

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

No. EN/832/3C-01/2019

Dated: 28 /4 /2023

From:

Shri Sasim Kumar Barai, WBCS (Exe.)
Special Secretary 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 – January, 2023 – March, 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 January, 2023 – March, 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,


Special Secretary 28/4/2023
Department of Environment

National Mission for Clean Ganga

Monthly Progress Report in the NGT Matter O.A.No.673 from the month from January
2023 to March 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: **47(1749.6MLD)**
b. No. of STPs under construction **10 (192.6MLD)**
c. No. of STPs under renovation **6(246.7 MLD)**
d. No. of STPs under proposal/tender stage **31 (708 MLD)**
- 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. Department of UD & MA has sought information of all privately operating STPs from the concerned authorities. Reports are awaited.
 - 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.

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	Ganga	KMC	Garden Reach	57
13	Ganga	KMC	Keorapukur	45
14	Vidyadhari	KMC	Baghajatin	15
15	Vidyadhari	KMC	Hatisur	10
16	Ganga	PHED	Nabadwip Municipality Nadia	10
17	Ganga	PHED	Katwa Municipality, PurbaBurdwan	4.36
18	Ganga	PHED	Diamond Harbour Municipality	2.03
19	Ganga	PHED	Murshidabad Municipality	1.96
20	Ganga	MED	JiagunjAzimgunj Takia Oxidation Pond	0.69
21	Ganga	MED	JiagunjAzimgunj Takia Oxidation Pond	0.69
22	Vidyadhari	UDMA (SLRDC)	Kestopur	27.24
23	Coastal	PHED	Digha Sankarpur Development Area	6.7

24	Vidyadhari	PHED	New Town Kolkata (Action Area IIC)	31
25	Vidyadhari	PHED	New Town Kolkata (Action Area IIB)	14
26	Ganga	KMDA	Barrackpore	18.00
27	Ganga	KMDA	Barrackpore	6.00
28	Ganga	KMDA	Halisahar	16.00
29	Ganga	KMDA	Budge-Budge	9.33
30	Vidyadhari	PHED	New Town, Rajarhat Action Area- IIID	24
31	Ganga	KMDA	Nabadwip	9.50
32	Vidyadhari	KMC	East Kolkata Wetlands	910
33	Ganga	KMDA	Baidyabati	6.00
34	Ganga	KMDA	Bhadreswar	7.60
35	Ganga	KMDA	Garulia	7.9
36	Ganga	KMDA	Chandannagar, Khalisani, Chinsurah- Hooghly	18.16

37	Ganga	KMDA	Chandannagar, Khalisani, Chinsurah-Hooghly	4.50
38	Ganga	KMDA	Titagarh	4.50
39	Ganga	KMDA	Titagarh	4.50
40	Ganga	KMDA	Bandipur (Khardaha)	14
41	Ganga	KMDA	Naihati	6.50
42	Ganga	KMDA	Panihati	12.00
43	Vidyadhari	NKDA, PHED	DhilerBheri	150
44	Damodar	DMC	Durgapur City Centre	1
45	Ganga	KMDA	Kanchrapara	18
46	Mirik Lake	MED	Mirik	1.5
47	Dwarka	PHED	Tarapith	4.25
Primary Treatment			Kaljani/Karola/Mayurakshi/Shilabati/Kansi/Rupnarayan/Dwarkeswar/Jalangi Rivers	95
Total				1749.6

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(AnandanagargramPanchayet)	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
Total				246.7	

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	KMDA	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	Bansdroni (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.	Vidyadhari	KMC	Borough-XII	70
8.	Churni	KMDA	Jianagar	5.2
9.	Ganga	KMDA	North-Barrackpore	30
10.	Ganga	KMDA	North-Barrackpore	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	Champdani	30
27	Ganga	KMDA	Serampore	130
28	Ganga	KMC	Garden Reach (New STP)	65
29	Ganga	KMC	Keorapukur (Additional Capacity)	5
30	Ganga	KMDA	Krishnanagar	13.8
Total		31 STPs		708

IV. Details of Industrial Pollution:

No. of industries in the State (Red = 3927, Orange = 12332)	=16259
No. of water polluting industries in the State	=454
Effluent generation from industries	=1360.60 MLD
No. of industries having ETPs	=454
Total treatment capacity of ETPs	=1360.60 MLD
No. and capacity of existing CETP (8modules each of 5 MLD)	=40 MLD
All industries in the Calcutta Leather complex are connected to CETP	

V. Bio-medical Waste Management:

No. of Hospitals and Health Care Facilities	=9171
Total Bio-medical generation	=42286 kg / day
Status of Treatment Facility / CBMWTF	= 7 CBMWTF are operating
Treatment capacity	= 1,40,000 bed

All Biomedical wastes generated in the state are treated at the six (7) 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 nos.
Total Hazardous Waste generation	=203272 MTA
Total Treatment Capacity of 2 no. CHWTSDFs at Haldia and Saltora	(in MTA)
Land fill capacity	=220000 MTPA
Land fill after treatment	=120000 MTPA
Incineration	=14400 MTPA
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.
Dwarka	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).
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 tube well. • Physio-chemical quality of groundwater samples collected from GW monitoring wells during pre-monsoon and post-monsoon period is tested every year. Groundwater monitoring: 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)
Mayurakshi	
Rupnarayan	
Jalangi	

	<i>Critical- Panshkura (PurbaMedinipurDist)</i> ✓ Mayurakshi River Stretch: <i>Semi-Critical- Suti-I (MurshidabadDist), Labhpur (BirbhumDist)</i> ✓ Jalangi River Stretch: <i>Semi-Critical- Berhampur, Nowda (MurshidabadDist), Tehatta-II, Chapra (Nadia Dist)</i> <i>Critical- Domkal (Murshidabad Dist), Karimpur-II, Tehatta-I, Nakashipara, Krishnagar-II, Krishnagar-I (Nadia Dist)</i> □ Groundwater sampling for its Physio-chemical tests is done twice a year (April & Nov). Post-Monsoon (Nov'22) GW sampling is completed.
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 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.
Dwarekeswar	
Kaljani	
Karola	
Mahananda	Groundwater regulation: - Groundwater extraction is regulated according to West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005. - Water meter without telemetry system is installed at industrial tube well permitted by SWID. - Groundwater Resources Estimation and Assessment (2016-2017) is done as per GEC'97 guidelines. - Groundwater level (GWL) monitoring is done periodically four times a year (Jan, April, Aug & Nov). A few manual GW Level Monitoring stations is converted to Real-Time GW Level Monitoring stations by installation of Digital Water Level Recorder (DWLR). 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).
Teesta	

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	As per Annexure-B
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), Sahid Matangini (3765 ha), Bagnan-I (2024 ha), Bagnan-II (1518 ha) and Shyampur-I & II (8805 ha).
Teesta	Siliguri to Paharpur	Command areas of 24385 ha in Rajganj block, 5080 ha in Mal block, 400 ha in Maynaguri block and 14760 ha in Jalpaiguri Sadar block are irrigated through the canal system of Teesta Barrage Project.

X. Rain Water Harvesting:

River	Roof Top Rainwater Harvesting and Reuse and / or Artificial Recharge to Ground water
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	Hanskali- 5 (existing)

In Ganga and Churni 12 Roof top Rain Water Harvesting infrastructures 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 Vidyadhari 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	
Jalangi	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
Jalangi	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 the Polluted River Stretches

- The Department of UD & MA is closely monitoring the work of pollution abatement in river Ganga and other polluted stretches 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, PD WBSPMG on several occasions.
- **The water quality data for River Ganga has shown substantial improvement and as such River Ganga has now put to lesser Priority Category. As per the latest Water Quality Report, 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.**
- **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, MOM attached in Annexure- G
- Water Quality report of WBPCB for the period from January -2023 to March -2023 is

attached and marked as Annexure - I

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(2011 Census)
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, Uttarpada-Kotturam 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.

❖ 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 for publication.

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 khatalas 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:

□ Ward no.114, Kudghatbazar

- Wardno.115,nearkarunamoyeeTemple,kudghat
- Wardno.82,nearChetlaBridge
- Wardno.73,BalaramBoseGhat

- ❖ 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/dredgingat 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 (AdiGanga) 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 has been inaugurated by Hon'ble Mayor on 17.03.2022. Below are some photographs. Work is in full swing.



❖ **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 March 2023 is enclosed in Annexure-C).

Special Mentions

- 17 STPs have been completed from April 2022 to March 2023 in 7 projects creating additional capacity 230 MLD.
- Out of 17 polluted river stretches 04 polluted river stretches (Priority V) namely Kaljani, Karola, Mayurakshi and Silabati have been de-listed. The state now has 13 polluted river stretches.
- Proposal for delisting of two more rivers namely Kansai and Rupnarayan has been put forward to CPCB since the water quality has been significantly improved.
- **WQ of 04 Polluted river stretches has been improved & they have been put in a lower Category:**
 - River Ganga – From Priority – III to Priority-IV
 - River Vidyadhari – From Priority –I to Priority –II
 - River Dwarka – From Priority –III to Priority-V
 - River Damodar – From Priority - IV to Priority –V
- WBSPMG has also taken a number of awareness Programme for Abatement of Pollution in River Ganga.
- WBSPMG had also conducted the performance of 70 nos. of **Street Drama** in different Ganga Ghats, Strategic Locations and Educational Institutes for ensuring River-people connect, throughout the year.
- WBSPMG is using **Gangetic Dolphin** as the **Brand Mascot** and through various kind of creative, spreading Mass Awareness regarding Ganga Pollution Abatement.

IEC Events 2022-23

We have successfully conducted the following mass awareness programme in 2022-23

- International Day of Yoga, Azadi ka Amrit Mahotsav, Ghat pe Haat, Cleanliness Drive, Ganga Utsav
- WBSPMG's IEC drive (Street Drama) [Around 70 shows in 70 locations]
- Mass Awareness Stall in Fairs & Festivals (Gangasagar Mela, Kolkata International Book Fair, Haldia Mela, Consumer Affairs Department, GoWB's Fair)
- Workshop regarding Improvement on Limnological and Environmental aspect of Rabindra Sarobar
- Behavioural Change Events (Tableau Campaign, Seminar, Debate, Folk Performances, Ghat Beautification, Hoarding Installation, Ganga Aarti etc.)

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 requested CPCB to de-list another four rivers from our Polluted River stretches as the BOD level is continuously below the permissible limit.
4. 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.
5. In-situ treatment has already started in two of the Major Drains falling in Mahananda River.

