

Government of West Bengal
Department of Environment

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

No. EN/319 /3C-01/2019

Dated, Kolkata 16 September, 2022

From :: Smt Neelam Meena, IAS
Secretary
Environment Department
Govt. of West Bengal

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

Sub: Monthly Progress Report – May -2022 to August,2022.

Sir,

The undersigned is directed to send herewith the Monthly Performance Report(MPR) in the prescribed proforma for the months of May -2022 to August,2022, for the State of West Bengal in respect of polluted river stretches in West Bengal as reported by Urban Development & Municipal Affairs Department.

This is for kind information and necessary action, please.

Yours faithfully



Secretary
Department of Environment

National Mission for Clean Ganga

Monthly Progress Report in the NGT Matter O.A.No.673 from the month from May
2022 to August 2022 updated as on 31st August 2022.
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 : 46(1745.35MLD)
 - b. No. of STPs under construction 11 (196.85 MLD)
 - c. No. of STPs under renovation 6 (246.7 MLD)
 - d. No. of STPs under proposal/tender stage 30 (678MLD)
 - IV. Total Treatment Capacity (a+b+c+d) 2866.9MLD
- 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	DighaSankarpur 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	Dhiler Bheri	150
44	Damodar	DMC	Durgapur City Centre	1
45	Ganga	KMDA	Kanchrapara	18
46	Mirik Lake	MED	Mirik	1.5
Primary Treatment			Kaljani/Karola/Mayurakshi/Shilabati/Kansi/Rupnarayan/Dwarkeswar/Jalangi Rivers	95
Total				1745.35

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	March 2023
2.	Ganga	KMC	M.G. Road	40	March 2023
3.	Dwarka	PHED	Tarapith	4.25	Sept 2022
4.	Ganga	KMDA	Baharampore	3.50	Aug, 2023
5.	Ganga	KMDA	Raghunathganj	5.00	Aug, 2023
6.	Ganga	KMD	Jangipur	8.00	Aug, 2023
7.	Ganga	KMC	Rania	23	May 2023
8.	Churni	KMDA	Sreenathpur	4	November, 2023
9.	Churni	KMDA	Silver Jubilee Road	2.6	November, 2023
10.	Ganga	KMDA	Hooghly-Chinsurah	26.5	July 2023
11.	Ganga	KMDA	Maheshtala	35	June 2024
Total				196.85	

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	BhangaKhal, Garden Reach	35
7.	Vidyadhari	KMC	Borough-XII	70
8.	Churni	KMDA	Jianagar	5.2
9.	Ganga	KMDA	North-Barracpore	30
10	Ganga	KMDA	North-Barracpore	8
11	Ganga	MED	Katwa	11

12	Ganga	MED	Katwa	2.5
13	Ganga	MED	Santipur	18.1
14	Ganga	MED	Chakdah	11.6
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
Total		30 STPs		678

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 =8509
 Total Bio-medical generation =41571.4 kg / day
 Status of Treatment Facility / CBMWTF = 6 CBMWTF are operating
 Treatment capacity = 1,40,000 bed

All Biomedical wastes generated in the state are treated at the six (6) 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 =809
 Total Hazardous Waste generation =157846.80 MTA
 Treatment Capacity of all CHTSDFs
 Land fill capacity =1,20,000 MTPA
 Land fill after treatment =60,000 MTPA
 Incineration =10,000 MTPA
 Storage area =30,000 MTPA
 Alternate Fuel & Resource Facilities (AFRF) =2,00,000 MTPA
 Average quantity of hazardous Waste reaching TSDF = 35,684.48 MT

One CHWTSDF at Saltora, Bankura has been set up but yet to be commissioned.

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'21 has been generated. GWL monitoring for the month of April'21 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'21) 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) Mathabhangariverstretch: <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 Barakarriver. - Groundwater sampling for its Physio-chemical tests is done twice a year (April & Nov). Post-Monsoon (Nov'21) 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'21) 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'21) GW sampling from 52 GW monitoring stations under the blocks along polluted stretch of River Ganga is completed.
River	Groundwater regulation
Churni	Groundwater regulation: - Water meter without telemetry system is installed industrial tubewell. - Physio-chemical quality of groundwater samples collected from GW monitoring wells during pre-monsoon and post-monsoon period is tested every year. Groundwater monitoring: Post-Monsoon (Nov'21) GW level data against 136 GW monitoring stations under the blocks along polluted stretch of River Churni is generated. GW Monitoring Stations (52)=42 (Manual) + 10 (Real-Time) Post-Monsoon (Nov'21) 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'21) GW level data is generated. - All are "safe" categorized block along polluted stretches of Kansi, Mayurakshi, Rupnarayan, Jalangi River except the following Blocks. ✓ Kansi River Stretch: <i>Semi-Critical</i>- Keshpur, Debra (PaschimMedinipurDist) <i>Critical</i>- Panshkura (PurbaMedinipurDist) ✓ Mayurakshi River Stretch: <i>Semi-Critical</i>- Suti-I (MurshidabadDist), Labhpur (BirbhumDist) ✓ Jalangi River Stretch: <i>Semi-Critical</i>- Berhampur, Nowda (MurshidabadDist), Tehatta-II, Chapra (Nadia Dist) <i>Critical</i>- Domkal (MurshidabadDist), Karimpur-II, Tehatta-I, Nakashipara, Krishnagar-II, Krishnagar-I (Nadia Dist) □ Groundwater sampling for its Physio-chemical tests is done twice a year (April & Nov). Post-Monsoon(Nov'21) GW sampling is completed.
Mayurakshi	
Rupnarayan	
Jalangi	
Silabai	- Control and Regulation) Act, 2005 by SWID, GoWB. - Water meter without telemetry system is installed at industrial tube well permitted by SWID. - Groundwater Resources Estimation and Assessment (2016-2017) is done as per GEC'97 guidelines. - Groundwater level (GWL) monitoring is done periodically four times a year (Jan, April, Aug & Nov). A few manual GW Level Monitoring stations is converted to Real-Time GW Level Monitoring stations by - installation of Digital Water Level Recorder (DWLR). Post-Monsoon (Nov'21) GW level data is generated. All are "safe" categorized block along polluted
Dwarekeswar	
Kaljani	
Karola	

	stretches of Silabati, Darakeswar, Kaljani and Karala River. Groundwater sampling for its Physio-chemical tests is done twice a year (April & Nov). Post-Monsoon (Nov'21) GW sampling is completed.
Mahananda Teesta	Groundwater regulation: - Groundwater extraction is regulated according to West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005. - Water meter without telemetry system is installed at industrial tube well permitted by SWID. - Groundwater Resources Estimation and Assessment (2016-2017) is done as per GEC'97 guidelines. - Groundwater level (GWL) monitoring is done periodically four times a year (Jan, April, Aug & Nov). A few manual GW Level Monitoring stations is converted to Real-Time GW Level Monitoring stations by installation of Digital Water Level Recorder (DWLR). Post-Monsoon (Nov'21) GW level data is generated. All are "safe" categorized blocks along polluted stretch of Teesta and Mahananda river. Groundwater sampling for its Physio-chemical tests is done twice a year (April & Nov).

IX. Good irrigation practices being adopted by the State:

River	Stretch of the river	Good irrigation practices
Dwarka	Tarapith to Sadhak Bamdeb Ghat	A command area of 6735 ha in Rampurhat-II block is irrigated by the canal system of Mayurakshi barrage project belonging to I&W Department. At present a major canal renovation work of the Mayurakshi Reservoir Project for a total length of 67 km. is going on since 2018-19 which inter alia includes the canal system of length of 19 km in Rampurhat-II block.
Ganga	Tribeni to Diamond Harbour	By diverting tidal water through the sluices on the bank of the river irrigation is provided at (a) Mograhat-I & II, Mandirbazar, Diamond Harbour-I & II through Diamond Harbour Canal system (1500 ha), at Budge Budge-I & II blocks, Bishnupur-I & II blocks through Charial Canal (1580 ha) Uluberia, Shyampur, Bagnan-I and Bagnan-II blocks. Through Rajapur Canal, Purana canal, Chandanpara canal and Nakal canal (1500 ha). Repair of sluices and canal system are taken up as and when required.
Kansi	Midnapore to Ramnagar	Irrigation is provided at Kharagpur-II and Debra blocks through Medinipur Main Canal System originating from Medinipur Anicut. This canal system along with Medinipur structure has been rehabilitated recently which also includes the canal system in Medinipur, Kharagpur-I and Debra blocks. As a result irrigation has been started in these areas after a decade.
Dwarekeswar	Along Bankura	Irrigation is provided in Onda block from the canal system of Kangsabati Reservoir Project. Moreover there are four medium and minor irrigation schemes in Bankura-I and Onda blocks namely Niada (405 ha), Birai (2700 ha), Horajore (80 ha) and Abarda (80 ha) through which 3265 ha area is irrigated. The canal system of the aforesaid schemes and the regulating structure has undergone major rehabilitation during last two years.
Kaljani	Bitala to Alipurduar	Irrigation is provided at 1000 ha of area in Kalchini block through 2

		minor surface irrigation schemes on streams out falling into Kaljani river.
Karola	Jalpaiguri to ThakurerKamat	A command area of 24385 ha in Rajganj block is irrigated through the canal system of Teesta Barrage Project.
Mayurakshi	Suri to Durgapur	A command area of 1196 ha in Suri-I block is irrigated through the canal system of Mayurakshi Reservoir Project.
Rupnarayan	Kolaghat to Benapur	Areas of different blocks are irrigated from tidal water through the sluice and canals belonging to I& W Department like in Amta-II (4807 ha), SahidMatangini (3765 ha), Bagnan-I (2024 ha), Bagnan-II (1518 ha) and Shyampur-I & II (8805 ha).
Teesta	Siliguri to Paharpur	Command areas of 24385 ha in Rajganj block, 5080 ha in Mal block, 400 ha in Maynaguri block and 14760 ha in JalpaiguriSadar block are irrigated through the canal system of Teesta Barrage Project.

X. Rain Water Harvesting:

River	Roof Top Rainwater Harvesting and Reuse and / or Artificial Recharge to Groundwater
Damodar	1 in Kanksa Block is in progress.
Barakar	
Ganga	1) Barrackpur-II Block- 2 (2 completed) 2) KMC- 10 (existing) & 3 (3 completed in 2020-2021) 3) Diamond Harbour-I Block- 1 (existing) 4) Diamond Harbour-II Block- 1 (existing)
Churni	Hanskhali- 5 (existing)

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

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

River	Demarcation of flood plain, removal of illegal encroachments from embankments and protection and management of flood
Vidyadhari	There is no illegal encroachment on the river embankments. Total 2.60 km bank protection works amounting Rs.14.40 Crore will be taken up at right bank of river Vidhyadhari during 2020-21.
Mahananda	There is no embankment on either side of the river in this stretch. Bank protection works are taken up as and when required to protect the adjoining areas. 1.40 km bank protection work amounting Rs. 3.58 Crore is already completed by which 18900 people under 112 Ha areas may be benefitted. 3.00 km bank protection work amounting Rs.7.64 Crore will be taken up during 2020-21, by which 32000 people under 465 Ha areas may be benefitted.
Churni	There is no embankment on either side of the river in this stretch. Bank protection works are taken up as and when required to protect the adjoining areas. 0.5 km bank protection work of Rs. 1.88 Crore will be taken up during 2020-21, by which 2000 people in 98 Ha of areas may be benefitted.
Dwarka	There is no embankment on either side of the river in this stretch. For this stretch, Bank protection works are being taken by Tarapith-Rampurhat Development Authority (TRDA).

Ganga	There is no illegal encroachment on the river embankments. In left bank, 0.135 km bank protection work of Rs. 2.61 Crore is under running and 1.045 km bank protection work of Rs. 11.17 Crore will be taken during 2020-21. In right bank, 0.900 km bank protection work of Rs. 6.21 Crore will be executed during 2020-21.
Damodar	There is no embankment on either side of the river in this stretch. Bank protection works are taken up as and when required to protect the adjoining areas. At present there is no such requirement of taking up anti erosion work in this stretch of river.
Jalangi	There is no embankment on either side of the river in this stretch. Bank protection works are taken up as and when required to protect the adjoining areas. 1.05 km bank protection work of Rs. 3.15 Crore is under progress, by which 3500 people under 205 Ha areas may be benefitted.
Kansi	There is no illegal encroachment on the river embankments. 1.5 km bank protection work of Rs. 3.62 Crore is already completed by which 13800 people under 700Ha areas may be benefitted.
Mathabhang a	There is no embankment on either side of the river in this stretch. Bank protection works are taken up as and when required to protect the adjoining areas. At present, there is no such vulnerable zone noticed in this stretch. However, protection work will be taken up as & when required.
Barakar	There is no embankment on either side of the river in this stretch. Bank protection works are taken up as and when required to protect the adjoining areas. At present, there is no such vulnerable zone noticed in this stretch. However, protection work will be taken up as & when required.
Dwarekeswa r	There is no embankment on either side of the river in this stretch. Bank protection works are taken up as and when required to protect the adjoining areas. A bank protection work of length 300 m of amounting Rs. 0.87 crore is already executed in 2020-21 by which 790 people under 1.67 Ha area will be benefitted.
Kaljani	There is no illegal encroachment on the river embankments. 2.92 km bank protection work of Rs. 4.49 Crore is already completed by which 5900 people under 96 Ha areas may be benefitted. Further, 1.01 km bank protection work of Rs. 1.52 Crore will be taken during 2020-21, by which 3000 people under 74 Ha areas may be benefitted.
River	Demarcation of flood plain, removal of illegal encroachments from embankments and protection and management of flood
Karola	There is no illegal encroachment on the river embankments. 2.03 km bank protection work of Rs. 3.78 Crore is already completed by which 9000 people under 102 Ha areas may be benefitted.
Mayurakshi	There is no illegal encroachment on the river embankments. No such work envisaged for this stretch of river Mayurakhshi. There is no such vulnerable zone noticed in both sides of the river stretch. So at present no future plan is there for execution of protection work.
Rupnarayan	The Department has taken appropriate measure to remove illegal encroachment on the river embankments. A 1.132 km bank protection work of Rs. 3.68 Crore is already completed, by which 4600 people under 158 Ha areas may be benefitted. Further, 4.50 km bank protection work of Rs. 12.96 Crore is also completed during 2020-21.
Teesta	There is no illegal encroachment on the river embankments. 10.61 km bank protection work of Rs. 31.41 Crore is under running, by which 42000 people under 1580 Ha areas may be benefitted.

XII. Maintaining minimum e-flow of river:

Rive r	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.

