



Government of West Bengal
Department of Environment

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

No. EN/ 42 /3C-01/2019

¹⁴
Dated, Kolkata January, 2022

From ::

Shri Rabijyoti Majumdar, IAS
Senior Special 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

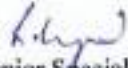
Sub: Monthly Progress Report – September,2021- October-2021.

Sir,

The undersigned is directed to send herewith the Monthly Performance Report(MPR) in the prescribed proforma for the months of September,2021- October-2021, for the State of West Bengal in respect of polluted river stretches in West Bengal.

This is for kind information and necessary action, please.

Yours faithfully


Senior Special Secretary
Department of Environment

National Mission for Clean Ganga
Monthly Progress Report in the NGT Matter O.A.No.673 of for the month of
September 2021 and October 2021
of 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 in Kolkata City and Treatment Capacity (in MLD): 31(474.69+910)
(1384.69 MLD)
 - b. No. of STPs under construction 10 (323.25 MLD)
 - c. No. of STPs under renovation 18(334.96 MLD)
 - d. No. of STPs under proposal/tender stage 21 (328 MLD)
- IV. Gap in Treatment Capacity in Urban area as on 31.03.2021. 2758-2381.9=376.1
- V. Capacity utilization of Existing STP (291+910) =1201 MLD
Sewage treated through Alternate technology at Jangipur drain(which is one of the identified 56 Polluted major drain) as an interim measure is included in the figure 2381.9 MLD (In other 55 drains which are within the tidal zone and therefore bio/phyto remediation as interim measure is not feasible and the same has been approved by CPCB) 8 MLD
- VI. Proposal for setting up of new STPs in 16 Ganga Towns and capacity augmentation of existing STPs, amounting to Rs. 2,885 crores under Namami Gange –II (2021-2023) have been sent to NMCG by PD SPMG on 4th February, 2021. This will create an additional capacity of 550MLD. Therefore, the GAP of 376.1 MLD will be adequately bridged by this 550MLD (Estimated Population – 2036). In addition to this, as per advice of NMCG, KMDA would construct one STP at Mayapur, Nabadwip, as Krishna Nagar-II STP. Work completed in all the 47 Outfalls; Chlorination Tanks are on the process of construction in upstream to charge disinfectant at recommended doses. Work is going on.
- VII. As per Hon'ble NGT directions given in OA No-673, River Karola in Jalpaiguri district was selected for development as a Model River, and the project has been successfully implemented, resulting in significantly reducing the pollution load in the river. **Annexure-I**

Work completed in all the 47 Outfalls; Chlorination Tanks are on the process of construction in upstream to charge disinfectant at recommended doses. Work is going on.

- VIII. A plan for the treatment of Liquid Waste of 1400 MLD generated in the rural area is being looked after by the Department of P&RD. The response from the Department is annexed in **Annexure-II**.
- IX. Information on management of Liquid Waste through East Kolkata Wetland, an internationally acclaimed technology maintained by Kolkata Municipal Corporation is annexed in **Annexure-III**. Moreover, Department of UD & MA has requested WBPCB for providing WQ data on the quality of water getting treated through this natural system on periodic intervals. A joint inspection has also been proposed by WBPCB along with KMC, Department of UD & MA, Department of Environment, PD SPMG will be held shortly. NMCG has also expressed its willingness to join this inspection.

Details of operational STPs in the State
EA=Executing Agency

No.	River/Coastal Stretch	EA	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Status of STP	Compliance Status of STP
1.	Ganga	KMDA	Jagaddal Bhatpara New	31.00	27.15	Fully operational Operation and Maintenance started since Sept.'2017, Sept.'2017, July'2018, July' 2018, July' 2018, July' 2018 and Sept.'2017 respectively.	Complied
2	Ganga	KMDA	Shyamnagar	10.00			Complied
3	Ganga	KMDA	Jagaddal Bhatpara old	9.50			Complied
4	Ganga	KMDA	Kankinara STP, Madrail, Bhatpara	10.00			Complied
5	Ganga	KMDA	STP Kalyani-I	11.00	19.94		Complied
6	Ganga	KMDA	STP Kalyani-II	10.00			Complied

8	Ganga	KMDA	Bansberia	0.30	0.30	Partially operational STP. Overall physical progress as on 31.10.2021 is 73% 1.Repairing & renovation of STP-75 % 2.Repairing & renovation of MPS (1nos) -25 % 3.Cleaning,Repairing& renovation of network-80%	Partially Complied Likely date of completion January 2022
9	Ganga	KMDA	Konnagar	22.00	12.00	Partially Operational. Overall physical progress (Civil work)as on 31.10.2021: 70%, Repairing & renovation of STP: 75%, Repairing & renovation of LS (4 nos.):~90% MPS (1 no):- 95% , Cleaning, Repairing & renovation of network-15%, Road restoration work :-30% Cleaning work is in progress	Partially Complied. Likely date of completion December, 2021.
10	Ganga	KMDA	Naihati	11.56	7.00	Partially functional and presently undergoing renovation to make it fully functional. Overall Physical Progress as on 31.10.2021 is: 72% 1.Repairing & renovation of STP-96% 2. Repairing & renovation of (1nos) and LS (1 no.)-95% 3.Cleaning,Repairing& renovation of network-52% 4. Repairing & renovation of Diversion structure-62%.	Partially Complied (STP Commissioning by January 2022)
11	Vidyadhari	KMC	Bangur	52	26	Operational	Complied

12	Ganga	KMC	Garden Reach	57	53.68	Operational	Complied
13	Ganga	KMC	Keorapukur	45	36	Operational	Complied
14	Vidyadhari	KMC	Baghajatin	15	14.25	Operational as oxidation pond	Complied
15	Vidyadhari	KMC	Hatisur	10	8	Operational	Complied
16	Ganga	PHED	Nabadwip Municipality Nadia	10	6.72	Operational	Partially complied
17	Ganga	PHED	Katwa Municipality, PurbaBurdwan	4.36	2.36	Operational	Partially Complied
18	Ganga	PHED	Diamond Harbour Municipality	2.03	0.2	Operational	Partially Complied
19	Ganga	PHED	Murshidabad Municipality	1.96	0.24	Operational	Partially Complied
20	Ganga	MED	JiagunjAzimgunj Takia Oxidation Pond	0.69	0.47	STP is partially operational approx 0.95MLD capacity being utilized. AA & FS for rejuvenation of	Partially Complied

21	Ganga	MED	JiagunjAzimgunj Takia Oxidation Pond	0.69	0.47	oxidation pond accorded on 14-06-2021, i) Work Order for Civil part issued on 12/08/2021. 30% progress achieved. Fund Required, RSP submitted. ii) For E/M part, 2 nd call invited & Technical evaluation under process.	Partially Complied
22	Vidyadhari	UDMA (SLRDC)	Kestopur	27.24	18	Operational Proposal for replacement of sludge pump and other components amounting approx.Rs.60 lakhsgiven, tender already matured. Work order given and work already started. Six pumps has reached the site and one is already installed. Other pumps are yet to be installed.	Partially Complied
23	Coastal	PHED	DighaSankarpur Development Area	6.7	3	Operational	Complied
24	Vidyadhari	PHED	New Town Kolkata (Action Area IIC)	31	15.4	Operational	Complied
25	Vidyadhari	PHED	New Town Kolkata (Action Area IIB)	14	2.1	Operational	Complied
26	Ganga	KMDA	Barrackpore	18.00	7	Overall physical progress achieved is 95.75%. STP-100%, Network – 96%, Pumping Stations-97%	O&M started with STP. Likely date of completion March 2022.
27	Ganga	KMDA	Barrackpore	6.00		Overall physical progress achieved is 95.75%. STP-100%, Network – 96%, Pumping Stations-97%	O&M started with STP. Likely date of completion March 2022.

28	Ganga	KMDA	Halisahar	16.00	3	Overall physical progress achieved is 97.05%. STP-100.00%, Network-99.3% (as per present scope), Pumping Stations-95.5%	O&M started with STP. Likely date of completion May 2022.
29	Ganga	KMDA	Budge-Budge	9.33	1.5	Overall physical progress achieved as on 31.10.2021 is 96.30%. STP-100%, Network-99.5%, Pumping Stations-93.0%.	O&M started with STP. Likely date of completion December 2021.
30	Vidyadhari	PHED	New Town, Rajarhat Action Area- IIID	24	Trial Run	100% Completed.	Fully Operational.
31	Vidyadhari	KMC	East Kolkata Wetlands	910	910		
Total				474.69 + 910 = 1384.69	253.59 + 910 = 1163.59		

N.B.: -STPs marked 'Partially Operational' are either complying as per old criteria or presently under consideration for Renovation/Rejuvenation.

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

No	River/ Coastal	E A	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Status of STP	Compliance Status of STP
1	Ganga	KMDA	Baidyabati	6.00	5.00	Overall physical progress as on 31.10.2021 is 69%. 1.Repairing & renovation of STP-72% 2.Repairing & renovation of Lifting station (2nos) &MPS (1 no)-40% 3.Cleaning,Repairin g& renovation of network-95%	Under Renovation. Likely date of completion January 2022
2	Ganga	KMDA	Bhadreswar	7.60	5.50	Overall physical progress as on 31.10.2021 is 65%. 1.Repairing & renovation of STP-70% 2.Repairing & renovation of MPS (1nos)&Lifting station (1nos) -28% 3.Cleaning,Repairin g& renovation of network- 90%	Under Renovation. Likely date of completion January 2022
3	Ganga	KMDA	Chandannagar , Khalisani, Chinsurah- Hooghly	18.16	14.50	Overall physical progress as on 31.10.2021 is 32% 1.Repairing & renovation of STP-35% 2.Repairing &	Renovation work under progress. Likely date of completion January 2022.

4	Ganga	KMDA	Chandannagar , Khalisani, Chinsurah- Hooghly	4.50	4.00	renovation of MPS (1nos) and LS (2no.)-35% 3.Cleaning,Repair ing&renovationof network- 0% 4. Repairing and renovation of Oxidation ponds alone with internal drains within S.T.P premise is in progress-70%	
5	Ganga	KMDA	Titagarh	4.50	4.0	Partially Operational STPs. Presently undergoing renovation to make it fully functional.	Under renovation (STP Commissioning by January 2022)
6	Ganga	KMDA	Titagarh	4.50	4.5	Overall Physical Progress as on 31.10.2021 is : 69% comprising 1.Repairing & renovation of STP-81 % 2.Repairing & renovation of MPS (1 nos) and LS (3 no.)-65% 3.Cleaning,Repair ing& renovation of network- 60% 4.Repairing & renovation of Diversion structure-76%.	(STP Commissioning by January 2022)

7	Ganga	KMDA	Bandipur (Khardaha)	14	-	Non-functional STPs but under Renovation. Overall physical progress as on 31.10.2021 : 26% comprising 1.Repairing & renovation of STP- 20% 2.Cleaning, Repairing & renovation of network- 40%	Under renovation Project is getting reviewed by PD, SPMG. Likely date of completion October, 2021
8	Ganga	KMDA	Champadani	1.00		This project has shifted from the Rejuvenation category to Augmentation category and 2nd call for the tender of DPR preparation (Augmentation of STP) is under process. Technical Bid and Financial Bid have been opened and the matter will go to DTC for final approval of the tender.	Under Renovation/Augmentation

9	Ganga	KMDA	Garulia	7.90	Non-functional and presently undergoing renovation to make it fully functional. Overall Physical Progress as on 31.10.2021 is : 87% comprising 1.Repairing & renovation of STP-86 % 2.Repairing & renovation of MPS (1 nos) and LS (1 no.)-92% 3. Repairing & Renovation of network- 85% 4.Repairing & renovation of Diversion structure-86%	Under Renovation. (STP Commissioning by January 2022)
10	Ganga	KMDA	Naihati	6.50	Non-functional and presently Undergoing renovation to make it fully functional. Overall physical progress as on 31.10.2021 :86% comprising 1.Repairing & renovation of STP-88% 2.Repairing & renovation of MPS (2nos)-94% 3.Repairing & renovation of network-50% 4.Repairing & renovation of Diversion structure-95%	Under Renovation. (STP Commissioning by January 2022)

11	Ganga	KMDA	Panihati	12.00	-	Non-functional and presently undergoing renovation to make it fully functional. Overall physical progress as on 31.10.2021 : 66% comprising Repairing & renovation of STP- 79% Repairing & renovation of MPS (1nos) and LS (3no.)-78% Repairing & renovation of network- 29%. Diversion Structure at P.B.Ghat -90%	Under Renovation. (STP Commissioning by January 2022)
12	Ganga	KMDA	Scrampore	18.60	-	This project has shifted from the Rejuvenation category to Augmentation category and 2nd call for the tender of DPR preparation (Augmentation of STP) is under process. Technical Bid and Financial Bid have been opened and the matter will go to DTC for final approval of the tender.	Under Renovation/Augmentation
13	Ganga	KMDA	Balli (Kona)-Kona, Chakpara (Anandana gargram Panchayet)	62.00	-	Overall physical progress as on 31.10.2021: Filling of land is under progress (90% completed). 1. Construction of site office is under progress. 2. 23 nos pile completed in this month	Under Renovation Likely date of completion Sept-2023.