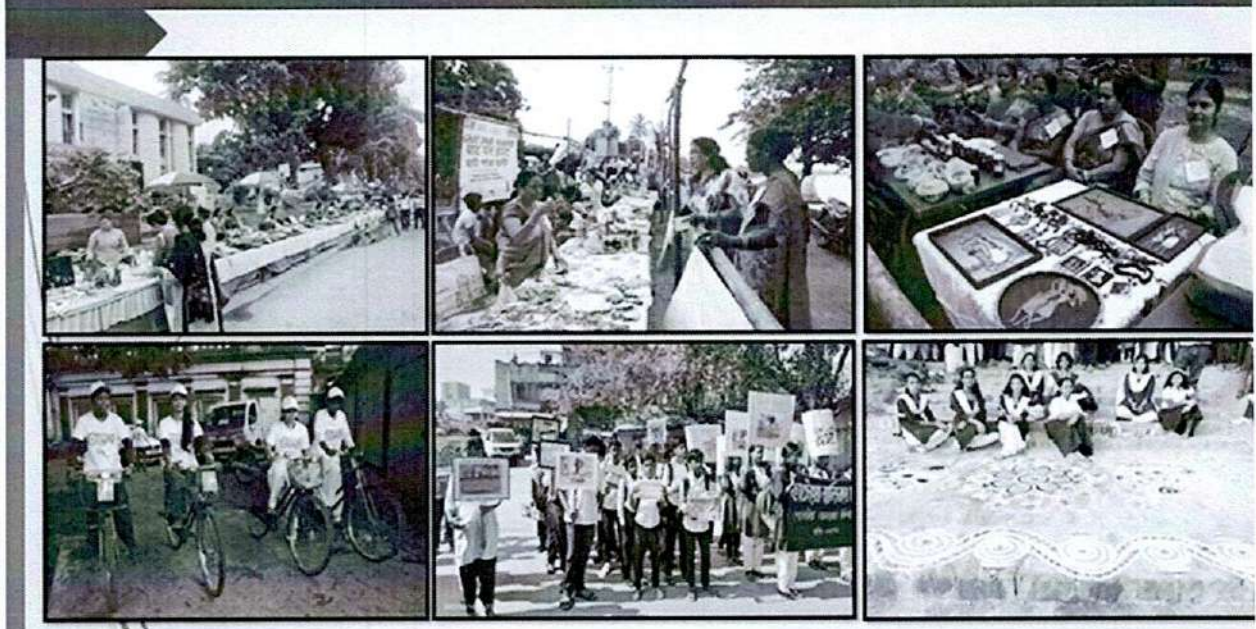
Photo gallery

IEC Activities undertaken in 2022-23

Wall Graffiti



Ghat Pe Haat & Student's Activities



Mass Awareness Stall in Fairs



Use of Treated Water (In Pisciculture at EKW)





Mandatory Display of Design Parameters

BAGHAJATIN - SEWAGE TREATMENT PLANT
THE KOLKATA MUNICIPAL CORPORATION
 YEAR OF CONSTRUCTION/INSTALLATION : 1984
 PREVALENT WORKS COMPLIED BY THE 6TH ENVIRONMENT PROTECTION RULES, 1986

S.NO.	PARAMETERS	LIMITS/VALUES OF PER ENVIRONMENT PROTECTION RULES, 1986
1.	BIOCHEMICAL OXYGEN DEMAND (BOD) (mg/l)	< 20
2.	CHEMICAL OXYGEN DEMAND (COD) (mg/l)	< 250
3.	TOTAL SUSPENDED SOLIDS (TSS) (mg/l)	< 100
4.	TOTAL NITROGEN (mg/l)	< 100
5.	AMMONICAL NITROGEN (mg/l)	< 50
6.	TOTAL PHOSPHORUS (mg/l)	NO LIMIT
7.	FECAL COLIFORM MPN/100ml	NO LIMIT

GPS Map Camera

Kolkata, West Bengal, India
 Baghajatin railgate Ruby auto stand, F9 JR-826, 1925,
 Chak Garia, Santoshpur, Kolkata, West Bengal 700094,
 India
 Lat 22.480931°
 Long 88.369976°
 14/12/22 11:54 AM GMT +05:30

NATISUR - SEWAGE TREATMENT PLANT
THE KOLKATA MUNICIPAL CORPORATION
 YEAR OF CONSTRUCTION/INSTALLATION : 2004
 PREVALENT WORKS COMPLIED BY THE 6TH ENVIRONMENT PROTECTION RULES, 1986

S.NO.	PARAMETERS	LIMITS/VALUES OF PER ENVIRONMENT PROTECTION RULES, 1986
1.	BIOCHEMICAL OXYGEN DEMAND (BOD) (mg/l)	< 20
2.	CHEMICAL OXYGEN DEMAND (COD) (mg/l)	< 250
3.	TOTAL SUSPENDED SOLIDS (TSS) (mg/l)	< 100
4.	TOTAL NITROGEN (mg/l)	< 100
5.	AMMONICAL NITROGEN (mg/l)	< 50
6.	TOTAL PHOSPHORUS (mg/l)	NO LIMIT
7.	FECAL COLIFORM MPN/100ml	NO LIMIT

GPS Map Camera

Kolkata, West Bengal, India
 28, Ravindra Pally, Kasba, Kolkata, West Bengal
 700038, India
 Lat 22.516757°
 Long 88.393527°
 13/12/22 04:53 PM GMT +05:30

Use of Treated Water in Durgapur



- 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.

List of Annexures

Annexure-I- Report from P&RD Department regarding Solid Waste Management

Annexure-II- EKW KMC DWF_KOLKATA_910

Annexure-III- Report from SUDA regarding Solid Waste Management

Annexure-A- Report from Forest Department

Annexure-B - Report from Agriculture Department

Annexure-C - Site Visit Report upto March 2022 of KMDA

Annexure-D - Report on Mahananda from P & RD Department

Annexure-E - ODF, SUDA

Annexure-F - MOM-14.02.2023 – Meeting of Chief Secretary, GoWB

Annexure-G - MOM-14.03.2023 – Meeting of Principal Secretary, Department of UD&MA

Annexure-H - MOM-21.03.2023 – Meeting of Program Director, WBSPMG

Annexure-I - Water quality report for different polluted river stretches identified in West Bengal. (Jan-2023 to March -2023)

Memo No.4447-NGRBA/SPMG/OA 673/2018-574/2020

Date: 20.04.2023.

To,
The Principal Secretary,
Department of Environment, GoWB
5th Floor, Pranisampad Bhawan, Block LB-II,
Salt Lake, Sector III, Kolkata-700106

Subject: Submission of Progress Report for the period from January 2023 to March 2023.

Madam,

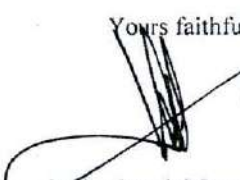
With reference to the above subject, I am attaching herewith the Progress Report under OA 673 for the period from **January 2023 to March 2023**. The Table of Contents of the Report is as under:

Sl. No	Content	Annexure No.
1.	Main Report	Nil
2.	Report from P&RD Department regarding Solid Waste Management	I
3.	EKW KMC DWF-KOLKATA-910	II
4.	Report from SUDA regarding Solid Waste Management	III
5.	Report from Forest Department	A
6.	Report from Agriculture Department	B
7.	Site Visit Report upto March 2022 of KMDA	C
8.	Report on Mahananda from P & RD Department	D
9.	ODF, SUDA	E
10.	MOM – 14.02.2023 – Meeting of Chief Secretary, GoWB	F
11.	MOM – 14.03.2023 – Meeting of Principal Secretary, Department of UD & MA	G
12.	MOM – 21.3.2023 – Meeting of Program Director, WBSPMG	H

This is for your kind perusal and further forwarding it to ED, Technical (Mr D.P. Mathuria), NMCG in the below mentioned email id.

ed-technical@nmcg.nic.in

Yours faithfully,


20/04/2023
Senior Special Secretary,
Department of UD & MA
&
PD WBSPMG

Memo No.4447/I(21)-NGRBA/SPMG/OA 673/2018-574/2020

Date: 20.04.2023.

Copy forwarded for kind information to:

1. DG NMCG, 1st Floor, Major Dhyan Chand National Stadium, India Gate, New Delhi-110002.
2. The Principal Secretary, Department of UD & MA.
3. The Chief Executive Officer, Kolkata Metropolitan Development Authority, Unnayan Bhavan, Sector-II, Salt Lake, Kolkata- 700091.
4. Municipal Commissioner, Kolkata Municipal Corporation in the rank of Principal Secretary, 5, S.N. Banerjee Road, Kolkata-7000013.
5. Member Secretary, Central Pollution Control Board.
6. Member Secretary, WBPCB, Paribesh Bhavan, 10A, LA Block, Sector III, Bidhannagar, Kolkata, West Bengal 700106.
7. Executive Director, Projects, National Mission for Clean Ganga, Ministry of Jal Shakti, GOI, 1st Floor, Major Dhyan Chand National Stadium, India Gate, New Delhi-110002.
8. Senior Special Secretary, Department of UD & MA.
9. Director, Technical (T-III), National Mission for Clean Ganga, Ministry of Jal Shakti, GOI, 1st Floor, Major Dhyan Chand National Stadium, India Gate, New Delhi-110002.
10. Dr. A.K.Vidarthi, Additional Director & Divisional Head, WQM-II, Central Pollution control Board, Ministry of Environment, Forest & Climate Change, GOI, Parivesh Bhawan, East Arjun Nagar, New Delhi – 110032.
11. Director SUDA, HB-305, AB Rd, HC Block, Sector III, Bidhannagar, Kolkata, 700106.
12. Director General, Tolly Nullah, 5, S.N. Banerjee Road, Kolkata-7000013.
13. Chief Engineer, GAP Sector, Unnayan Bhavan, Sector-II, Salt Lake, Kolkata- 700091.
14. Director General, GAP Sector, KMDA.
15. Chief Engineer, PHE, Department of Public Health Engineering, New Secretariat Building, 7th Floor, 1, K.S. Roy Road, Kolkata-700001.
16. Shri T.K.Gupta, Chief Technical Advisor, West Bengal State Pollution Control Board and Environment Department, Government of West Bengal, Paribesh Bhavan, 10A, LA Block, Sector III, Bidhannagar, Kolkata, West Bengal 700106
17. Special Law Officer, UD & MA Department with a request to kindly forward a copy of the Report Ld AOR for her kind noting.
18. Law Officer, Department of Environment
19. OSD to Municipal Commissioner, Kolkata Municipal Corporation, 5, S.N. Banerjee Road, Kolkata-7000013
20. Senior PS to Principal Secretary, UD & MA Department.


Senior Special Secretary,
Department of UD & MA
&
PD WBSPMG

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



No. 1449(2)-PRD-24023(11)/1/2020

Dated 06.03.2023

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 January 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 January 2023 in respect of 69 Model GPs in connection with the compliance of directives of Hon'ble National Green Tribunal as per the O.A. No. 606/ 2018 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 69 NGT model GPs (also LWM)
(as per O.A. No. 606/2018 of the directives of Hon'ble NGT)
(as on 31.01.2023)

Sl. No.		Item	Performance
1.	General Profile	No. & Name of Districts involved	23
2		No. of Blocks involved	66
3		No. of GPs involved	69
4		No. of Sansad involved	1,048
5		No. of total household of Gram Panchayats	3,05,229
6	Progress of SWM	No. of GPs where IEC done	56
7		No. & Name of Districts where SWM activity undertaken	23
8		No. of Blocks where SWM activity undertaken	66
9		No. of GPs where SWM activity undertaken	69
10		No. of Sansad where SWM activity undertaken	541
11		Total no. of household covered by SWM	1,13,065
12		No. of GP for which DPR has been prepared	69
13		No. of GP for which DPR has been approved by P&RD Department	69
14		No. of household where composting is done at household level	16,703
15		No. of GP wherein land has been identified for CPU	67
16		No. of GP wherein CPU is under construction	0
17		No. of GP wherein construction of CPU is completed	60
18		No. of GP where CPU is functional	51
19		No. of household where segregation is done	48,631
20		No. of households wherefrom solid waste is collected	59,372
21		Quantity of biodegradable waste collected (Kg/ day) in January'23	28,131.00
22		Quantity of non-biodegradable waste collected (Kg/ week) in January'23	48,964.00
23		Quantity of compost produced (Kg/month) in January'23	50,504.40
24		Quantity of compost marketed (in Kg/ month) in January'23	26,461.00
25		Quantity of recyclable items sold (in Kg/ month) in January'23	7,372.00
26		Total revenue earned (per month) (Rs. in Lakh) in January'23	10.77
27		No. of GPs where use of plastic (< 75 micron) banned	46
28		No. of GPs where networking of vendors for recyclable wastes done	12
29		No. of PWMU established	0
30	Progress of LWM	Total no. of private tube well	37,399
31		Total no. of private tube well with platform	22,995
32		Total no. of private tube well with soakpit	12,538
33		Total no. of public tube well	31,305
34		Total no. of public tube well with platform	17,499
35		Total no. of public tube well with soakpit	9,624
36		Total no. of ponds where duckweed cultivation is done	517
37		Total no. of beautification project undertaken	41
38		Total no. of saplings planted in last 2 years	3,50,227


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

Report on quantum of DWF Treated in the East Kolkata Facultative & Polishing Ponds.

