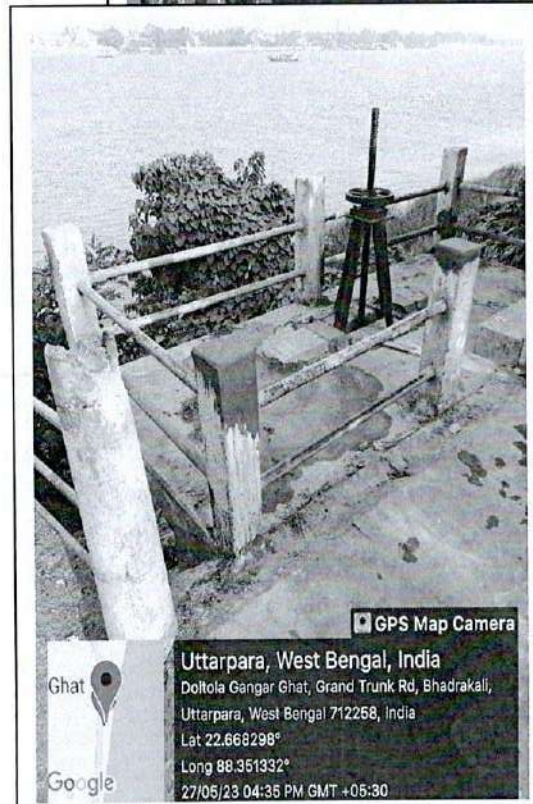
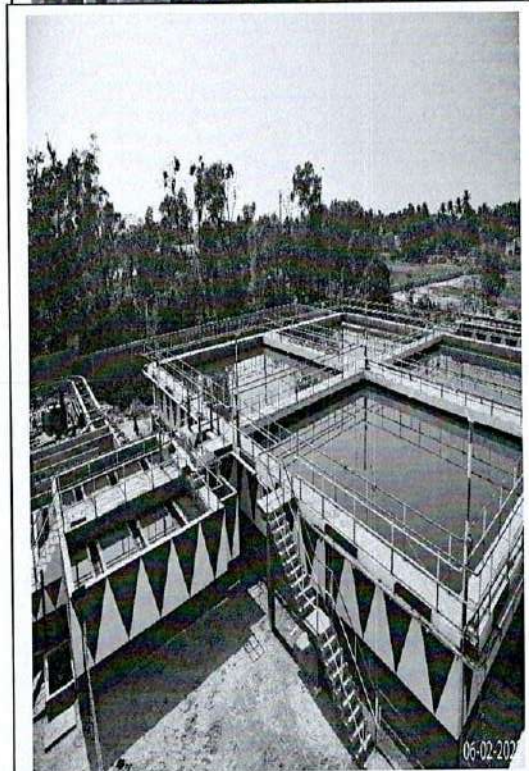
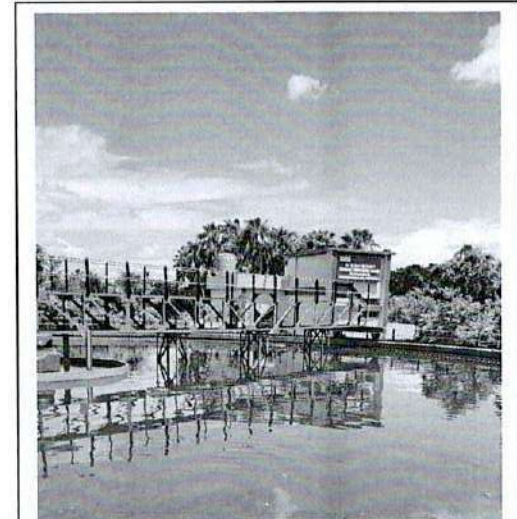
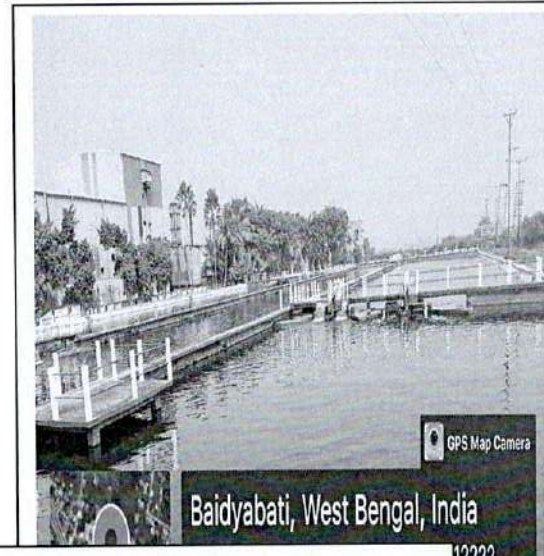
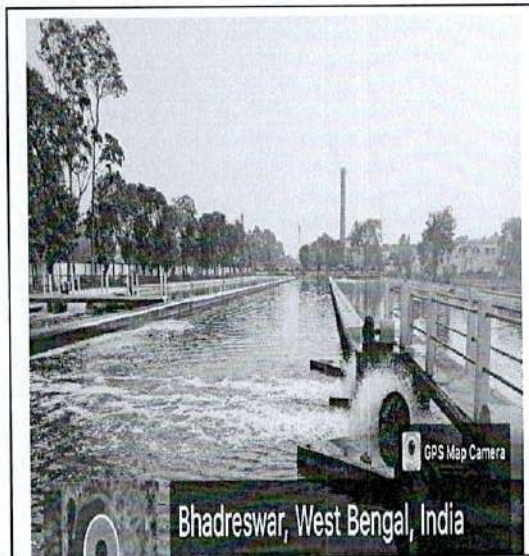
NAIHATI