14	Ganga	KMDA	Howrah-Arupara	65.00	-	Overall physical progress as on 31.10.2021: Pilling work is in progress • 1. 133 nos pile completed in this month. 2. Pile cap & tie beam work is under progress.	Under Renovation Sept-2023
15	Ganga	KMDA	Kamarhati - Baranagar -Kamarhati, Mathkol, near Belgachia Metro Car Shed	60.00	-	Overall physical progress as on 31.10.2021: 1. Dismantling work is in progress (100% completed). 2. 27 nos pile completed in this month. Total no of pile done upto October 2021 is 298	Under Renovation Sept-2023
16	Ganga	PHED	Berhampore Murshidabad	3.7	-	Non-Operational Discharge to nearby irrigation canal which is connected with Bhandardaha Bill (around 10km away).	Not Applicable
17	Mahananda	SJDA	Mahananda Left Bank, Siliguri	15	-	Non-Operational. Interim measures are in progress.	Not Complied
18	Mahananda	SJDA	Jorapani&Fuleswari River, Siliguri	24	-	Non-Operational. DPR has been vetted by KMDA.	Not Complied
			Total	334.96	37.5		

Details of under Construction STPs in the State

EA-Executing Agency

No.	River/Coastal Stretch	EA	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1.	Ganga	KMC	Joka	45	Physical progress: 23.5%. Piling work for SBR, CCT under progress.	The sewage network at the 03nos. STPs under KEIP is being developed under respective works. Trunk sewers are being laid. S&D network to be completed by 2023. Approximately Rs. 1700cr. For S&D works. Out of this, about 1300 cr. linked for development of the trunk S&D system within the catchment areas of the 3 STPs and remaining indirectly linked for the abatement of pollution to the River Ganga in other areas. Out of 1300 cr. about 510 cr. has been disbursed. Time line for balance work not within the present scope including uncovered areas to be finalized based on the time frame of implementation of future loan or from own resources of KMC. (ward 127, 142, part of 125,126,143 &144)	March 2022
2.	Ganga	KMC	M.G. Road	40	Physical progress: 21%. Piling work for SBR, CCT & Air Blower under progress and construction of chlorination room & boundary wall under progress.		March 2022

3.	Ganga	KMDA	Kanchrapara	18.00	Overall physical Progress achieved as on 31.10.2021 is 56%. 1] Renovation of existing sluice gate 3 nosis in progress. 2] Renovation of existing MPS - 70% 3] Construction of inlet chamber with Bar screen and gate-100% 4] Laying of Pipeline - 1.90 KM length of 600 mm dia pipe out of 2.5 KM executed till date. 5] Construction of 18 MLD capacity of STP - 59% 6] All vetted Civil design and drawing have been submitted and approved by the concerned authority.	Execution of I&D structure is under progress and there is no provision of house sewer connection in the scope of the work	February, 2022
4.	Dwarka	PHED	Tarapith	4.25	78%	Provision of only Institutional Connection (90%)	December 2021
5.	Vidyadhari	PHED	Ghusighata	167	0%	Study on Feasibility for setting up of STP along the course of the river is in progress.	May 2022
6.	Ganga	KMDA	Nabadwip	9.50	Overall physical progress achieved is 92%. 1] Construction of a new 9.5 MLD capacity STP- 90%	Execution of I&D structure is under progress and there is no provision of house sewer connection in the scope of the work	December 2021

7.	Ganga	KMDA	Baharampor e	3.50	Physical Progress till 31.10.2021 :3.38% Laying of HDPE(DWC) pipe of 405 m length done till date. The design work for setting up 3.5 MLD STP is under process. The land for setting up the STP has been identified and IDT is under process. The clearance for commencement of the work has been obtained to this end by the competent authority. The NOC for land for construction of 1 no. of Lifting Station has been given from Berhampore Municipality and land for 1 no. of Lifting Station not yet handed over to this end.	I&D structure work has not yet started and there is no provision of House sewer connection.	May, 2022
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08.	Ganga	KMDA	Raghunathg anj	5.00	Physical Progress till 31.10.2021 :22%.Construction of STP Physical progress-22%. i) SBR Basin: 76 nos. of pile have been driven. ii) Inlet Chamber: 34 nos. of pile have been driven. iii)MCC- Blower Room:construction upto Tie beam completed. Construction upto grade slab level is under process. iv) Centrifuge House of STP: construction work upto tie level completed. And grade slab level is under process. v) Chlorination Building : Construction up to tie beam completed. vi) MPS- 1no. The design and vetting 1 No. of MPS is completed. Network:Due non availability of suitable land,the proposed lifting Station -1 has been descope. Execution of Pipe line willbe done after resurvey & proposal for newnetwork alignment from the agency and NOC for plot of land for construction for LS1 was given on 18.09.2021.	I&D structure work has not yet started and there is no provision of House sewer connection.	May, 2022
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09.	Ganga	KMDA	Jangipur	8.00	Physical Progress upto 31.10.2021: 14.97% Construction of STP Physical progress-25%. i) SBR Basin: 127 nos. of pile has been driven. ii) Inlet Chamber: 27 nos. of pile has been driven. iii)MCC- Blower Room: construction upto Tie beam level. done. construction of machine foundation is completed and column up to grade slab level almost completed. iv) Centrifuge House of STP: up to tie beam level construction completed. Construction up to grade slab level is completed. v) Chlorination Building : Up to tie beam level - completed. Up to grade slab level also completed. vi) CCT room: Not started. vii) MPS- 1no. The design and vetting 1 No. of MPS is completed. Network: Laying of sewer line about 982 m completed till date . Manhole: 21%.	l&D work just started but there is no provision of House sewer connection in the scope of work.	May, 2022
10.	Ganga	KMC	Rania	23	Process & hydraulic design completed. Structural design under progress. 2 nos. test piles completed.	The sewage network at the 03nos. STPs under KEIIP is being developed under respective works. Trunk sewers are being laid. S&D network to be completed by 2023.	May 2023
	Total			323.25			

Details of proposed STPs in the State
EA-Executing Agency

No.	River/ Coastal	EA	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage /Under Tendering / Work to be Awarded)	Likely Date of Completion
1.	Ganga	KMC	Wireless Park	15.3	Tender process ongoing under Tolly's Nullah Rehabilitation Project. Technical Bid opened on 10/12/2020. Financial Bid Opened. Final Financial Bid Evaluation Report has been sent to NMCG for their consideration.	30 months for from date of contract agreement.
2.	Ganga	KMC	Sukhapukur	5.06		
3.	Ganga	KMC	Birji Road	5.7		
4.	Ganga	KMC	L.S.10	16	Proposed under Municipal Waste Water Project Budgetary estimate is of about Rs. 1551.37 Crore. Due to non issuance of AA&ES and fund, Executing Agency can not comply with the orders of Hon'ble NGT.	52 months from the date of issuance of work order.
5.	Ganga	KMC	Dhankheti Nikashi	25		
6.	Ganga	KMC	Bhanga Khal, Garden Reach	35		
7.	Vidyadhari	KMC	Borough-XII	70	To be finalized based on implementation of future loan or from own resources of KMC	Not yet finalized.
8.	Churni	KMDA	Sreenathpur	4	L.O.I. Issued on 25/10/2021	December, 2022
9.	Churni	KMDA	Chaitanyaghat	5.2		
10.	Churni	KMDA	Silver Jubilee Road	2.6		

11.	Ganga	KMDA	Maheshtala	35.00	Land handover is under process.	24 months from Financial closure
12.	Ganga	KMDA	Hooghly-Chinsurah	26.50	Nine Bidders participated in this tender. Technical evaluation is under progress.	18 months after Signing of contract.
13.	Ganga	KMDA	North-Barracpore	11.25	Final DPR already submitted to NMCG after Compliance of NMCG's observation.	
14.	Ganga	KMDA	North-Barracpore	6.5		
15.	Ganga	MED	Dhuliyar	5.68	The DPR has been awarded and it will be finalized soon.	
16.	Ganga	MED	Kalna	2.99	The DPR has been awarded and it will be finalized soon.	
17.	Ganga	MED	Santipur	16.60	The DPR has been awarded and it will be finalized soon.	
18.	Ganga	MED	Chakdah	5.06	The DPR has been awarded and it will be finalized soon.	
19.	Ganga	MED	Haldia	24.29	The DPR has been awarded and it will be finalized soon.	
20.	Ganga	MED	Raiganj	10.52	The DPR has been awarded and it will be finalized soon.	
Total				328		

Note:

1. Treatment through East Kolkata Wetland (EKW)

The City of Kolkata is surrounded by a huge low-lying marshy land & fisheries called East Kolkata Wetland (EKW) on the East which is fed by a number of water channels carrying and discharging City waste water (dry weather flow & storm water flow) in the Kulti-Vidyadhari river after natural treatment-sedimentation, oxidation.

The EKW is an urban facility for treating the city's waste water and for utilizing the treated water for pisciculture and agriculture, through recovery of waste water nutrients in an efficient manner. In the wetland to the east of Calcutta, wastewater is used in fisheries and agriculture covering an area of about 12,500 hectares which has been designated as conservation area and treating around 910 MLD of sewage. Department of UD & MA is drawing up the feasibility of establishing a Bio-Diversity Park in EKW along with SPMG.

1. In Burdhaman, the DPR for construction of FSTP has been sent to NMCG on 08.10.2021. Due to paucity of land STP cannot be built in Burdwan. The DPR is under review of NMCG.

2. For River Barakar & Damodar within Durgapur-Asansol Planning area under ADDA, Treatment Capacity of STP is calculated at 261.80 MLD (Projection for 5 years) DPR has been finalized and sent to NMCG for their observation and consideration. Land identified for 2 Pump Houses falling in ECL Land. ECL has been requested for giving the land for free of cost. Land parcel under DVC for the construction of STP has been identified and DVC Authorities have been approached for leasing out the identified land free of cost. The DPR has been sent to NMCG for their consideration.

IV. Details of Industrial Pollution:

No. of industries in the State (Red = 4002, Orange = 12916)	=16918
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 (4 modules each of 5 MLD)	=20 MLD
No. of industrial units connected to CETP	=345 Nos. tanneries
Capacity of under construction CETP (4 modules each of 5 MLD)	=20 MLD
Hazardous Sludge generation from Industries	=90 TPD

V. Solid Waste Management:

• Total number of Urban Local Bodies and their Population	125 (20905615)
• Current Municipal Solid Waste Generation	13709.412 (TPD)
• Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bio-methanation, MRF etc.	18 nos (1778 TPD)
• Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap >20%)	11930 TPD
• No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	Setting up of one plant of capacity 1000 TPD is in progress.
• Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source	2645 wards (90%) 588 wards (20%)
• Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Cluster-1 Project. At Promodnagar site. 450 TPD CP & RDF, 100 TPD biomethanation plant. At Kamarhati 180 TPD CP&RDF.
• No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.	107 nos for 92 ULBs (754.21 acre)
• No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	1 (3.2 acre) Naihati
• No. of drains falling into rivers and no. of drains having floating racks/ screens installed to prevent solid waste from falling into the rivers	402 (400) (In rest 2 no. of drains, screen installation is not technically feasible, bio-remediation & phyto-remediation measures undertaken))

Status of ULB wise Management of Solid Waste

Sl. No.	Name of ULBs	Total MSW generation in TPD	Total MSW being Processed in TPD	Existing MSW Facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
1	Alipurduar	35.65				Setting up of Compost Plant (CP) / Bio methanation / Material Recovery Facility (MRF) / Sanitary Landfill
2	Arambagh	30.25				
3	Asansol MC	654				
4	Ashoknagar-K_garh	79.65				
5	Baduria	13.62				
6	Baidyabati	68	48	CP	48	
7	Balurghat	75				

8	Bankura	75				(SLF) as per SWM Rules, 2016 are in progress and expected completion timeline is December, 2021
9	Bansberia	39				
10	Baranagar	150				
11	Barasat	130				
12	Barddhaman	140				
13	Barrackpore	50				
14	Baruipur	17				
15	Basirhat	29				
16	Beldanga	17.75				
17	Berhampore	90				
18	Bhadreswar	23				
19	Bhatpara	205	78	CP	78	
20	Bidhan Nagar MC	400				
21	Birnagar	16.77				
22	Bishnupur	59.2				
23	Bolpur	45.44				
24	Bongaon	65				
25	Budge Budge	40				
26	Buniadpur	30				
27	Chakdah	54.12				
28	Champdany	19	19	CP	19	
29	Chandannagore MC	55.5				
30	Chandrakona	7.8				
31	Contai	45				
32	Cooch Behar	45.69				
33	Cooper's Camp	13.86				
34	Dainhat	48.51				
35	Dalkhola	8.22				
36	Dankuni	25				
37	Darjeeling	55.11				
38	Dhulian	46.42				
39	Dhupguri	11				
40	Diamond Harbour	18				Setting up of Compost Plant (CP) / Bio methanation / Material Recovery Facility (MRF) / Sanitary Landfill (SLF) as per SWM Rules, 2016 are in progress and expected completion timeline is December, 2021
41	Dinhata	20				
42	Domkal	100				
43	Dubrajpur	47.87				
44	Dum Dum	62.1				
45	Durgapur MC	402.63				
46	Egra	19				
47	English Bazar	190				
48	Gangarampore	30.56				
49	Garulia	35				
50	Gayeshpur	60				
51	Ghatal	26.52				
52	Gobardanga	17.7				
53	Gushkara	26				

54	Habra	72				
55	Haldia	80	70	CP + MRF	70	
56	Haldibari	4				
57	Halisahar	52				
58	Haringhata	0.01				
59	Hooghly Chinsurah	80				
60	Howrah MC	910	60	CP	60	
61	Islampur	21.73				
62	Jainagar-Mazilpur	18	6.2	WTE	6.2	
63	Jalpaiguri	55				
64	Jangipur	40				
65	Jhalda	7.56				
66	Jhargram	44				
67	Jiaganj-Azimganj	20.53	3	MRF	3	
68	Kaliaganj	59				
69	Kalimpong	38.085	16	MRF+ BM	16	
70	Kalna	27.72				
71	Kalyani	58				
72	Kamarhati	160				
73	Kanchrapara	56.71				
74	Kandi	25.34				
75	Katwa	40				
76	Kharagpur	114.6				
77	Kharar	4.1	77			Setting up of Compost Plant (CP) / Bio methanation / Material Recovery Facility (MRF) / Sanitary Landfill (SLF) as per SWM Rules, 2016 are in progress and expected completion timeline is December, 2021
78	Khardah	64.5	78			
79	Khirpai	5.92	79			
80	Kolkata MC	4500	1207.7	CP + MRF	1207.7	
81	Konnagar	32	5.5	CP + MRF	5.5	
82	Krishnanagar	130	130	CP	130	
83	Kurseong	11				
84	Madhyamgram	58				
85	Maheshtala	184	8.2	CP	8.2	
86	Mal	14	0.5	CP	0.5	
87	Mathabhanga	9.79				
88	Mekliganj	4.69				
89	Memari	14.53				
90	Midnapore	87.3				
91	Mirik	4.2				
92	Murshidabad	30				