**Water Quality of Polluted River Stretches of 17 rivers in West Bengal
during August 2022**

[Priority changed based on Polluted River Stretches for Restoration of Water Quality-2022
(Draft), published by CPCB]

Prio rity	River	Stations	BOD (mg/l)	DO (mg/l)	Fecal Coliform (MPN/ 100ml)	Fecal Streptoc occi (MPN/ 100ml)	pH
I	Mahananda	Siliguri (Upstream)	0.90	6.4	13000	110	7.10
	Mahananda	Ramghat (Downstream)	6.00	4.1	140000	540	7.18
II	Vidyadhari	Haroa Bridge (Upstream)	9.75	0.7	46000	330	7.23
	Vidyadhari	Malancha (Downstream)	10.28	0.8	33000	330	7.45
II	Churni	Downstream of Ranaghat Town	6.00	1.6	49000	790	7.76
	Churni	Majhdia	7.20	1.7	79000	540	7.69
III	Mathabhang a	Gobindapur	7.67	1.1	220000	3500	7.70
IV	Ganga	Farakka	1.10	6.1	4900	230	7.91
	Ganga	Baharampore	3.00	6.6	130000	5400	7.84
	Ganga	Gorabazar	2.90	6.7	13000	1300	7.85
	Ganga	Khagra	1.70	7.0	24000	790	7.88
	Ganga	Nabadwip	2.70	6.4	130000	2400	7.89
	Ganga	Tribeni	2.50	5.4	7900	490	8.06
	Ganga	Palta	2.00	5.1	79000	1300	7.88
	Ganga	Palta Shitalatala	3.90	5.0	240000	3500	7.76
	Ganga	Serampore	1.20	5.0	11000	330	7.90
	Ganga	Dakshineswar	3.10	5.6	49000	460	6.81
	Ganga	Garden Reach	3.00	5.4	49000	490	7.03
	Ganga	Howrah-Shibpur	2.45	5.3	33000	230	7.02
	Ganga	Uluberia	2.55	5.2	21000	130	7.44
	Ganga	Durgachak near Pathikhali	0.95	5.5	14000	460	7.72
	Ganga	Diamond Harbour	2.50	5.3	3500	70	7.23
IV	Kansi	Downstream at Midnapore	1.70	5.7	2200	93	7.46
IV	Jalangi	Downstream of Krishnanagar	4.42	1.0	24000	350	7.74
V	Damodar	Dishergarh Village	2.20	7.9	2400	21	8.10
	Damodar	Downstream of IISCO near Dhenna Village	2.45	7.6	2200	17	7.64
	Damodar	Narainpur	2.35	7.6	1700	17	7.96
	Damodar	Near Mujher Mana Village	3.35	7.0	4700	33	7.81
	Damodar	Andal Upstream	2.95	7.2	2100	26	6.90
	Damodar	Andal Downstream	2.85	7.5	2600	26	7.55
	Damodar	Asansol Upstream	1.90	7.8	2600	26	8.14
	Damodar	Durgapur Upstream	2.95	7.6	3200	20	8.21
V	Damodar	Raniganj Downstream	3.05	7.3	1400	17	8.27
	Damodar	Water Intake Point for Burdwan Town	2.60	7.8	2200	21	7.53
	Dwarka	Upstream of Tarapith at Sadhak Bamdeb Ghat	2.75	7.1	4000	32	7.65

**Water Quality of Polluted River Stretches of 17 rivers in West Bengal
during August 2022**

[Priority changed based on Polluted River Stretches for Restoration of Water Quality-2022
(Draft), published by CPCB]

Prio rity	River	Stations	BOD (mg/l)	DO (mg/l)	Fecal Coliform (MPN/ 100ml)	Fecal Streptoc occi (MPN/ 100ml)	pH
	Dwarka	Downstream of Tarapith, Satighat	3.20	6.8	4700	26	7.30
V	Barakar	Asansol	2.00	7.8	3200	20	7.89
V	Rupnarayan	Geonkhali	1.05	5.5	3400	210	8.47
	Rupnarayan	Kolaghat (Downstream)	2.90	5.3	3300	170	7.36
V	Dwarkeswar	Bankura Town	2.65	7.5	2100	26	7.56
V	Teesta	At Jalpesh	0.60	7.0	5000	21	7.40
	Teesta	At Sevoke	1.20	8.3	2300	70	7.08
Primary Water Quality Criteria for bathing water			≤ 3	≥ 5	< 2500	< 500	6.5- 8.5

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

Prior ity	River	Stations	BOD (mg/l)	DO (mg/l)	Fecal Coliform (MPN/ 100ml)	Fecal Streptoc occi (MPN/ 100ml)	pH
Delis ted	Silabati	Ghatal (Downstream)	2.25	5.8	5800	250	7.31
	Mayurakshi	Suri Town	1.65	7.7	3900	26	7.90
	Kaljani	Downstream of Alipurduar	1.80	6.5	8000	110	7.36
	Karola	Downstream of Jalpaiguri	1.50	6.4	8000	170	6.93
Primary Water Quality Criteria for bathing water			≤ 3	≥ 5	< 2500	< 500	6.5- 8.5

Monitoring and Supervision of Pollution Abatement Measures taken in the polluted river stretches



WEST BENGAL POLLUTION CONTROL BOARD

(Department of Environment, Government of West Bengal)

Paribesh Bhawan

Bldg. No. 10A, Block - LA, Sector - III, Bidhannagar, Kolkata - 700 106

Tel. 2335-9088 / 5075 / 5079 / 8861 / 7428 / 8211

Fax: (0091) (033) 2335-2813 / 5073 / 5272

Website: www.wbpcb.gov.in

Comparison of Polluted River Stretches in West Bengal during 2018 & 2022

Sl.	River	2018		2022	
		BOD range (mg/l)	Priority	Max. BOD (mg/l)	Priority
1.	Vidyadhari	26.7 - 45.0	I	29.6	II
2.	Mahananda	6.5 - 25	II	31.0	I
3.	Churni	10.3 - 11.3	III	20.8	II
4.	Dwarka	5.6 - 17.0	III	5.7	V
5.	Ganga	5.0 - 12.2	III	8.0	IV
6.	Damodar	4.4 - 8.2	IV	5.2	V
7.	Jalangi	8.3	IV	6.2	IV
8.	Kansi	9.9	IV	6.3	IV
9.	Mathabhanga	8.5	IV	15.3	III
10.	Barakar	5.7	V	3.1	V
11.	Dwarakeshwar	1 - 5.6	V	3.8	V
12.	Rupnarayan	3.1 - 5.8	V	3.7	V
13.	Teesta	3.3	V	3.8	V
14.	Kaljani	6.0	V	Excluded	
15.	Karola	3.9	V		
16.	Mayurakshi	5.2	V		
17.	Silabati	3.8	V		

Priority - I : Monitoring locations exceeding BOD concentration 30.0 mg/ L

Priority - II : Monitoring locations having BOD between 20.0 - 30.0 mg/ L

Priority - III : Monitoring locations having BOD between 10.0 - 20.0 mg/ L

Priority - IV : Monitoring locations having BOD between 6.0 - 10.0 mg/ L

Priority - V : Monitoring locations having BOD between 3.0 - 6.0 mg/ L

Ref: Polluted River Stretches For Restoration Of Water Quality-2022 (Draft) published by Central Pollution Control Board

- Please refer the table and the data published by CPCB. It may be kindly noted that, due to the continuous monitoring and supervision work, West Bengal has been successful in de-listing 04 polluted river stretches namely Kaljani, Karola, Mayurakshi and Silabati. The State is now having 13 polluted river stretches. With sustained effort, the State has also been successful in improving the water quality of the rivers- Vidyadhari, Dwarka, Ganga and Damodar. Their categories accordingly have been modified by CPCB considering their improved BOD level in the water.
- 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 which are given below.

1. Annexure-B, MOM-14th RRC Meeting
2. Annexure-C-MOM dt 21/06 2022 on progress of liquid waste management, Review Meeting by Hon'ble Chief Secretary.
3. Annexure-D, MOM held on 29.07.2022.
4. Review Meeting of Hon'ble Principal Secretary on 29.08.2022.
5. Review Meeting of Hon'ble Chief Secretary on 30.08.2022.

Some of the important work done is listed below:

✓ **Tolly Nullah**

KMC has submitted a revised DPR after incorporating the observations of NMCG with a request of funding it from NG-2. Third party visit has been completed. KMC is modifying the DPR as per observations given by the third party. The DPR is divided into two tranches. It is expected that the DPR for the first tranche to be submitted by 19th September 2022.

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 2km 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, Kudghat bazar
 - Ward no. 115, near karunamoyee Temple, kudghat
 - Ward no. 82, near Chetla Bridge
 - Ward no. 73, Balaram Bose Ghat
- ❖ KMC has carried out Awareness Campaigns on Regular basis. It has placed the Banner in Bengali language across the major Ghats of Tolly's Nullah (Adi-Ganga) to make the people aware.
- ❖ KMC has carried out urgent re excavation/dredging at most polluted stretch of the upstream of Tolly's Nullah (Adi-Ganga) i.e. nearly 4.6 km, amounting to an expenditure of approximately Rs. 1.3 crores.
- ❖ It has engaged one Consultant for preparation of DPR for "Detail Survey for Dredging and to ascertain proposed beautification of Tolly's Nullah (Adi Ganga) of length about 15.5 km and preparation of DPR". The work order for which has been issued on 08/02/2021 and the Report is expected to be

submitted soon.

- ❖ It has already prepared estimate for Dredging of Tolly's Nullah (Adi-Ganga) from confluence point of Ganga to Chetla Bridge, amounting to Rs11.16 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.



✓ **Updated Status of Rehabilitation of Keorapukur & Garden Reach STP:**

- The DPR of Garden Reach STP Project has been approved by NMCG with an approximate cost of Rs. 289.02 cr. AAFS has been issued. Bid document is getting prepared.
- For Keorapukur STP Project, the DPR has been submitted, 3rd Party visit is also complete, the DPR will be placed in the forthcoming EC meeting scheduled to be held on 28th September 2022 for consideration of approval with the projected cost of Rs. 66 crores.
- Sanction has also been received for over-hauling and construction of Pen Stock Gates in the belegghata circular canal with an approximate cost of Rs. 4 crores. Tender documents are under preparation, this Project after implementation will reduce the pollution in river Ganga further by improving water quality of Belegghata circular canal which is discharging into river Ganga.

✓ **Faecal Sludge and Septage Management:**

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 : - 30 KLD (Commissioned)

Construction area : - 0.562 Acre

Area served : - 13.54 KM²

No of ward served : - 35 Nos

Population served : - 4, 10,524 (2011 Census)

Components:-

1. Construction of 30 KLD Septage Treatment Plant.
 2. Augmentation & Refurbishment of existing Cesspool/Night soil chamber.
 3. Construction of approach road.
 4. Supply of Cesspool.
- This FSTP is fully operational.
 - Another 30KLD Septage treatment plant for North Dum Dum and Baranagar Municipalities is under trial.
 - DPR for construction of FSTPs in Burdwan falling under Ganga basin have been approved by NMCG and the tender document is under preparation.
 - DPR for three more FSTPs – in Bansberia two FSTP with a capacity of 4.5 KLD each and in Uttarpara- 17KLD sent to NMCG for approval.

□ **Integrated Faecal Sludge Management Policy-**

- ✓ Department of UD & MA has framed a policy on Faecal Sludge and Septage Management for the urban areas in the State of West Bengal vide Memo No. 33-UDMA/24011(99)/66/2021 dated 25.05.2022.

As Pilot Projects, two FSTPs will be setup in Kharagpur and Siliguri with the technical guidance of IIT-Kharagpur. The drawing and design is complete. Approval of Finance Department is awaited. It is to be noted that these two FSTPs will be setup in the land reclaimed after bio mining of Legacy Waste in the Dumpsites.

❖ **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 wherein 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 August 2022 is enclosed in **Annexure-A**).

❖ **Information on Ganga Ghats:**

- 643 no of Ganga Ghats have been identified by KMDA, SUDA and respective ULBs.

Accordingly, every effort has been made for cleaning and proper Maintenance of Ghat.

- 100% daily sweeping of all river ghats ensured

Community bins have been placed in all ghats (two in each ghat – green for

- Biodegradable waste and blue for non-biodegradable waste)
- Anti-littering messages have been displayed in each ghat.
- Public Toilets constructed at river ghats.
- Extensive IEC activities undertaken – leaflets, posters, banners have been widely circulated by ULBs and announcements are done frequently.

- A primer on solid waste management namely Borjo Babastha ponar Sahajpath had been published by UD & MA department and widely circulated in Ganga Towns
- Regular inspection by Engineers at different Ganga Ghats has been done to ensure cleanliness and compliance of Hon`ble NGT directions
- Out of 43 Ganga Towns, 40 have been declared ODF already. This has minimized the possibility of Open Defecation near the Ghats.
- NMCG has accorded approval of funding for renovation of Mayapur Prabhupada Ghat for around Rs 15 crores. Tender has already been invited.
- DPR for renovation of Tribeni Ghat amounting around Rs. 6 crores has been sent to NMCG for approval. This Ghat is significant because every year Mini Kumbh is being held here.

❖ **Use of Mobile App.**

* WBPCB has developed a mobile app – ‘Paribesh’ which gives real-time water quality data of the polluted river stretches in WB, which is now being widely used and corrective measures are being taken accordingly.

* NMCG has developed Ganga Tarang App for capturing the data of Ganga STP. The data of 7 STP have already been entered into the portal.

Special Mentions

1. AA&ES of Rs 4.2 crores for Electric crematorium at Kalyani Municipality has been issued which is inclusive of electric crematorium, waiting hall and toilets. Work Order has already been issued and work is under process.
2. A detailed Report on Solid Waste Management, Installation of Screens and ODF Status from SUDA is annexed. (Pls refer Annexure-III).

List of Annexure

Annexure-I: Progress Report P&RD

Annexure-II: Report on Solid Waste Management from SUDA

Annexure-III: EKW KMC DWF-KOLKATA

Annexure-A: Compulsory site visit report of GAP Sector KMDA for the month of July 2022

Annexure-B: MOM-14th RRC Meeting

Annexure-C: MOM dt 21 06 2022 on progress of liquid waste management review done by Hon'ble Chief Secretary

Annexure-D: MOM held on 29.07.2022.

Annexure-E: Progress Report-Forest Department

Status report on Solid Waste Management in 69 NGT model GPs (also LWM)

(as on 31.07.2022)

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	53
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	537
11		Total no. of household covered by SWM	1,09,659
12		No. of GP for which DPR has been prepared	69
13		No. of GP for which DPR has been approved by SLSSC	49
14		No. of household where composting is done at household level	13,279
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	48,027
20		No. of households wherefrom solid waste is collected	59,391
21		Quantity of biodegradable waste collected (Kg/ day) in July'22	28,080.00
22		Quantity of non-biodegradable waste collected (Kg/ week) in July'22	50,409.80
23		Quantity of compost produced (Kg/month) in July'22	52,008.40
24		Quantity of compost marketed (in Kg/ month) in July'22	28,255.00
25		Quantity of recyclable items sold (in Kg/ month) in July'22	5,667.00
26		Total revenue earned (per month) (Rs. in Lakh) in July'22	10.35
27		No. of GPs where use of plastic (< 50 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	Financial	Total no. of saplings planted in last 2 years	3,50,227
39		Total fund expenditure under SBMG (Phase I) (Rs. in Lakh)	781.62
40		Total fund expenditure under SBMG (Phase II) (Rs. in Lakh)	20.00
41		Total 15 th FC fund expenditure (Rs. in Lakh)	130.21
42		Total MGNREGS fund expenditure (Rs. in Lakh)	128.84
43		Total WBIG fund expenditure (Rs. in Lakh)	196.50
44		Total own fund expenditure (Rs. in Lakh)	14.11
45		Total expenditure from other sources (Rs. in Lakh)	34.99

Status report on Solid Waste Management in 224 Ganga bordering GPs (also LWM)

Sl. No.		Item	July,22
1.	General Profile	No. & Name of Districts involved	7
2		No. of Blocks involved	46
3		No. of GPs involved	224
4		No. of Sansad involved	3539
5		No. of total household of Gram Panchayats	1106242
6	Progress of SWM	No. of GPs where IEC done	140
7		No. & Name of Districts where SWM activity undertaken	7
8		No. of Blocks where SWM activity undertaken	46
9		No. of GPs where SWM activity undertaken	140
10		No. of Sansad where SWM activity undertaken	454
11		Total no. of household covered by SWM	103763
12		No. of GP for which DPR has been prepared	76
13		No. of GP for which DPR has been approved by SLSSC	58
14		No. of household where composting is done at household level	4005
15		No. of GP wherein land has been identified for CPU	64
16		No. of GP wherein CPU is under construction	1
17		No. of GP wherein construction of CPU is completed	35
18		No. of GP where CPU is functional	22
19		No. of household where segregation is done	15994
20		No. of households wherefrom solid waste is collected	23196
21		Quantity of biodegradable waste collected (Kg/ day) in July, 22	2833.60
22		Quantity of non-biodegradable waste collected (Kg/ week) in July'22	6821
23		Quantity of compost produced (Kg/month) in July'22	13229.95
24		Quantity of compost marketed (in Kg/ month) in July22	8658
25		Quantity of recyclable items sold (in Kg/ month) in July' 22	678
26		Total revenue earned (per month) (Rs. in Lakh) in July' 22	1.43230
27		No. of GPs where use of plastic (< 50 micron) banned	113
28		No. of GPs where networking of vendors for recyclable wastes done	4
29		No. of PWMU established	0
30	Progress of LWM	Total no. of private tube well	2,25945
31		Total no. of private tube well with platform	1,45,865
32		Total no. of private tube well with soakpit	92,052
33		Total no. of public tube well	28,015
34		Total no. of public tube well with platform	20,933
35		Total no. of public tube well with soakpit	16,356
36		Total no. of ponds where duckweed cultivation is done	459
37		Total no. of beautification project undertaken	96
38		Total no. of saplings planted in last 2 years	22,13,225
39		Total fund expenditure under SBMG (Phase I) (Rs. in Lakh)	422.66
40		Total fund expenditure under SBMG (Phase II) (Rs. in Lakh)	0.00
41		Total 15th FC fund expenditure (Rs. in Lakh)	219.47
42		Total MGNREGS fund expenditure (Rs. in Lakh)	83.38
43		Total WBIG fund expenditure (Rs. in Lakh)	30
44		Total own fund expenditure (Rs. in Lakh)	7.88
45		Total expenditure from other sources (Rs. in Lakh)	6.00