BUDGE BUDGE



BARRACKPORE



NABADWIP

UTTARPARA STP

KACHRAPARA

1. Status of the non-operational STPs.

Sl. No	Location	ULB Jurisdiction	Capacity in MLD	Installed in (year) Non functional since (year)	Current initiative towards functionalization, if any	Present Status	Incremental progress over the last visit
1.	Serampore	Serampore	18.6	Installed-1990 Non functional-2011	DPR for Augmentation and up gradation of the STP is under process	Non-functional	Nil
2.	Champdani	Champdani	1.00	Installed-2009 Non-functional-2018	DPR for Augmentation and up gradation of the STP is under process	Non-functional	Nil

2. STPs under different stages of execution.

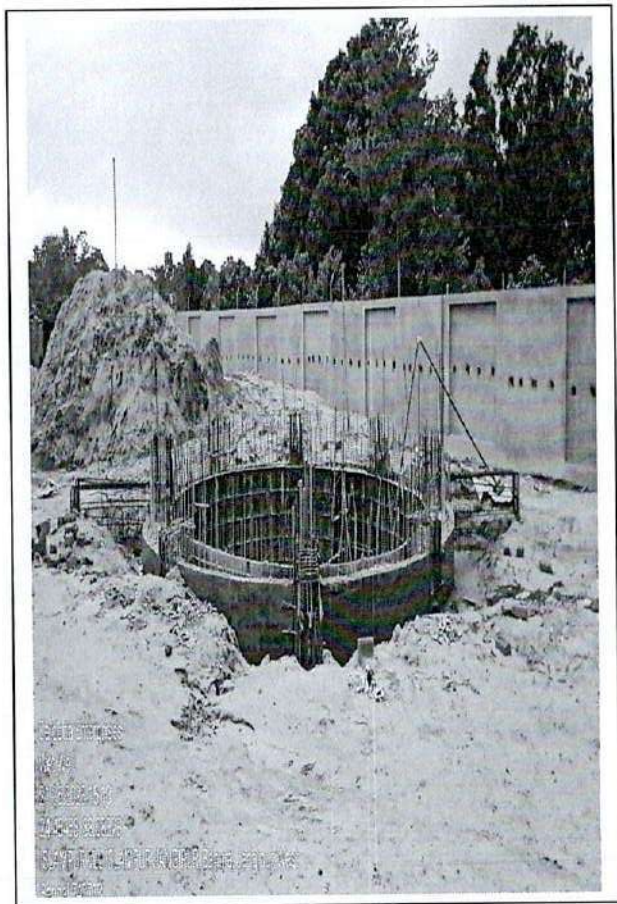
Sl. No.	Location	ULB jurisdiction	Proposed capacity in MLD	Timeline for completion	Present Status	Incremental progress over the last visit
1	Hooghly	Hooghly	26.50	June, 2023	Progress as on 30.06.2023 For Civil parts =68% E & M - 60%, Overall progress =66% . 1) SBR BASIN Raft compiled and wall casting going on. 2) Chorination tank Raft completed. 3) Sewerage network design as well as structural design are going on. 4) Admin building super structure going on. 1st floor slab casting completed. 5) 500 dia D.I pipe is laying on almost completed & Laying of 600 mm dia DI PIPE going on. 6) LS3 work going on 7) MPS work going on.	Overall physical progress 18%
2	Jangipur	Jangipur	8.00 MLD		Jangipur: Construction of STP Physical progress- Civil Work 79 %. Completed i) SBR Basin: SBR wall is under progress.-Civil-	

Sl. No.	Location	ULB jurisdiction	Proposed capacity in MLD	Timeline for completion	Present Status	Incremental progress over the last visit
					98% Completed. ii) Inlet Chamber: Civil- 79% Completed. iii)MCC- Blower Room: Civil Work-77% Completed. iv) Centrifuge House of STP: Civil work-95% Completed. v) Chlorination Building : Civil work-96% Completed. vi) CCT : Civil Work-92% Completed. vii) MPS- 1 no. 43.33% Completed (7th Lift wall casting completed.) viii) Boundary Wall- Civil work-110 m Network(Raghunathganj and Jangipur): DWC- 2400 m completed DI- 1400m Completed	
3	Raghunathganj	Jangipur	5.00 MLD	May,2022	As per proposed revised BOQ Overall Physical Progress upto 30.06.2023 : 47%(Considering actual E&M Progress) Raghunathganj: Construction of STP Physical progress- Civil Work 80% completed i) SBR Basin: Civil Work- 97% Completed. ii) Inlet Chamber: Civil Work- 86%Completed. iii)MCC- Blower Room: Civil Work-90% Completed. iv) Centrifuge House of STP: Civil Work-96% Completed. v) Chlorination Building : Civil Work-92% Completed. vi) CCT room: Civil Work-95% Completed. vii) MPS- 1no. Civil Work-48.33% 1) LS at Global More: NOC issued on 29.11.2022 , Drawing & Design approved. 2) UGLS at SHibaji Sangha: NOC issued on 01.02.2022., Drawing & Design is under	