93	Nabadwip	53.98				Setting up of Compost Plant (CP) / Bio-methanation / Material Recovery Facility (MRF) / Sanitary Landfill (SLF) as per SWM Rules, 2016 are in progress and expected completion timeline is December, 2021
94	Naihati	100				
95	Nalhati	32				
96	New Barrackpore	29.8				
97	North Barrackpore	59				
98	North Dum Dum	165				
99	Old Malda	27.13				
100	Panihati	193				
101	Panskura	24.18				
102	Pujali	15.6				
103	Purulia	60.6				
104	Raghunathpur	11.43				
105	Raiganj	90				
106	Rajpur-Sonarpur	170	1.1	MRF +BM	1.1	
107	Ramjibanpur	7.55				
108	Rampurhat	105				
109	Ranaghat	25.89				
110	Rishra	50	5	CP	5	
111	Sainthia	32				
112	Santipur	65.22				
113	Serampore	90	10	CP	10	
114	Siliguri MC	380	70	CP	70	
115	Sonamukhi	11.7				
116	South Dum Dum	372				
117	Suri	60				
118	Taherpur	0.45				
119	Taki	21.75				
120	Tamralipta	15				
121	Tarakeswar	13.16				
122	Titagarh	65				
123	Tufanganj	14.23				
124	Uluberia	50				
125	UttarparaKotrung	90.66	40	CP + MRF	40	
TOTAL		13708.58	1778.2	Total	1778.2	
L		5				

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

VI. 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.

VII. 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.

VIII. Plastic Waste Management:

- Total Plastic Waste generation: around 300236.12 MT/Year (approx)
- Treatment / Measures adopted for reduction or management of plastic waste:
Recycling of waste plastic (process involves waste plastic collection sorting, cleaning (Washing & Drying) extruder, lump / granules, pack & dispatch).
- Measures taken for plastic waste reduction:
 1. **UD & MA Department, GoWB has framed a bye-law with respect to Plastic Waste Management (Notification No: 215(Law) /C-12/NGT/Misc – 11/2020 dated 20/3/2020). The same has been uploaded in the Official Website of the Department:**
http://www.wburbanservices.gov.in/page/cms/ngt_notification_0758e6
 2. **Plastic carry bags are totally banned in the ecologically sensitive areas and 40 heritage / tourist sites of West Bengal 77 municipalities have banned the manufacturing, use and sale of plastic carry bags of thickness less than 50 micron and 18 municipalities banned use of single use plastic. Workshops carried out to generate awareness among different plastic waste generator and initiative taken to promote eco-friendly products as an alternative to plastic.**

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

River name	Polluting drain	In-situ treatment details	MLD treated
Ganga	Jangipur	Bio/Phyto remediation treatment process as interim measure 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
Churni	Basko Canal	Bio/Phyto remediation treatment process as interim measure was taken up for Basko Canal but due disposal of sewage by some other drains and local habitants at furthest downstream point of the drain the required effluent quality was not satisfactory.	4.28
	Sreenath pur Drain	Bio/Phyto remediation treatment process as interim measure taken up for Sreenathpur Drain. Chemical dosing, desilting etc. has been taken up periodically and as per the test result data it is apprehended the desired test result for waste water may be achieved with the present treatment process.	2.79
Proposed Alternate Treatment Technology to be adapted			
River name	Nos. of polluting drains	Proposed In-situ treatment details	MLD to be treated
Kansi	2	Primary Treatment for Midnapore for river Kansi by providing screens, sedimentation tank, followed by disinfection by chlorination at out falls of 2 nos. of drains (although 26 nos. of drains are very small out of 28 nos. identified) is proposed. Work started, 100% physical progress achieved.	21.41
Mayurakshi	14	Primary Treatment for river Mayurakshi for town Suri & Sainthia is done by providing screens, aeration followed by disinfection by chlorination at out falls of 12 nos. of drains at Suri and 14 nos. at Sainthia is proposed. For Suri-Work not started yet due to land issue. For Sainthia- work started, 60% progress achieved.	Suri 4.04 Sainthia- 2.68
Rupnarayan	4	Primary treatment for river Rupnarayan for town Tamluk by providing screens, sedimentation tank followed by disinfection by chlorination at out falls of 4 nos. of drains is proposed. Work started, 50% physical progress achieved. Note-Some outfall structures require modification	8.37

Jalangi	8	Primary treatment for river Jalangi for town Krishnanagar by providing screens, aeration followed by disinfection through chlorination at 8 no. of outfalls progressing well. 100% works completed.	17.45
Silabati	4	Primary treatment for river Silabati for the town Ghatal by providing screens, sedimentation tanks followed by disinfection through chlorination at 4 no. of outfalls. 100% physical progress achieved.	3.80
Dwarekeswar	13	treatment of river Dwarakeshwar by providing screens, sedimentation tanks followed by disinfection through chlorination at 13 no. of outfalls. 75% physical progress achieved. Death of agency personnel has delayed the progress. ii) For O&M part tender will be invited by the ULB shortly.	15.10
Kaljani	18	Primary treatment for river Kaljani for the town Alipurduar by providing screens, sedimentation tanks followed by disinfection through chlorination at 18 no. of outfalls is proposed. 99% physical progress achieved. One outfall work stopped due to local issue, will be resolved with the intervention of the ULB. ii) For O&M part work order issued & work in progress.	9.33
Korala	47	Primary treatment for Jalpaiguri for river karola by providing screens and aeration arrangement followed by disinfection by chlorination at out falls of 47 nos. of drains is proposed. 100% physical progress achieved. Note- For O&M part work in progress & applied for fund through RSP.	12.81
Ganga	21	Pls refer the note given below:	

X. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment:

- CPCB has identified 56 major channels which carry most of the polluted Sewage to River Ganga. We are taking time-bound steps for connecting them to STPs (existing STPS as well as proposed ones under tendering). However, there are 22 drains which pose a challenge in terms of technical Feasibility. Department of UD & MA has submitted a Status Report as on 31st March 2021 in respect of these 22 numbers of drains to CPCB. (pls refer to Annexure- J and K)

- As per NGT's orders, in respect of the Jangipur Canal, bio-phyto remediation has been initiated successfully, as an interim measure from July 2020.

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

- Additional Chief Secretary, Department of Environment, Govt. of West Bengal

XII Details of meetings carried under the Chairmanship Chief of Secretary in the State /UT:

Last meeting of the Environment Monitoring Cell under the chairmanship of Additional Chief Secretary Environment Department was held on 10.03.2021.

Water Quality of Polluted River Stretches of 17 rivers in West Bengal during August 2021

Prio rity	River	Stations	BOD (mg/l)	DO (mg/l)	Fecal Coliform (MPN/ 100ml)	Fecal Strepto cocci (MPN/ 100ml)	pH
I	Vidyadhari	Haroa Bridge (Upstream)	9.64	0.8	33000	170	7.27
	Vidyadhari	Malancha (Downstream)	13.12	0.9	23000	210	7.37
II	Mahananda	Siliguri (Upstream)	1.20	6.9	3000	17	6.50
	Mahananda	Ramghat (Downstream)	18.00	6.0	110000	130	7.40
III	Ganga	Tribeni	2.90	7.0	170000	1400	7.77
	Ganga	Palta	2.15	6.9	23000	330	7.54
	Ganga	PaltaShitalatala	2.40	6.6	70000	490	7.72
	Ganga	Serampore	2.95	7.1	49000	1300	7.53
	Ganga	Dakshineswar	1.80	5.9	33000	1400	7.65
	Ganga	Garden Reach	2.50	5.6	49000	1700	7.52
	Ganga	Howrah-Shibpur	3.60	6.8	170000	1700	7.58
	Ganga	Uluberia	2.45	5.8	23000	1100	7.52
	Ganga	Durgachak near Pathikhali	2.10	5.2	79000	350	7.62
	Ganga	Diamond Harbour	1.75	5.2	79000	260	7.05
	Churni	Downstream of Ranaghat Town	1.70	5.3	49000	230	7.47
	Churni	Majhdia	1.75	5.0	46000	210	7.10
	Dwarka	Upstream of Tarapith at Sadhak Bamdeb Ghat	1.80	7.4	4900	13	7.43
IV	Dwarka	Downstream of Tarapith, Satighat	2.25	7.2	22000	17	7.46
	Damodar	Dishergarh Village	1.95	7.6	3900	43	7.51
	Damodar	Downstream of IISCO	2.15	7.5	3100	24	7.63
	Damodar	Narainpur	2.45	7.4	3300	17	7.69
	Damodar	Near Mujher Mana Village	3.85	6.8	4900	17	7.15
	Damodar	Andal Upstream	1.75	7.5	4100	13	7.39
	Damodar	Andal Downstream	1.75	7.5	4700	15	7.52
	Damodar	Asansol Upstream	2.05	7.7	3100	22	7.57
	Damodar	Durgapur Upstream	2.15	7.5	3400	22	7.73
	Damodar	Raniganj Downstream	2.35	7.6	7900	17	7.26
	Damodar	Water Intake Point for Burdwan Town	2.05	7.8	3900	13	7.28
	Damodar	Dishergarh Village	1.75	7.5	4700	15	7.52

Water Quality of Polluted River Stretches of 17 rivers in West Bengal during August 2021

Prio rity	River	Stations	BOD (mg/l)	DO (mg/l)	Fecal Coliform (MPN/ 100ml)	Fecal Strepto cocci (MPN/ 100ml)	pH
IV	Kansi	Downstream at Midnapore	2.75	7.4	4600	92	6.84
IV	Jalangi	Downstream of Krishnanagar	2.90	5.9	22000	790	7.58
IV	Mathabhanga	Gobindapur	3.17	4.3	13000	1100	7.78
V	Barakar	Asansol	2.25	7.6	2500	24	7.73
V	Silabati	Ghatal (Downstream)	2.10	6.3	6300	120	6.72
V	Rupnarayan	Geonkhali	1.95	5.4	3300	78	7.02
	Rupnarayan	Kolaghat (Downstream)	1.90	5.7	4600	130	6.26
V	Dwarkeswar	Bankura Town	2.30	7.7	4100	22	7.38
V	Mayurakshi	Suri Town	1.75	7.5	1300	8	7.26
V	Kaljani	Downstream of Alipurduar	1.80	6.9	2100	11	7.02
V	Karola	Downstream of Jalpaiguri	1.10	7.2	2300	11	6.92
V	Teesta	At Jalpesh	1.20	6.8	2200	9	6.90
	Teesta	At Sevoke	1.20	6.9	800	12	7.20
Primary Water Quality Criteria for Bathing Waters			3.0 mg/l or less	5.0 mg/l or more	Less than 2500 MPN/100 ml	Less than 500 MPN/10 0 ml	6.5 to 8.5

XIII 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). 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. All are "safe" categorized block along polluted stretches of Dwarka & Mathabhangha River except the following Block. • Dwarka River Stretch: <i>Semi-Critical- Rampurhat-II (Birbhum Dist)</i> • Mathabhangha river stretch: <i>Semi-Critical- Deganga (North 24 Parganas dist.)</i> • Periodic groundwater sampling for its Physio-chemical tests is done twice a year (April & Nov).
Damodar	• Water meter without telemetry system is installed at industrial tube well permitted by SWID. • Groundwater Resources Estimation and Assessment is done as per GEC'97 guidelines.
Barakar	• Groundwater level (GWL) monitoring is done periodically four times a year (Jan, April, Aug & Nov). GWL database for Aug'20 (monsoon) has been generated. • All are "safe" categorized blocks along polluted stretch of Damodar and Barakar river. • Groundwater sampling for its Physio-chemical tests is done twice a year (April & Nov).
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: GW Level database for Jan'20, April'20, Aug'20, Nov'20 & Jan'21 against 136 GW monitoring stations under the blocks along polluted stretch of River Ganga has been generated. GWL monitoring for the month of April'21 is continued. GW Monitoring Stations (136) = 92 (Manual) + 44 (Real-Time) Chemical test for GW samples collected during April'20 completed and the same for Nov'20 (post-monsoon) is continued.
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: GW Level database for Jan'20, April'20, Aug'20, Nov'20 & Jan'21 against 52 GW monitoring stations under the blocks along polluted stretch of River Churni has been generated. GWL monitoring for the month of April'21 is continued. GW Monitoring Stations (52) = 42 (Manual) + 10 (Real-Time) Physio-Chemical test for GW samples collected during April'20 is completed and the same for Nov'20 (post-monsoon) is continued.
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.
Mayurakshi	
Rupnarayan	
Jalongi	

	- 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. - All are "safe" categorized block along polluted stretches of Kansi, Mayurakshi, Rupnarayan, Jalangi River except the following Blocks. ✓ Kansi River Stretch: Semi-Critical- Keshpur, Debra (PaschimMedinipurDist) Critical- Panshkura (PurbaMedinipurDist) ✓ Mayurakshi River Stretch: Semi-Critical- Suti-I (MurshidabadDist), Labhpur (BirbhumDist) ✓ Jalangi River Stretch: Semi-Critical- Berhampur, Nowda (MurshidabadDist), Tehatta-II, Chapra (Nadia Dist) Critical- 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).
Silabai Dwarekeswar Kaljani Karola	- 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. - All are "safe" categorized block along polluted stretches of Silabati, Darakeswar, Kaljani and Karala River. - Groundwater sampling for its Physio-chemical tests is done twice a year (April & Nov).
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). 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. 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).