Monthly report of 17 polluted river adjoining Gram Panchayats

Sl. No.		Item	July,22
1.	General Profile	No. & Name of Districts involved	12
2		No. of Blocks involved	62
3		No. of GPs involved	221
4		No. of Sansad involved	3630
5		No. of total household of Gram Panchayats	980833
6	Progress of SWM	No. of GPs where IEC done	202
7		No. & Name of Districts where SWM activity undertaken	12
8		No. of Blocks where SWM activity undertaken	61
9		No. of GPs where SWM activity undertaken	202
10		No. of Sansad where SWM activity undertaken	288
11		No. of GP for which DPR has been prepared	80
12		No. of GP for which DPR has been approved by SLSC	24
13		No. of household where composting is done at household level	3616
14		No. of GP wherein land has been identified for CPU	89
15		No. of GP wherein CPU is under construction	5
16		No. of GP wherein construction of CPU is completed	16
17		No. of GP where CPU is functional	11
18		No. of household where segregation is done	12968
19		No. of households wherefrom solid waste is collected	8567
20		Quantity of biodegradable waste collected (Kg/ day)in the July,2022	2672
21		Quantity of non-biodegradable waste collected (Kg/ week) in the July,2022	8598
22		Quantity of compost produced (Kg/month) in the July,2022	13621
23		Quantity of compost marketed (in Kg/ month) in the July,2022	6562
24		Quantity of recyclable items sold (in Kg/ month) in the July,2022	690
25		Total revenue earned in the July,2022	Rs.71300
26		Total no. of household covered by SWM	76348
27		No. of GPs where use of plastic (< 50 micron) banned	190
28		No. of GPs where networking of vendors for recyclable wastes done	3
29		No. of PWMU established	0
30	Progress of LWM	Total no. of private tube well	198169
31		Total no. of private tube well with platform	120798
32		Total no. of private tube well with soakpit	73198
33		Total no. of public tube well	373
34		Total no. of public tube well with platform	27905
35		Total no. of public tube well with soakpit	15344
36		Total no. of ponds where duckweed cultivation is done	832
37		Total no. of beautification project undertaken	112
38		Total no. of saplings planted in last 2 years	1079026
39		Total fund expenditure under SBMG (Phase I)	306.85
40		Total fund expenditure under SBMG (Phase II)	0
41		Total 15 th FC fund expenditure	88.16
42		Total MGNREGS fund expenditure	46.72
43		Total WBIG fund expenditure	40
44		Total own fund expenditure	16.00
45		Total expenditure from other sources	0

Solid Waste Management

Fresh Waste Management:

- ✓ Total number of Urban Local Bodies: 125 (2927 wards)
- ✓ Current Municipal Solid Waste Generation: 13469.19 TPD
- ✓ Segregation of waste at source: in 1844 Wards (62.99%), 5994.98 TPD (44.51%)
- ✓ Collection & Transportation of Waste: in 2922 wards (99.83%), 13372.32 TPD (99.28%)
- ✓ Remaining segregation of waste at source will be achieved within one year

Actions taken by ULBs for ensuring segregation of waste at source followed by primary, secondary transportation and allied activities :

- ❖ Special Drive launched by each ULB for covering all wards in a phase manner
- ❖ District wise orientation programme organized for all the stakeholders with Resource Persons and Experts deputed from the State.
- ❖ ULBs have grounded the activities covering the following issues :
 - ✓ House to House Survey for preparing Route Map. All households in a ward have been visited and listed. Findings recorded in a house tracking register.
 - ✓ Extensive IEC activities including putting up of Kitchen Sticker (with a pictorial description of bio degradable and non bio degradable waste) in every Kitchen and distribution of two coloured Bins for collection of dry and wet waste separately
 - ✓ Identified Strategic Location for putting up of Hoardings, Banners & display of Poster display and also for placement of Community Bins at required locations
 - ✓ Comprehensive capacity building sessions were organized with all stakeholders including elected representatives, all different category of staff at ULBs, stakeholders in other Departments and reach out to all citizens of every ward.
 - ✓ Ward wise assessment of manpower to be deployed as Facilitators and Conservancy Workers have been assessed. 52,837 Conservancy Workers as 'Nirmal Bandhus' and 3140 Facilitators from members of SHGs as 'Nirmal Sathis' have been engaged and their wages are charge out of the West Bengal Urban Employment Generation Scheme.
 - ✓ Procurement of vehicles for Primary and Secondary transportation including fabrication of existing vehicles for segregated collection of Municipal Fresh Waste.

Actions taken by ULBs for fresh waste processing

- ❖ Fresh waste is being processed at 4 ULBs
- ❖ Agencies have been engaged through e-tendering for processing of municipal fresh waste at 74 ULBs where generation of waste is more than 30 TPD.
- ❖ 47 ULBs generating below 30 TPD of fresh waste is being processed through Self Help Groups.
- ❖ Meanwhile, low cost Interim Composite Processing Units have been setup by 45 ULBs till date and work at another 10 ULBs are in progress and will be completed by the end of December, 2022.
- ❖ All the interim CPUs are fully managed by the members of Self Help Groups only.

Bio-methanation plant :

- ✓ Bio-methanation plant has been planned/ in operation at:
 - Kolkata MC (Dhapa) : Already 5 TPD plant installed
 - Promodnagar : 100TPD
 - Rajpur Sonarpur: 1 TPD in operation
 - Jaynagar-Mazilpur : 1 TPD in operation

Waste to energy plant :

- ✓ As calorific value of legacy waste is relatively low to generate energy our main stress will be to utilise fresh dry waste.
- ✓ Approximately 1645 TPD of Plastic Waste is being generated in the ULBs.
- ✓ As disposal of these items became a major concern of State Government, setting up of Waste to Energy plant has been planned in following areas:
 - Kolkata MC (Dhapa)
 - Siliguri MC
 - Hooghly (Baidyabati)
 - Bankura (Bankura)

- ✓ District Magistrates have been requested to identify the land.
- ✓ Approximately 8-10 acre of land required for a 500 TPD plant.
- ✓ Engaged with Power Department to workout the Power Purchase Agreement (PPA)

Refuse Derive Fuel (RDF) :

- ✓ 2.12 lakh MT RDF is still lying in 24 legacy waste dump sites.
- ✓ Principal consumers are the Integrated Cement Plant as co-processing industry.
- ✓ There is no Integrated Cement Plant in the State.
- ✓ Nearest location is Dalmia Cement Plant of Rajgangpur, Odisha (480 KM from Kolkata).
- ✓ Transportation by Rail initiated. There is an issue of 1000 odd MT of dead freight (59 Wagons with 3800 + MT capacity is actually loaded with approximately 2800 MT of RDF).
- ✓ WBPCB has engaged with Durgapur Steel Plant (DSP) for using the RDF as boiler fuel
- ✓ PWD plans to use RDF as a road making material after the SUP is cleaned, shredded and tested for density and melting point

Legacy Waste Management

- ✓ No. of Legacy waste dump sites: 123
- ✓ No. of sites covered through Biomining: 90 dumpsites of 78 ULBs.
- ✓ Total area of dumpsites: 838.09 acre
- ✓ Land reclaimed till date: 132.34 acre (15.79%)
- ✓ Up to 50% land will be recovered within March, 2023.
- ✓ Rest 50% of the land is expected to be reclaimed within June, 2024.

Comparative Status

Sl. No.	Particulars	Report as on Dec, 2020	Report as on June, 2021	Report as on August, 2022
1	Quantity of MSW generated (TPD)	13709	13709	13469.19
2	Quantity of MSW collected (TPD)	7051 (51.43 %)	13356 (97.4%)	13372.32 (99.3%)
3	Wards in which MSW is being segregated & transported	371 (12.68%)	976(33.34%)	1844 (62.99%)
4	Quantity of MSW segregated & transported (TPD)	2581 (18.83%)	4308 (31.4%)	5994.98 (44.5%)
5	No. of dumpsites cleared	0	5	6
6	No. of dumpsites in which biomining commenced	42	64	84

Plastic Waste management

- ✓ State Government has issued notification for banning of manufacturing, storage and use of plastic carry bag below 75 micron and 31st December onwards below 120 microns.
- ✓ State Government has issued notification for banning of manufacturing, storage and use of Single Use Plastic Items & Thermocol.
- ✓ Provision for imposition of fines have been introduced. Since 1st July total 1228 show cause notices have been issued against defaulters and a total of Rs.10,13,931/- has been realised so far as penalty

Construction and Demolition (C&D) Waste management

- ❖ C&D Waste Management Policy for Urban Areas of West Bengal has been published by State Government
- ❖ One 500 TPD C&D waste recycling plant is under construction at Patharghata for Kolkata Municipal Corporation
- ❖ Planning for installation of C&D waste recycling plant at Asansol, Howrah, Durgapur and Siliguri are in progress.

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.

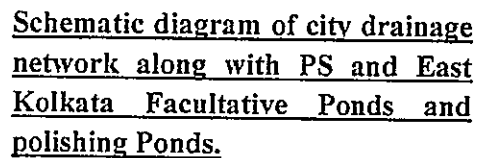
Average discharge from these pumping stations during lean period measured are as follows:

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

7/09/21
9/2/21
EE-1/570(S).
09/02/21
09.02.21
DY. CE(E) / AcEq.

[Signature]
09/02/21
Director General
Sewerage & Drainage

KOLKATA



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WAL 09/02/21
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05/02/21
Director General
Department of Agriculture

Site Inspection Report.Month- July 2022

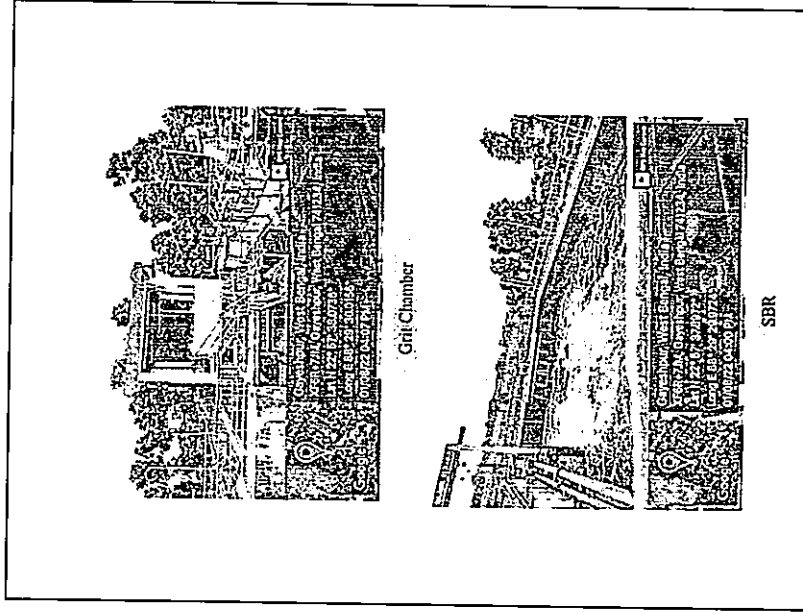
NAME OF THE EXECUTING AGENCY- GAP WING/W&S SECTOR, KMDA
Physical progress of the operational STPs.

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	26.93	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 no. of household-80,000 Covered under old GAP connection-21000 To be covered in this phase-22400, executed till date-14110 pending-8290 Rest will be covered under GAP Ph-II, which is under process	NIL
2	Kalyani	Kalyani	21.00	Influent -19.73 (avg) Effluent-18.21 (AVG)		Not install till now	Balance house connections (8,000 Nos.) are situated peripheral regions (added zone) of the Kalyani Municipality for which new sewer network is required and preparation of a new DPR under process for that. Technical Bid of 2nd	NIL

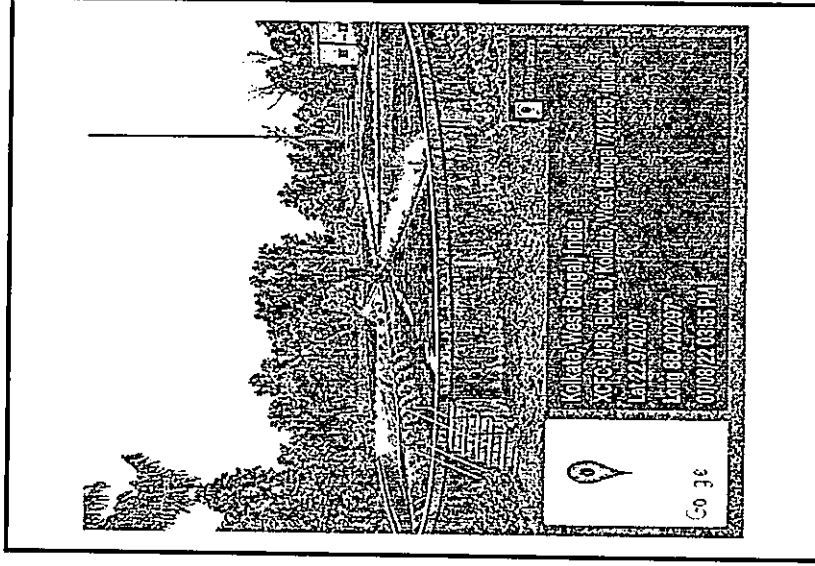
Sl. No.	Location	ULB Jurisdiction	Capacity in MLD	Actual utilization at present	Reasons for underutilization if any	Status of installation of OCEMs	Status of House Connection (if any)	Incremental progress over the last visit
							call for preparing DPR is to be opened 05.01.2022. Work order will be issued shortly.	
3	Gayeshpur	Gayeshpur	8.33	Influent: 3.10 MLD (37.20%) Effluent: 3.06 MLD (38.77%)	Inadequate house connection		Due to pending work of house connection 10466 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	STP is running smoothly and effluent quality as per CPCB norms. Sewage has been increased compared to previous month viz Jan 2022 2.74
4	Budge Budge	Budge Budge	9.3	4.5	Only for available drain connection	Not install till now	Technical and financial evaluation is completed for 6 nos tenders under 3rd call & awaiting for approval from the competent authority and 6 Nos Tender's w/d issued.	HDD work :30 m has been done
5	Barrackpore	Barrackpore	24.0	7.00	Sewerage network could not be completed as the Local Municipal authority has barred the Sewerage network at present for the ensuing	Not install till now	Barrackpore Municipality has tendered about 15000 House connections out of 35000. 5800 numbers of house connection works has been executed till 30.06.2022 out of 15000 connections. KMDA had invited 24 nos. ward-wise tender for balance connections. 3rd call Tender was not successful as no bidder participated was less than three. Hence the balance house connection works are forwarded to Barrackpore Municipality. Balance will be finalized soon by the Barrackpore Municipality.	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
					assembly poll and House connection work has also not been completed. Presently sewage from the existing drains are being taken by I & D structures			
6	Halisahar	Halisahar	16.0	3.00	Pending of house connection. Only drain water collected	Not install till now	Due to pending work of house connection Halisahar Municipality is executing the work by engaging agencies through tender. Work is in progress (60.43% Physical Progress in civil work)	Operation & Maintenance work for STP started.