Sl. No.	Location	ULB jurisdiction	Proposed capacity in MLD	Timeline for completion	Present Status	Incremental progress over the last visit
					progress. 3) UGLS at Balighata: NOC has been issued on 07.07.2022. Drawing & Design is under progress.	
4	Berhampore	Berhampore	3.50 MLD	Dec-23	Physical Progress upto 30.06.2023 : 42%(Considering actual progress as received from E&M Sector) Construction of STP Physical progress- Civil Work 52% Completed. i) SBR Basin: Civil Work-97% Completed. ii) MPS- 39% Completed iii) Centrifuge House- 55% Completed iv) Inlet Chamber- 52% Completed v) MCC Blower Room- 23% Completed. v) Boundary Wall- Civil work- 38 m Completed LS at Kapiler Math: NOC issued on 06.07.2022 , Civil work Progress-38% LS near DM Bungalow: NOC issued on 06.07.2022 , Progress-35% UGLS at Battala: NOC issued. Drawing & Design is under progress. Network: 73% The NOC for laying pipeline on Kaji Najrul Sarani has been issued from PWD on 17.05.2022 and Berhampore Municipality on 06.05.2022. Laying of HDPE(DWC) pipe of 3699m length done till date. Laying of Raising main of 727 m length done till date.	
5	Bally (Kona)	Jagacha Gram Panchayet	62.00	Sept.-2023	Overall progress (only civil work except finishing):96.205% STP : 97.67%	

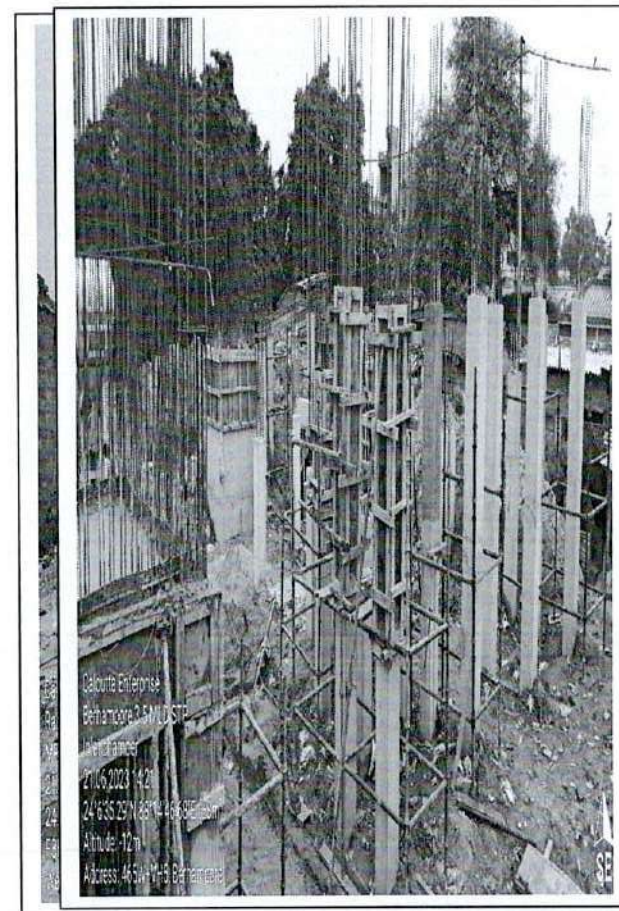
Sl. No.	Location	ULB jurisdiction	Proposed capacity in MLD	Timeline for completion	Present Status	Incremental progress over the last visit
					Network: Manhole Rising 95% LS MPS Repair 86% Desilting 100% Pipe Laying 98%	
6	Arupara	Howrah	65.00	Sept.-2023	Overall progress only civil work except finishing):98.58% STP : 97.16% Network: Manhole Rising 100% LS MPS Repair 100% Desilting 100% Pipe Laying 100%	
7	Mathkal	Baranagar	60.00	Sept.-2023	Overall progress (only civil work except finishing):89.66 % STP :99.33 % Network: Manhole Rising 100% LS MPS Repair 100% Desilting 100% Pipe Laying 20%.	
8	Maheshtala	Maheshtala	35.00	May 2023	26.27% Completed till 30-06-2023. SBR Basin:- 4nos Raft Completed.Wall & Platform concreting in progress. CCT:- Raft Completed. RCC Wall up to El + 8.3 Mtr work is in Progress. SHU:- Excavation, Shoring, Pile Chipping is 100% completed. Pile PCC 100 % Completed. SHU Sump Portion Raft Casting	

Sl. No.	Location	ULB jurisdiction	Proposed capacity in MLD	Timeline for completion	Present Status	Incremental progress over the last visit
					Completed. RCC wall of Sump portion up to El +7.0 mtr completed. PTU:- Excavation & pile chipping work & Pile Cap is 40% completed. Tie Beam WIP. Admin Building:- 1st Floor Slab Casting Completed. Column above 1st Floor Slab is 100% completed. Roof Slab WIP. Staff Quarter:- Brickwork, Internal & External Plastering work is 100% completed.	