XIV Good irrigation practices being adopted by the State:

River	Stretch of the river	Good irrigation practices
Dwarka	Tarapith to SadhakBamdebGhat	A command area of 6735 ha in Rampurhat-II block is irrigated by the canal system of Mayurakshi barrage project belonging to I&W Department. At present a major canal renovation work of the Mayurakshi Reservoir Project for a total length of 67 km. is going on since 2018-19 which inter alia includes the canal system of length of 19 km in Rampurhat-II block.
Ganga	Tribeni to Diamond Harbour	By diverting tidal water through the sluices on the bank of the river irrigation is provided at (a)Mograhat-I & II, Mandirbazar,Diamonharbour-I & II through Diamond Harbour Canal system (1500 ha), at Budge Budge-I & II blocks, Bishnupur-I & II blocks through Charial Canal (1580 ha) Uluberia, Shyampur, Bagnan-I and Bagnan-II blocks. Through Rajapur Canal, Purana canal, Chandanpara canal and Nakal canal (1500 ha). Repair of sluices and canal system are taken up as and when required.
Kansi	Midnapore to Ramnagar	Irrigation is provided at Kharagpur-II and Debra blocks through Medinipur Main Canal System originating from MedinipurAnicut. This canal system along with Medinipur structure has been rehabilitated recently which also includes the canal system in Medinipur,Kharagpur- I and Debra blocks. As a result irrigation has been started in these areas after a decade.
Dwarekeswar	Along Bankura	Irrigation is provided in Onda block from the canal system of Kangsabati 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.

XV 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	Hanskali- 5 (existing)

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

XVI

Department of Environment has received a Report on demarcation of Flood Plain Zone of West Bengal on 28th June 2021. The report has been prepared by the Department of Geography, University of Calcutta. Actions will be taken after thorough study and review of the report.

XVII

River	Demarcation of flood plain, removal of illegal encroachments from embankments and protection and management of flood
Vidyadhari	There is no illegal encroachment on the river embankments. Total 2.60 km bank protection works amounting Rs.14.40 Crore will be taken up at right bank of river Vidyadhari during 2020-21.
Mahananda	There is no embankment on either side of the river in this stretch. Bank protection works are taken up as and when required to protect the adjoining areas. 1.40 km bank protection work amounting Rs. 3.58 Crore is already completed by which 18900 people under 112 Ha areas may be benefitted. 3.00 km bank protection work amounting Rs.7.64 Crore will be taken up during 2020-21, by which 32000 people under 465 Ha areas may be benefitted.
Churni	There is no embankment on either side of the river in this stretch. Bank protection works are taken up as and when required to protect the adjoining areas. 0.5 km bank protection work of Rs. 1.88 Crore will be taken up during 2020-21, by which 2000 people in 98 Ha of areas may be benefitted.
Dwarka	There is no embankment on either side of the river in this stretch. For this stretch, Bank protection works are being taken by Tarapith-Rampurhat Development Authority (TRDA).
Ganga	There is no illegal encroachment on the river embankments. In left bank, 0.135 km bank protection work of Rs. 2.61 Crore is under running and 1.045 km bank protection work of Rs.11.17 Crore will be taken during 2020-21. In right bank, 0.900 km bank protection work of Rs. 6.21 Crore will be executed during 2020-21.
Damodar	There is no embankment on either side of the river in this stretch. Bank protection works are taken up as and when required to protect the adjoining areas. At present there is no such requirement of taking up anti erosion work in this stretch of river.
Jalangi	There is no embankment on either side of the river in this stretch. Bank protection works are taken up as and when required to protect the adjoining areas. 1.05 km bank protection work of Rs. 3.15 Crore is under progress, by which 3500 people under 205 Ha areas may be benefitted.

Kansi	There is no illegal encroachment on the river embankments. 1.5 km bank protection work of Rs. 3.62 Crore is already completed by which 13800 people under 700Ha areas may be benefitted.
Mathabhanga	There is no embankment on either side of the river in this stretch. Bank protection works are taken up as and when required to protect the adjoining areas. At present, there is no such vulnerable zone noticed in this stretch. However, protection work will be taken up as & when required.
Barakar	There is no embankment on either side of the river in this stretch. Bank protection works are taken up as and when required to protect the adjoining areas. At present, there is no such vulnerable zone noticed in this stretch. However, protection work will be taken up as & when required.
Dwarekeswar	There is no embankment on either side of the river in this stretch. Bank protection works are taken up as and when required to protect the adjoining areas. A bank protection work of length 300 m of amounting Rs. 0.87 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.
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. 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.

XVIII Maintaining minimum e-flow of river:

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

XIX Plantation activities along the rivers:

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

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

XX Development of Bio-Diversity park:

River	Number of biodiversity parks	Status of the biodiversity parks
Vidyadhari	4 nos. (Haroa : 3 nos; Minakhan: 1 nos)	Ongoing projects
Churni	1 no.	Ongoing project
Jalongi	3 nos.	Ongoing projects
Kansi	6 nos. (Chandrakonall : 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.

XXI Reuse of Treated Water: The Department of UD & MA has already framed a Policy on The Re-Use of Treated Water & notified it on 30th June 2020. The same has been uploaded in the Official Website of the Department.

http://www.whurbanservices.gov.in/page/cms/ngt_policy_ac3077

Department has identified Kalyani Town as a Model for re-use of the treated water generated at the Kalyani STP under KMDA. KMDA is preparing DPR in house for reusing the treated water for cleaning of Stadium, Gardening & use by Kalyani Krishi Viswa Vidyalaya. The DPRs are in progress & would be finalized soon.

Department of UD & MA has constituted one Liquid Waste Management Committee

under the chairmanship of Special Secretary of the Department for smooth & efficient monitoring. The Committee sits every fortnightly & reviews the progress done in each month.

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

River Karola (P-V) has been identified as the model river and the work is in progress at site. Cleaning of drains, cutting of bushes has been complete. The work is completed, disinfection process is going on.

XXIII Status of Preparation of Action Plan by the 13 Coastal States: Action Plan for Digha Coastal town has been prepared.

XXIV Regulation of Mining Activities in the State /UT:

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

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

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

Monitoring and Supervision of Pollution Abatement Measures taken in the River stretches

The Department of UD & MA is closely monitoring the work of pollution abatement in river Ganga and other Polluted River 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. Two such Review Meetings were held under the Chairmanship of Principal Secretary UD & MA on 21.09.2021 and 29.10.2021 (Minutes enclosed in **Annexure- A and B**) The Department has closely reviewed some of the long pending Projects on river Ganga, the updated Status of which is given in this Report.

❖ Hooghly -Chinsurah I&D and STP Project:

Name of the Project: Development of Interception and Diversion Network and STP with Waste Water Treatment Facility on a "Design-Build-Operation-Transfer" (DBOT) Model for Hooghly – Chinsurah Municipal Area in Hooghly District, West Bengal with 15 Years Operation & Maintenance Period under NamamiGangeProgramme.

Project Cost: Rs. 154.73 Crores.

- The Administrative Approval & Expenditure Sanction (AA &ES) from NMCG vide memo no. F. No. T-15/2013-14/354/NMCG Dated 28th May, 2020.
- A draft 'e'-NIT and Bid Document had been prepared and sent to NMCG for their observations on 13th October, 2020.
- After reviewing the draft NIT & Bid document, NMCG has made some observations and approved the same on 13.11.2020
- Final 'e'-NIT both abridged and detailed after incorporation of the observations from NMCG have been prepared and invitation of e-tender vide newspaper publication and vide assigned web portal on 23.11.2020.
- Due to non-availability of land, the tender was extended in 3 times and the last date of bid submission was 17.02.2021.
- The Department has already found out an alternative land for this STP project at Taldanga. The site has around 60 trees which have been uprooted and planting of saplings is under process. LOI has been issued on 17.12.2021 by KMDA.

❖ TollyNullah

* Tender was Published 1st time on 27th Apr 2018 in HAM PPP model.

*Again keeping in view the failure of 1st time Tender the Bid document was amended time and again for 14 times up to 10/12/2020, as per the directives of NMCG, upon request on behalf of the prospective bidders, so as to make the Bid Successful. And finally the Bid was opened on 10/12/2020 with single Bid i.e. by "EMS-TCPL-VVIP JV"

***The final Technical Bid Evaluation Report has been submitted to the World Bank along with the observation of NMCG on 25.08.2021. The Bank has given NOC for opening up of financial bid. Accordingly Financial Bid has been opened, and the Bid evaluation has been submitted to NMCG for their consideration.**

*As interim measures, the following activities have been under taken by KMC in Tolly'sNullah from the State fund of GoWB:

Interim measures taken up by K.M.C.

- ❖ KMC has constructed 77 nos. of Community Sanitary Latrines, demolishing the make shift toilets amounting to an expenditure of approximately Rs. 87 lakhs.
- ❖ All the khatahs along the banks of Tolly'sNullah (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
- Wardno. 73, Balaram Bose Ghat

❖ KMC has carried out Awareness Campaigns on Regular basis.It has placed the Banner in Bengali language across the major Ghats of Tolly'sNullah (Adi-Ganga) to make the people aware.

❖ KMC has carried out urgent re excavation/dredging at most polluted stretch of the upstream of Tolly'sNullah (Adi-Ganga) i.e. nearly 4.6 km, amounting to an expenditure of approximately Rs.1.3 crores.

❖ It has already prepared estimate for Dredging of Tolly'sNullah (Adi-Ganga) from confluence point of Ganga to Chetla Bridge, amounting to Rs11.16 cr.The Tender has been opened & 4 Bidders participated,Technical Bid Evaluation is going on. Finance Department has given AAFS for this work in a phased manner for three years. Work Order for dredging this stretch is going to be issued soon.

❖ It has engaged one Consultant for preparation of DPR for "Detail Survey for Dredging and to ascertain proposed beautification of Tolly'sNullah (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.

❖ **Rehabilitation of Keorapukur& Garden Reach STP:**

❖ NMCG has sanctioned the project on 05.03.2018 amounting to Rs. 165.16 Crores. State Government is revising the scope. KMC, the Executing Agency for 'Condition Assessment' of the STP of Keorapukur and Garden Reach has deployed one Agency. The Agency has submitted the Assessment Report along with DPR showing the revised cost at Rs. 250 crores. Proposal forgranting permission for switching over of the Project from HAM model to DBOT model along with the DPR has already been sent to NMCG on 23.04.2021 for their consideration . NMCG has given some observations regarding the Project and the replies have already been sent to NMCG for their consideration on 8.09.2021.

❖ **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 KM ²
No of ward served	: - 35 Nos
Population served	: - 4, 10,524 (2011 Census)

Components:-

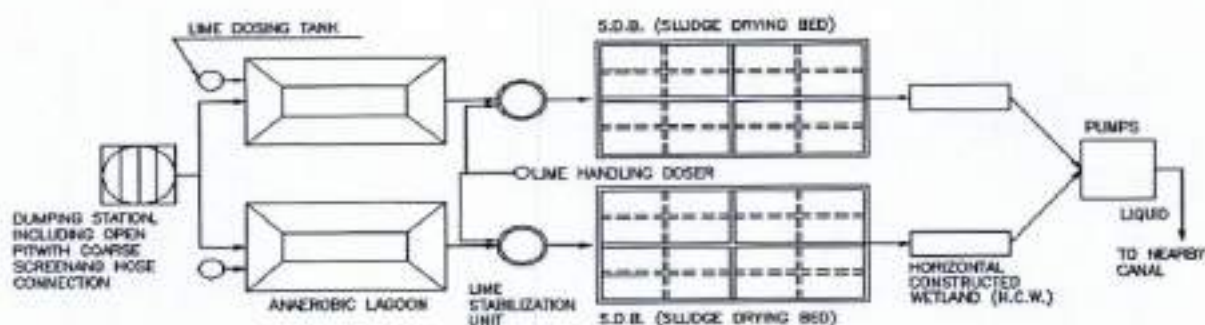
1. Construction of 30 KLD Septage Treatment Plant.

2. Augmentation & Refurbishment of existing Cesspool/Night soil chamber.
3. Construction of approach road.
4. Supply of Cesspool.

Process of Septage Treatment Plant:-

1. The night soil of the municipal area is collected from house to house night soil chamber by cesspool & brought to the treatment plant & dumped in the Dumping Station which then passes through to the Anaerobic Lagoon to the Lime Stabilization unit. After lime stabilization the matter is sent to the Sludge drying bed. The controlled effluent is sent to the outlet for final discharge.

The flow diagram of STP is as follows:



- ✓ Another 30KLD Septage treatment plant for North Dum Dum and Baranagar Municipalities is under constructional stage.
- ✓ DPR for construction of FSTPs in Burdwan falling under Ganga basin have been internally prepared by KMDA and have already been sent to NMCG for approval.

❖ 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 2021 is enclosed in **Annexure-B**).

❖ 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 Sahaj path 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.

- **Inspection at newly built Ghats along River Ganga at Garulia.**

A Joint Inspection cum Meeting was held at Garulia by Joint Secretary LWM Cell on 27.07.2021. It was decided that EPIL would construct Toilet and Change room in the ghats and finish the remaining work of balance two ghat at an early date. Accordingly, the construction was completed and two Ghats of Garulia namely Thakurbari Ghat and Rashiklaldhar Ghat were handed over to the Municipality on 05.08.2021. The MOM and the Photographs are enclosed.