The major drainage basin, their canals and tributaries and their coverage areas comprise of nine basins, namely: **Kolkata Basin** (Town system+ suburban system), **Maniktala Basin**, **Tollys Nullah basin**, **Topsia Tangra basin**, **Hooghly basin**, **Tollygaunge-Panchannagram basin**, **Bagjola basin**, **Monikhali basin** and **Churial basin**. Out of these basins, DWF from **Kolkata System** (Town system + suburban system), **Maniktala system** and **Topsia-Tangra system** passes through to East Kolkata Facultative Ponds and polishing Ponds.

The Kolkata System covers ward no. 7-12,15-28,36-55,60-64,68-70,71-73, 83-98 and Part of Ward 56,57,69,55,71,75 of the area of Bagbazar, Shyambazar, Sovabazar, Taltola, Barabazar, Beniapukur, Entally, Ballygunge etc. The Maniktala system covers ward no. 13,14 and 29-35 of the area of Maniktala, Ultadanga, Kankurgachi, Phoolbagan, Beliaghata etc. Topsia Tangra system covers Ward no. 56, 57 & 59 and part of ward 58 & 66 of the area of Topsia, Tangra and Chingrihata.

Kolkata has a combined sewerage system through which domestic sewage is intercepted and pumped through the pumping stations and diverted through the outfall channels which flows for about 5 to 6 kms before reaching the EKW. Kolkata system discharges DWF through Ballygaunge Drainage Pumping Station and Palmer Bridge Pumping Station, Maniktala system serves through Dhapa Lock Pumping Station and Topsia Tangra System discharges waste water through Palmer Bridge Pumping Station, Topsia Pumping Station, Topsia Point-A Pumping Station, Ambedkar Pumping Station, Chingrihata Pumping Station, Kulia- tangra Pumping Station , Pagladanga Pumping Station, EE-1 Minor Pumping Station and Nonadanga Pumping Station.

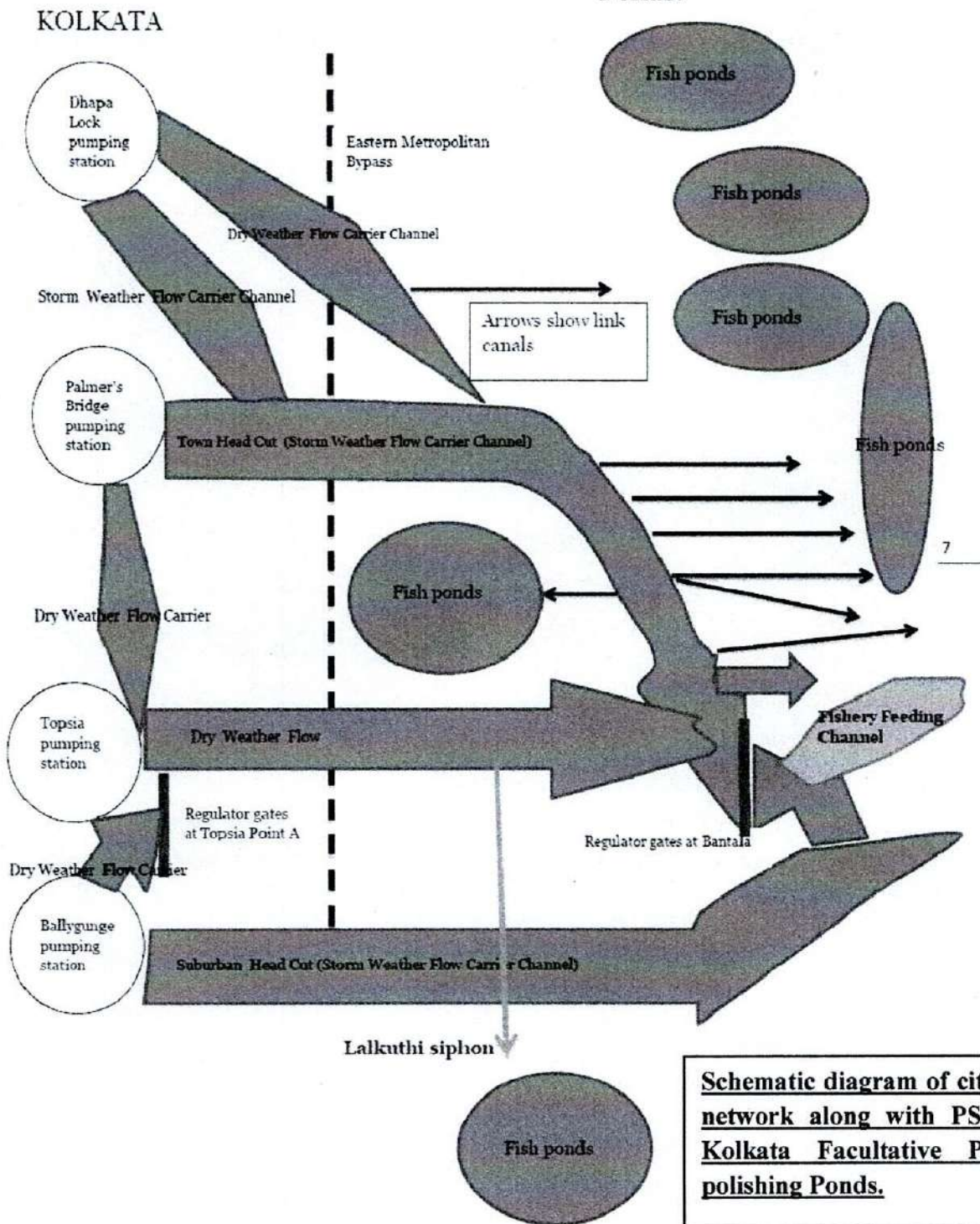
Average discharge from these pumping stations during lean period measured are as follows:

Sl. No.	Name of the Pumping Station	Average Discharge (in MLD)
1	Ballygaunge Drainage Pumping Station	331.40
2	Palmer Bridge Pumping Station	376.40
3	Dhapa Lock Pumping Station	115.30
4	Topsia Point A Pumping Station	22.40
5	Topsia Pumping Station	9.60
6	Ambedkar Pumping Station	23.20
7	Chingrihata Pumping Station	19.20
8	Pagladanga Pumping Station	3.20
9	Kulia Tangra Pumping Station	2.40
10	EE-1 Minor Pumping Station	4.00
11	Nonadanga Pumping Station	2.40
Total =		909.50 MLD Say, 910 MLD

9/2/21
 08/02/21
 09/02/21
 Dy. CE(E) / AcEq.
 EE-1 / 570(S).

09/02/21
 Director General
 Sewerage & Drainage

East Kolkata Facultative Ponds and polishing Ponds.



Above quantum of sewage receives it's treatment which happens by recovering the nutrients inherent in domestic sewage through an integrated resource recovery system- for growing vegetables, fish and paddy. The bulk of Kolkata Sewage passes through these outfall channels, diverted away from the river Ganga/ Hooghly for treatment by nutrient recovery in those Facultative Ponds and polishing Ponds located at different locations and connected by different link canals where the largest category of land use is fish-growing.

9/2/21
8/8/21/contd.
10/09/21
RE/12/540(5)
12/09/21
Dy. CEO/ACKY.

12/09/21

Director General

Report as on February, 2023

S.N.	Questions	Remarks
1	Numbers of ULBs	125
2	Over all waste management status in States/UTs	
a	Quantity of MSW generated (TPD)	13469
b	Quantity of MSW collected (TPD)	13449
c	Quantity of MSW segregated & transported (TPD)	8364
d	Quantity of MSW processed (TPD)	3053
e	Quantity of MSW disposed in secured land fill site (TPD)	1187
f	Gap in Solid Waste Management UTs (TPD) [2(a)- 2(d)- 2(e)]	9229
g	Solid Waste Management Plan	State Policy and Strategy Notified and DPR of 125 ULBs prepared.
3	Waste Collection	Existing Target Gap Timeframe
a	ULBs in which waste door-to-door collection is implemented(No.)	125 125 0 -
b	ULBs in which segregation of waste is implemented (No.)	122 125 3 December, 2023
c	ULBs in which transportation of segregated waste is implemented (No.)	122 125 3 December, 2023
4	Waste Processing	
a	Material Recovery facilities	
(i)	Total Capacity (TPD)	676 1645 969
(ii)	Number	132 466 334 December, 2023
(iii)	Number of ULBs covered	71 125 54 December, 2023
b	Recycling	
(i)	Total Capacity (TPD)	676 1645 969
(ii)	Number	134 466 332 December, 2023
(iii)	Number of ULBs covered	71 125 54 December, 2023
c	Composting	
(i)	Total Capacity (TPD)	3029.8 6855 3825.2 December, 2023
(ii)	Number	62 125 63 In the event of Installation of machineries already matured tenders a total of 6603 TPD MSW will be processed which is 48% of total MSW
(iii)	Number of ULBs covered	67 125 58 December, 2023
d	Biomethanation	
(i)	Total Capacity (TPD)	17 500 483 *No. of units to be developed as per requirement and as per recommendation of State Level Task Force.
(ii)	Number	2
(iii)	Number of ULBs covered	2
e	RDF	
(i)	Total Capacity (TPD)	NIL To be developed if needed.
(ii)	Number	NIL
(iii)	Number of ULBs covered	NIL
f	Waste to Energy Plants	
(i)	Total Capacity (TPD)	6.2 To be developed if needed.
(ii)	Number	1

[Signature] 03/3/2023

	(iii)	Number of ULBs covered	1			
4		Waste Disposal				
a		<u>Landfill</u>				
	(i)	Total Capacity (T)	1187	2742	1555	December, 2023
	(ii)	Number	6	26	20	
	(iii)	Number of ULBs covered	12	125	113	
5		Legacy Waste Waste management				
a		Number of dumpsites (No.)	123			
b		Quantity of Waste dumped at dumpsites (Tons)	110.20 lakh			
c		Number of dumpsites cleared (No.	26			
d		Number of dumpsites in which biomining has commenced (No.)	84			
e		Time frame for clearing all dumpsites	December, 2024			
6		Other Information				
a		Information regarding development of model towns/cities/villages	Action plan prepared. Based on that, waste processing facilities are in the process of development for making these Model Cities SWM compliant within December, 2023. Intensive IEC activities undertaken.			
b		Creation of Environmental cell	Yes			
c		Standardization of rates for procurement of services/equipment (to do away with the tendering process) required for solid waste management	Procured through GeM			

Improvements Since Last Hearing				
	Item	Present Status	Status at the time of last hearing	Whether directed timelines have been adhered or not ?
1	Door-to-door collection (%)	99.85	99.84	Yes. But due to outbreak of second wave of Covid 19 and heavy rain Progress hampered to some extent.
2	Source segregation of waste (%)	62.09	43.22	
3	Waste Processing (TPD)	3053	3047	
4	Dumpsites capped (No.)	1	1	
5	Dumpsites Bio-remediated (No.)	26	5	

[Signature]
08/21/2023

O.A. 673/2018 for the month of March, 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	


 Chief Conservator of Forests, SDP
 & Member Secretary, WBSFDA

30/3/2023

Annexure-3

O.A. 673/2018 upto 29th March, 2023

1. Details 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

2. 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

3. 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

4. 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

5. 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

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

Location of STP/Alternate Treatment	MLD of treated water generated	Details of the reused water

7. Ground water regulation- Not applicable for Agriculture Department

8. 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.)
	Hooghly	Chinsurah-Magra	129	6.84	3798080.9	968474	968474
	Howrah	Bagnan-I	139	6.78	2461544.4	111804	1094140
		Bagnan-II	96	6.36	2355055.75	0	264623.13
		Uluberia-I	47	4.2	977054.85	0	433454.92
	North 24-Parganas	Barrackpur-II	217	7.42	3296805.05	303426.2	551684
	South 24-Parganas	Budge Budge-I	24	2.55	528393.95	0	0
		Budge Budge-II	33	3.15	510991	0	0
	Total		685	37.30	13927925.90	1383704.20	3312376.05
Churni	Nadia	Ranaghat-I	428	42.68	14275304.9	0	0
		Hanskhali	291	82.63	8220772.25	2406791.2	7492174
		Shantipur	85	53.28	2434991.3	0	774778.12
	Total		804	178.59	24931068.45	2406791.20	8266952.12

9. Rain water harvesting- Nil

River	Details of rain water harvesting

10. 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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11. Maintaining minimum e-flow of river- Not applicable for Agriculture Department

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

River	Details of plantation activities along the river
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13. 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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Anneane-2

Site Inspection Report.
Month-March 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	26.37	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	19.59		Not install till now	No house connection pending within the network area.	NIL
3	Gayeshpur	Gayeshpur	8.33	2.95	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.