JANGIPUR

RAGHUNATHGUNJ



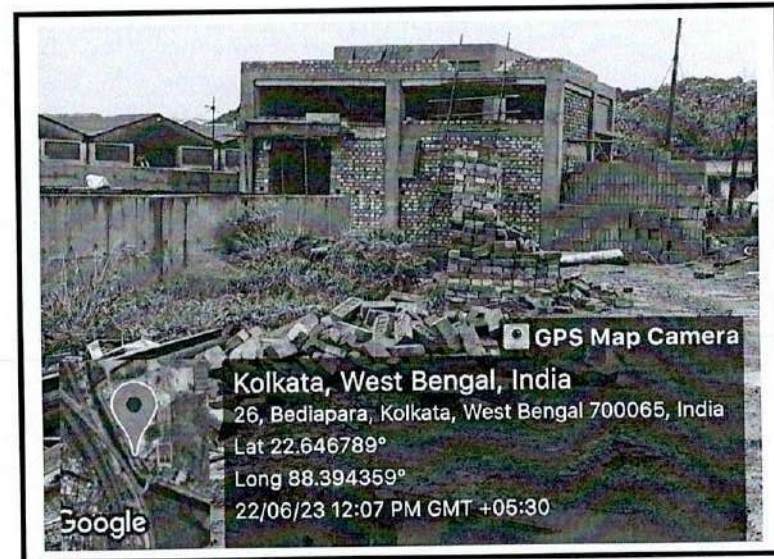
BEHARAMPORE



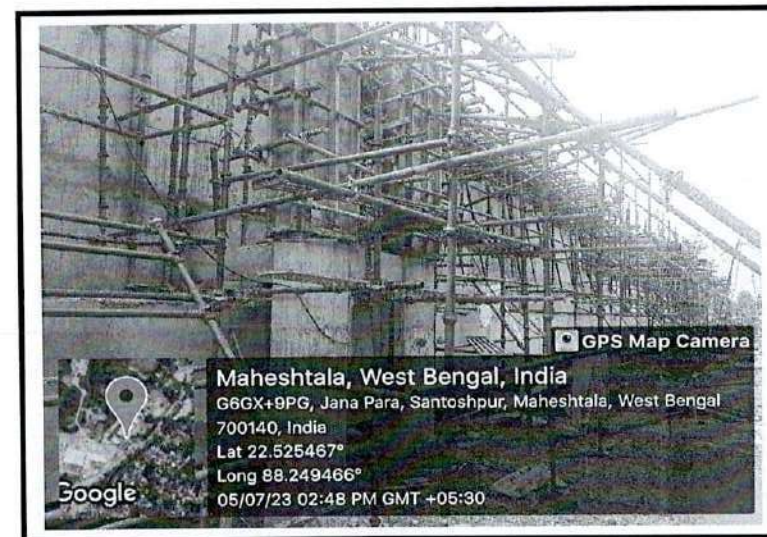
Bally



Arupara



BARAHANAGAR



MAHESHTALA

3. Status of Polluted Drains discharging to river Ganga.

A) Drains can be connected to the STP

Sl.No	Sl. No. of CPCB List	Name of drain	Coordinates / Latitude & Longitude	City/Town of Confluence point	Proposed Methodology	Any STP operational/planned in the catchment area or likely diversion/interception of the drain to STP	STP Capacity in Tender (MLD)	Likely date of completion
(A) Drains can be connected to the STP								
1	1	Jangipur Drain	24.465659 88.068739	Jangipur	In situ treatment	To be tapped with 8.0 MLD Jangipur STP under Berhampore-Jangipur STP project.	8.0 MLD	Work executed. Testing has been carried out and
2	3	Halisahar Drain	22.928131 88.410995	Halisahar	Lock gate and drop shutter	Tapped with Halisahar STP (16.00 MLD capacity)	16.0 MLD	Tapped
3	4	Garifa Drain-South / Ramaghat	22.908527 88.405872	Garifa	Lock gate and drop shutter	Tapped with STP 1 (6.50 MLD capacity WSP) at Naihati	18.0 MLD	Tapped
4	5	Garifa Drain-North	22.910819 88.404743	Garifa	Lock gate and drop shutter	Tapped with Naihati (6.50 MLD capacity WSP)		
5	6	Thanar Khal	22.533490 88.242890	Naihati	Lock gate and drop shutter	Tapped with Naihati STP (11.56 MLD capacity ASP)		
6	8	Imambara Khal	22.907930 88.400712	Hooghly	Lock gate and drop shutter	Consider in Hooghly - Chinsurah Tender.Taken up by Hooghly -Chinsurah STP project	26.5 MLD	Work under process. Will be tapped within May 2023.
7	11	Chinsurah-Majir Rasta Drain	22.523180 88.233140	Hooghly	Lock gate and drop shutter	Consider in Hooghly - Chinsurah Tender.Taken up by Hooghly -Chinsurah STP project		
8	12	Chandni Ghat Drain	22.912617 88.398112	Chinsurah	Lock gate and drop shutter	Consider in Hooghly - Chinsurah Tender.Taken up by Hooghly -Chinsurah STP project		
9	17	Debitala Pancha Khal	22.815483 88.360441	Garulia	Lock gate and drop shutter	Tapped with Garulia STP(4.10 MLD capacity)	4.1 MLD	Tapped