❖ **Mechanism of Online monitoring**

* As per the mandate of Hon'ble NGT, OCEMS are to be installed in all the STPs of the State. To expedite the matter, Department of UD & MA has constituted a Technical Committee for speedy and smooth installation of OCEMS under the Chairmanship of CEO KMDA vide Order no-574-UD-KMDA-33099-1-2021-EM dated 23.02.2021. The committee would henceforth look after this matter and would update UD & MA from time to time regarding the progress. The Committee is represented by the Officials of KMDA, KMC and MED.

* KMDA has invited 2nd call and two bidders qualified. Technical bid evaluation is complete and financial bid evaluation is going on.

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.

* CPCB has developed a mobile app 'STP Monitoring app' where the static and dynamic data of all the STPs are getting digitized. So far 12 STPs have been digitized through this app.

Special Mentions:

1. **NMCG has given 'In-Principle' approval for preparation of DPRs for 11 towns covering some major polluted drains on 16.09.2021. KMDA has already taken necessary steps for preparation of DPRs accordingly. NMCG has also sanctioned an amount of Rs. 90.05 Lakhs for this purpose. (Refer, Annexure-D)**
2. **AAFS has been given by the Department of UD & MA for Renovation and Rejuvenation of Pumping Stations of STP of Jiaganj-Azimganj on 14.06.2021 for Rs.225.4848 Lakhs. E tender has already been floated by the Municipality. Tender has been matured and work order has been given under UID SSMT mode. 50% of the physical progress of the work achieved.**

3. **STP of Budge Budge, Hali Shahar, Barrackpore and Newtown-Rajarhat Action Area-III** have successfully completing their 'Trial Run'. Please refer to Annexure-M for Photographs of Barrackpore STP.
4. **STPs at Nabadwip and Kanchrapara** is on the verge of completion and is expected to start its Trial Run from December 2021.
5. **A Detailed Action Plan** has been prepared for combating Pollution in Vidyadhari River (P-I Category). Work is going on as per the Action Plan. (pls refer to Annexure-I).
6. **NMCG** has given approval for construction of a 27 MLD STP amounting Rs. 241 crores under HAM in North Barrackpore. Due process has already been initiated

Details of important Annexure:

Annexure-I: River Karola

Annexure-II: Note on P & RD

Annexure-III: Note on EKW

Annexure-A: MOM Principal Secretary dated 21.09.2021.

Annexure-B: MOM Principal Secretary dated 29.10.2021

Annexure-C: Site Inspection Report by KMDA for October 2021.

Annexure-D: NMCG Approval of DPRs for 11 Towns

Annexure-E: ODF Status SUDA

**Annexure-F: Cumulative Progress Report of Rivers for Aug, 21Agriculture
Department**

Annexure-G: Report from Forest Department

Annexure-H: Progress Report - October, 2021_SUDA

Annexure-I: Note on Bidyadhari River

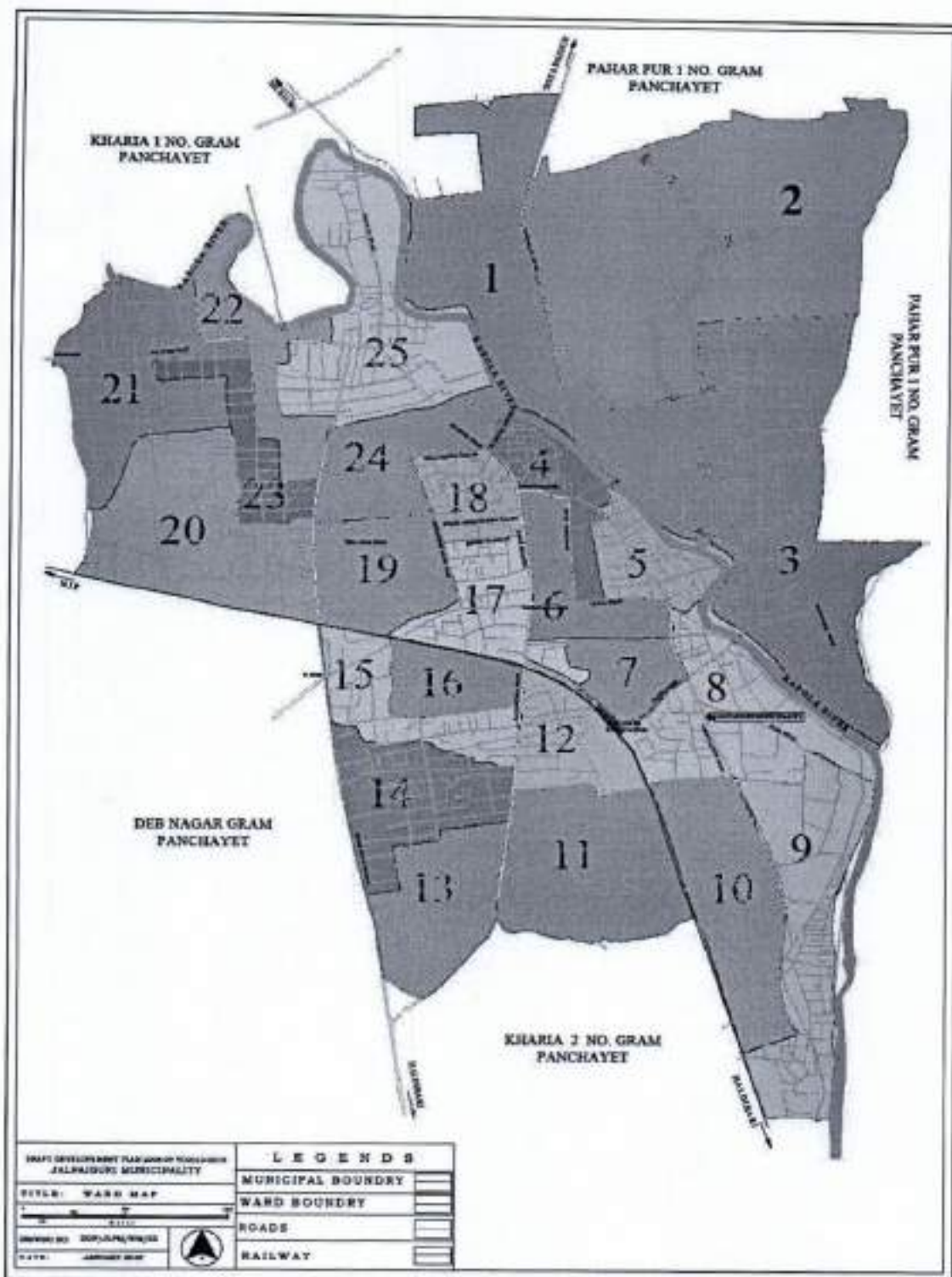
Annexure-J: 35 drain details

Annexure-K: 21 drain detail

Annexure-L: Site Inspection Report, KMDA September 2021

Annexure-M: Photographs of 18 MLD STP at Barrackpore

Physical Progress 100% complete for all the outfalls. Construction of Chlorination tanks is under execution stage.



Status of Existing Waste Water Disposal Works

- **Existing System**

At present in-sanitary condition prevails in the town due to absence of proper arrangement of sewage collection and disposal system. The open drains, act as combined system carry dry weather flow coming from the households as septic tank effluent with or without soak pit. On river bank together with indiscriminate solid waste dumping is common sight in the town. The cumulative effect of all these pollutants leading to River Karala through these drains have resulted in deterioration of River Karala.



Waste Water Drains Leading to River Karola

There is no organized underground sewerage system in the town. As a result combined flow of D.W.F and Storm Run-off are carried away by these drains for ultimate disposal to River Teesta through River Karola and River Dhardhara. With increasing urbanization, more and more built up areas are coming up and therefore, the pollution level in river is increasing day by day.

The sanitation facility available in the forms of:-

- Sanitary latrine with septic tank at individual household.
- Sanitary latrine with septic tank for community use.
- Two pits pour flush latrines in slum areas.

Waste water from individual houses, markets and other institutions flows through the existing drains and is discharged into natural water courses.

The drainage system of the area plays an important role in carrying out waste water including storm water. Topography of the land is flat except some elevated land in the central part of the Municipal area. Water logging and drainage problem in some parts of the town still persist due to back flow of flood water of river Teesta through Karala. The rainwater from the upland of Jalpaiguri town and its adjoining area is causing water logging at certain parts of the town.

- **Waste Water Flow carried by Drains**

River Karala and Dhardhara receive waste water of Jalpaiguri town. There are about thirty seven (37) numbers (minor & major) outfall channel discharging either into River Karala or Dhardhara. All these outfalls are open surface drain receive both Dry weather and Storm water discharges. The details are given below.

Details of Outfall Drains

Sl. No.	Outfall No.	Location (Ward No.)
1	O/F K/1	Behind AC College (Ward No. 21)
2	O/F K/2	Behind AC College (Ward No. 21)
3	O/F K/3	Beside Muslim Burial Ground (Ward No. 22)
4	O/F K/4	Beside Muslim Burial Ground (Ward No. 22)
5	O/F K/5	Beside Burning Ghat (Ward No. 22), within Maskalaibari Crematorium Compound
6	O/F K/6	North of NSBT (Ward No. 25)
7	O/F K/7	On Gosala Road (Ward No. 25)
8	O/F K/8	Opposite to Gosala Road (Ward No. 1), Indira Colony
9	O/F K/9	On Gosala Road (Ward No. 25)
10	O/F K/10	Opposite to Gosala Road (Ward No. 1), near Rajbari Para
11	O/F K/11	On Gosala Road (Ward No. 25)
12	O/F K/12	Opposite to Gosala Road (Ward No. 1)
13	O/F K/13	Behind NBSTC Bus Terminus (Ward No. 25), behind Prantik Lodge, Netaji Para
14	O/F K/14	Beside the RCC bridge on Karala near Stadium (Ward No. 25), Santi Para
15	O/F K/15	Beside Basic Training Institute (Ward No. 25), Santi Para
16	O/F K/16	Near Beguntari More (Ward No. 4), Din Bazar
17	O/F K/17	Behind Hospital (Ward No. 4), Samaj Para

18	O/F K/18	Dhardhara River (Ward No. 3)
19	O/F K/19	Opposite to USUSI Lodge (Ward No. 5), Babu Para
20	O/F K/20	Beside Kala Bhawan (Ward No. 3)
21	O/F K/21	Near Karala Girl's School (Ward No. 8), Babu Para
22	O/F K/22	Beside the Ghat on River Karala near Karala Girl's School (Ward No. 8)
23	O/F K/23	Behind PWD Building (Ward No. 3), behind Netaji Sagrahasala
24	O/F K/24	Beside RCC Bridge on River Karala near Tista Udyan (Ward No. 8), behind Maha Maya Kali Mandir
25	O/F K/25	Southern End of the Town (Ward No. 9), Pilkhana Para
26	O/F D/1	East of Raj Dighi (Ward No. 2), Raikat Para
27	O/F D/2	East of Raj Dighi (Ward No. 2), Raikat Para
28	O/F D/3	East of Raj Dighi (Ward No. 2), Raikat Para
29	O/F D/4	Behind Jail (Ward No. 2), Sen Para
30	O/F D/5	Beside RCC Bridge on Dhardhara (Ward No. 2), Raikat Para
31	O/F D/6	Behind Sadar Hospital (Ward No. 1)
32	O/F D/7	Behind Sadar Hospital (Ward No. 3), Sen Para
33	O/F D/8	Behind Sadar Hospital (Ward No. 3), Sen Para
34	O/F D/9	Behind Studeu Hostel of Institute of Pharmacy (Ward No. 3)
35	O/F D/10	On Hospital Road (Ward No. 1), near RCC bridge on Dhardhara
36	O/F D/11	On Hospital Road (Ward No. 1), near RCC bridge on Dhardhara
37	O/F D/12	On Hospital Road (Ward No. 1), near RCC bridge on Dhardhara

1.6.3 Details Flows in Drains

Detailed survey was conducted (**Drawing No. 1**) to find out the location of these outfall drains at River Karala. Flows of these drains were measured at the point of outfall into the Karala River once a week on hourly basis for four weeks - three on week days and the fourth on Sunday.

The average results (10 hrs average) as obtained on the basis of these studies are given below (**Enclosure 2**).

Details of Discharge by Drains

Sl. No.	Drain No.	Drain Name	Starting Point	Outfall Point
38	O/F K/3	Near Muslim Burial Ground	From Maskalaibari Road	River Karala near Burial Ground
39	O/F K/5	-	Near Ananda Chandra	Near Maskalaibari Burning

			College	Ghat at Karala
40	O/F K/8		Boundary of Khaira 1 No. GP	Near the RCC Road Culvert
41	O/F K/10		Near Teesta Bridge Road	Opposite to Gosala Road at River Karala
42	O/F K/13		Ward No. 23	River Karala behind NSBT
43	O/F K/18	Dhardhra River	Northern Boundary of the Town	River Karala near Hospital
44	O/F K/21		Near DVC More	River Karala behind Kotwali PS
45	O/F K/24		Near Jalpaiguri Town Railway Station	River Karala beside Karala Bridge
46	O/F D/10	Hospital Road	Near Sadar Hospital	River Dhardhara near RCC Bridge
47	O/F G/1		Near Jalpaiguri Town Railway Station	At Gadadhar Khal

**Primary Treatment of sewerage for the river KAROLA
within Jalpaiguri Town in respect of HONB'LE NGT directives.**

WORK EXECUTED BY THE MED

- A scheme has been taken up for Primary Treatment of sewerage for the river KAROLA within Jalpaiguri Town AS PER Hon'ble NGT's directives. Total sewerage produced from Jalpaiguri town is mainly of domestic type which are being discharged to the Karola river through drains at 47 nos points. The primary treatment of sewerage is to be done by setting out screening & aeration system followed by disinfection at outfall point of these drains before discharging into river. In this scheme M.S. framed grating 50MM grids are being erected at each outfall point of existing drain with RCC/CC guard wall. This grating will detain all debris of size greater than 2", so that river will get debris free drainage water. In front of the grating boulder apron are provided in three to four steps for proper aeration of sewerage which will decrease the BOD of polluted water before mixing with the river water as well as it increase the dissolved oxygen of water. Then disinfection by chlorination is to be done to remove micro-organism like coli-form etc. This is merely a temporary measure of Bio-remediation of polluted water.
- The work order for screening & aeration system was issued on 02.07.2020 with an estimated cost of Rs.35, 50,298.00. Now, work is almost completed except few finishing works.
- The disinfection by chlorination work of sewage before discharging into the river by adding suitable doses of Sodium-Hypochlorite at different locations are also being taken-up.