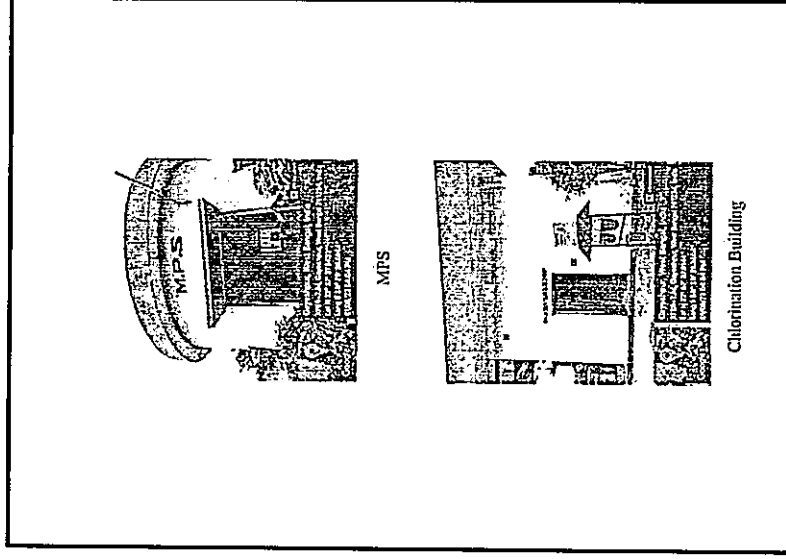
SITE VISIT PHOTOGRAPH OF STP UNDER OPERATION& MAINTENANCE STAGE IN
JULY 2022



GAYESHPUR

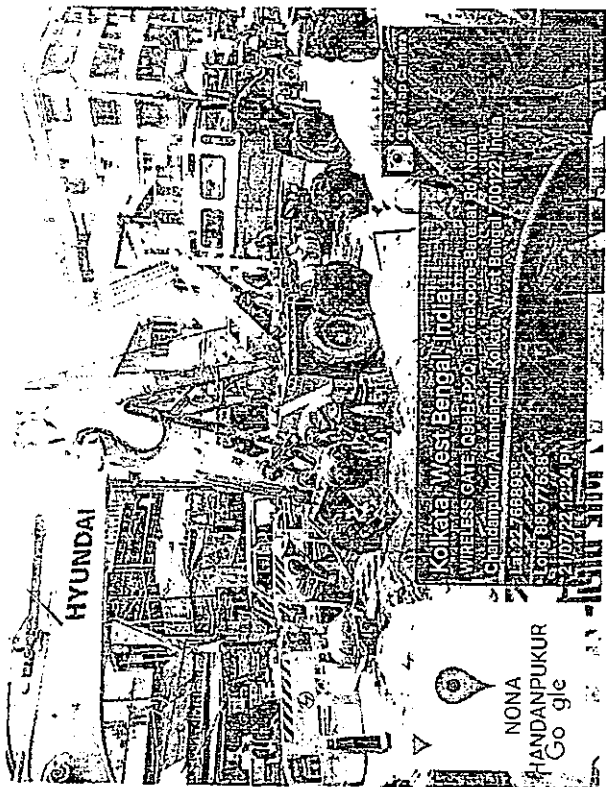


Kalyani

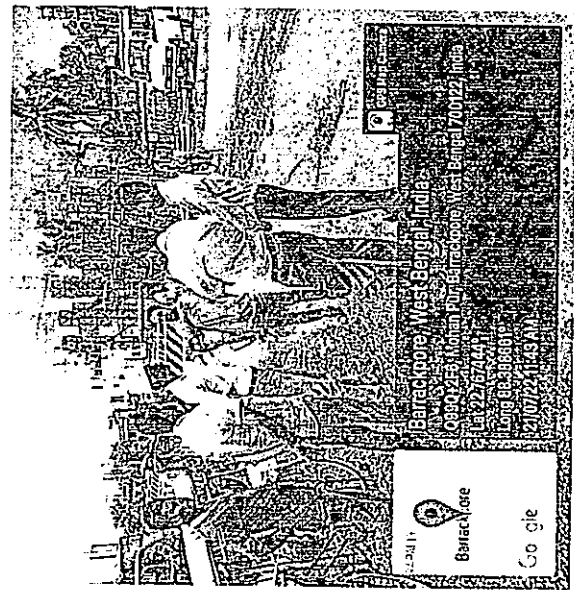


Gayeshpur

SITE VISIT PHOTOGRAPH OF STP UNDER OPERATION/TRIAL & RUN STAGE IN JULY 2022

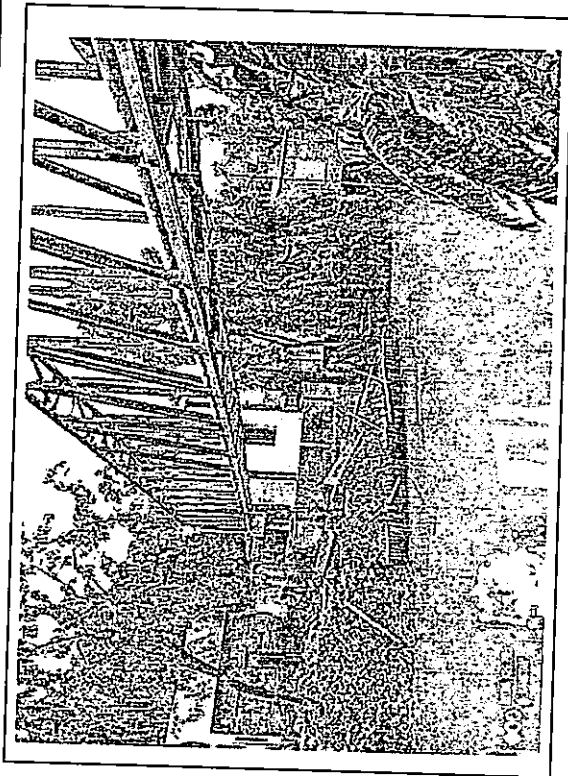


BARRACKPORE STP SITE

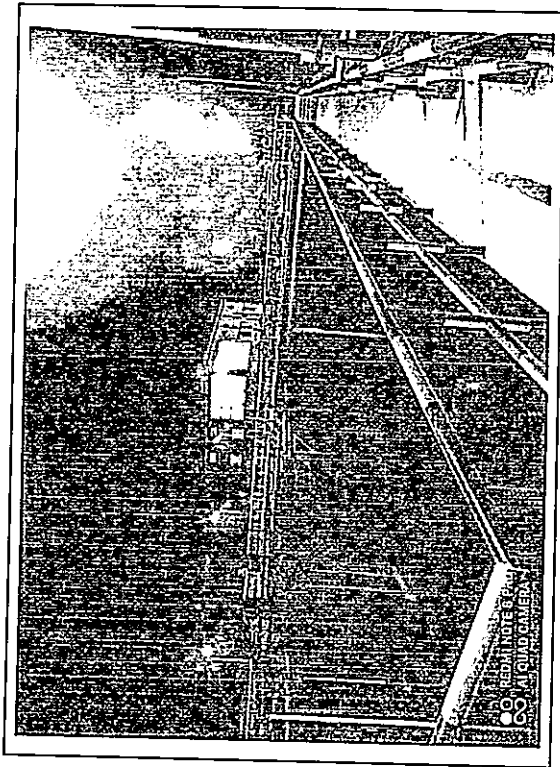


BARRACKPORE STP SITE

SITE VISIT PHOTOGRAPH OF STP UNDER OPERATION/TRIAL & RUN STAGE IN JULY 2022



BUDGE BUDGE



BUDGE BUDGE

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.	Chandpani	Chandpani	1.00	Installed-2009 Non-functional-2018	DPR for Augmentation and up gradation of the STP is under process	Non-functional	Nil
3	Bandipur (Khardah)	Khardah	14.00	Data not available	Work in progress	Non-functional and presently undergoing renovation to make it fully functional. Overall physical progress as on 31.07.2022 : 92% comprising 1.Repairing & renovation of STP- 90%	STP physical progress 25% increase.
4	Garulia	Garulia	7.90	2004 Data not available	Work in progress	Presently it is in trail run stage. Overall Physical Progress as on 31.07.2022 is : 99.9% comprising 1. Commissioning of STP = 100% 2.Repairing & renovation of STP-100% 3.Repairing & renovation of MPS (1 nos) and LS (1 no.)-100% 4. Repairing & Renovation of network- 99% 5.Repairing & renovation of Diversion structure-98%	Trail Run Stage

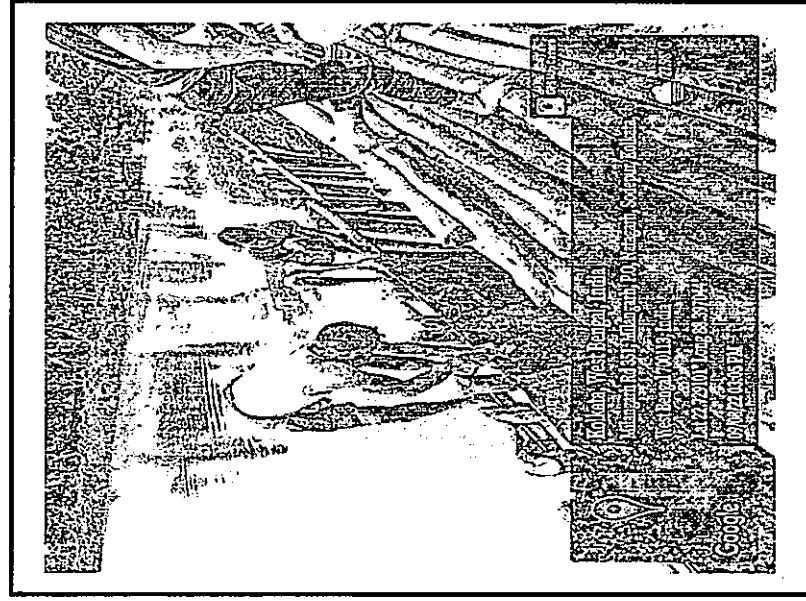
Sl. No	Location	ULB Jurisdiction	Capacity in MLD	Installed in (year) Non functional since (year)	Current initiative towards functionalization, if any	Present Status	Incremental progress over the last visit
5	Naihati	Naihati	6.50	Data not available	Work in progress	Presently it is in trial run stage. Overall physical progress as on 31.07.2022 : 99.00% comprising 1. Commissioning of STP =100% 2. Repairing & renovation of STP-97% 3. Repairing & renovation of MPS (2nos)-99% 4. Repairing & renovation of network-100% 5. Repairing & renovation of Diversion structure-100%	Overall physical progress increase 7%
6	Panihati	Panihati	12.00	1993 Data not available	Work in progress	Presently it is in trial run stage. Overall physical progress as on 31.07.2022 : 80.0% comprising 1. Commissioning of STP =100% Repairing & renovation of STP-98.00% Repairing & renovation of MPS (1nos) and LS (3nos.)-90% Repairing & renovation of network- 29%. Diversion Structure at P.B.Chat -90%.	Overall physical progress increase :2.0%
7	Baidyabati	Baidyabati	6.00	2007 Data not available	LOI issued on 24th MAY, 2021 work order issued on 11.06.2021	TRIAL RUN STARTED	NA

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
8	Bhadreswar	Bhadreswar	7.60	2006 Data not available	LOI issued on 24th MAY, 2021 work order issued on 11.06.2021	TRIAL RUN STARTED	NA
9	Chandannagar	Chandannagar	22.66	1996 Data not available	STP Commissioned	Partially functional and presently undergoing renovation to make it fully functional. Overall physical progress as on 31.07.2022 is 98 % (Civil part) 1.Repairing & renovation of STP- 100 % (Civil part) 2.Repairing & renovation of MPS (1nos) and LS (2no.)-100% (Civil part) 3.Cleaning,Repairing & renovation of network- 98% (Civil part) 4. Repairing and renovation of Oxidation ponds alone with internal drains within S.T.P premises is in progress-100% (Civil part)	Overall physical progress increase : 1%
10	Bansberia	Bansberia	0.30	2009 Data not available	STP Commissioned	Partially functional and presently undergoing renovation to make it fully functional. Overall physical progress as on 29.07.2022 is 100% (CIVIL part) O & M going on since 01.06.2022.	O & M going on since 01.06.2022.

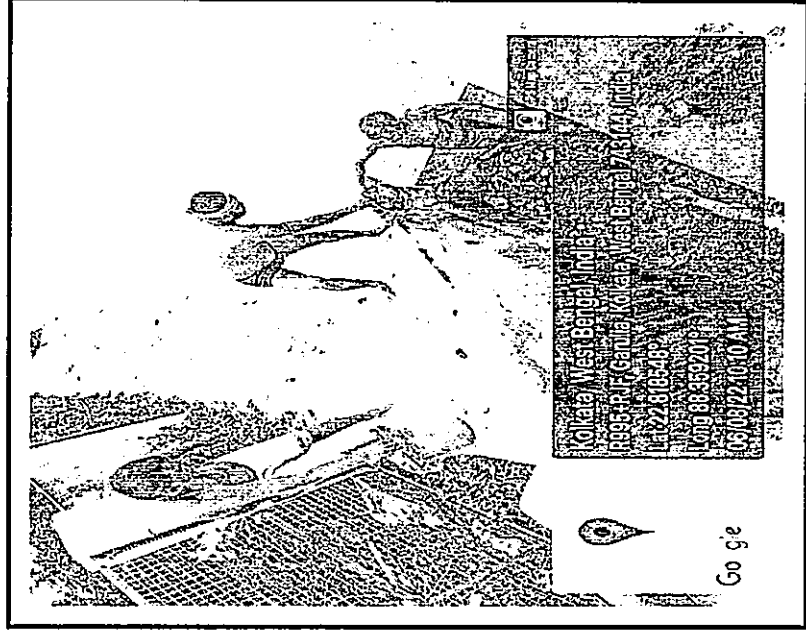
Sl. No	Location	ULB Jurisdiction	Capacity in MLD	Installed in (year) Non functional since (year)	Current initiative towards functionalization, if any	Present Status	Incremental progress over the last visit
11	Uttarpara – Kotrung and Konnagar	Kanaipur Gram Panchayet	22.00	2007 Data not available	Work is in Progress	Overall physical progress(Civil work)as on 31.07.2022: • Repairing & renovation of STP: 95%, • Work pending in STP: a) Inflow & Outflow measurement arrangement. b) Disinfection unit c) Internal road work . d) Pitching work in different part of STP . • Repairing & renovation of LS (4 nos.): -90% • MPS (1 no):- 95% , • Cleaning, Repairing & renovation of network- 34%, • Road restoration work :- 30%	Overall physical progress increase :5%
12	Naihati	Naihati	11.56	2009 Data not available	Work is in Progress	"Partially functional and presently it is in trail run stage. Overall Physical Progress as on 31.07.2022 is: 96.00% 1. Commissioning of STP =100% 2. Allied repairing & renovation of STP- 100.0% 3.Repairing & renovation of MPS (1nos) and LS (1 no.) - 100% 4.Cleaning,Repairing & renovation of network- 90% 5.Repairing & renovation of Diversion structure-75%.	Overall physical progress increase :4%

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
13	Titagarh	Titagarh	9.00	1989 Data not available	Work is in Progress	"Partially functional and presently it is in trail run stage Overall Physical Progress as on 31.07.2022 is :93.00% comprising . 1. Commissioning of STP = 100% 2.Repairing & renovation of MPS (1 nos) and LS (3 no.)- 100% 3.Cleaning,Repairing & renovation of network- 88% 4.Repairing & renovation of Diversion structure- 100%.	Overall physical progress increase : 13%