10	19	Serampore / Bhagirathi Drain	22.446260 88.213700	Serampore	Lock gate and drop shutter	To be connected with Serampore	18.9 MLD	DPR is being prepared. New SBR based STP will be constructed with enhance capacity within April 2024 with North
11	20	Chatra Khal	22.455100 88.204930	Serampore	Lock gate and drop shutter	To be connected with Serampore		
12	21	Barrackpore Khal (S. P. Bangalore)	22.550211 88.325062	North Barrackpore	Lock gate and drop shutter	To be connected with North Barrackpore STP (8 MLD capacity) under tendering stage		To be connected within April 2024 with North
13	22	Gandhi Ghat Drain	22.750641 88.364329	Barrackpore	Lock gate and drop shutter	Tapped with Barrackpore STP (6.00 MLD capacity) which is already tapped		Tapped
14	23	Dhobi Ghat Drain	22.793359 88.353420	North Barrackpore	Lock gate and drop shutter	To be connected with North Barrackpore STP (8 MLD capacity) under tendering stage		To be connected within April 2024 with North Barrackpore STP (8 MLD capacity) which
15	24	Titagarh Drain (Bishalaxmi Ghat)	22.733628 88.363502	Titagarh	Lock gate and drop shutter	Tapped with Titagarh STP (4.50 MLD capacity)	12.0 MLD	Tapped
16	25	Hasting Ghat Drain	22.434500 88.213360	Rishra	Lock gate and drop shutter	DPR is under process for interception of the Drain in a newly proposed STP		DPR is under process for interception of the Drain in a newly proposed STP
17	30	Dewangazi Ghat Drain	22.642772 88.352557	Bally	Lock gate and drop shutter	Tender is under process for adopting methodology for connecting this drain at Kona STP	40.0 MLD	To be connected with Kona STP (62.00 MLD) at Bally.
18	32	Jagatnath Ghat Drain-1	22.619764 88.361093	Belur	Lock gate and drop shutter	Tender is under process for adopting methodology for connecting this drain at Kona STP		

19	33	Kamarhati Drain @ Jute Mill	22.675388 88.365275	Baranagar	Lock gate and drop shutter	To be connected with in Kamarhati-Baranagar STP (60.00 MLD) at Baranagar which shall be executed by Ganga STP Project Pvt. Ltd. under HAM	60.0 MLD	To be connected with in Kamarhati-Baranagar STP (60.00 MLD) at Baranagar which
20	34	Kamarhati Drain @ PB Ghat	22.684364 88.365903	Panihati	Lock gate and drop shutter	Connected with the STP (12.00 MLD capacity) at Panihati in rejuvenation works under North 24 Parganas district.	12.0 MLD	Connected with the STP (12.00 MLD capacity) at
21	35	Kuthighat Drain/ Baranagar Khal	22.636390 88.362651	Baranagar	Lock gate and drop shutter	This drain cannot be connected with the 60.00 MLD Baranagar - Kamarhati STP. Alternative methodology will be adopted for treatment	60.0 MLD	Considered in Kamarhati-Baranagar STP (60.00 MLD) at Baranagar which shall be executed by Ganga STP Project Pvt. Ltd.
22	36	Chitpur Ghat Khal/ Circular Canal	22.606978 88.369915	Chitpur	Lock gate and drop shutter	KMC		KMC
23	37	Cossipore / Kashipur drain	22.618925 88.368367	Cossipore	Lock gate and drop shutter	KMC	KMC	KMC, Commissioner KMC has requested MS, WBPCB to exclude this drain as
24	40	Telkal Ghat Drain	22.576444 88.340083	Howrah	Lock gate and drop shutter	Tender is under process for adopting methodology for connecting this drain at	KMDA	KMDA
25	41	Ramkrishna Ghat Drain	22.573083 88.336972	Howrah	Lock gate and drop shutter	Tender is under process for adopting methodology for connecting this drain at Arupara STP	KMDA	KMDA