DETAILED PROGRESS REPORT

Name of work: Primary Treatment of sewage water with with Screening arrangement aeration etc. At 47 nos outfall point of drain to KAROLA RIVER

SL. NO.	LOCATIO N	NO. OF DRAINS/O UTFALL	PRE-CONSTRUCTION PHOTOGRAPH	POST-CONSTRUCTION PHOTOGRAPH	STATUS
1	Near PWD more	2			COMPLETED
2	Beside RCC Bridge on River Karala near Teesta Udyan (Ward No.-8) behind Mahamay a Mandir	1			COMPLETED

Annexure - II

File No. PRD-24023(11)/1/2020-JS(PRD)-Dept. of PRD

Government of West Bengal
Panchayats & Rural Development Department
Joint Administrative Building (6th to 9th Floors)
Salt Lake, Block - HC7, Sector - III, Kolkata - 700 106

Memo No: 873 -

Date: 10.02.2021

From: Mission Director, Mission Nirmal Bangla
& e.o. Joint Secretary to the Govt. of West Bengal

To: The Chief Executive Officer
Kolkata Metropolitan Development Authority

Sub: SLWM status report on 17 Polluted river stretches adjoining Gram Panchayats in the
State & that of Churni river adjoining Gram Panchayats

Madam,

With reference to the subject cited above, I am directed to enclose a status report (in Annexure I & II) on Solid & Liquid Waste Management (SLWM) in respect of 17 Polluted river stretches adjoining Gram Panchayats in the State & that of Churni river adjoining Gram Panchayats in respect of O.A. 673/2017 of Hon'ble NGT for your kind perusal

Yours faithfully,

 10/2/21

Mission Director, MNB & e.o. Joint Secretary

Copy enclosed: As stated

Monthly report of 17 polluted river adjoining Gram Panchayats
As on 31.12.2020

Sl. No.		Item	Remarks
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	2,951
5		No. of total household of Gram Panchayats	7,94,411
6	Progress of SWM	No. of GPs where IEC done	197
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	197
10		No. of Sansad where SWM activity undertaken	629
11		Total no. of household covered by SWM	2,05,889
12		No. of GP for which DPR has been prepared	45
13		No. of GP for which DPR has been approved by SLSC	23
14		No. of household where composting is done at household level	2,578
15		No. of GP wherein land has been identified for CPU	49
16		No. of GP wherein CPU is under construction	5
17		No. of GP wherein construction of CPU is completed	15
18		No. of GP where CPU is functional	8
19		No. of household where segregation is done	24,251
20		No. of households wherefrom solid waste is collected	7,761
21		Quantity of biodegradable waste collected (Kg/ day) in the Dec,2020	3,176
22		Quantity of non-biodegradable waste collected (Kg/ week) in the Dec,2020	6,171
23		Quantity of compost produced (Kg/month) in the Dec,2020	18,017
24		Quantity of compost marketed (in Kg/ month) in the Dec,2020	10,332
25		Quantity of recyclable items sold (in Kg/ month) in the Dec,2020	255
26		Total revenue earned (Rs. in Lakh) in the Dec,2020	0.33
27		No. of GPs where use of plastic (< 50 micron) banned	155
28		No. of GPs where networking of vendors for recyclable wastes done	3
29		No. of PWMU established	0
30	Progress of LWM	Total no. of private tube well	1,79,864
31		Total no. of private tube well with platform	1,06,958
32		Total no. of private tube well with soak pit	68,359
33		Total no. of public tube well	26,277
34		Total no. of public tube well with platform	22,044
35		Total no. of public tube well with soak pit	13,412
36		Total no. of ponds where duckweed cultivation is done	822
37		Total no. of beautification project undertaken	106
38		Total no. of saplings planted in last 2 years	10,22,136

Measures for Liquid Waste Management:

1. Platform and soak pit construction of public and private tube well and other water sources is done to address the issue of grey water and storm water.
2. Water stabilization pond also may be constructed for this purpose.

Report of Churni polluted river adjoining Gram Panchayats
As on 31.12.2020

Sl. No.		Item	Remarks
1.	General Profile	No. & Name of Districts involved	1
2		No. of Blocks involved	4
3		No. of GPs involved	14
4		No. of Sansad involved	201
5		No. of total household of Gram Panchayats	52,013
6	Progress of SWM	No. of GPs where IEC done	14
7		No. & Name of Districts where SWM activity undertaken	1
8		No. of Blocks where SWM activity undertaken	14
9		No. of GPs where SWM activity undertaken	14
10		No. of Sansad where SWM activity undertaken	10
11		Total no. of household covered by SWM	1,045
12		No. of GP for which DPR has been prepared	2
13		No. of GP for which DPR has been approved by SLSC	1
14		No. of household where composting is done at household level	210
15		No. of GP wherein land has been identified for CPU	2
16		No. of GP wherein CPU is under construction	0
17		No. of GP wherein construction of CPU is completed	2
18		No. of GP where CPU is functional	1
19		No. of household where segregation is done	1,045
20		No. of households wherefrom solid waste is collected	1,045
21		Quantity of biodegradable waste collected (Kg/ day) in the Dec,2020	515
22		Quantity of non-biodegradable waste collected (Kg/ week) in the Dec,2020	3,570
23		Quantity of compost produced (Kg/month) in the Dec,2020	2,560
24		Quantity of compost marketed (in Kg/ month) in the Dec,2020	1,800
25		Quantity of recyclable items sold (in Kg/ month) in the Dec,2020	255
26		Total revenue earned in the Dec,2020	21,400
27		No. of GPs where use of plastic (< 50 micron) banned	13
28		No. of GPs where networking of vendors for recyclable wastes done	0
29		No. of PWMU established	0
30	Progress of LWM	Total no. of private tube well	5,534
31		Total no. of private tube well with platform	15,973
32		Total no. of private tube well with soakpit	9,265
33		Total no. of public tube well	5,534
34		Total no. of public tube well with platform	1,315
35		Total no. of public tube well with soakpit	915
36		Total no. of ponds where duckweed cultivation is done	0
37		Total no. of beautification project undertaken	1
38		Total no. of saplings planted in last 2 years	69,217

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, Beniapur, 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.

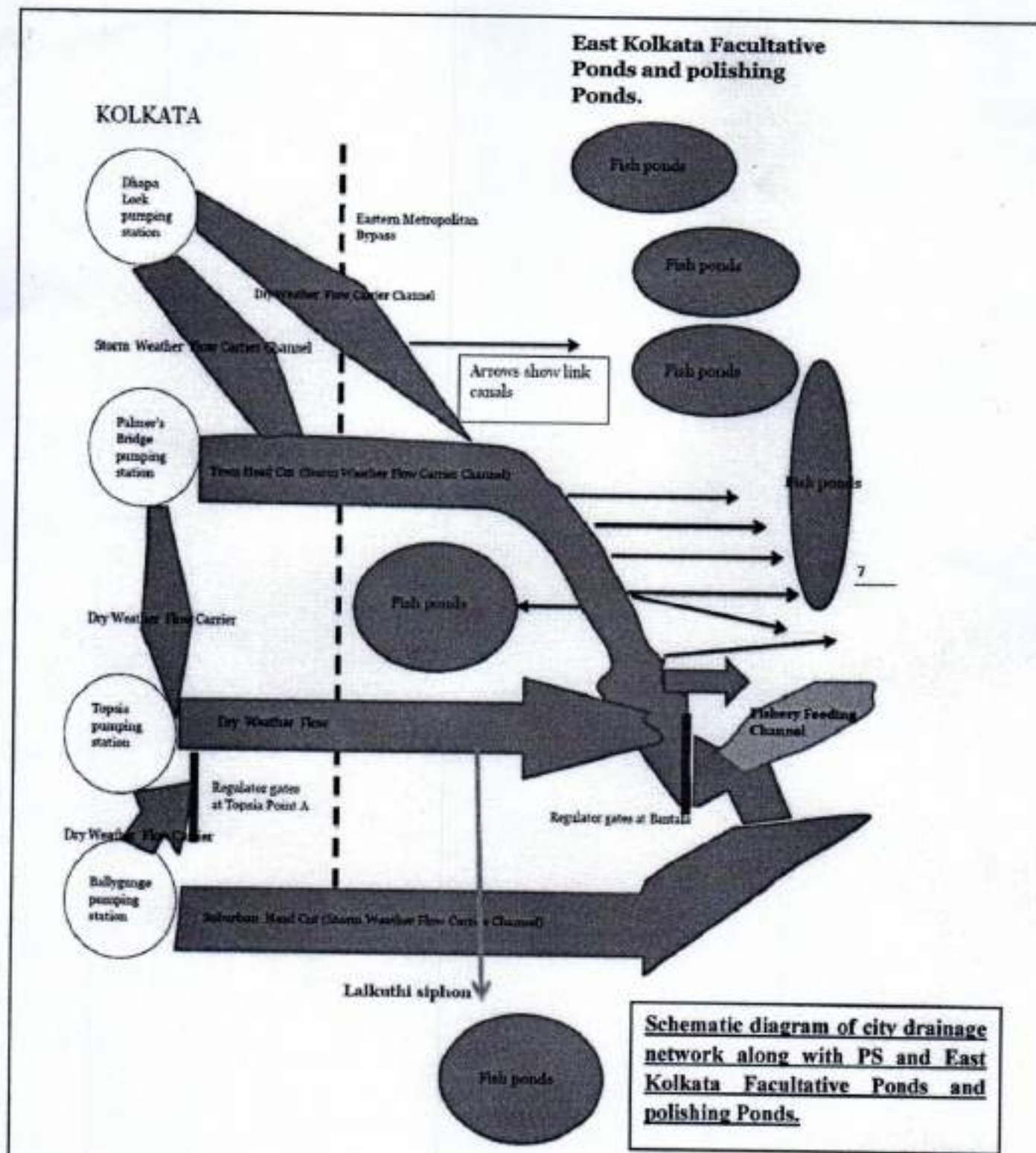
Kolkata has a combined sewerage system through which domestic sewage is intercepted and pumped through the pumping stations and diverted through the outfall channels which flows for about 5 to 6 kms before reaching the EKW. Kolkata system discharges DWF through Ballygaunge Drainage Pumping Station and 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

For 09/02/21
0902-1021
DY. CEO / AcEg.
9/2/21
EE-1 / 500 (5).
661027/21

09/02/21
Director General
Sewerage & Drainage



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

9/2/21
S.E. (D-1) / Control
09/02/21
Dy. Secy (E) / Ad. Secy.
B.E. (D-1) / S & P (S).

09/02/21
Director General
Sewerage & Drainage

Annexure - A

Minutes of the Review Meeting of Principal Secretary, UD & MA Department on Issues related with House to House connections for Barrackpore, Halisahar and Budge Budge STPs and Land issue of Berhampore STP
Held on 21st September 2021 at the Chamber of Principal Secretary, UD & MA.

The meeting was chaired by Principal Secretary, UD & MA and was attended by the following officials:

1. CEO KMDA & PD WBSPMG
2. Joint Secretary in charge of LWM Cell & APD, WBSPMG
3. Joint Secretary, Budget UD & MA looking after KMDA matters
4. Chief Engineer, GAP Sector, KMDA
5. Financial Advisor, UD & MA

Joint Secretary, LWM Cell has presented the above mentioned issues in details. The progress has been reviewed by Principal Secretary UD & MA at length. The decisions which were taken in this Meeting are given below:

<i>Sl. No.</i>	<i>Agenda and Executing Agency</i>	<i>Decisions taken</i>
1)	Status of House to House connection in Barrackpore STP - KMDA	Total House Connections to be done = 35,000 - Tender awarded for 1,000 connections by the Municipality. Out of which 360 connections completed. Work is under progress for balance 640 connections. - Tender for another 3,000 connections floated by the Municipality. - For Balance 31,000 connections, Ward Wise Tenders to be floated by 26th September 2021 through KMDA portal. - Work order will be issued by the Municipality. - CEO, KMDA and CE, GAP Sector, KMDA will hold a meeting with prospective bidders for awareness so that the Tenders mature.
2)	Status of House to House connection in Budge Budge STP - KMDA	Total House Connections to be done = 13,200 15 Tenders have been invited for 16 Wards (by KMDA) 10 Tenders are on Second Call. 5 Tenders have been cancelled after Technical Bid Evaluation. Fresh Tenders will be floated on 26th September 2021.
3)	Status of House to House connection in Halisahar STP - KMDA	Total House Connections to be done = 32,686 60 Tenders have been invited by Halisahar Municipality. All 60 Tenders were matured. But in all of them the rate quoted is 9% above (in between 8 to 10%) than the approved rate. Department of UD & MA observed that- - This will increase the Total burden of Cost to a large extent. - The Department also observed that in all the Tenders the rate is nearly the same that is around 9% higher which indicates that there has been a Nexcus (Curtail formation) among the bidders. Considering the above two points, the Department of UD & MA has cancelled all the Tenders and it was decided that the Tenders will be floated afresh Ward Wise (as has been decided for Barrackpore) by using KMDA portal by 26th September 2021 by KMDA itself. Work order will be issued by the Municipality.
4)	Land issue of Berhampore STP - KMDA	The land for Berhampore STP has been transferred by the inter Departmental Land Transferred Committee (LTC) of Department of UD & MA. Work has already started. Hence land issue resolved.