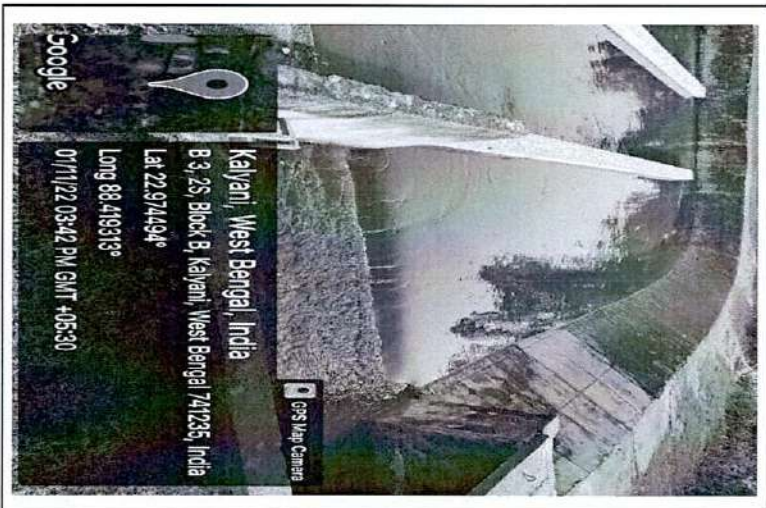
Sl. No.	Location	ULB Jurisdiction	Capacity in MLD	Actual utilization at present	Reasons for underutilization if any	Status of installation of OCEMs	Status of House Connection (if any)	Incremental progress over the last visit
4	Budge Budge	Budge Budge	9.3	3.46	Only for available drain connection	Not install till now	Due to pending work of house connection KMDA is executing the work by engaging agencies through tender. HDPE PIPELINE work is in progress. No of House= 100 Mtr. hold 13200. No of household/pit 3817.10 Mtr. connected to manhole / pit 3817.10 Mtr. No of house pit constructed. 7964. Manhole : 8 nos No of House Connection: 8 nos connected nil.	Under O&M HDPE PIPELINE Push work : Manhole : 8 nos Connection: 8 nos
5	Barrackpore	Barrackpore	24.0	7.04	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 is executing a part house connection work. Achieved 30500 upto 13.03.2023	Operation & Maintenance work for STP started
6	Halisahar	Halisahar	16.0	4.56	a. House connection pending which executed from local ULB and about 600 nos house hold source connect out of total 32866 Nos.	Not install till now	House connection pending which executed from local ULB and about 620 house connection completed and 22490 partially completed out of total 32866 Nos.	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
					b. Some of the drains intercepted to collect water.			
7	Bandipur (Khardah)	Khardah	14.00	11.28	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	3.28	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 chokeage 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 chokeage of	Not install till now	NA	Operation & Maintenance work for STP started.

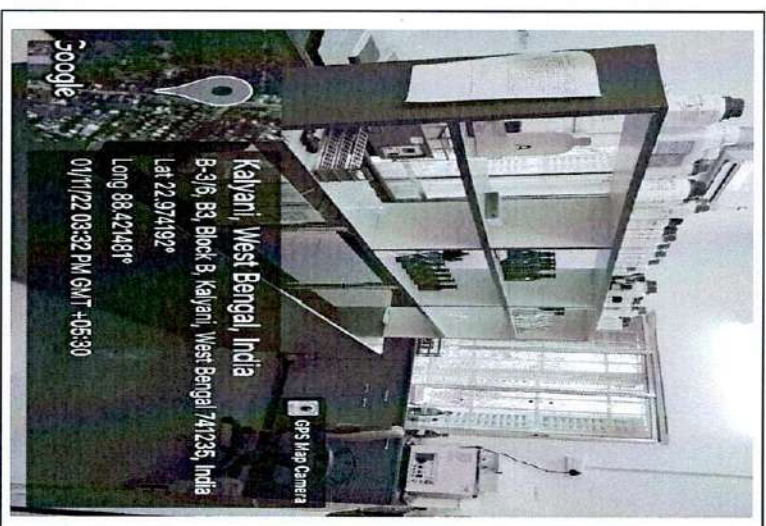
Sl. No.	Location	ULB Jurisdiction	Capacity in MLD	Actual utilization at present	Reasons for underutilization if any	Status of installation of OCEMs	Status of House Connection (if any)	Incremental progress over the last visit
					inlet screen causing deficit in adequate inlet discharge.			
10	Naihaiti	Naihaiti	11.56	9.25	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	Panihat	Panihat	12.00	9.60	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	7.20	a. Irregular pumping and operation due to existing labour/operator/workers issues.	Not install till now	NA	Operation & Maintenance work for STP started.
13	Baidyabati	Baidyabati	6.00	4.62	-	Not install till now	NA	Operation & Maintenance work for STP started.
14	Bhadreswar	Bhadreswar	7.60	2.68	-	Not install till now	NA	Operation & Maintenance work for STP started.
15	Chandannagar	Chandannagar	22.66	10.00	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		Not install till	NA	Operation

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
					NA	now		&Maintenance work for STIP started.
17	Uttarpara - Kotrung and Konnagar	Kanaipur Gram Panchayet	22.00	16.00		Not install till now	NA	Trial run started from 27.07.2022) cleaning, repairing & renovation of network- is under progress.
18	Nabadwip	Nabadwip	9.50 MLD	4.05	Actual capacity will reached in the year 2051	Installed	NA	O&M started from 01/07/2022
19	Kanchrapara	Kanchrapara	18.00 MLD	3.86	-	Not install till now	-	Trial & Run started from 01/09/2022

SITE VISIT PHOTOGRAPH OF STP UNDER OPERATION& MAINTENANCE STAGE IN
NOVEMBER 2022



KALYANI



KALYANI



BARRACKPORE



Chlorination Building



GAYESHPUR



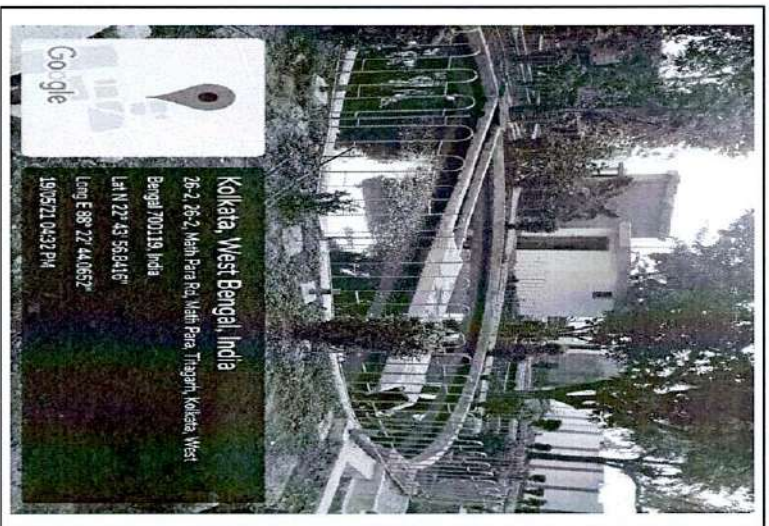
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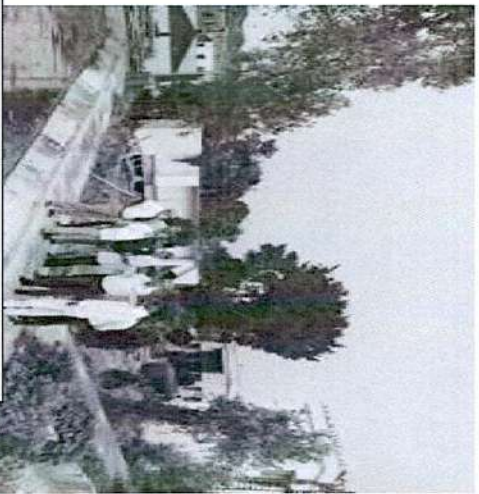
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TTAGARH



NAIHATI



Go gle

Kanchrapara, West Bengal, India

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Lat N 22° 57' 10.6812"

Long E 88° 26' 39.4546"

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NABADWIP

Kanui pur 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 31.03.2023 For Civil parts =52 %, Overall progress =51% 1) SBR BASIN Raft compiled and wall casting going on. 2) Chlorination 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 & laying of 600 mm dia DI PIPE going on. 7) MPS working going on.	Overall physical progress 18%
2	Jangipur	Jangipur	8.00 MLD	May, 2022	Overall Physical Progress upto 31.03.2023 =45.04%(Considering actual E&M Progress) Raghunathgani:	

Sl. No.	Location	ULB jurisdiction	Proposed capacity in MLD	Timeline for completion	Present Status	Incremental progress over the last visit
3	Raghunathganj	Jangipur	5.00 MLD	May, 2022	Construction of STP Physical progress- Civil Work 75 % completed i) SBR Basin: Civil Work- 85 % Completed. ii) Inlet Chamber: Civil Work- 86 % Completed. iii) MCC- Blower Room: Civil Work- 79 % Completed. iv) Centrifuge House of STP: Civil Work- 95 % 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 is under progress. 2) UGLS at Shihaji Sangha: NOC issued on 01.02.2022, Drawing & Design is under progress. 3) UGLS at Balighata: NOC has been issued on 07.07.2022. Drawing & Design is under progress. Jangipur: Construction of STP Physical progress- Civil Work 75 %. Completed i) SBR Basin: SBR wall is under progress.-Civil- 94 % Completed. ii) Inlet Chamber: Civil- 79 % Completed. iii) MCC- Blower Room: Civil Work- 67 % Completed. iv) Centrifuge House of STP: Civil work- 95 % Completed. v) Chlorination Building : Civil work- 92 % Completed. vi) CCT : Civil Work- 80 % Completed. vii) MPS- 1 no. 38.33 % Completed (7th Lift wall casting completed.) viii) Boundary Wall- Civil work- 110 m	

Sl. No.	Location	ULB jurisdiction	Proposed capacity in MLD	Timeline for completion	Present Status	Incremental progress over the last visit
					Network(Raghunathgani and Jangipur): 3650 m completed	
4	Berhampore	Berhampore	3.50 MLD	Dec-23	Physical Progress upto 31.03.2023 : 25.2% (Considering actual progress as received from E&M Sector) Construction of STP Physical progress- Civil Work 52% Completed. i) SBR Basin: Civil Work-91% Completed. ii) MPS- 39% Completed iii) Centrifuse House- 34% Completed iv) Inlet Chamber- 25% Completed v) Boundary Wall- Civil work- 38 m Completed LS at Kapiler Math: NOC issued on 06.07.2022, Civil work Progress-27.15% LS near DM Bungalow: NOC issued on 06.07.2022, Progress-10% UGLS at Battala: NOC issued. Drawing & Design is under progress. Network: 59% The NOC for laying pipeline on Kaji Neirul Sarani has been issued from PWD on 17.05.2022 and Berhampore Municipality on 06.05.2022. Laying of HDPE(DWC) pipe of 2812 m length done till date. Laying of Raising main of 527 m length done till date.	
5	Bally (Kona)	Jagacha Gram Panchayet	62.00	Sept.-2023	Overall progress 88.5 % (Civil work only) : 94.66 % STP:95.33 %	

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 95%	
6	Arupara	Howrah	65.00	Sept.-2023	Overall progress 88.02 (Civil work only) : 95.75% STP : 96.5% Network: Manhole Rising 100% LS MPS Repair 100% Desilting 100% Pipe Laying 80%	
7	Mathkal	Baranagar	60.00	Sept.-2023	Overall progress 88.25 (Civil work only) : 86.415% STP: 97.83% Network: Manhole Rising 100% LS MPS Repair 100% Desilting 100% Pipe Laying 0%	
8	Maheshatala	Maheshatala	35.00	May 2023	Progress as on 31-03-2023 Overall progress 22.19% STP SBR Basin:- 4nos Raft Completed and wall concreting in progress. CCT:- Raft Completed. RCC Wall in Progress. SHU:- Shoring work in progress. PTU:- Excavation is in progress. Admin Building:- 1st floor slab Shuttering work in progress. Staff Quarter:- Brickwork completed and internal plastering is in progress.	