26	42	101, Foreshore Road Drain	22.562300 88.327050	Howrah	Lock gate and drop shutter	Tender is under process for adopting methodology for connecting this drain at Arupara STP	KMDA	Considered in Arupara STP (65.00 MLD) at Howrah which shall
27	44	Tolly Nala	22.550211 88.325062	Kalighat	Lock gate and drop shutter	KMC	KMC	KMC
28	45	Nimtala Burning Ghat Drain	22.564738 88.242108	Kalighat	Lock gate and drop shutter	KMC	KMC	KMC
29	46	Dhankheti/ PB Ghat Khal	22.548084 88.289334	Khidderpore	Lock gate and drop shutter	KMC	KMC	KMC
30	47	Shibpur Burning ghat Drain	22.583304 88.348067	Shibpur-Howrah	Lock gate and drop shutter	Tender is under process for adopting methodology for connecting this drain at Arupara STP	65.0 MLD	Considered in Arupara STP (65.00 MLD) at Howrah
31	48	Bagher Khal	22.955611 88.423912	Kanchrapara	Lock gate and drop shutter	Connected to Kanchrapara STP (18.00 MLD capacity)		
32	49	130 Foreshore Road Drain	22.341590 88.200660	Howrah	Lock gate and drop shutter	Tender is under process for adopting methodology for connecting this drain at Arupara STP	65.0 MLD	Considered in Arupara STP (65.00 MLD) at Howrah.
33	55	Alliance Mill Drain	22.857849 88.376030	Jagatddal	Lock gate and drop shutter	Already tapped with the Bhatpara STP through the ongoing Bhatpara Project	31.0 MLD	Tapped

34	56	Rosbara Khal	22.918529 88.395952	Bandel	Lock gate and drop shutter	Considered in Hooghly -Chinsurah STP project.	26.5 MLD	Considered to be connected Hooghly - Chinsurah STP
35	50	Old Muni Khali Khal	22.525670 88.245923	Mahestala	Lock gate and drop shutter	Considered in Maheshtala I&D network project	35.00 MLD	Considered to be connected in Maheshtala I&D network project

(B) DRAINS CAN NOT BE CONNECTED TO THE STP

Sl.No	Sl. No. of CPCB List	Name of drain	Coordinates / Latitude & Longitude	City/Town of Confluence point	Any STP operational/planned in the catchment area or likely diversion/interception of the drain to STP	Likely date of completion
(b) Drains can not be connected to the STP						
36	2	Bhatpara Drain	22.871384 88.399027	Bhatpara	DPR already sent to NMCG for approval	To be tapped with 31 MLD STP at Jagaddal Bhatpara. DPR is under process.
37	7	Pratapnagar-Rajbari Drain	22.843929 88.378524	Bhatpara		
38	9	Bhatpara-Open pucca drain	22.881233 88.410153	Bhatpara	Already been taken up by GAP sector KMDA	Tender for DPR is under process
39	10	Bagh Khal	22.714083 88.355567	Rishra & Konnagar		
40	13	Majher Char Khal	22.974131 88.409981	Kalyani	This drain will receive 90% of its flow from Kalyani Town and therefore a disinfection unit proposed there.	DPR for interception of this drain along with sewerage network of Kalyani is under process
41	14	Chamdpani Ferry Ghat / Paolghat Drain	22.799760 88.349396	Hooghly	To be connected with Chamdpani STP	Under Tendering Process
42	15	Khardah Khal	22.725851 88.366049	Khardah	Drain with humungus capacity and flow	

43	16	N.C. Pal Khal	22.566967 88.247855	Sankrail	will be treated as separate canal/River	Under Tendering Process
44	18	Saraswati Khal	22.558776 88.232781	Howrah	Tender invited for preparation of DPR for Howrah added zone in I&D with STP.	Tendering Process under Howrah added area
45	25	Dhopa Ghat Drain	22.953283 88.405553	Hooghly		
46	26	Chandannagar Drain	22.856972 88.370107	Chandannagar	Tapped with Chandannagar STP	Tapped with Chandannagar STP
47	27	Najerganj Khal	22.558376 88.277443	Sankrail	Preparation of DPR for Howrah added zone in I&D with STP	Tendering Process under Howrah added area
48	28	ITC Triveni Drain	23.003891 88.410901	Hooghly	M/S ITC Tribeni Tissue factory has been directed to install STP for their housing quarters. Monitoring of the same to be done on regular basis.	It is an outfall of ITC, Tribeni. It only carries the waste water from ITC, Tribeni.
49	29	Akhra Food Ghat drain (New Muni Khali Khal)	22.529541 88.251636	Mahestala	Will be tapped at Maheshtala STP	Will be tapped at Maheshtala STP
50	31	DVC Canal	22.807225 88.351670	Champdani		DPR for Augumentation of Srerampur Champdani STP is
51	38	Bazarpara-Garighat Drain / Sharenga drain	22.529805 88.186297	Sankrail/ Sarenga	Under Tendering for preparing DPR under Howrah added area.	
52	39	Baidyabati Drain	22.781649 88.332085	Baidyabati	Drain with humungus capacity and flow will be treated as separate canal/River	Under Tendering Process
53	43	Bally Khal	22.654986 88.346839	Bally		
54	51	Singhi More Khal	22.542012 88.226144	Sakrail	Tender invited for Preparation of DPR for Howrah added zone in I&D with STP	Tendering Process under Howrah added area
55	52	BTPS Out fall Drain-I	22.997221 88.406586	Hooghly		