Miscellaneous Issues –

1. It was decided that CEO, KMDA will submit weekly report regarding the progress of the House to House connections as stated above to the Department on every Friday by 4:00 PM
2. Proposal for setting up of new STPs in 16 Ganga Towns and capacity augmentation of existing STPs, amounting to Rs. 2,885 crore under Namami Gange –II (2021-2023) have been sent to NMCG by PD SPMG on 4th February, 2021. This will create an additional capacity of 550 MLD and presently under consideration of NMCG.
3. Fund issues Pending with NMCG –

Details of additional expenditure incurred on 3 Externally Aided Project (EAP) towards implementation of NMCG Program in the State of West Bengal					
Sl. No.	Name of Project	Price Escalation	GST	Utility Shifting / Electricity Charges etc	Total
1	Barrackpore	20,62,57,042.00	12,19,97,957.00	3,95,82,633.00	36,78,37,632.00
2	Halisahar	13,69,01,059.00	8,20,57,514.00	3,65,91,738.00	25,55,50,311.00
3	Budge Budge	6,78,47,886.00	4,63,07,077.00	4,22,90,464.00	15,64,45,427.00
	GRAND TOTAL	41,10,05,987.00	25,03,62,548.00	11,84,64,835.00	77,98,33,370.00

The said proposal already sent to NMCG on 5th July 2021 from Program Director, WBSPMG.

As there was no other issue, the Meeting ended with thanks to the Chair.

Principal Secretary,
UD & MA Department

Joint Secretary, (DB)
Department of UD & MA

CEO, KMDA
&
PD WBSPMG

Financial Advisor,
Department of UD & MA

Joint Secretary (NG)
Department of UD MA
&
APD, WBSPMG

Chief Engineer, GAP Sector,
KMDA

Annexure-B

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

Memo No. 140/(14)-JS(NG)

Date: 03.11.2021.

To:

- 1) The C.E.O., K.M.D.A & PD, SPMG, Unnayan Bhavan, Sector-II, Salt Lake, Kolkata- 700091.
- 2) Additional Secretary, Environment Department, Pranisampad Bhavan, 5th Floor, LB-2, Sector-III, Salt Lake, Kolkata-700106.
- 3) APD SPMG and Joint Secretary in charge of LWM Cell
- 4) CEO ADDA, 2nd Floor, Administrative Building, 1st St, City Center, Durgapur, West Bengal 713216
- 5) CEO SJDA, 41/196, Hill Cart Rd, Ward 3, Pradhan Nagar, Siliguri, West Bengal 734001
- 6) Sri Debapriya Biswas Joint Secretary, Department of UD & MA.
- 7) Nodal Officer Tolly Nullah
- 8) Secretary, MED, Bikash Bhavan, Salt Lake, Kolkata, West Bengal 700091.
- 9) Chief Engineer, GAP Sector, KMDA
- 10) Nodal Officer, PHE, Head Office, 7th floor, New Secretariat Building, I.K.S.Roy Road, Pin - 700001
- 11) Chief Engineer, MED, Secretary, MED, Bikash Bhavan, Salt Lake, Kolkata, West Bengal 700091.
- 12) Dr T.K. Gupta, Chief Technical Advisor, WBPCB
- 13) Special Engineer, SLRDC,
- 14) Senior Law Officer Department of UD & MA and his Team

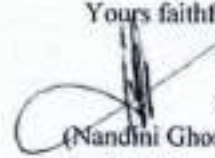
Sub: - Minute of the Review Meeting of Honourable Principal Secretary UD & MA Department on Issues related with Liquid Waste Management held on 29th October 2021 at the Conference Hall of Nagarayan.

Sir/Madam,

With reference to the above subject, I am directed to attach herewith the Minutes of the above Meeting for your kind perusal and further actions. All the Executing agencies are requested to submit Status Reports within time and date mentioned in the MOM to the Department positively.

Nandini Ghosh, IAS
Joint Secretary
UD & MA Department
Government of West Bengal

Yours faithfully,


(Nandini Ghosh, IAS)
Joint Secretary

Memo No. 140- /1(2) - JS (NG)

Date: 03.11.2021.

Copy forwarded for kind information to:

- 1) PS to HMOS, UD & MA Department.
- 2) P.S to Principal Secretary, UD & MA Department.


Joint Secretary

Nandini Ghosh, IAS
Joint Secretary
UD & MA Department
Government of West Bengal

**Minutes of the Review Meeting of Honourable Principal Secretary, UD & MA
Department on Issues related with Liquid Waste Management with particular
reference to the Court cases before Hon'ble NGT**

Held on 29th October 2021 at the Conference Hall of Nagarayan.

The meeting was chaired by Hon'ble Principal Secretary UD & MA and was attended by the officials and Engineers of different Department as below:

1. CEO KMDA & PD SPMG
2. Additional Secretary, Environment Department
3. APD SPMG and Joint Secretary in charge of LWM Cell
4. CEO ADDA
5. CEO SJDA
6. Sri Debapriya Biswas Joint Secretary
7. Nodal Officer Tolly Nullah
8. Secretary MED
9. Chief Engineer, GAP Sector, KMDA
10. Nodal Officer, PHE
11. Chief Engineer, MED
12. Dr T.K. Gupta, Chief Technical Advisor, WBPCB
13. Special Engineer, SLRDC
14. Senior Law Officer Department of UD & MA and his Team

Joint Secretary, LWM Cell has presented the issues related with Liquid Waste Management in details. The progress has been reviewed by Principal Secretary UD & MA at length. The decisions which were taken in this Meeting are given below:

Sl. No.	Agenda	Decisions taken
1)	Review of the progress of STPs.	• With respect to the STPs not complying with the Water Quality standards, the following decisions were taken: a. Monthly Report on Water Quality to be given by WBPCB. b. Customised Locations Specific Solution would be chalked out and provided with the Water Quality Report. • In respect of commissioned STPs (Kalyani, Gayeshpur, Bhatpara, Budge budge, Barrackpore, Halishahar) weekly Report with respect to the Progress of House to House Connections to be submitted. • In Jiaganj-Azinganj, 50% work with respect to rejuvenation of Pump House at Takia has been achieved, prayer given for release of fund. JS Budget (ARM) to expedite the release. • Monthly Progress Report to be submitted by GAP Sector KMDA showing both physical and financial progress component wise of each STPs. • Work Orders for preparation of DPRs in respect of 11 Towns to be issued by 3rd of November 2021. • Work Order with respect to Churni River to be issued by 3rd of November 2021. • Construction/Renovation/Rejuvenation of STPs at Garulia, Naihati, Panihati, Nabadwip, Kanchrapara, Titagarh, Bandipur, to be completed by December 2021.
2)	Mahananda STP.	• DPR of Mahananda River was sent to NMCG on 24.09.2021 amounting Rs. 61.57 crores through WBSPMG. It was decided that Principal Secretary UD & MA would write to NMCG for an Official Visit by them at the Site so that the Project can be taken up expeditiously, as Chief Secretary WB is having a personal appearance before HNGT on 17.01.2022 (OA No.10). Since, the Environment Department is looking into this matter, Department of UD & MA would submit Report to the Environment Department as and when required giving the latest development.

3)	STPs on River Damodar (Asansol, Durgapur)	DPR of Damodar River was sent to NMCG on 10.08.2021 amounting Rs. 634.30 crores through WBSFPMG. It was decided that Principal Secretary UD & MA would write to NMCG for an Official Visit by them at the Site so that the Project can be taken up expeditiously.
4)	Tolly's Nullah Project	Combined TBER sent to NMCG on 25.10.2021 for onward transmission to the Bank. The Bank has extended the validity up to 19th November 2021 and gave some observations. KMC is sending the replies by 10th November 2021.
	Garden Reach-Keorapukur STP Project	NMCG has given observations on the DPR sent by KMC for Garden Reach-Keorapukur STP Project. KMC has been instructed to submit the replies by 15th November 2021.
5)	Progress of the In-situ Treatment in Polluted River Stretches with likely date of completion and final status	- With respect to the completed Projects of Jalangi, Shilabati, Karola and Kanshi, MED has been instructed to start the Chlorination work by 15th November 2021. - With respect to the ongoing Projects of Kaljani, Dwarkeshwar, Mayurakshi, Rupnarayan, the target date of completion has been fixed on 31st December 2021.
6)	NGT case related to Bagjola-Kestopur, (OA NO. 14)	- Department of UD & MA has to file a fresh affidavit by last week of November 2021. Law Section UD & MA has been instructed to place a Draft by third week of November 2021. - The Department has got clarification from I&W Department that Kestopur Canal is connected with Ganga and both Kestopur and Bagjola canal are falling under Ganga basin. It was decided that the DPR of Kestopur and Bagjola would thus be placed before NMCG for funding.
7)	NGT case related to Santragachi Jheel (OA NO. 06)	The Department has received observations from South Eastern Rail with respect to the DPR prepared by KMDA for construction of WSP at Jheel. Subsequently, CE GAP Sector has also given the replies. It was decided that the Law Section of UD & MA Department would forward both the observations and replies to the Committee constituted by HNGT Eastern Bench. The Department would also highlight the observation of SER in point no 4 where they clearly stated that Construction of Public Toilets, Installation of Waste Bins is not acceptable in their land. Therefore, Department of UD & MA is not in a position to take up any interim measures for pollution abatement of Jheel.
8)	NGT case related to Manikhal (OA NO. 66)	It was decided that, since WBFCB is the Nodal Agency in this case, therefore they would hold a Meeting to review the Progress in this matter before the next hearing which is scheduled on 23.11.2021.
9)	Progress of installation of OCEMS	It was decided that Principal Secretary UD & MA would write to NMCG for funding. The total cost involved for procuring 47 machines is approx Rs. 9.39 crores.
10)	Construction of PSTPs	The Department of UD & MA has constituted a Committee for designing a State level policy on construction of PSTPs in each district. The first meeting will be held on 2.11.2021 and the first Draft Report to be placed within 15 working days.

As there was no Agenda, the Meeting ended with thanks to the Chair.

(Khalid Ahmed)
Principal Secretary,
UD & MA Department

Site Inspection Report.Month- October 2021

NAME OF THE EXECUTING AGENCY- GAP WING/W&S SECTOR, KMDA

1. Physical progress of the operational STPs.

Sl. No.	Location	ULB Jurisdiction	Capacity in MLD	Actual utilization at present	Reasons for underutilization if any	Status of installation of OCEMS	Status of House Connection (if any)	Incremental progress over the last visit
1	Bhatpara	Bhatpara	60.50	26.30	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-22300, executed till date-13910 pending-8390 2nd call tenders have already been invited by the Municipality for balance house connections and technical bid opening date was 26/10/2021, but no bidder participated. Municipality are preparing tender documents for 3rd call.	NIL
2	Kalyani	Kalyani	21.00	Influent - 19.84 (avg) Effluent- 19.35 (AVG) As on 31.10.2021		Not install till now	1. Due to pending work of house connection (Out of 28,000 nos house connection, completed only 20,000 nos.) 2. Balance house connections (8,000 Nos.) are situated peripheral regions (added	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
							zone) of the Kalyani Municipality for which new sewer network is required and a new DPR under process for that.	
3	Gayeshpur	Gayeshpur	8.33	Influent: 2.73 MLD (32.77%) Effluent: 2.72 MLD (32.65%)	Inadequate house connection	Not install till now	1. Due to pending work of house connection 8039 no HSC has been completed out of 15000 household. Gayeshpur Municipality is executing the work by engaging agencies through tender. Work is in progress	Sewage (Influent) quality has been decreased compared to previous month viz. September, 2021 is 3.63 MLD.
4	Budge Budge	Budge Budge	9.3	1.8	Only for available drain connection	Not install till now	No of house connection : 13200 Executed : NIL No bidder participated in the 1 st call of tender. 2 nd call was invited on 10.02.2021 and last date of bid submission on 17.03.2021. Expected date of completion: 2 years after issuance of work	HDD work :30 m has been done

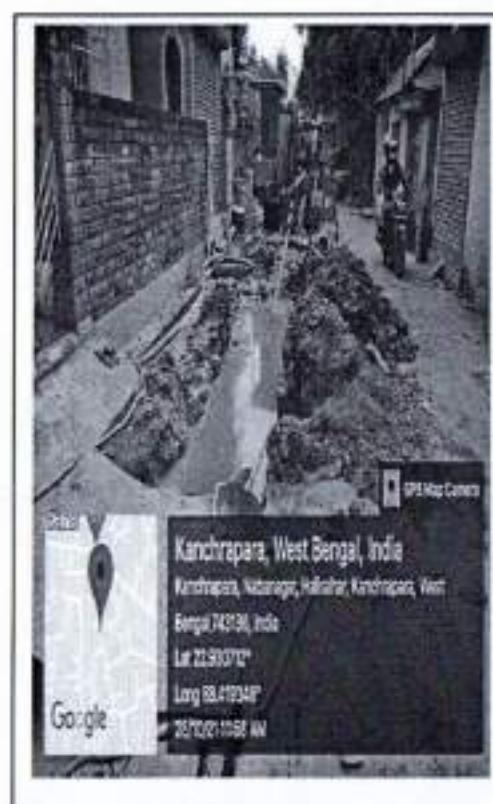
Sl. No.	Location	ULB Jurisdiction	Capacity in MLD	Actual utilization at present	Reasons for underutilization if any	Status of installation of OCEMS	Status of House Connection (if any)	Incremental progress over the last visit
							order.	
5	Barrackpore	Barrackpore	24.0	7.00	Sewerage network could not been completed as the Local Municipal authority has barred the Sewerage network at present for the ensuing assembly poll and House connection work has also not been completed. Presently sewage from the existing drains are being taken by I& D structures	Not install till now	For 18.0 MLD: Nearly 22000 house connection are required. Presently Local Municipality invited tender for the House connections but work has not been done here. For 6.0 MLD: The House connections nearly 435 has been done so far. Barrackpore Municipality is executing a part (about 4,000 connections) of the house connection work and KMDA has invited 24 nos. ward-wise tender for balance 31,000 connections. During 1st call no bidder participated. 2nd call tender	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
							under process.	
6	Halisahar	Halisahar	16.0	3.00	Pending of house connection. Only drain water collected	Not install till now	2nd call tenders have already been invited by Halisahar Municipality. The Last date of tenders submission are 5/11/2021.	Operation & Maintenance work for STP started.