BERHAMPORE-JANGIPUR STP SITE

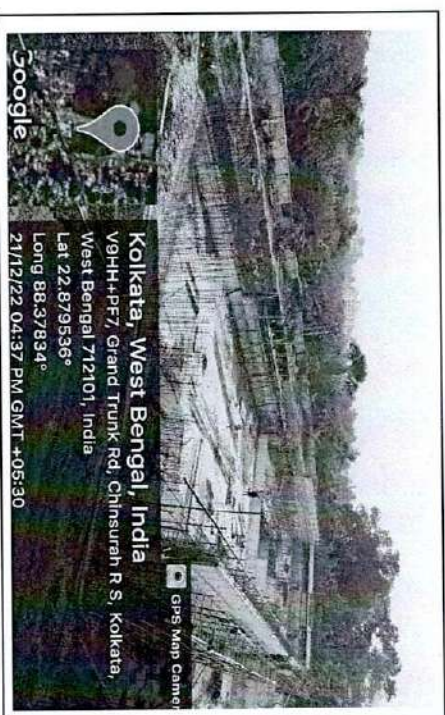
JANGIPUR



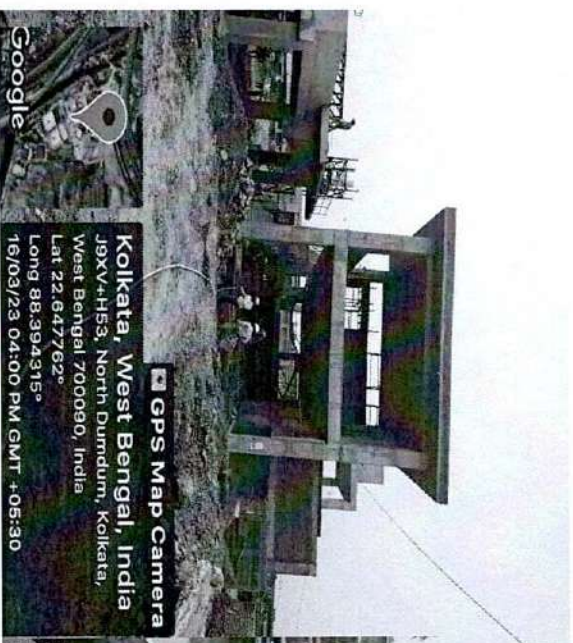
MAHESHTALA



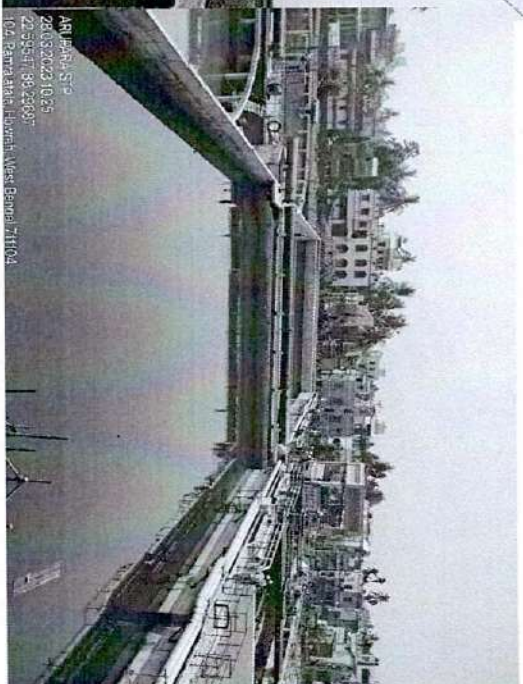
HOOGLY CHINSURAH



Bally



BARAHANAGAR



ARUPARA

3. Status of Polluted Drains discharging to river Ganga.

Sl no.	Name of drain	City/To wn of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternate Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
1.	Jangipur Drain	Jangipur	0.2 MLD	Presently in-situ treatment work is ongoing and in future it will be tapped under the ongoing Baharampore - Jangipur Interception & Diversion Project. Bar screen has already been installed.	YES	Chemical dosing, desilting work etc. has been taken up periodically	Dosing and Desilting work is in progress
2.	Halisahar Drain	Halisahar	97.2 MLD	To be intercepted in the Halisahar STP (16.00 MLD capacity) which is under execution.	NO	Installation of Lock gate completed and partial flow diverted to newly constructed 16.0 mld STP.	Installation of gate completed.
3.	Garifa Drain-South / Ramaghat Open pucca drain	Garifa	113.3 MLD	Considered to be connected with the STP 1 (6.50 MLD capacity) at Naihathi in rejuvenation works under North 24 Parganas district.	NO	Civil construction for Lock gate completed.	Lock Gate Installed
4.	Garifa Drain-North	Garifa	6.5 MLD	Considered to be connected with the STP 1 (6.50 MLD capacity) at Naihathi in rejuvenation works under North 24 Parganas district.	NO	Civil construction for Lock gate is completed.	Lock Gate Installed..

SI no.	Name of drain	City/Town of confluence point	Flow of drain (MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
5.	Thamar Khal	Naihati	16.2 MLD	Considered to be connected with the STP 2 (11.56 MLD capacity) at Naihati in rejuvenation works under North 24 Parganas district.	NO	Civil construction for Lock gate is completed.	Lock Gate Installed completed.
6.	Imanbara Khal	Hooghly-Chinsurah	13.0 MLD	Consider in Hooghly - Chinsurah Revised DPR	No	Technical Evaluation is in process.	NIL
7.	Chinsurah-Majir Rasta Drain	Hooghly-Chinsurah	88.1 MLD	Consider in Hooghly - Chinsurah Revised DPR	No	Technical Evaluation is in process.	NIL
8.	Chandni Chat Drain	Hooghly-Chinsurah	1.7 MLD	Consider in Hooghly - Chinsurah Revised DPR	No	Technical Evaluation is in process.	NIL
9.	Debtala Pancha Khal	Garulia	64.9 MLD	Considered to be connected with the STP (7.90 MLD capacity) at Garulia in rejuvenation works under North 24 Parganas district.	No	Installation of Lock gate completed and is diverted to STP which is under trial run after rejuvenation.	NIL
10.	Serampore/Bhagirathi Drain	Serampore	14.60	Planned to be diverted to the existing Serampore STP which will be renovated after the finalization of Tender	No	NA	NIL

SI no.	Name of drain	City/Town of confluence point	Flow of drain (MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
11.	Chatra Khal	Serampore	70.00	Planned to be diverted to the existing Serampore STP which will be renovated after the finalization of Tender	No	NA	NA
12.	Barrackpore Khal (S. P. Banglow)	North Barrackpore	43.2 MLD	Considered to be connected with the STP 1 (6.50 MLD capacity) at North Barrackpore. DPR submitted to NMCG on 22.07.2020 for approval.	No	DPR stage	NIL
13.	Gandhi Chat Drain	Barrackpore	4.8 MLD	To be intercepted in the Barrackpore STP (6.00 MLD capacity) which is under execution.	NO	Installation of Lock gate completed and partial flow diverted to newly constructed 6.0 mld STP.	NIL
14.	Dhobi Chat Drain	North Barrackpore	1.2 MLD	Considered to be connected with the STP 1 (6.50 MLD capacity) at North Barrackpore. DPR submitted to NMCG on 22.07.2020 for approval.	No	DPR stage	NIL
15.	Titagarh Drain (Bishalaxmi Chat)	Titagarh	21.7 MLD	Considered to be connected with the STP (14.10 MLD capacity) at Khardah-Bandipur in rejuvenation works under North 24 Parganas district.	NO	Installation of Lock gate completed and partial flow will be diverted to STP after	NIL

Sl no.	Name of drain	City/Town of confluence point	Flow of drain (MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
						rejuvenation.	
16.	Hasting Chat Drain	Rishra	29.0 MLD	Considered to be connected with the existing LS at Rishra Hooghly district.	Considered to be connected at LS at Rishra	Tender invited for preparation of DPR	Financial evaluation in progress
17.	Dewangazi Chat Drain	Bally	7.6 MLD	Considered in Kona STP (62.00 MLD) at Bally which shall be executed by Ganga STP Project Pvt. Ltd. under HAM.	Not yet	STP Under execution	NIL
18.	Jagathath Chat Drain-1	Belur	17.3 MLD	Considered in Kona STP (62.00 MLD) at Bally which shall be executed by Ganga STP Project Pvt. Ltd. under HAM.	No	STP Under execution	NIL
19.	Kamarhati Drain @ Jute Mill	Baranagar	25.9 MLD	Considered in Kamarhati-Baranagar STP (60.00 MLD) at Baranagar which shall be executed by Ganga STP Project Pvt. Ltd. under HAM	No	STP Under execution	NIL
20.	Kamarhati Drain @ PB Chat	Panihati	2.9 MLD	Considered to be connected with the STP (12.00 MLD capacity) at Panihati in rejuvenation works under North 24 Parganas district.	No	Buttel wall construct inside the drain and diversion line from the PBghat to nearest manhole has been completed.	NIL

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
21.	Kuthighat Drain/ Baranagar Khal	Baranagar	2.1 MLD	Considered in Kamarhati-Baranagar STP (60.00 MLD) at Baranagar which shall be executed by Ganga STP Project Pvt. Ltd. under HAM.	No	NIL	NIL
22.	ChitpurChat Khal/ Circular Canal	Chipur	458.6 MLD	KMC area connected with Bangur STP & EKW. (KMC)	No	Under KMC	Under KMC
23.	Cossipore / Kashiipur drain	Cossipore	9.5 MLD	Connected to Bangur STP. (KMC)	NO	Under KMC	Under KMC
24.	TelkalChat Drain	Howrah	13.7 MLD	Considered in Arupara STP (65.00 MLD) at Howrah which shall be executed by Ganga STP Project Pvt. Ltd. under HAM	NO	STP Under execution	Nil
25.	RamkrishnaChat Drain	Howrah	0.2 MLD	Considered in Arupara STP (65.00 MLD) at Howrah which shall be executed by Ganga STP Project Pvt. Ltd. under HAM	NO	STP Under execution	Nil
26.	101,Foreshore Road Drain	Howrah	8.2 MLD	Considered in Arupara STP (65.00 MLD) at Howrah which shall be executed by Ganga STP Project Pvt. Ltd. under HAM	NO	STP Under execution	Nil
27.	TollyNala	Dahighat, Hastings,	844.5 MLD	3 new STPs are proposed (KMC)	Under KMC	Tolly'sNallah is guarded with 8 floating	Under KMC