56	53	Balughat Manirampur	22.772383 88.335966	Khardah	To be connected within April 2024 with North Barrackpore STP (8 MLD capacity) which is under tendering stage.	To be connected within April 2024 with North Barrackpore STP (8 MLD capacity) which is under tendering stage.
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SITE VISIT PHOTOS OF OUTFALLS IN MAY 2023



GARIFA SOUTH (RAM GHAT)



HALISAHAR DRAIN LOCKGATE

4. DetailsofAlternateTreatmentTechnologybeingadoptedinthePollutedRiverStretches.

River name	Polluting drain	In-situ treatment details	MLD treated	Present Status	Incremental progress over the last visit
GANGA	Jangipur Drain	Bio/Phyto remediation treatment process as interim measure has been taken up for Jangipur drain. Chemical dosing, desilting work etc. has been taken up periodically and as per the test result data it is expected, the desired test result for waste water may be achieved with the present treatment process.	0.2	Chemical dosing, desilting work etc. has been taken up periodically	Dosing and Desilting work is in progress

Date:10.01.2023

Name of Reporting Engineer: PRANTIK RAY

Designation: CHIEF ENGINEER

1437785/2021/O/o JS(UDMA)

Government of West Bengal
Department of Urban Development & Municipal Affairs
 DF-8, Sector-I, Salt Lake,
 Kolkata-700064

MemoNo. -UDMA-24011(99)/7/2021-JS(UDMA)

For smooth and efficient execution of the Projects taken under NamamiGange Schemes and with respect to the Action Plans submitted to the River Rejuvenation Committee in connection with the Polluted river stretches of the State (categorized as Priority I, II, III, IV,V Rivers), in respect of which the Department of UD & MA has to submit Reports and Returns on regular basis as mandated by Hon'ble NGT under different OAs, it is felt necessary now, that the concerned Engineers of the Executing Agencies- KMDA, KMC, MED, SJDA, SLRDC, ADDA, and others should make compulsory Site Visit every month and monitor the progress of different Projects which include:

1. Visit to STPs under Construction, Rejuvenation, Renovation, Household Connections, laying of Sewer network including routine visits.
2. Visit to the Polluted Drains and review the progress of different Pollution Abetment measures being taken.
3. Visit to the identified Polluted River stretches and review the progress of different Pollution Abetment measures being taken thereon and on the outfalls.

Post Visit, a detailed report showing incremental Progress over the last visit along with good quality photographs to be submitted to the Department every month through proper channel in the enclosed Format. For this purpose, the controlling Head of the Executing Agency may compile all the site inspection Reports and submit the final Report accordingly. This mechanism will ensure quality monitoring and will expedite timely completion of different undergoing Projects.

This issue has an approval of the Higher Authorities.

Joint Secretary
 UD&MA
 Department

MemoNo. -UDMA-24011(99)/7/2021-JS(UDMA)

1. Municipal Commissioner, Kolkata Municipal Corporation,
2. CEO KMDA
3. CEO SJDA
4. CEO ADDA
5. Chairman, Liquid Waste Management Committee
6. Joint Secretary, KMDA
7. Secretary, MED
8. Chief Engineer, GAP Sector, KMDA
9. Chief Engineer, KMDA
10. Chief Engineer, MED
11. Additional Chief Engineer, SJDA
12. Additional Chief Engineer, ADDA
13. Special Engineer, SLRDC
14. OSD to the Municipal Commissioner, KMDA

15. PS to Hon'bleMIC
16. PS to PrincipalSecretary

Joint
SecretaryUD&MA
Department

**Water Quality of Polluted River stretches of 17 rivers in West Bengal
during June 2023**
[Priority changed based on Polluted River stretches for Restoration of Water Quality -
2022 (Draft) , published by CPCB]