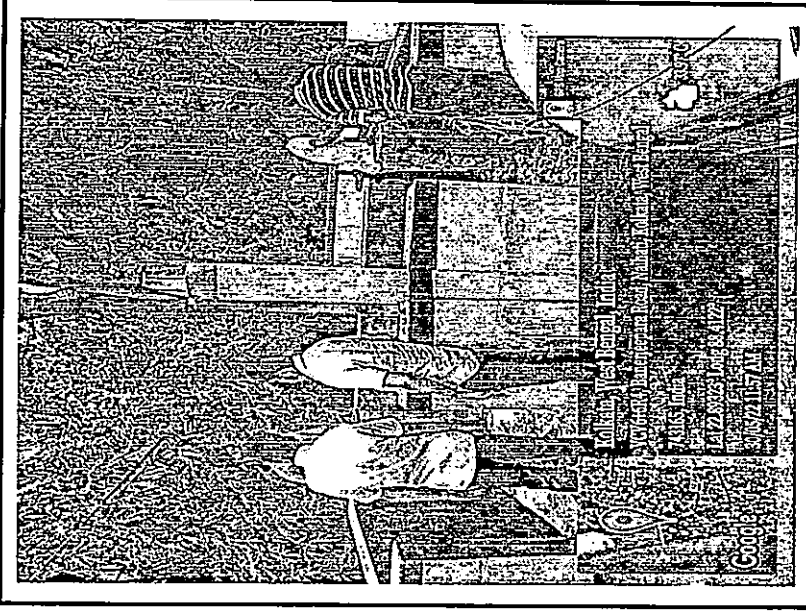
SITE VISIT PHOTOGRAPH OF STPs UNDER NON-OPERATIONAL/ PARTIALLY OPERATIONAL IN July 2022



Bandipur(Khardah)

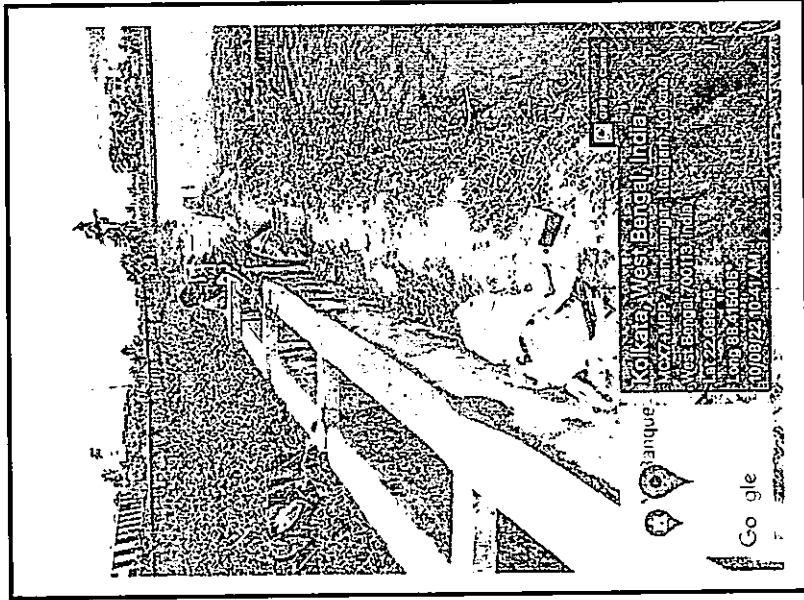


Garulia

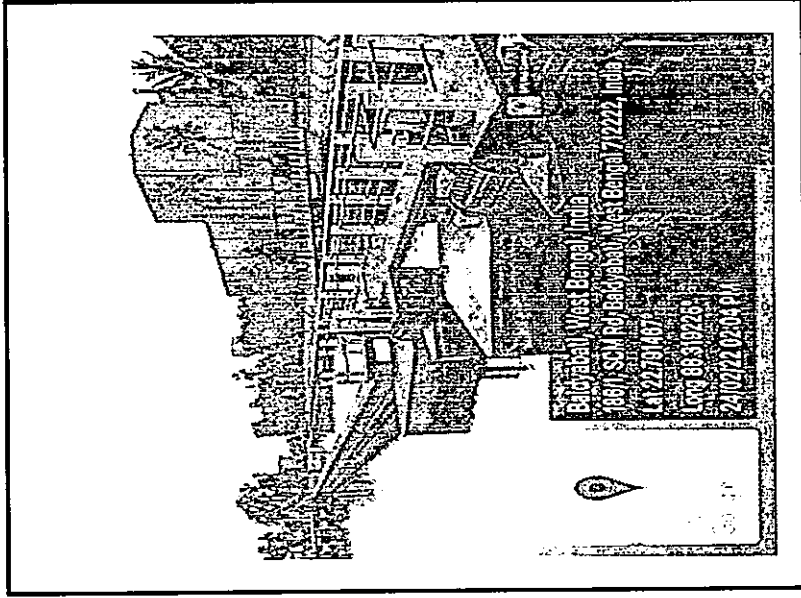


NAIHATI ASP

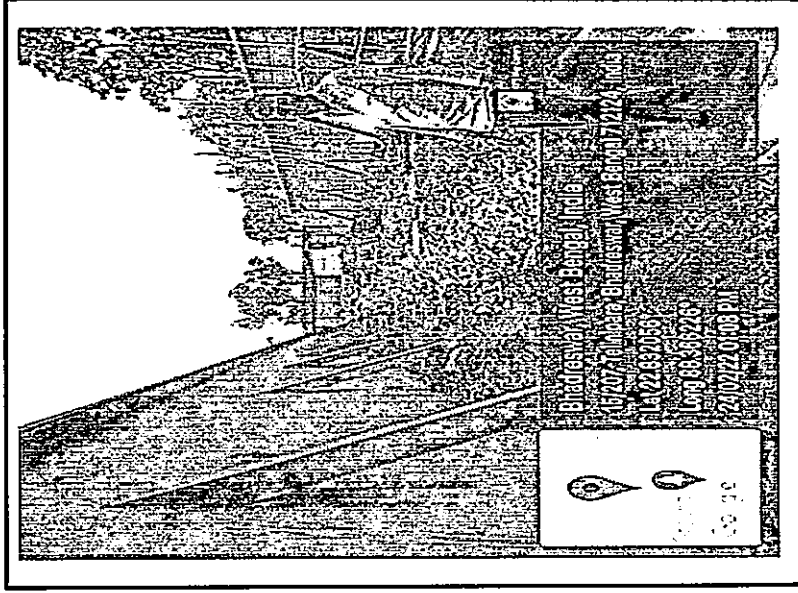
SITE VISIT PHOTOGRAPH OF STPs UNDER NON-OPERATIONAL/PARTIALLY OPERATIONAL IN JULY 2022



Panihati

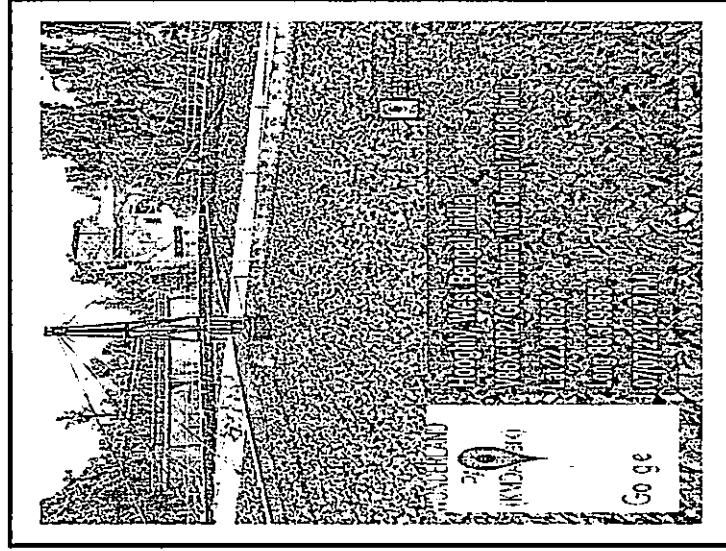


Baidyabati

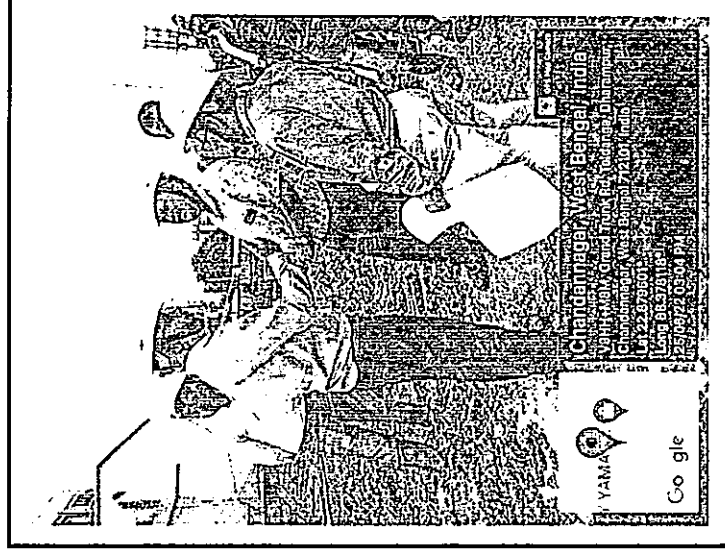


Bhadreswar

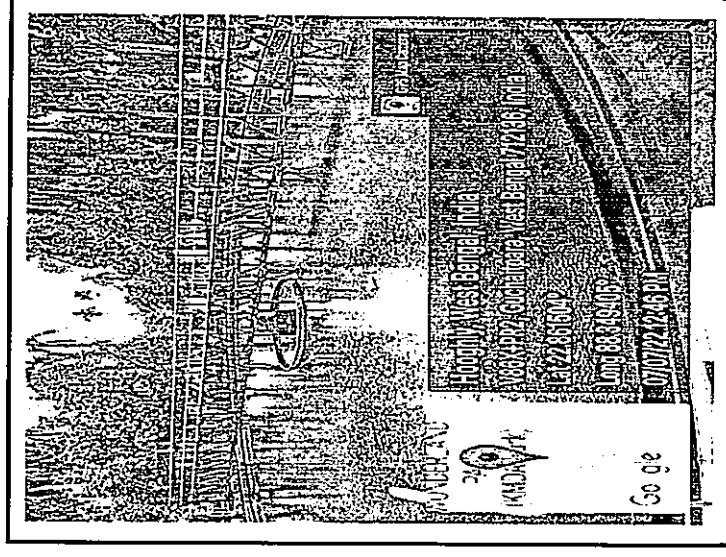
SITE VISIT PHOTOGRAPH OF STP's UNDER NON-OPERATIONAL/ PARTIALLY OPERATIONAL IN JULY 2022



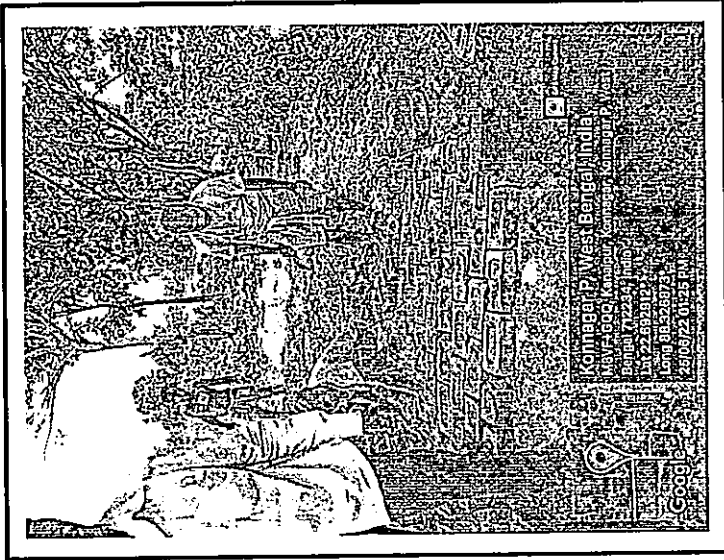
Chandannagar



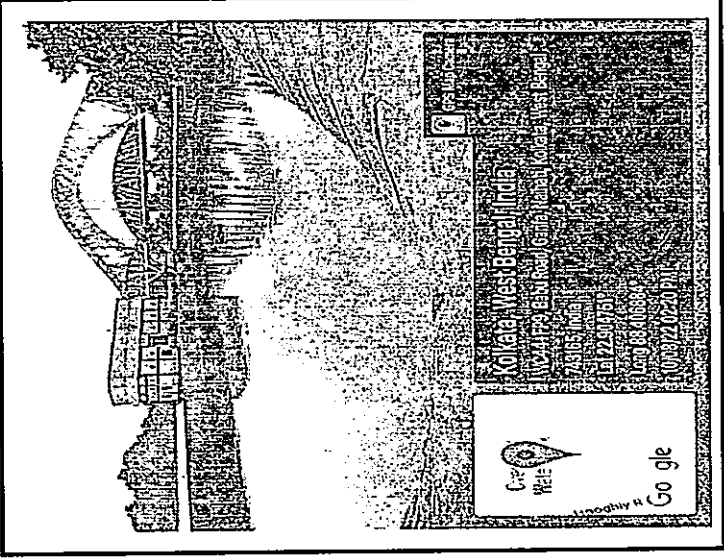
Bansberia



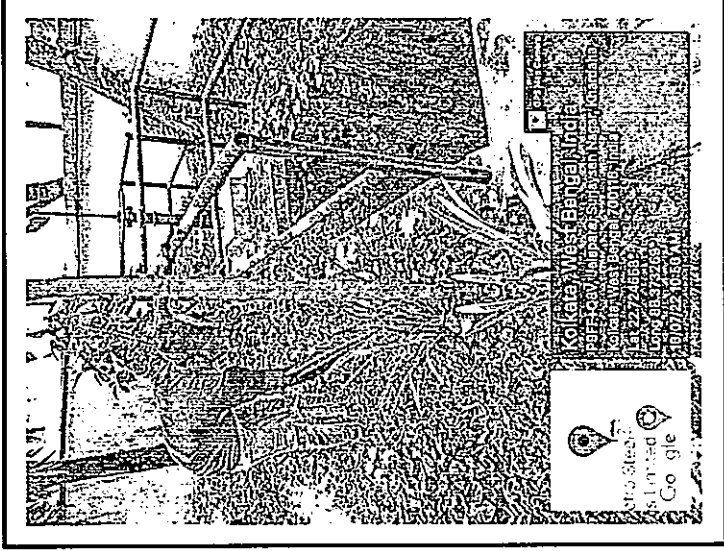
Chandannagar



Uttarpara - Kotrung and
Konnagar



Naihati WSP



Titagarh

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	Nabadwip	Nabadwip	9.50 MLD	May, 2021	O&M started from 01/07/2022	O&M started from 01/07/2022
2	Kanchrapara	Kanchrapara	18.00 MLD	December, 2021	Overall physical progress achieved as on 31.07.2022 is 96 % 1] Renovation of existing sluice gate 3 nos - completed 2] Renovation of existing MPS - 95 % completed 3] Construction of inlet chamber with Bar screen and gate-100% 4] Laying of Pipeline -Completed 5] Construction of 18 MLD capacity of STP - 90% 6] Renovation and installation of existong structural bridge completed LOA issued on 20th August, 2019	Overall Physical Progress increases as compared with previous month: 11%
3	Jangipur	Jangipur	8.00 MLD	Feb, 2023	Physical Progress upto 31.07.2022: 24.85% Construction of STP Physical progress-38%. i) SBR Basin: Pile Cap raft completed. ii) Inlet Chamber: Pile Cap completed. construction above pile cap is under process iii) MCC- Blower Room: construction upto Tie beam lvl. done. construction of machine foundation is completed and column up to grade slab level is completed. Column above grade slab level is completed. Ground floor Slab completed. 1st floor slab is under process. iv) Centrifuge House of STP: Completed except Mummy room. v) Chlorination Building : Up to tie beam level - completed. Up to grade slab level also completed. Upto ground Floor slab is completed. Finishing work is under progress. vi) CCT room: Not started. vii) MPS- 1 no. The design and vetting 1 No. of MPS is completed. Layout done and construction is	Overall progress increases 3.84%