Sl no.	Name of drain	City/ Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
		Kolkata				garbage arrester nets at different locations to arrest the floating materials for the ease of removing the same from reaching to the River.	
28.	Nimtala Burning Chat Drain	Nimtala Chat, Kolkata	24.9 MLD	This is combined sewer overflow line. There is a penstock gate arrangement to discharge diluted sewage in river. DWF is taken to EKW through a system of sewer network, pumping stations and canals. (KMC).	NO	Under KMC	NIL
29.	Dhankheti/ PB Chat Khal	Metiabruz, Kolkata	80.9 MLD	Draft DPR for I&D submitted to NMCG for approval on 30.03.2019. 3 New STPs are proposed.	Under KMC	Dhankheti Khal is guarded with 3bar screens at different locations to arrest the floating materials for the ease of removing the	Under KMC

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternate Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
						same from reaching to the River.	
30.	Shibpur Burning Chat Drain	Shibpur-Howrah	5.4 MLD	Considered in Arupara STP (65.00 MLD) at Howrah which shall be executed by Ganga STP Project Pvt. Ltd. under HAM.	No	STP under execution	Nil
31.	Bagherkhal	Kanchrapara	134.50	To be diverted to the ongoing Kanchrapara STP	No	I&D work is under Progress	Nil
32.	130 Foreshore Road Drain	Howrah	15.6 MLD	Considered in Arupara STP (65.00 MLD) at Howrah which shall be executed by Ganga STP Project Pvt. Ltd. under HAM	No	STP under execution	Nil
33.	Alliance Mill Drain	Bhatpara	5.2 MLD	Diverted to 31 MLD STP at Jagadad	No	Already intercepted and diverted to Ex-IS-04 and finally delivered to 31 MLD STP at Jagadad	NA
34.	Rosbara Khal	Bandel	168.3 MLD	Proposed to be connected with the STP (26.50 MLD capacity) at Hooghly - Chinsurah Municipality. DPR approved by NMCG on 28.08.2020.	No	Tendering stage	Nil

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternate Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
35.	Old Muni Khali Khal	Mahestala	6.9 MLD	Considered in Mahesthala I&D network project	No	Land handed over in process.	
36.	Bhatpara Drain	Bhatpara	2.6 MLD		NO	DPR already sent to NMCG for approval	NIL
37.	Pratapnagar-Rajbari Drain	Bhatpara	35.3 MLD			Already been taken up by GAP sector KMDA	
38.	Bhatpara-Open pucca drain	Bhatpara	58.3 MLD				NIL
39.	Bagh Khal	Rishra	29.5 MLD	NO	Tender invited for Preparation of DPR for Rishra Municipal Town in I&D with STP.	Tender invited for preparation of DPR	Financial evaluation in progress
40.	Majher Char Khal	Kalyani	3.9 MLD	NO	This drain will receive 90% of its flow from Kalyani Town and therefore a disinfection unit	NIL	NIL

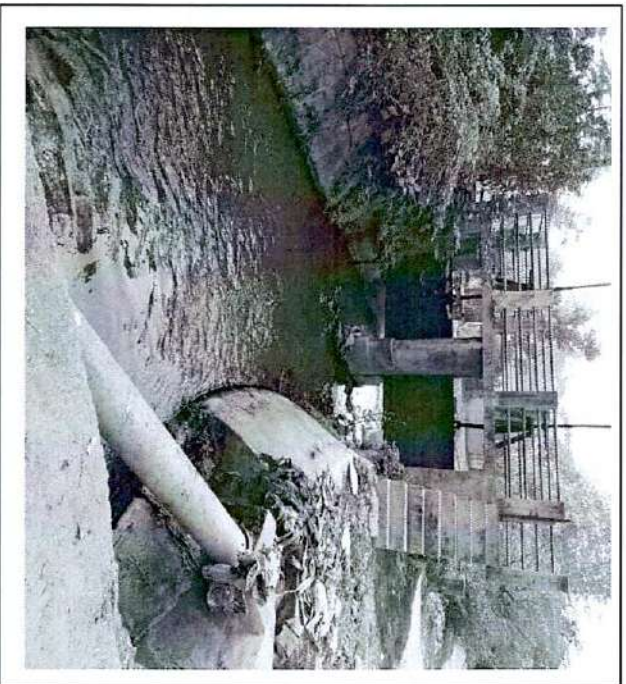
Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternate Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
					proposed there.		
41.	Champdani Ferry Chat / Paolghat Drain	Chapdani	2.6 MLD	I&D work proposed after Augmentation/Up-gradation of existing STP at Serampore&Champdani Municipal town.	Tender Invited for preparation of DPR.	Approval awaiting from DTC, UD&MA	Financial evaluation in progress
42.	Khardah Khal	Khardah	271.5 MLD	NO	Drain with humungus capacity and flow will be treated as separate canal/River	Tender invited for preparation of DPR	Financial evaluation in progress
43.	N.C. Pal Khal	Sankrail, Howrah	10.7 MLD	NO	Tender invited for preparation of DPR for Howrah added zone in I&D with STP	Tender invited for preparation of DPR	Financial evaluation in progress
44.	Saraswati Khal	Howrah	20.6 MLD	NO	Tender invited for preparation of DPR for Howrah added zone in I&D with	NIL	NIL

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternate Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
					STP.		
45.	DhopaChat Drain	Bansberia	0.1 MLD	NO	NO	Interception of the drain is not possible	NIL
46.	Chandannagar Drain	Chandannagar	0.4 MLD	Taken up into the STP at Chandannagar by I&D work	NO	Work started soon	NIL
47.	Nazerganj Khal	Sankrail, Howrah	1075.2 MLD	No	Preparation of DPR for Howrah added zone in I&D with STP	Tender invited for preparation of DPR	Financial evaluation in progress
48.	ITC Triveni Drain	Hooghly	0.5 MLD	No	No	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.	Action plan of this drain has been submitted by WBPCB.

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
49.	Akhra Food Ghat drain (New Muri Khali Khali)	Mahestala	362.9 MLD	No	No	Approval awaiting from DTC, UD&MA	Financial evaluation in progress
50.	DVC Canal	Champdani	353.6 MLD	No	No		
51.	Bazarpara- Garighat Drain / Sharenga drain	Sarenga- Sankrail, Howrah	185.9 MLD	No	No	For Sarenga Khal, where 9 no. of effluent generating units are discharging effluents, WBPCB has already taken regulatory action.	Action plan of this drain has been submitted by WBPCB.
52.	Baidyabati Drain	Baidyabati	576.0 MLD	No	Drain with humungus	Tender invited for	Financial evaluation in

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternate Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
					capacity and flow will be treated as separate canal/River	preparation of DPR	progress
53.	Bally Khal	Bally	4860.0 MLD	NO	Drain with humongous capacity and flow will be treated as separate canal/River	Second call for Tender has been invited for preparation of DPR	Financial evaluation in progress
54.	Singhi More Khal	Sankrail, Howrah	1.1 MLD	NO	Tender invited for Preparation of DPR for Howrah added zone in I&D with STP	Tender invited for preparation of DPR	Financial evaluation in progress
55.	BTPS Out fall Drain-I	Hooghly	5.9 MLD	No	No	WBPCB taken regulatory action.	NIL
56.	Bagher Khal	Kanchrapara	134.50 MLD	To be diverted to the ongoing Kanchrapara STP	No	I&D work is under Progress	Nil

SITE VISIT PHOTOS OF OUTFALLS IN NOVEMBER 2022



GARIFA SOUTH (RAM CHAT)



HALISAHAR DRAIN LOCKGATE

4. Details of Alternate Treatment Technology being adopted in the Polluted River Stretches.

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

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)

Date: 12.04.2023

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 NCT under different OAs, it is felt necessary now, that the concerned Engineers of the Executing Agencies- KMDA, KMC, MBD, SJDA, SLRDC, ADDA, and others should make compulsory Site Visits 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 Abatement measures being taken.
3. Visit to the identified Polluted River stretches and review the progress of different Pollution Abatement measures being taken 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 ongoing Projects.

This issue has an approval of the Higher Authorities.

Joint Secretary
UD&MA
Department

MemoNo. -UDMA-24011(99)/7/2021-JS(UDMA) Date: 12.04.2023

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'ble MIC
16. PS to Principal Secretary

Joint
Secretary UD&MA
Department



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

Memo. No. 1809 - PRD-24023(11)/3/2021-Sanitation

Date: 21.03.2023

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

To : 1) The Chief Executive Officer,
 Kolkata Metropolitan Development Authority.

2) The Additional Secretary to the Govt. of West Bengal,
 Department of Environment.

Sub: Report in the matter of Original application NO.10/2016/EZ for National Green Tribunal.

Sir,

With reference to the subject cited above enclosed please find herewith status report on improvement quality of water in Mahananda river regarding compliance of directives of Hon'ble National Green Tribunal as per application No. 10/2016/EZ for your kind perusal.

Sl No.	River	Name of the Block	River Adjoining Gram Panchayat	Action taken	Proposals
1.	MAHANANDA	Matigara	Matigara-I	3586 no. of Individual House Hold Latrine (IHHL), 03 nos Community Sanitary Complex constructed. IEC of single use plastic & plastic items has been taken up.	Plastic Waste Management Unit for Matigara Block, [05 nos Gram Panchayats to be covered] included in 15 th FC(2023-24) and Soak Pit, Compost Pit, WSP is included in 15 th FC Plan of SMP (2023-24) under Swachha Bharat Mission. SWM unit is already operational in Matigara I GP, Champasari GP and Matigara II GP. GWM work has been taken up in all GPs
2.			Matigara-II	(6673) no. IHHL, 03 nos, Community Sanitary Complex constructed, 02 nos Community Sanitary Complex constructed Matigara - II SWM Unit under construction. IEC of single use plastic & plastic items has been taken up.	
3.			Champasari	6907 no. IHHL, 06 nos. (Community Sanitary Complex constructed. IEC of single use plastic & plastic items has been taken up..	
4.		Phansidewa	Phansidewa B.K	6714 nos. IHHL, 10 nos Community Sanitary Complex constructed. IEC of single use plastic & plastic items has been taken up.	Plastic Waste Management Unit for Phansidewa Block, [07 nos Gram Panchayats to be covered] STP Plant for entire Siliguri Mahakuma Parishad area will be set up in Buraganj Gram Panchayat of Khoribari Block under 15 th F.C (2022-23) and Soak Pit, Compost Pit, WSP are included in 15 th FC Plan of SMP (2022-23), under Swachha Bharat Mission. 716 IHHL under New emerging category has been constructed.. Solid Waste Management unit for Jalash Nijam Tara & Bidhan Nagar-I are under construction. They are clubbed together with Phansidewa Bans Gaon & Ghoshpukur GP respectively
5.			Chathat	6844 nos. IHHL, 03 nos Community Sanitary Complex constructed. IEC of single use plastic & plastic items has been taken up.	
6.			Jalash Nijamtara	9673 nos. IHHL, 05 nos Community Sanitary Complex constructed. IEC of single use plastic & plastic items has been taken up.	
7.			Bidhannagar-1	6220 nos. IHHL, 10 nos Community Sanitary Complex constructed. IEC of single use plastic & plastic items has been taken up..	