Priority	River	Stations	pH(Unit)	(DO)(mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	Fecal Streptococci (MPN/100ml)
I	Mahananda	Siliguri (Upstream)	7.4	5.9	2.9	110000	22000	450
	Mahananda	Ranaghat(Downstream)	7.63	4.6	15	1300000	500000	4000
II	Vidyadhari	Harva bridge (upstream)	7.18	1.5	9.88	110000	46000	400
	Vidyadhari	Malancha (downstream)	7.43	1.06	9.84	63000	26000	400
II	Churni	Downstream of Ranaghat town	7.87	2.1	2.83	58000	35000	1700
	Churni	Majhdia	7.72	1.1	3.92	13000	5400	540
III	Matha bhanga	Gobindapur	7.95	1.1	4.75	49000	17000	1300
IV	Ganga	Farakka	7.87	7.5	2.35	1300	350	63
	Ganga	Farakka	7.3	6.8	2.9	1100	240	31
	Ganga	Baharampore	7.74	6.4	1.65	17000	5400	790
	Ganga	Baharampore	7.02	5.9	2.2	14000	3500	790
	Ganga	Gorabazar	7.34	7.3	1.8	3300	790	170
	Ganga	Gorabazar	7.57	6.4	2.7	7900	2400	330
	Ganga	Khagra	7.87	7.5	1.9	790	130	23
	Ganga	Khagra	6.94	6.0	2.5	2800	920	130
	Ganga	Nahadip	7.67	7	2.22	3500	920	110
	Ganga	Nahadip	8.14	6.0	2.8	13000	3500	330
	Ganga	Tribeni	7.89	7.7	1.75	2400	920	46
	Ganga	Tribeni	8.01	6.3	2.8	14000	5400	790
	Ganga	Palta Shitalata	7.74	6.5	1.75	7000	1700	230
	Ganga	Palta Shitalata	8.14	6.00	2.80	13000	3500	330
	Ganga	Palta,	7.55	7	1.8	13000	3500	790
	Ganga	Palta	8.06	6.4	2.5	24000	9200	700
	Ganga	Serampore	7.87	6.5	1.85	24000	9200	330
	Ganga	Serampore	8.01	6.30	2.80	14000	5400	790
	Ganga	Dakshmineswar	7.36	5.35	2.55	120000	58000	270
	Ganga	Dakshmineswar	7.13	5.75	2.79	170000	63000	540
	Ganga	Garden reach	7.61	5.26	2.61	130000	70000	460
	Ganga	Garden reach	7.03	5.35	2.47	170000	79000	460
	Ganga	Howrah-shivpur	7.48	5.16	2.76	130000	63000	430
	Ganga	Howrah-shivpur	7.08	5.44	2.66	140000	63000	490
	Ganga	Uluberia,	7.44	5.36	2.77	33000	21000	270
	Ganga	Uluberia,	7.1	5.64	2.33	49000	27000	110
	Ganga	Durgachak near Pathikhali,	8.4	6.2	2.6	8400	4600	200
	Ganga	Durgachak near Pathikhali,	8.4	6.6	1.4	11000	4900	170
	Ganga	Diamond harbour,	7.42	5.29	2.41	3300	1700	46
	Ganga	Diamond harbour,	7.16	6.05	2.16	6800	4500	78

**Water Quality of Polluted River stretches of 17 rivers in West Bengal
during June 2023**
[Priority changed based on Polluted River stretches for Restoration of Water Quality -
2022 (Draft) , published by CPCB]

Priority	River	Stations	pH (Unit)	(DO) (mg/l)	BOD (mg/l)	Total Coliform (MPN/100 ml)	Fecal Coliform (MPN/100 ml)	Fecal Streptococci (MPN/100 ml)
IV	KANSI	Downstream at Midnapore	7.6	6.5	1.15	7000	3300	130
IV	JALANGI	Downstream of Krishna nagar	7.74	6	1.75	1700	700	49
V	Damodar	Dishergarh	7.35	7.7	2.4	4600	2600	27
	Damodar	HISCO near Dhenna Village,	7.55	7.6	2.55	3200	2100	21
	Damodar	Narainpur	7.56	7.7	2.25	3300	2100	27
	Damodar	Near Mujher Mana Village	8.14	7.3	3.15	4000	3300	21
	Damodar	Andal D/s	7.9	7.6	2.5	3900	2700	26
	Damodar	Andal U/s	7.55	7.6	2.35	3300	2600	32
	Damodar	Asansol U/s	8.07	7.7	1.95	3900	2200	17
	Damodar	Durgapur U/s	7.89	7.6	2.55	4000	2100	22
	Damodar	Raniganj D/s	7.9	7.7	2.45	4600	3300	21
	Damodar	Water intake point for Burdwan Town	7.6	7.6	2.3	3200	2200	17
V	Dwarka	Upstream of Tarapith at Sadhak Bamdeb ghat	7.25	7.2	4.05	4600	2700	26
	Dwarka,	Downstream of Tarapith Satighat	7.46	6.9	4.2	4700	3200	22
V	Barakar	Asansol	8.18	7.6	2.45	4000	3200	26
V	Rupnarayan	Geonkhali	8.5	5.3	1.3	7900	4600	170
	Rupnarayan	Kolaghat (Down Stream)	8.4	6.5	0.95	7000	3300	140
V	Dwarakeshwar	Bankura town	8.18	7.6	2.9	3200	2100	21
V	Teesta	At Jalpesh	7.57	7.4	1.1	9000	2200	27
	Teesta	At Sevoke	7.53	8.2	0.7	9000	1400	11

The following four rivers have been removed from this list of polluted River stretches based on improvement in water quality in 2022 compared to 2018

Priority	River	Stations	pH (Unit)	(DO) (mg/l)	BOD (mg/l)	Total Coliform (MPN/100 ml)	Fecal Coliform (MPN/100 ml)	Fecal streptococci (MPN/100 ml)
Delisted	Silabati	Ghatal (Downstream)	8.37	8	1.55	6300	3300	110
	Mayurakshi	Suri Town	7.93	9.1	1.55	2600	1700	14
	Kaljani	Downstream of Alipurduar	7.48	7.5	1.5	17000	8000	94
	Karola	Downstream of Jalpaiguri	7.13	8.2	2	17000	8000	94
Primary Water quality Criteria for bathing water			6.5-8.5	≥5	≤3		<2500	500