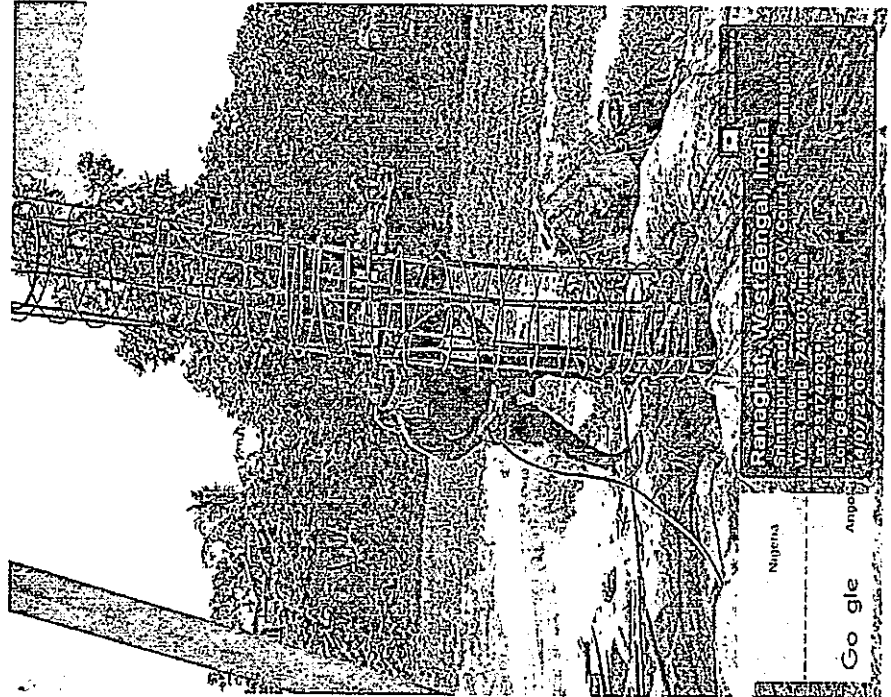
					under progress. Network: Laying permission has been issued from the end of Jangipur Municipality. Laying of sewer line about 1104 m completed till date . Manhole: 21% LS at Burning Ghat: NOC from IWAI is still awaited. NOC for alternative land has already been issued by the Jangipur Municipality and land verification report is yet to be received from Land Cell, KMDA
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Sl. No.	Location	ULB Jurisdiction	Proposed capacity in MLD	Timeline for completion	Present Status	Incremental progress over the last visit
4	Raghunathganj	Jangipur	5.00 MLD	Feb-23	Physical Progress upto 31.07.2022 : 23.5% Construction of STP Physical progress-36%. i) SBR Basin: Pile Cap is under construction. ii) Inlet Chamber: Pile Cap completed. Column above pile cap is under progress. iii) MCC- Blower Room: construction upto Tie beam level completed. Construction upto grade slab level completed. Column above grade slab completed. Ground floor slab completed. iv) Centrifuge House of STP: Construction completed. Finishing is under progress. v) Chlorination Building : Construction up to tie beam completed. Construction up to grade slab level is completed. Column above grade slab level completed. Roof Slab completed. vi) CCT room: construction of Raft foundation completed. construction of wall completed. vii) MPS- 1no. The design and vetting 1 No. of MPS is completed. Layout done. Construction is under process. Network: NOC for laying pipeline has been issued. 264m pipeline laying completed. 1) UGLS at Global More: NOC issued on 01.02.2022. Construction has not been started due to non finalization of revised BOQ. 2) UGLS at Shibaji Sangha: NOC issued on 01.02.2022. Construction has not been started due to non finalization of revised BOQ. 3) UGLS at Balighata: NOC has been issued on 07.07.2022	Overall progress increases 6%

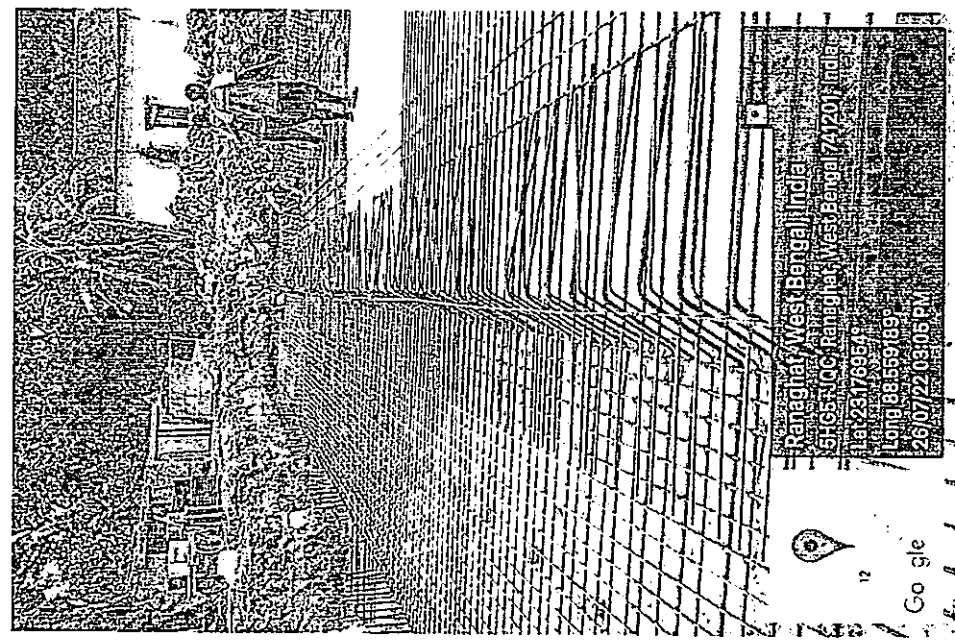
Sl. No.	Location	ULB jurisdiction	Proposed capacity in MLD	Timeline for completion	Present Status	Incremental progress over the last visit
5	Berhampore	Berhampore	3.50 MLD	FEB-23	Physical Progress upto 31.07.2022 : 12.04% Construction of STP Physical progress- 19% i) SBR Basin: Raft completed. Wall casting 5th lift completed. ii) MPS- 7 lift of wall casting completed. LS at Kapiler Math: NOC for alternative land was issued from ULB on 06.07.2022 LS near DM Bungalow: NOC for alternative land was issued from ULB on 06.07.2022 UGLS at Battala: NOC issued. But the construction work has not been started due to non finalization of revised BOQ Network: The NOC for laying pipeline on Kaji Najrul Sarani has been issued from PWD on 17.05.2022 and Berhampore Municipality on 06.05.2022. Laying of HDPE(DWC) pipe of 694 m length done till date. Manhole: 8%	Overall physical progress increase 0%
6	Ranaghat	Ranaghat	11.6	Nov-23	Greenathpur Ranaghat : Overall physical progress achieved as on 30.06.2022 is 9.00%. Work order issued on 03/11/2021 and the design and drawing for setting up the 4.00 MLD STP is under process. Already 72 nos of piles has been completed out of 92 nos of piles of SBR basin. Construction of MPS is in progress Chaitanya Ghat Overall physical progress achieved as on 30.06.2022 is 5.00%. Work order issued on 03/11/2021 and the vetted design and drawing for setting up the SBR basin 2.60 MLD STP submitted and the construction of SBR basin is under progress. Silver Jubilee Road: The construction of the proposed 5.20 MLD STP can be done only after the process of purchase of land is completed..	Incremental physical progress 2%

Sl. No.	Location	ULB jurisdiction	Proposed capacity in MLD	Timeline for completion	Present Status	Incremental progress over the last visit
7	Bally (Kona)	Jagacha Gram Panchayet	62.00	Sept 2023	Overall progress : 70.91% STP: 74.83 % Network: Manhole Rising 85% LS MPS Repair 86% Desilting 59% Pipe Laying 38%	Overall incremental increase is 6%
8	Arupara	Howrah	65.00	Sept.-2023	Overall progress : 76.5% STP : 83% Network: Manhole Rising 100% LS MPS Repair 80% Desilting 100% Pipe Laying 0%	Overall incremental increase is 7%
9	Mathkal	Baranagar	60.00	Sept.-2023	Overall Progress : 69.04% STP : 79.3% Network: Manhole Rising 50% LS MPS Repair 100% Desilting 85% Pipe Laying 0%	Overall incremental increase is 11%
10	Hooghly Chinsurah	Hooghly Chinsurah	26.5	09.07.2023	Progress as on 29.07.2022- For Civil parts = 14.0 % , Overall progress = 10.13 % 1) 354 nos of piles, for SBR, has been completed out of 382 nos. 2) Macinaries and Equipments has been mobilised 3) Survey work completed 4) Soil investigation completed 5) Sewrage network design as well as structural design are going on.	Overall incremental increase is 8%

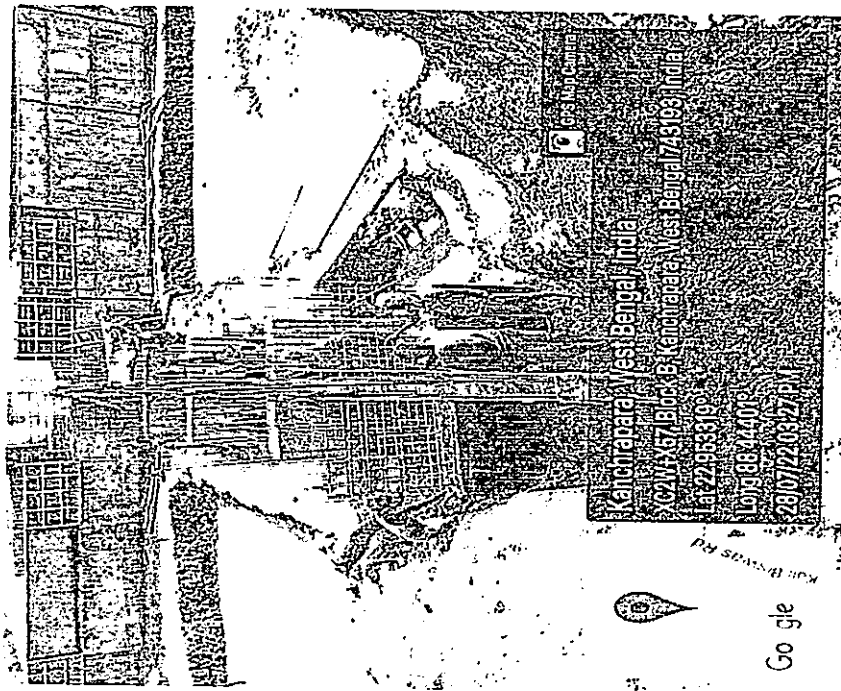
SITE INSPECTION OF DIFFERENT PROJECT UNDER EXECUTION IN JULY 2022



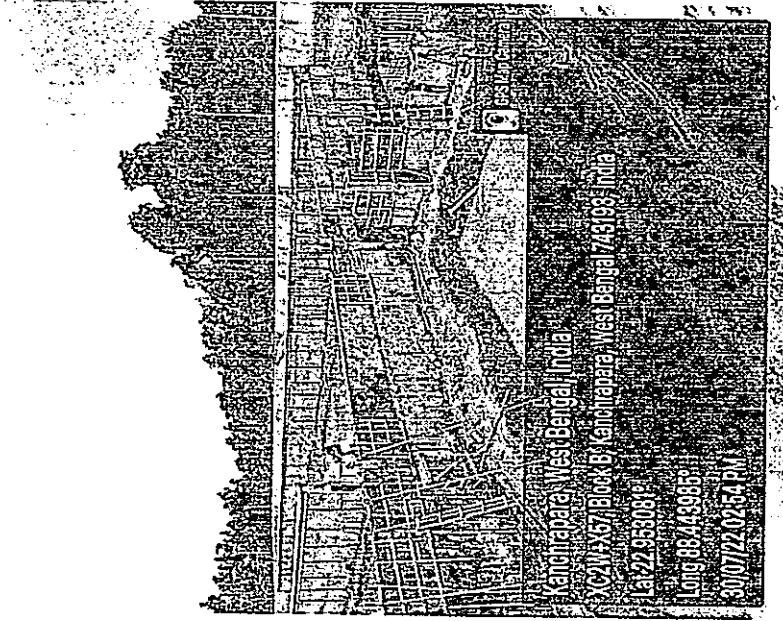
RANAGHAT



RANAGHAT

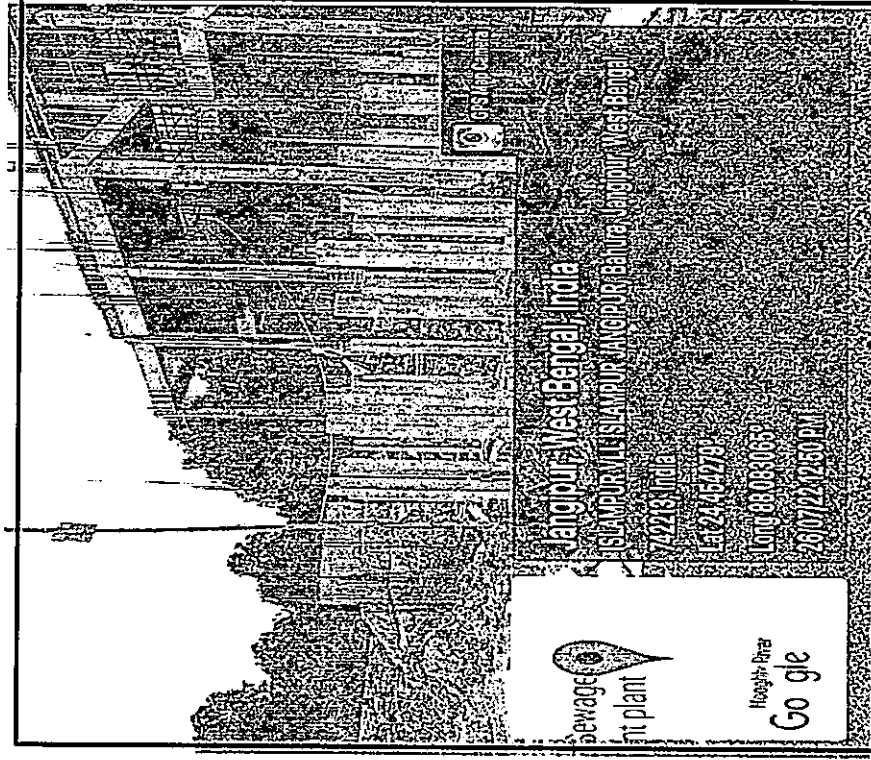


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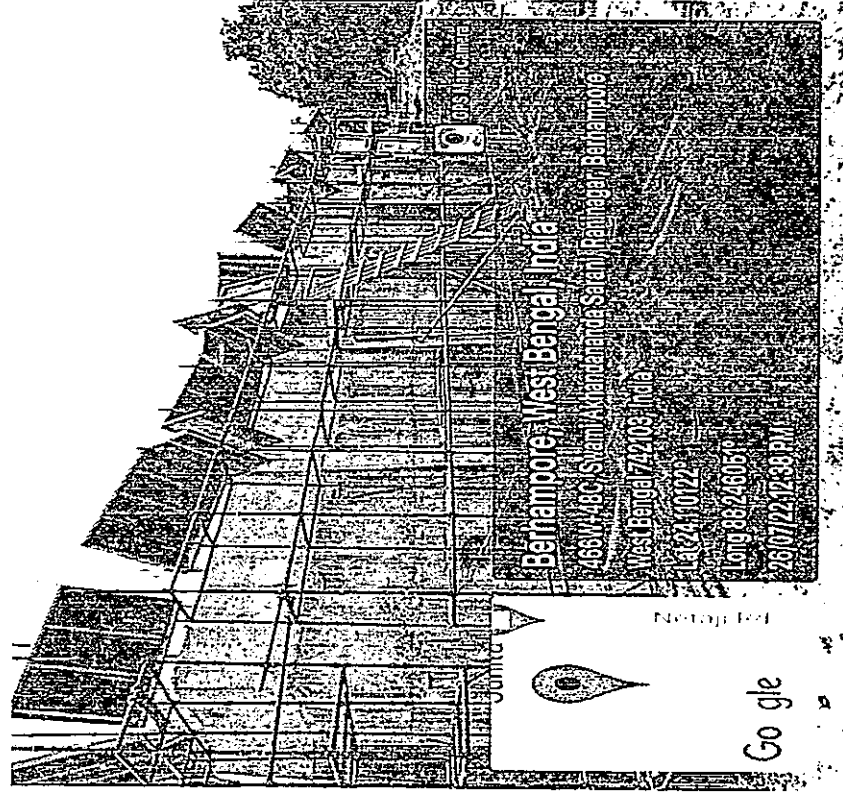