**Mission Director, SBM(G) &
 Additional Secretary to Govt. of W.B**

Status of Municipal Solid Waste Management of 125 ULBs

Municipal Solid Waste Management: At a Glance

SL No	Particulars/Activities	Status
1	Urban Local Body	125*
2	Ward	2927
3	Population as per census 2011 (in crore)	2.09
4	Urban Households (in lakh)	66.12
5	Waste Generation (TPD)	13469.19
6	Door to door collection of waste (Ward)	13372.32 TPD (99.28%) in 2922 wards (99.83%)
7	Waste segregation at source	8267.39 TPD (61.38%) in 2155 Wards (73.35%).
8	Waste processing (TPD)	3053

- Recently 3 ULBs – Bally, Falakata and Mainaguri have been formed where activities for solid waste management has just started .

Legacy Waste Management

Sl. No.	Particulars	Status
1	ULBs (with dumpsites)	112
2	Dumpsites	123
3	Quantity of legacy waste (lakh MT)	110.76
4	Quantity of legacy waste Processed (lakh MT)	32.23
5	Bioremediation completed	26 dumpsites of 21
6	Work in progress	82 dumpsites of 77 ULBs
7	AA& FS Awaited	6 dumpsites of 5 ULBs
8	Tendering Stage	9 dumpsites of 9 ULBs

Out of total 443.88 acre land, 183.70 acre (41.39%) land has been reclaimed

Fresh Waste Management : Wet & Dry waste processing

Sl. No.	Particulars	Status
1	Complete processing plant	2 ULBs
2	500 MTD Plant in operation. Tender for remaining waste under process	Kolkata MC
3	Entire fresh waste being carried and processed at Dhapa	Bidhannagar MC
4	Work order issued	56 ULBs
5	AA&FS Awaited	8 ULBs
6	Tender under evaluation	2 ULBs
7	Tender Floated	1 ULB
8	RfP under preparation	7 ULBs
9	To be processed through SHG	47 ULBs

Interim Fresh Waste Processing Status

Sl. No.	Interim CPU	Present Status
1	AA&FS issued	59
2	Work Order Issued	38
3	Installation of Machines, Construction Work Started	31
4	Processing started	23
Till now total 257.48 TPD waste being processed out of which 146.21 TPD is wet waste 111.27 TPD is dry waste		
Rest sites to be started within March, 2023		

ODF and ODF+ Status

Sl no	Component	Status
1	No of ULBs Self declared as ODF	125
2	No of ULBs Certified as ODF by GoI	98
3	No of ULBs submitted Estimates to SUDA	116
4	AA & FS Sanctioned to ULBs	114
5	Tender invited and Work Order given by the ULBs	108
6	Repair/renovation work started in the ULBs	105
7	Repair/renovation work completed (except placing non schedule items) by the ULBs	62
8	1st level self declaration of ODF+(with notice period of 15 days) done in the ULBs	62
9	2nd and final self declaration of ODF+ to be done by the ULBs	30

Minutes of the Meeting on the progress of Liquid Waste Management and Legacy Waste Management in West Bengal under the Chairmanship of Hon'ble Chief Secretary, West Bengal.

Date: 14/02/2023 at 10:30 A.M.

Venue: 13th Floor, Conference Hall, Nabanna, Howrah.

Hon'ble Chief Secretary welcomed all the Officers participated in the meeting through physical and virtual mode (List enclosed) and initiated the discussion. He asked Nandini Ghosh, IAS, Program Director, WBSPMG to start presentation with particular reference to the decisions taken and instruction given in the last Meeting held on 7.11.2022.

The decision taken in the Meeting are as follow:

1. Preparation of Master Plan for Urban areas in West Bengal for Liquid Waste Management keeping in view the projected population in 2037:

A Master Plan for the State of West Bengal for Sewerage Generation in Urban areas vis-à-vis gap between existing and Planned Treatment Capacity considering the projected Urban population in 2037 and construction of STPs, FSTPs from funding under NMCG, AMRUT, SBM II & State funding for mitigating the gap in a phased manner, is decided to be prepared.

Action-WBSPMG and KMDA

2. Projects sanctioned under NG II of NMCG Program in the State of West Bengal:

Program Director, WBSPMG stated that there is a budgetary provision for West Bengal for the year 2022-23 for a sum of Rs. 2885 Crore out of which Rs. 1020.77 Crore has already been sanctioned under different Projects. Projects for Rs. 1108.07 Crore has been submitted with the NMCG and it is under their consideration. The DPRs for balance fund of Rs. 751 Crore is being submitted to NMCG by 31st March, 2023.

Action-WBSPMG and KMDA

3. Status of House to House Connection:

60% of the work of House to House connection for the six numbers of functional STPs have been completed and balanced 40% work is under progress. Department of UD & MA has prayed some more time before Chief Secretary for the balance execution. Principal Secretary, UD & MA Department, pointed out that the matter of House to House Connection is dealt with by the ULBs out of the State Fund sanction.

Action-Department of UD & MA and KMDA

4. Re-use of Treated Water:

The matter of re use of Treated Water was discussed and it is informed by the Program Director, WBSPMG that as on date 20% of Treated Water is in use now for activities like Gardening, Pisciculture, Road Washing, Car Washing. WBSPMG has been conducting intensive Mass Awareness Program for promoting the use of treated water for the above mentioned use, so that the valued potable drinking water can be saved.

Action-WBSPMG

5. Mandatory display of Design Parameter:

Design Parameter are being displayed in STP sites, so that the real time water quality data can be compared with them. Also, the work of integrating the Static Data and Design Parameters in the Paribesh App of WBPCB should be taken into priority.

Action-WBSPMG and WBPCB

6. In course of Discussion the Hon'ble Chief Secretary directed to look after the following few issues for execution:

i) Solar Power Plant:

Chief Secretary pointed out that today is the time for using Solar and non-conventional Energy as these are pollution free and renewable. We have to explore the possibility of setting up of Solar Energy Plant in all the existing and forthcoming STPs and FSTPs mandatorily. He also said that by installing Solar Energy Plant the expenditure of Energy for O&M Phase can be reduced considerably.

Action-WBSPMG, KMDA and KMC

ii) Use of Aerobic Bacterial Technology in STPs:

MS WBPCB stated that the result of charging of Aerobic Bacterial Technology in STPs, Pumping Stations, Septic Tanks on pilot basis is quite satisfactory and in the long run it will help reduce Faecal coliform to a large extent. The use of this technology can be promoted commercially and to start with, it may be used in the large housing complexes, hospitals and later on Municipalities can be included in a phased manner.

Action-Department of UD & MA and WBPCB

7. Legacy Waste Management:

The status of Legacy Waste Management was presented by the PD, WBSPMG and the Chief Secretary directed to complete the work in all pending site early. He expressed his concern on the generation of RDF from the Legacy Waste site. He directed that the Agency should take care of the RDF removal immediately otherwise penal action will be taken against them. He also pointed out to talk with the Cement Industries for use of RDF as fuel.

Action-Department of UD & MA and KMDA

8. Incremental Progress since last review meeting held in November, 2022:

The Incremental Progress achieved on the work done under different projects since the last review meeting held in November, 2022 were discussed and the progress was found to be satisfactory and the same is to be maintained.

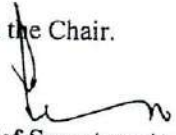
Action-WBSPMG

9. Status of STPs, FSTPs under Bidding Stage in West Bengal:

The status of STP, FSTPs under Bidding Stage in West Bengal were discussed and the Chief Secretary directed to complete the work keeping in view the targeted timeline.

Action-WBSPMG, KMDA and KMC

Having no other points to discuss, the meeting ended with a vote of thanks to and from the Chair.


Chief Secretary to
the Govt. of West Bengal

Minutes of the Meeting held at UD & MA Department Conference Hall (6th Floor) Nagarayan, DF – 8, Sector – I, Salt Lake on 14.03.23 regarding “Installation of FSTPs and use of Existing STP facilities for Treatment of Faecal Sludge Management of Urban Local Bodies of the State”

Principal Secretary, UD & MA Department, Government of West Bengal took the Chair and initiated discussion. The meeting was attended by the following officials of UD & MA Department (SUDA, AMRUT, KMDA, MED), West Bengal State Pollution Control Board(WBPCB), West Bengal State NGRBA Management Group (WBSPMG) and experts on Liquid Waste Management (LWM).

1. Smt. Nandini Ghosh, IAS, Senior Special Secretary, UD & MA Department and Program Director, WBSPMG
2. Sri Supriyo Ghosal, Director, SUDA
3. Sri Badri Narayan Kar, Mission Director, AMRUT
4. Sri Jolly Chaudhary, Additional Director, SUDA
5. Sri Avadh Singhal, Asst. Project Director, WBSPMG
6. Sri Kamallesh Basak, DG, GAP Wing, W & S Sector, KMDA
7. Sri Soumitra Bhattacharyya, DG, Tolly Nullah, KMC
8. Sri Tapas Gupta, Chief Technical Advisor, WBPCB
9. Sri Prantik Roy, CE, GAP Wing, W & S Sector, KMDA
10. Sri Rajib Sadhu, CE, SWM, KMDA
11. Sri Biswajit Das, CE, MED
12. Sri Arunabha Mazumdar, Former Director-Professor and Head, Sanitary Engineering, Department of All India Institute of Hygiene and Public Health
13. Dr. Partha Sarathi Ghoshal, Assistant Professor, IIT, Kharagpur
14. Sri Tapas Mandal, SCE, WBSPMG
15. Sri Asish Jana, PHE, WBSPMG

At the outset, APD, WBSPMG showed a Power Point presentation highlighting the following issues on which detailed discussions were held.

1. Whether existing under utilized Sewage Treatment Plants can be utilized by transporting Septage through Cesspool vehicle and emptying in the diversion chamber before MPS or in MPS of the STPs for co-treatment of Faecal Sludge and Septage getting generated in the town. If the answer is in the affirmative, whether need for setting up of FSTP would arise at all.
2. Whether existing Technology in the STP/s (SBR / WSP) needs to be modified to maintain FC, BOD, COD within defined limit.
3. While setting up of FSTP is a temporary feasible solution where required amount of land for construction of STP is not readily available, it needs be ascertained how the grey water including supernatant management would be done.
4. Appropriate Septage generation rate relevant to the guidelines/IS codes is to be considered for calculating the capacity of FSTP.

After threadbare discussions, the following decisions were taken:

1. (a) A good number of STPs having different technologies are operational for treating Municipal sewage which are operating below their designed capacity. It was decided that if the installed STPs are underutilized, Faecal Sludge and Septage generated in the towns would be co-treated in the existing STP/(s).
- (b) No FSTP will be constructed without ensuring full utilisation of STP capacities. Treating capacity of each STP may be considered by taking into account the additional 5 % designed capacity with Septage load as outlined in the FSSM policy of the State.
- (c) If needed, one disinfectant unit would be retrofitted at the outlet of the existing STP /s installed on WSP based technology to address the Faecal Coliform (FC)load within the prescribed limit.

Actions- KMDA, SUDA, MED, WBSPMG

2. (a) In line with the decision taken at SI no.1, a Meeting would be held under the Chairmanship of Program Director, WBSPMG with the Chairperson of the concerned towns for giving them mandate for utilisation of underutilized STPS for Co-treatment of Faecal Sludge and Septage of the town.

Actions- WBSPMG

- (b) Required number of GPS tracked Cess pool vehicle would be provided by the SUDA, if needed, to the ULBs for transporting and emptying the Septage in the existing STPs.

Actions- SUDA

- (c) CE, GAP, KMDA would provide the status of the designed capacity of the functional STPs with design year vis –a –vis present percentage (%) utilisation of the facility.

Actions- CE GAP, KMDA

3. In Non-KMA towns, septic tanks are now being used for treatment of human excreta. It was decided that, Faecal Sludge and Septage generated in the town would be treated by installing FSTP/s either in Standalone or cluster mode approach as outlined in the FSSM policy, 2022 of the State.

- (a) To start with, CE, MED will provide 4 (four) Cluster FSTP proposals in line with the FSSM Policy, 2022, within 15 days.