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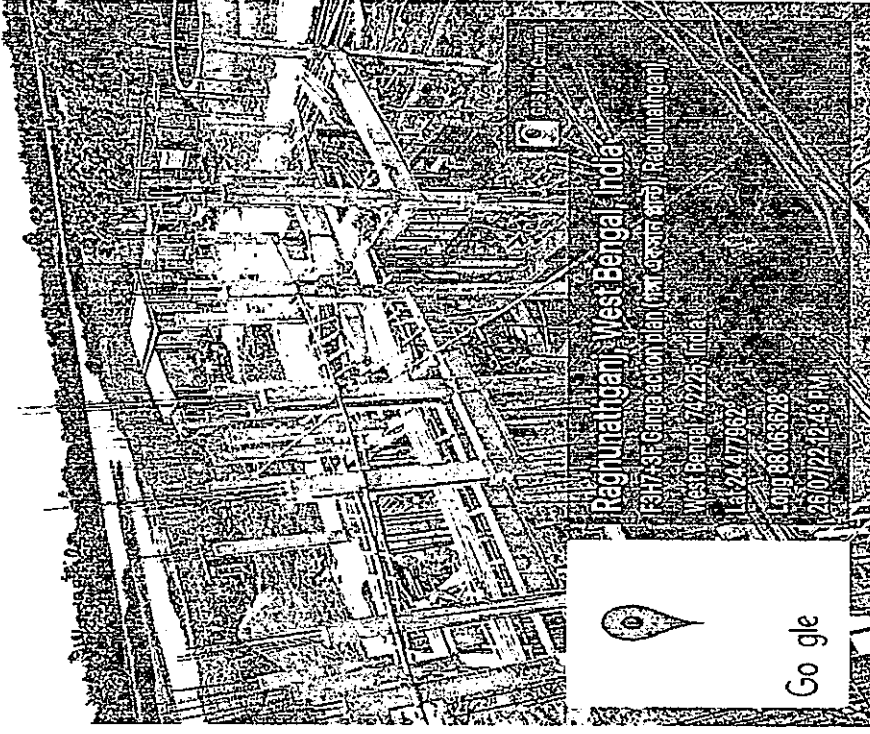
SITE INSPECTION OF DIFFERENT PROJECT UNDER EXECUTION IN JULY 2022



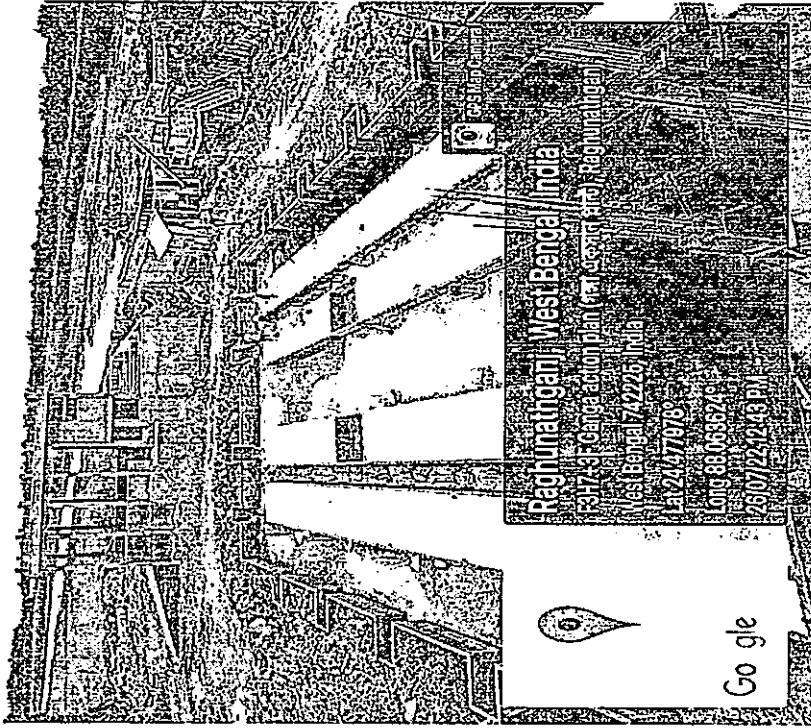
LANGIPUR STP SITE



BERHAMPORE STP SITE



RAGHUNATHGANJ STP

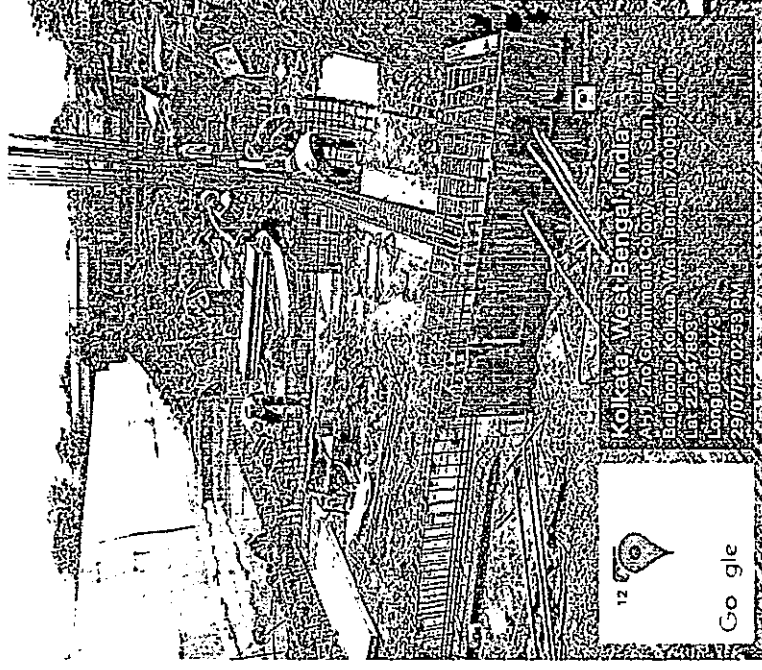


RAGHUNATHGANJ STP

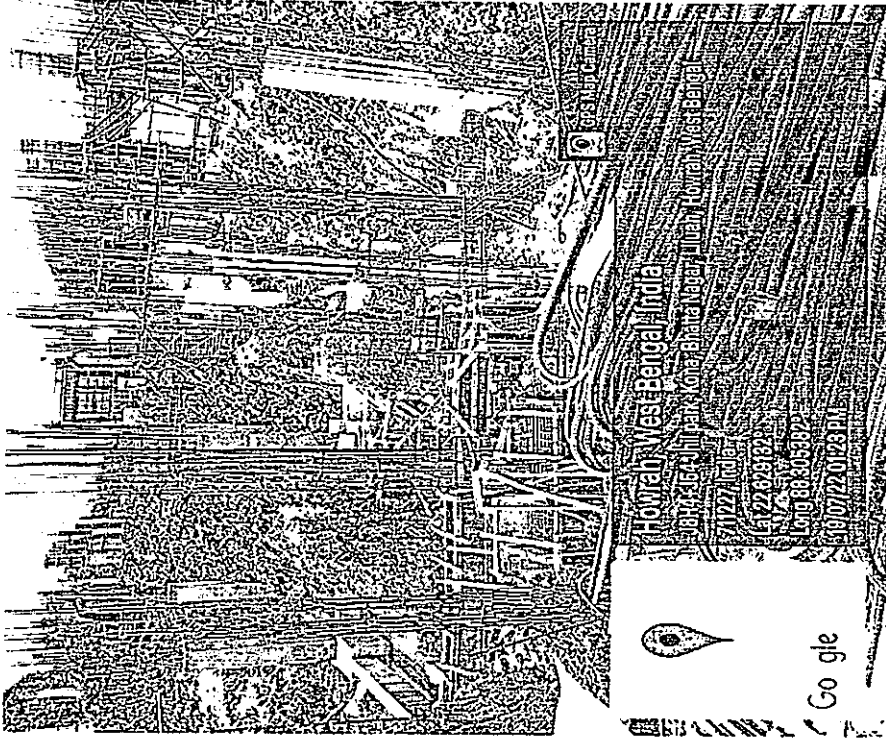
SITE INSPECTION OF DIFFERENT PROJECT UNDER EXECUTION IN JULY 2022



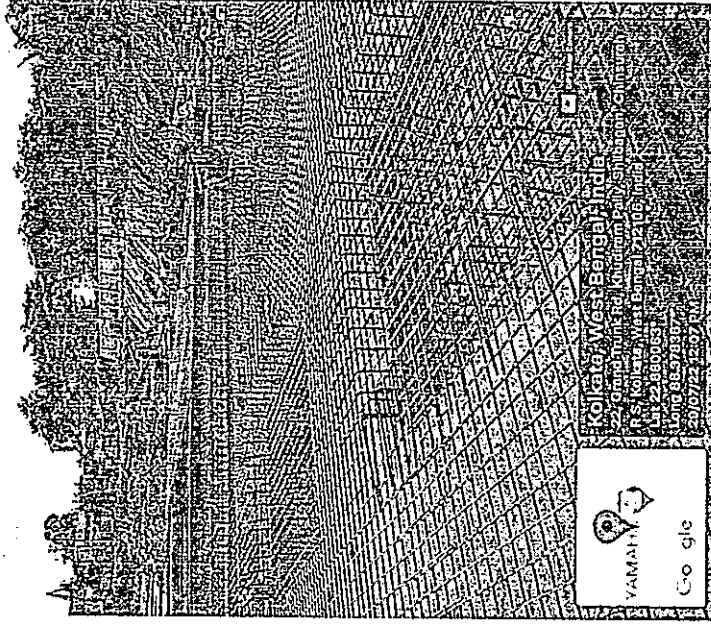
ARUPARA SITE



BARANAGAR SITE



BALLY STP



HOOGHLY CHINSURAH

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 diversion/interceptionof the drain of STP	Any alter native Pollution Abet ment meas ures 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 / RamaghatOpen pucca drain	Garifa	113.3 MLD	Considered to be connected with the STP 1 (6.50 MLD capacity) at Naihati 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 Naihati in rejuvenation works under North 24 Parganas district.	NO	Civil construction for Lock gate is completed.	Lock Gate Installed..

Sl no.	Name of drain	City/To wn of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or diversion/interceptionof the drain of STP	Any alter native Pollution Abet ment measures taken	Present Status	Incremental progress over the last visit
5.	Thanar 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.	Imambara 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 Ghat Drain	Hooghly- Chinsurah	1.7 MLD	Consider in Hooghly - Chinsurah Revised DPR	No	Technical Evaluation is in process.	NIL
9.	Debitala 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

Sl no.	Name of drain	City/To wn of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or diversion/interception of the drain of STP	Any alter native Pollution Abet ment meas ures 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 Ghat 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 Ghat 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 Ghat)	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 Rejuvenation.	NIL

Sl no.	Name of drain	City/To wn of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
16.	Hasting Ghat Drain	Rishra	29.0 MLD	Considered to be connected with the existing LS at Rishra Hooghly district.	Considered to be connect at LS at rishra	Tender invited for preparation of DPR	Financial evaluation in progress
17.	Dewangazi Ghat 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.	Jagatnath Ghat 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 Ghat	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	Buffer wall constructed inside the drain and diversion line from the PB Ghat to nearest manhole has been completed.	NIL

Sl no.	Name of drain	City/To wn of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or diversion/interceptionof the drain of STP	Any alteration native Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
21.	Kuthighat Drain/ Baranagar Khal	Baranagar	2.1 MLD	Considered in Kamarhati-BaranagarSTP (60.00 MLD) at Baranagar whichshall be executed by Ganga STP Project Pvt. Ltd. under HAM.	No	NIL	NIL
22.	ChitpurGhat Khal/ Circular Canal	Chitpur	458.6 MLD	KMC area connected with BangurSTP & EKW. (KMC)	No	Under KMC	Under KMC
23.	Cossipore / Kashipur drain	Cossipore	9.5 MLD	Connected to Bangur STP. (KMC)	NO	Under KMC	Under KMC
24.	TelkalGhat 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.	RamkrishnaGhat 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,	844.5 MLD	3 new STPs are proposed (KMC)	Under KMC	Tolly'sNullah is guarded with 8	Under KMC

SI no.	Name of drain	City/To wn of confluence point	Flow of drain(MLD)	Any STP operation/planned in catchment area or diversion/interception of the drain of STP	Any alteration in native Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
		Hastings, Kolkata				floating 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 Ghat Drain	Nimtala Ghat, 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 Ghat 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 same from reaching to the	Under KMC

Sl no.	Name of drain	City/To wn of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or diversion/interception of the drain of STP	Any alteration native Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
						River.	
30.	Shibpur Burning Ghat 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	5.20 MLD	Diverted to 31 MLD STP at Jaggadal	No	Already intercepted and diverted to Ex-LS-04 and finally delivered to 31 MLD STP at Jaggadal	NA
34.	Rosbara Khal	Bandel	168.ra3 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
35.	Old Muni Khali Khal	Mahestala	6.9 MLD	Considered in Mahestala I&D network project	No	Land hand over is in process.	

Sl no.	Name of drain	City/Town of confluence point	Flow of drain (MLD)	Any STP operation/planned in the catchment area or diversion/interception of the drain of STP	Any alteration in native Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
36.	Bhatpara Drain	Bhatpara	2.6 MLD	NO	NO	DPR already sent to NMCG for approval	NIL
37.	Pratapnagar-Rajbari Drain	Bhatpara	35.3 MLD			Already been taken up by GAP sector KMIDA	NIL
38.	Bhatpara-Open pucca drain	Bhatpara	58.3 MLD				
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 proposed	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 diversion/interception of the drain of STP	Any alteration in native Pollution Abatement measures taken there.	Present Status	Incremental progress over the last visit
41.	Chandani Ferry Ghat / Paolghat Drain	Chandani	2.6 MLD	I&D work proposed after Augmentation/Up-gradation of existing STP at Serampore & Chandani 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 humungous 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

Sl no.	Name of drain	City/To wn of confluence point	Flow of drain(MLD)	Any STP operation/planned in catchment area or diversion/interceptionof the drain of STP	Any alter native Pollution Abet ment measures taken	Present Status	Incremental progress over the last visit
44.	Saraswati Khal	Howrah	20.6 MLD	NO	Tender invited for Preparation of DPR for Howrah added zone in I&D with STP.	NIL	NIL
45.	DhopaGhat Drain	Bansberia	0.1 MLD	NO	NO	Interception of the drain is not possible	NIL
46.	Chandannagar Drain	Chandanna gar	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 Triveni Tissue factory has been directed to install STP for their housing	Action plan of this drain has been submitted by WBPCB.
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SI no.	Name of drain	City/Town of confluence point	Flow of drain (MLD)	Any STP operation/planned in catchment area or diversion/interception of the drain of STP	Any alteration in native Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
						quarters. Monitoring of the same to be done on regular basis.	
49.	Akhra Food Ghat drain (New Muni 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	Action plan of this drain has been submitted by WBPCB.
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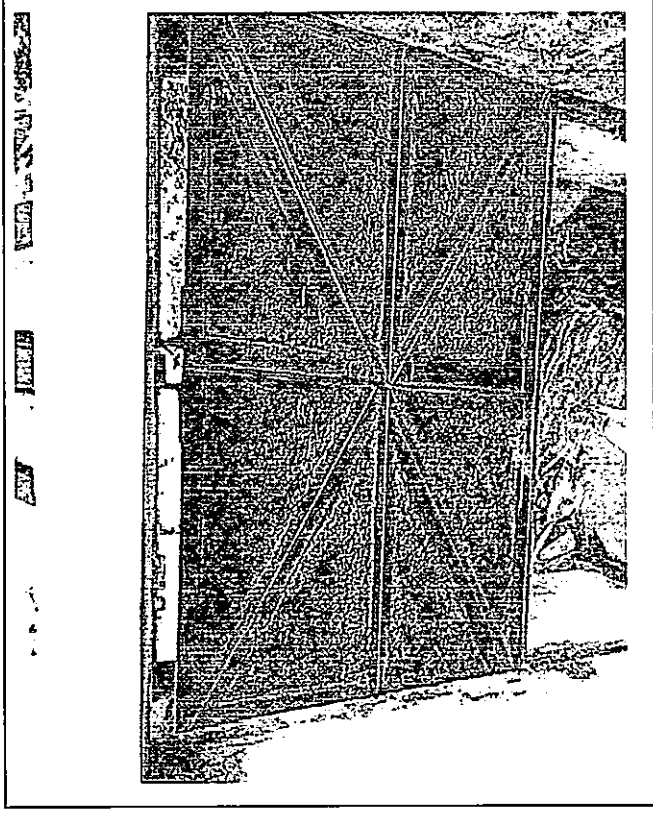
SI no.	Name of drain	City/To wn of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or diversion/interceptionof the drain of STP	Any alter native Pollution Abet ment meas ures taken	Present Status	Incremental progress over the last visit
						already taken regulatory action.	
52.	Baidyabati Drain	Baidyabati	576.0 MLD	NO	Drain with humongous capacity and flow will be treated as separate canal/River	Tender invited for preparation of DPR	Financial evaluation in 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	Tender invited for preparation of DPR	Financial evaluation in progress

Sl no.	Name of drain	City/To wn of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or diversion/interception of the drain of STP	Any alter native Pollution Abet ment measures taken	Present Status	Incremental progress over the last visit
					Howrah added zone in I&D with STP		
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 APRIL 2022



GARIFA SOUTH (RAM GHAT)



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: 11.04.2022

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: 16.08.2022

ORDER(Draft)

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

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

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

This issue has an approval of the Higher Authorities.

Joint Secretary
UD&MA
Department

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

Date: 16.08.2022

Copy forwarded for kind information's and necessary action to:

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

14. OSD to the Municipal Commissioner,KMDA
15. PS to Hon'bleMIC
16. PS to PrincipalSecretary

Joint Secretary
UD&MA
Department

Minutes of the 14th River Rejuvenation Committee (RRC) meeting relating to Polluted River Stretches Priority - I, II, III, IV and V in connection with the order of NGT O.A. 673/2018

Held on: 16th June, 2022 at 11:00 A.M.

Venue: 3rd Floor, Conference Hall of KMDA

The members attended in the Meeting is enclosed in Annexure -I

Member Secretary, West Bengal Pollution Control Board and Chairman of the RRC initiated discussion to review of the progress as per the Action Plan of the identified river stretches Priority - I,II,III,IV and V in connection with the order of NGT O.A. 673/2017.

Status of P IV and P V Rivers

For Jiaganj-Azimganj STP under MED, 90% civil work is completed and work order has been placed for the electro-mechanical equipments and are expected at site within the next 15 days. The entire work is expected to be completed by 31st August 2022. PD, SPMG suggested to form a monitoring committee exclusively for Baharampore for solid, liquid and legacy waste.

Physical work is completed for the rivers Kaljani, Karola, Kansi, Jalangi, Rupnarayan and Silabati. In Mayurakshi and Dwarakeswar rivers 75% work is completed and the remaining work is expected to be completed in 3 months. Chairman, RRC reiterated that the concerned nodal departments should compile and collate the entire work done to give a wholesome picture to comply with the Primary Water Quality Criteria for Bathing Waters.

[Action: MED, ADDA, SJDA]

River Churni (P III)

Progress of 3 STPs on Churni River has been slow. KMDA has been asked by RRC committee to expedite the work and complete it by December 2022.

[Action: KMDA]

Liquid waste Management on River Ganga (P III).

PD, WBSPMG expressed her concern on the physical progress achieved for "Howrah,Bally,Baranagar"STP project under HAM though the project has been shown to have achieved atotal progress of 60% as on date on the milestone basis. The time line for completion of the project is Dec, 22 but KMDA, Executing Agency, is now facing difficulties in laying Sewer line in Bally Town due to constraints in getting free Right of way (ROW). Intervention of the administrative authority (SDO, being the Administrator) is urgently required for the sake of completion of the project in time.

Chairman, RRC desired that he will intervene, if needed, personally to sort out the impasse. But now, SDO is being requested to sort out the issue.

[Action: KMDA]

Hooghly-Chinsurah STP project:

PD, WBSPMG requested CE, GAP to highlight the updated status of the project.

CE, GAP reported that 300 out of 380 piling has been completed for STP site.Construction of Pumping stations, MPS and Laying of sewer network could not be started yet due late resolution of land issues. He assured that from next month onward, all components will be started concurrently and substantial progress would be achieved.

[Action: KMDA]

Improvement of water quality River Ganga:

CTA, WBPCB informed that DO level is above the minimum required level of 5 mg/ltr at all locations. While BOD level is found below permissible limit of 3mg/ltr at all locations of River Ganga except at North Barrackpore, where BOD level exceed marginally. *Fecal coliform* is high in all locations and in Berhampur it is noticeably high. However, CTA expressed hope that once all STPs/FSTPs are completed in Ganga towns, water quality of the river will be improved. Since major concern is for Berhampur, ongoing integrated Solid and liquid waste management for Berhampur town and its vicinity will be able to achieve bathing standard.

It is decided that a dedicated technical team would be deputed by the UD & MA Deptt., GoWB immediately to monitor both solid and liquid waste management in Berhampur and North Barrackpore.

[Action: WBSPMG, SUDA]

Jiagunj and Azimganj STP project.

It is decided that one STP facility is available in Jiagunj town where *septage* of the town can be co-treated till STP and STP project in augmented capacity for the towns is developed. Chairman, RRC stated that in towns where facility of STP is not available/ getting delayed in commissioning, FSTP facility will be developed for reducing *Fecal Coliform* level of River Ganga.

[Action: KMDA]

Additional drains identified by CPCB in River Ganga:

CTA, PCB requested CE, GAP to appraise the status of additional 14 drains apart from 56 drains previously identified by the CPCB which are discharging in River Ganga.

CE, GAP, KMDA reported that it has already engaged two Institutes like Jadavpur University and the Indian Institute of Engineering, Science and Technology (IIST) Shibpore to assess the water quality and flow of the seventy (70) drains.

It is decided that KMDA will place a report before the RRC committee immediately for approval.

[Action: KMDA]

I &D with STP for Asansol and Durgapur Towns:

PD, WBSPMG informed that DPR had been sent to NMCG for approval. But NMCG has raised some observation. KMDA is now revising the DPR.

It is decided that ADDA will identify lands (30mx50m) at 2/3 locations within city areas by 30.06.22 enabling KMDA to complete the preparation of revised DPR by 15.07.22. WBSPMG will then be able to take up the matter with NMCG for approval and funding.

It is also decided that Durgapur Municipal Corporation (DMC) will provide list of operational STPs in its domain as well as status of setting up of new STP on River Ajay to WBSPMG immediately to enable them to incorporate the data in MPRs which are being sent regularly to NMCG.

[Action: WBSPMG]

Dwarka River (P IV):

PHED is executing one STP at Tarapith. 90% physical progress has been achieved. It will be put under trial run by June, 22

[Action: PHED]

Bidyadhari River (P I):

Bidyadhari River has been identified under Priority I river in West Bengal. CTA, WBPCB informed that 4 canals SWF/DWF, Kestopur, Bagjola and Noai are discharging into the river Bidyadhari. Sewage from the SWF/DWF Canal is treated naturally at East Kolkata Wetland. PHED has entrusted IIT, Kharagpur for detailed investigation, quantification of pollution, preparation of concept plan to combat pollution of Noai canal which discharges into River Bidyadhari. IIT Kharagpur has suggested that the entire upper stretch above Haroa Bridge to Malancha Burning ghat has to be taken under consideration to improve the water quality of the river Bidyadhari. Preliminary report reveals that STPs need to be constructed for 6 ULBs. KMDA has already taken up STP projects for management of Kestopur and Bagjola. KMDA will also undertake necessary measures (STP/FSTP) in 6 ULBs for management of pollution for Noai canal. Therefore, it is resolved that setting up of one STP of capacity 170 MLD at Ghushighata is not required anymore. Revised plans may be uploaded in the Website accordingly.

[Action: KMDA, PHED]

Tolly's Nullah, Gardenreach and Baghajatin STP Projects:

PD, WBSPMG informed that the action taken report as observed by PAC in connection with the Project related to Pollution Abatement and Rehabilitation of Tolly's Nullah would be finalized by 17.06.22. PD, WBSPMG requested KMC to submit a comprehensive updated action taken report on LWM, SWM and dredging of Tolly's Nullah.

On being pointed out by CTA-WBPCB, in order to ascertain the functionality of existing Baghajatin and Gardenreach STPs it was decided that a joint inspection of representatives from KMC, KMDA, WBPCB, MED & WBSPMG would be conducted on 24.06.22 and the joint inspection Report would be placed before the River Rejuvenation committee (RRC).

Chairman, RRC stressed the need for installation of online effluent monitoring of all STPs through a portal developed by NMCG.

[Action: KMC]

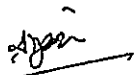
Mahananda River (P II):

On being pointed out by the PD-WBSPMG, Chairman, RRC urged all Executing Agencies to submit the updated report on the works undertaken towards pollution abatement of River Mahananda on regular basis without delay on this vital issue, being under monitoring of the Hon'ble NGT. Clear photographs with GIS tags and videography of the IEC activities conducted on River Mahananda are to be shared with PD-WBSPMG.

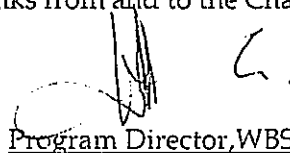
[Action: KMDA, MED, SJDA]

It was decided to hold the RRC meeting regularly once in every month.

In view of no other Issue, the meeting was ended with thanks from and to the Chair.



Chairman, RRC &
Member Secretary, WBPCB



Program Director, WBSPMG

**MINUTES OF THE REVIEW MEETING CHAIRED BY THE HON'BLE CHIEF
SECRETARY, GOVERNMENT OF WEST BENGAL ON 21ST JUNE, 2022 TO
REVIEW THE PROGRESS OF LIQUID WASTE MANAGEMENT, IN THE STATE
OF WEST BENGAL.**

At the outset, Hon'ble Chief Secretary welcomed all the members present in the meeting. The Program Director, WBSPMG presented one PPT on Liquid Waste Management. Agenda-wise discussion held and decisions taken are stated as below:-

1. Status of Operational STPs :

The status of operational STPs was considered in comparison to that of December, 2020 from where it is seen that during the last one and half years the Government of West Bengal has been succeeded in adding another 13 STPs in the list of operational STPs thereby raising the capacity of treatment to 528.35 MLD. Incremental increase of Sewage treatment rose to 163 MLD.

Hon'ble Chief Secretary expressed his satisfaction on the performance and instructed to revise the target date of completion falling on June 2023 of all the on-going STPs to March 2023.

Action: KMDA, KMC, MED

2. Berhampore STP Project: Hon'ble Chief Secretary expressed his dissatisfaction on the slow progress of the work of this Project. He directed to sort out the land issues in the project with the District Magistrate, Murshidabad. DM, Murshidabad participated in the VC link and was instructed to sort out the land issue within 3-4 days.

Action: DM Murshidabad, KMDA

3. Sludge Management at the STP: Hon'ble Chief Secretary has desired that an Integrated Sludge Management Policy to be framed immediately and to develop mechanism by adopting suitable technologies for management of sludge generated at the STPs and their scientific and commercial disposal. He stressed that the ULBs should be involved in the process. A draft policy/proposal for sludge management is to be placed before him in the next review meeting. He also suggested finding out a viable solution of using the sludge as fertilizer. And directed to explore the possibility of tagging private organization in the sludge management process.

Action: Department of UD & MA, WBSPMG, KMDA

4. **Under Tendering Stage Projects:** Hon'ble Chief Secretary directed to ensure issuance of Work Order before the next meeting.
Action: KMDA, WBSPMG

5. Chief Secretary Sir has also expressed his desire to have a workshop on Urbanization in West Bengal and implementation of Waste Water Management to keep the environment pollution free. In the workshop the area like Urban Planning, Urban Finance, State Financial matter can be taken up for discussion where Expert may be involved. The ULBs will be invited in the workshop and the Department would request Hon'ble MIC Sir to kindly chair the workshop. The date and time of the workshop will be fixed as per convenience of MIC and CS Sir.

Action: Department of UD & MA

6. Hon'ble Chief Secretary directed that a small park may be setup along with the Ghats wherever the space is available. It may be integrated with the River Front Development/Ghat Development Programme. We should try to explore to have the CSR fund for this purpose.

Action: Department of UD & MA, WBSPMG

Since there was no other issue tabled for discussion, the meeting ended with thanks to and from the chair.

Members participated: List of participants Annexed.


Chief Secretary
Government of West Bengal

Minutes of the urgent meeting of the "Committee for Drain and STP constituted by UD & MA"
held on 29.07.2022 at 4 pm in the KMDA Unnayan Bhavan conference room to review the
compliance status of the different STPs in Ganga front towns of West Bengal

The meeting was chaired by Smt. Nandini Ghosh, IAS, Program Director, WBSPMG where she put forward the agenda of the meeting having context with the report on "Status of Sewage Treatment Plants in Ganga front towns of West Bengal", shared by Director & Divisional Head WQM-II, CPCB vide letter No: B-190162/STP-MON/WQM-II/CPCB/2022-23 dated 15.07.2022.

- It was pertinently pointed out from Hon'ble NGT OA-200/2014 Order dated 22.07.2022 that compliance of Ganga water has to be fit not only as per norms in terms of pH, BOD, TSS and FC of bathing standard, but also to be safe for 'Achman' purpose. Non-operational and non-compliance of STPs lead to disposal of untreated sewage in river Ganga or its tributaries.
- CPCB has pointed out that only two STPs in West Bengal are complying with all required parameters out of 20 operational STPs. While monitoring during the period January to March 2022 CPCB highlighted about 21 non-operational STPs out of the total monitored 41 STPs. There were only 8 and 10 STPs which were complying the Faecal Coliform norms (≤ 230 MPN/100 ml) and BOD norms (< 10 mg/l) respectively as observed by CPCB during the said period.
- CE, GAP pointed out that there are mainly two reasons for the non-compliance. Firstly, many STPs which are under rejuvenation as well as those tendering were done before the stipulation of the water quality criteria cannot be made compliant because the design of those STPs are based on the old parameters where BOD should be below 30mg/l. Secondly, FC count needs to be addressed separately, where standardization of chlorine dosing is required.

Action Points:

1. In order to ameliorate the water quality of Ganga a two pronged approach is the call of the hour. There should be an integrated sludge management at each STP so that no untreated sludge again contaminates the water. Co-treatment of sewage with the help of FSTP and STP at STP site locations and decentralised FSTPs at ULBs where STPs are not there, can address the water quality issues of river Ganga.
Action- CE KMDA to float RFP for Sludge Management within 18th August 2022.
2. It was suggested by CTA, WBPCB that a display board should be put up at STP locations mentioning the design parameters, latest data reading along with flowsheet. This will help for the monitoring team to determine the performance of the STPs.
Action - KMDA, KMC, MED to take action by 18th August 2022.
3. PD, SPMG instructed CE, GAP to get the official confirmation from DG, NMCG regarding the design criteria to the STPs under Namami Gange so that there should not be any ambiguity regarding the compliant standards.
Action - CE GAP to take action by 18th August 2022.
4. It was suggested that CPCB, WBPCB and Agencies should jointly inspect the STPs and get the water quality tested from three different NABL accredited laboratories to determine whether all the parameters are within permissible limits.
Action - KMDA, KMC, MED, CPCB, WBPCB to take action as early as possible.

As there was no other issue to discuss, the meeting ended with vote of thanks to and from the chair.

Attendee List enclosed.


(Nandini Ghosh, IAS)
Program Director, WBSPMG

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 will be taken up during 2022-23 if fund is available.

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	


13/9/22
Chief Conservator of Forests, SDP
& Member Secretary, WBSFDA

G. BIODIVERSITY PROGRAMME TAKEN UP BY THE DEPARTMENT OF FORESTS
Biodiversity River Bank Protection (Plantation) at Teesta Barrage Acquired Division over 100 Ha.

Sl. No.	Item of Work	District	Location	Range	Area (in Ha)
1	Biodiversity River Bank plantation done during 2021-22. (But due to non-availability of fund , maintenance work can not be taken up during 2022-23)	Jalpaiguri	Porajhar to Fulbari	Central	50.00
2		Darjeeling	Bropathuram to Northern boundary of Porajhar	Ghoshpukur	50.00
Total					100.00



 Chief Conservator of Forests, SDP
 & Member Secretary, WBSFDA

12/7/22