Actions- MED

- (b) CE, MED will also ensure submission of 2 DPRs on FSTP projects at Siliguri and Kharagpur under the supervision of IIT, Kharagpur with the AMRUT within 15 days.

Actions- MED

- (c) AMRUT will prepare DPRs on the FSTP proposals by engaging agency.

Actions- AMRUT

4. In the event of possibility of setting up of FSTP only, the grey water management would be done by providing in-situ treatment/ low cost sewage treatment facility. CE GAP, CE MED and CE SWM KMDA will coordinate in this regard.

Actions- KMDA, MED

5. It was decided that capacity of FSTP would be calculated on the basis of Septage generation @ 120 litres per year per capita based on advisory note on Septage Management released by the Ministry of Urban Development (MoUD), Govt. of India in the year 2017 at page 45 with the provision of emptied interval once in 3 years.

Actions- FSSM Committee

6. While cesspool vehicle would be used for cleaning of septic tanks, ULBs will levy user charges at par of the operating cost. The Male SHGs will be deployed for this purpose in the ULBs. SUDA will coordiante with the ULBs in this regard.

Actions- SUDA

7. (a) It was decided that SUDA would arrange orientation workshop (physical) on the FSSM policy, 2022 of the State with participation of Chairperson, Executive Officer and Municipal Engineer along with SI's of all ULBs to appraise them of the policy details as well as the approach adopted for implementation of FSSM plan.

Actions- SUDA

- (b) The committee constituted by the UD & MA Department for framing the FSSM policy will provide the content support for holding orientation workshop. The workshop may be arranged involving ULBs zone wise (In North and South Bengal).

Actions- FSSM Committee, SUDA

As there were no other issues to discuss, the meeting ended with a vote of thanks to and from the Chair.



Senior Special Secretary,
UD & MA Department, GoWB
& Program Director, WBSPMG



Principal Secretary,
UD & MA Department, GoWB
& Executive Chairperson, WBSPMG

Minutes of the Arth Ganga review meeting with DGCs, West Bengal

Date: 21.03.2023

Venue: 2nd Floor, Unnayan Bhawan

The meeting was chaired by Nandini Ghosh, IAS, Program Director, WBSPMG. Other respected WBSPMG officials like Assistant Project Director, WBSPMG, Director of Finance & Administration, WBSPMG, C & POC, WBSPMG, PHE, WBSPMG, SFS, WBSPMG were present in the meeting and all nine District Ganga Committees were also present in the meeting through VC. The Arth Ganga review meeting of WBSPMG started with a brief discussion regarding the Arth Ganga 6 key verticals and preparation of Arth Ganga meeting on 24th March, 2023, organized by NMCG.

Decision taken in the meeting: -

1. It is decided in the meeting that, although Purba Bardhaman and Purba Medinipur DGCs are not participating in the ARTH GANGA meeting, organized by NMCG, they also should prepare and submit an annual plan and tentative estimate of fund requirement under ARTH GANGA component for their districts within 31st March, 2023.
2. Within the Arth Ganga annual plan, it has been requested to all DGCs not to focus on any heavy infrastructural project. Focus should be on various kind livelihood generation activities.
3. It had been advised to all DGCs to prepare a tentative plan for the meeting of 24th March, 2023 with NMCG.
4. With the help of district-wise IIT-IIM consortium reports on ARTH GANGA project, District may prepare initially for the scheduled 24th March, 2023's meeting.
5. It is also decided in the meeting that, all the DGCs have to streamline submitting the IEC MPR to the office of Program Director of WBSPMG with good quality geo-tagged photographson regular basis.
6. It is also decided that, the events on the occasion of **World Water Day** shall be organized by DGCs in various location.
7. It is decided that, all District Ganga Committees should select at least two-three Educational Institute from respective DGCas Model Educational Institute for the Public Outreach & Knowledge Based Events.
8. It is decided in the meeting that, all DGCs should submit the details of at least 75 number of school and colleges for the distribution of *Chacha Chaudhary* comics, prepared by NMCG for mass awareness and river-people connect.

9. Howrah District Ganga Committee had been requested to send the pending fund requisition of already conducted IEC activities.
10. As DGCs have the pivotal role to play regarding monitoring the NMCG funded assets in the respective districts, the chairpersons of all district ganga committees had been communicated the same through letter and requested for a monthly report based on the visit by the committee, as directed.
11. As HDA had sent a different requisition of fund for the rent of the space in Haldia Mela 2023, It is decided in the meeting that, Purba Medinipur DGC should coordinate with Haldia Development Authority regarding the issue and send an additional requisition of fund, if needed.
12. As a feasibility report had been requested regarding an electric crematorium in Sarenga area from District Magistrate of Howrah DGC, it may be expedited.

Having no other business, the meeting ended with a vote of thanks to and from the chair.



Nandini Ghosh, IAS
Program Director, WBSPMG



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)	6.98	6.9	2.5	110000	50000	240
	Mahananda	Ramghat(Downstream)	6.95	4.7	15	2200000	1400000	27000
II	Vidyadhari	Haroa bridge (upstream)	7.45	NIL	10.36	110000	49000	240
	Vidyadhari	Malancha (downstream)	7.26	1.7	9.31	79000	33000	170
II	Churni	Downstream of Ranaghat town	7.5	3.4	2.31	33000	13000	2200
	Churni	Majhdia	7.64	1.3	10.57	79000	35000	790
III	Matha bhanga	Gobindapur	7.53	12.8	1.1	130000	79000	1700
IV	Ganga	Farakka	8.34	9.7	2.45	220	130	23
	Ganga	Farakka	8.44	9.8	1.6	3500	1700	27
	Ganga	Baharampore	8.38	9.9	1.75	7900	3500	490
	Ganga	Baharampore	8.18	9.4	1.85	4900	2300	790
	Ganga	Gorabazar	8.43	9.4	2.2	11000	5400	490
	Ganga	Gorabazar	8.25	9.3	1.7	22000	17000	790
	Ganga	Khagra	8.34	9.3	1.5	940	320	79
	Ganga	Khagra	8.34	9.8	2.35	1300	460	49
	Ganga	Nabadip	8.37	9.4	2.2	1100	700	49
	Ganga	Nabadip	8.38	8.6	1.2	1300	790	49
	Ganga	Tribeni	8.35	8.70	1.20	1100	490	130
	Ganga	Tribeni	8.38	9.70	1.60	1300	490	49
	Ganga	Palta Shitalatala	8.45	9.6	1.7	49000	23000	1400
	Ganga	Palta Shitalatala	8.12	8.8	2.1	70000	49000	1100
	Ganga	Palta,	8.29	8.8	1.4	23000	13000	790
	Ganga	Palta	8.44	9.9	1.7	23000	13000	790
	Ganga	Serampore	8.31	8.80	1.40	23000	13000	1100
	Ganga	Serampore	8.37	9.70	1.45	17000	9400	1300
	Ganga	Dakshmineswar	7.44	7.5	3.2	110000	70000	270
	Ganga	Dakshmineswar	8.05	7.3	2.9	140000	79000	310
	Ganga	Garden reach	7.43	7	2.8	110000	46000	210
	Ganga	Garden reach	7.38	7.7	3.1	110000	79000	270
	Ganga	Howrah-shivpur	7.33	7.1	2.95	79000	49000	270
	Ganga	Howrah-shivpur	7.12	7.8	3	79000	46000	170
	Ganga	Uluberia,	7.99	6.5	2.4	27000	17000	130
	Ganga	Uluberia,	7.9	6.2	2.3	46000	23000	210
	Ganga	Durgachak near Pathikhali,	8.39	7.3	1.35	11000	6300	240
	Ganga	Durgachak near Pathikhali,	9.05	7.1	1.6	13000	7000	320
	Ganga	Diamond harbour,	7.7	6.8	3.2	7900	4600	33
	Ganga	Diamond harbour,	7.84	6.8	2.45	7800	4500	23

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)	7.1	6.1	3	90000	14000	920
	Mahananda	Ramghat(Downstream)	7.28	3.3	17	220000	110000	22000
II	Vidyadhari	Haroa bridge (upstream)	7.3	NIL	9.25	110000	70000	460
	Vidyadhari	Malancha (downstream)	7.32	1.2	6.13	79000	49000	310
II	Churni	Downstream of Ranaghat town	7.41	1	4.83	170000	130000	2200
	Churni	Majhdia	7.48	1	5.85	35000	17000	1300
III	Matha bhanga	Gobindapur	7.45	1	6.33	110000	54000	1400
IV	Ganga	Farakka	8.12	9.4	2.9	310	230	23
	Ganga	Farakka	7.74	8.9	2.95	1700	700	46
	Ganga	Baharampore	8.06	9.4	2.7	33000	23000	700
	Ganga	Baharampore	7.56	8.4	2.35	35000	24000	1300
	Ganga	Gorabazar	8.07	9.5	2.95	24000	13000	330
	Ganga	Gorabazar	7.48	8.6	2.8	24000	7900	490
	Ganga	Khagra	8	9.3	2.85	1300	490	70
	Ganga	Khagra	7.77	8	1.85	1400	490	49
	Ganga	Nabadip	8.36	9.4	1.65	1300	790	79
	Ganga	Nabadip	7.89	8.7	2.65	1300	700	110
	Ganga	Tribeni	8.43	9.6	1.8	1700	790	110
	Ganga	Tribeni	8.12	8.4	1.65	2400	1100	110
	Ganga	Palta Shitalatala	7.84	8.1	2.95	49000	23000	700
	Ganga	Palta Shitalatala	7.98	8.7	2.85	110000	46000	1200
	Ganga	Palta,	7.83	8	2.7	70000	22000	790
	Ganga	Palta	8.24	8.9	2.95	70000	33000	940
	Ganga	Serampore	8.12	8.9	2.8	49000	23000	1100
	Ganga	Serampore	7.87	8.2	2.8	79000	33000	1300
	Ganga	Dakshmineswar	8.02	7.5	3.3	140000	79000	330
	Ganga	Dakshmineswar	7.89	6.9	2.9	130000	49000	260
	Ganga	Garden reach	7.95	6.4	2.95	140000	70000	330
	Ganga	Garden reach	7.87	7.8	3.95	130000	79000	330
	Ganga	Howrah-shivpur	7.87	6.4	2.85	120000	70000	270
	Ganga	Howrah-shivpur	7.32	7.8	3.6	110000	70000	230
	Ganga	Uluberia,	7.32	6.8	3.05	46000	33000	130
	Ganga	Uluberia,	7.12	6.3	2.95	33000	23000	170
	Ganga	Durgachak near Pathikhali,	8.5	7.1	1.45	11000	6300	210
	Ganga	Durgachak near Pathikhali,	8.44	6	0.95	14000	7000	260
	Ganga	Diamond harbour,	7.29	5.9	2.9	11000	7800	33
	Ganga	Diamond harbour,	7.97	6.8	2.35	7900	4900	70

IV	KANSI	Downstream at Midnapore	8.7	5.4	1.6	4700	2700	78
IV	JALANGI,	Downstream of Krishna nagar	8.08	8.4	2.1	13000	7900	130
V	Damodar	Dishergarh	6.65	8.8	1.95	3300	2100	21
	Damodar	IISCO near Dhenna Village,	8.23	8.7	2.25	3900	2600	17
	Damodar	Narainpur	6.84	8.7	2.45	4000	2600	17
	Damodar	Near Mujher Mana Village	7.93	8.1	2.75	2700	2100	26
	Damodar	Andal D/s	7.4	8.9	2.45	3300	2200	26
	Damodar	Andal U/s	7.18	8.8	2.5	3200	2100	21
	Damodar	Asansol U/s	7.86	8.9	1.85	4600	3200	14
	Damodar	Durgapur U/s	7.52	8.9	2.4	4700	1700	22