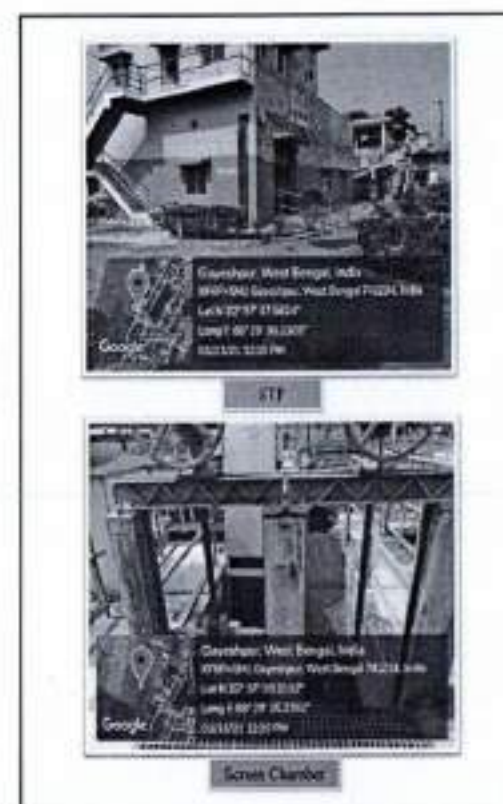
SITE VISIT PHOTOGRAPH OF STP UNDER OPERATION& MAINTENANCE STAGE IN
October 2021



KALYANI



HALISAHAR



GAYESHPUR

SITEVISIT PHOTOGRAPH OF STP UNDER OPERATION/TRIAL & RUN STAGE IN OCTOBER, 2021



BARRACKPORE STP SITE

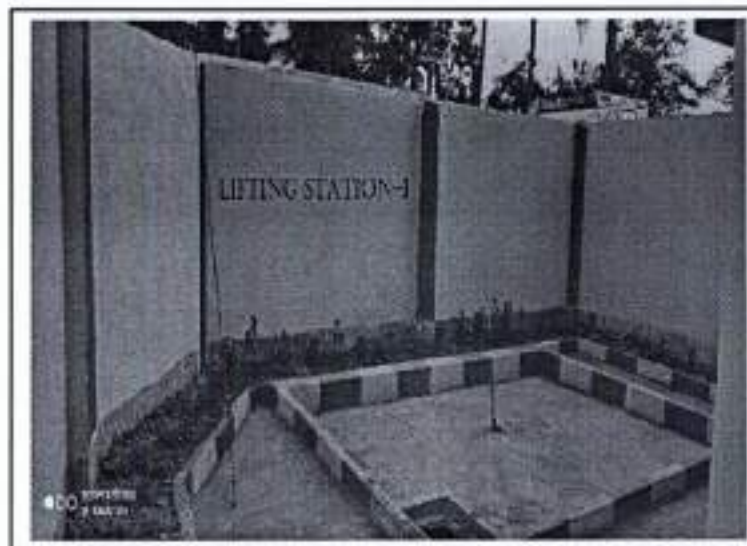


BARRACKPORE STP SITE

SITE VISIT PHOTOGRAPH OF STP UNDER OPERATION/TRIAL & RUN STAGE IN OCTOBER, 2021



BUDGE BUDGE



BUDGE BUDGE

2. 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	Sreerampore	Sreerampore	18.60	Installed-1990 Nonfunctional-2011	This project has shifted from the Rejuvenation category to Augmentation category and 2nd call for the	Non-functional	Nil

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
					tender of DPR preparation (Augmentation of STP) is under process. Technical Bid and Financial Bid have been opened and the matter will go to DTC for final approval of the tender.		
2	Champdani	Champdani	1.00	Installed-2009 Non-functional-2018	This project has shifted from the Rejuvenation category to Augmentation category and 2nd call for the tender of DPR preparation (Augmentation of STP) is	Non-functional	Nil

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
					under process. Technical Bid and Financial Bid have been opened and the matter will go to DTC for final approval of the tender.		
3	Bandipur (Khardah)	Khardah	14.00	Data not available	Work in progress	Overall physical progress as on 31.10.2021 : 26% comprising 1.Repairing & renovation of STP-20% The work was hampered due to the Nation wide lock down, heavy rainfall in monsoon, Bye Election of legislative assembly etc The work is now under progress.	Work in progress
4	Garulia	Garulia	7.90	2004 Data not available	Work in progress	Overall Physical Progress as on 31.10.2021 is : 87% comprising 1.Repairing & renovation of STP- 86% 2.Repairing & renovation of MPS (1 nos) and LS (1 no.)-92% 3. Repairing & Renovation of network- 85% 4.Repairing & renovation of Diversion structure-86%	Overall physical progress increase 1% 1.Repairing and renovation STP work increases 0% from previous month. 2. Increase in work in Repairing&renova

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
							tion of MPS (1nos) and LS (1 no.)-0% from previous month Repairing & Renovation of network is increased 5% from previous
5	Naihati	Naihati	6.50	Data not available	Work in progress	Overall physical progress as on 31.10.2021 : 86% comprising 1.Repairing & renovation of STP-88% 2.Repairing & renovation of MPS (2nos)-94% 3.Repairing & renovation of network-50% 4.Repairing & renovation of Diversion structure-95%	Overall physical progress increase 6% 1.Repairing& renovation of STP-1% 2.Repairing and renovation of MPS (2nos): 3%.
6	Panihati	Panihati	12.00	1993 Data not available	Work in progress	Overall physical progress as on 31.10.2021 : 66% comprising Repairing & renovation of STP-79% Repairing & renovation of MPS (1nos) and LS (3no.)-78% Repairing & renovation of network-29%. Diversion Structure at P.B.Ghat -90%	Overall physical progress increase : 1 % 1.Repairing and renovation of STP work : 0% 2. Increases in Repairing &renovation work MPS & LS: 3%.

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
7	Baidyabati	Baidyabati	6.00	2007 Data not available	LOI issued on 24th MAY, 2021 work order issued on 11.06.2021	Overall physical progress as on 31.10.2021 is 69% 1.Repairing & renovation of STP- 72% 2.Repairing & renovation of Lifting station (2nos) &MPS (1 nos)-40% 3.Cleaning,Repairing & renovation of network- 95%	Overall physical progress increase : 6.67% 1.Repairing and renovation of STP work : 3% 2. Increases in Repairing &renovation work MPS & LS: 7%. 3. Repairing & renovation of network-10%.
8	Bhadreswar	Bhadreswar	7.60	2006 Data not available	LOI issued on 24th MAY, 2021 work order issued on 11.06.2021	Overall physical progress as on 31.10.2021 is 65% 1.Repairing & renovation of STP- 70% 2.Repairing & renovation of MPS (1nos)&Lifting station (1nos) -28% 3.Cleaning,Repairing & renovation of network- 90%	Overall physical progress increase : 32.00% 1.Repairing and renovation of STP work : 10% 2. Increases in Repairing &renovation work MPS & LS: 0%. 3. Repairing & renovation of network-15%.
9	Chandannagar	Chandannagar	22.66	1996 Data not available	Work is in Progress	Overall physical progress as on 31.10.2021 is 32% 1.Repairing & renovation of STP-35% 2.Repairing & renovation of MPS (1nos) and LS (2no.)-35% 3.Cleaning,Repairing & renovation of network- 0% 4. Repairing and renovation of Oxidation ponds along with internal drains within S.T.P premises is in progress-70%	Overall physical progress increase : 2% 1.Repairing and renovation of STP work : 5% 2. Increases in Repairing &renovation work MPS & LS: 5%. 3. Repairing & renovation of network-15% 4. Repairing and renovation of Oxidation

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
							ponds alone with internal drains within S.T.P premises is in progress-5%.
10	Bansberia	Bansberia	0.30	2009 Data not available	Work is in Progress	Overall physical progress as on 31.10.2021 is 73% 1.Repairing & renovation of STP-75% 2.Repairing & renovation of MPS (1nos) -25% 3.Cleaning,Repairing & renovation of network- 80%	Overall physical progress increase : 3% 1.Repairing and renovation of STP work : 5% 2. Increases in Repairing &renovation work MPS & LS: 5%. 3. Repairing & renovation of network-5%.
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 30.09.2021: • Repairing & renovation of STP: 75%, • Repairing & renovation of LS (4 nos.):90% • MPS (1 no):- 95% , • Cleaning, Repairing & renovation of network- 15%, • Road restoration work :- 30% Cleaning of network is in progress.	Cleaning of network is in progress.
12	Naihati	Naihati	11.56	2009 Data not available	Work is in Progress	Overall Physical Progress as on 31.10.2021 is: 72% 1.Repairing & renovation of STP- 96% 2.Repairing & renovation of MPS	Overall physical progress increase : 2% 1.Repairing and renovation of STP work : 1%

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
						(1nos) and LS (1 no.)-95% 3.Cleaning,Repairing & renovation of network- 52% 4.Repairing & renovation of Diversion structure-62%.	2. Repairing& renovation of MPS (1nos) and LS (1 no.)-5% 3. Cleaning, Repairing & renovation of network - 0%. 4. Repairing & renovation of Diversion structure-0%
13	Titagarh	Titagarh	9.00	1989 Data not available	Work is in Progress	Overall Physical Progress as on 31.10.2021 is : 69% comprising . 1.Repairing & renovation of STP-81 % 2.Repairing & renovation of MPS (1 nos) and LS (3 no.)-65% 3.Cleaning,Repairing & renovation of network- 60% 4.Repairing & renovation of Diversion structure-76%.	Overall physical progress increase : 1% 1.Repairing and renovation of STP work : 1% 2. Repairing& renovation of MPS (1nos) and LS (3 no.)-9% 3. Cleaning, Repairing & renovation of network -0%. 4. Repairing & renovation of Diversion structure-0%

SITE VISIT PHOTOGRAPH OF STPs UNDER NON-OPERATIONAL/ PARTIALLY OPERATIONAL IN OCTOBER, 2021



Naihati ASP

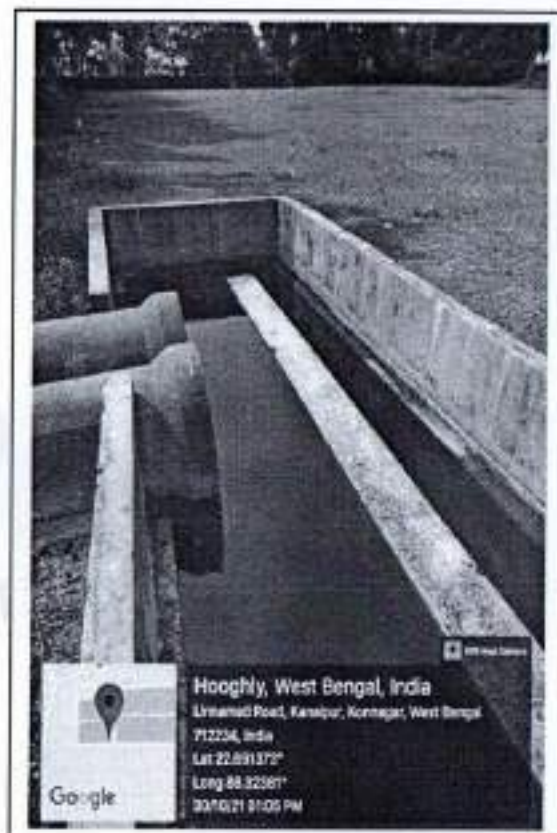


Naihati WSP



Titagarh

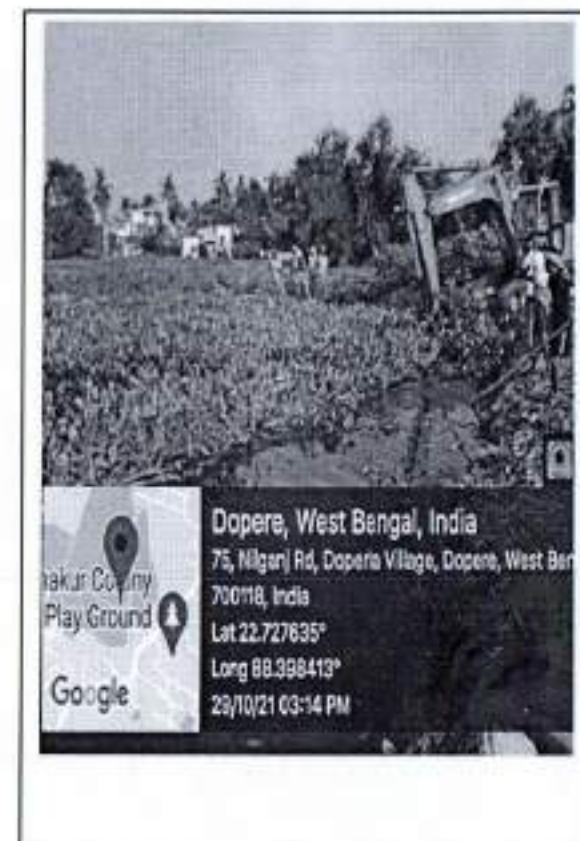
SITE VISIT PHOTOGRAPH OF STPs UNDER NON-OPERATIONAL/ PARTIALLY OPERATIONAL IN OCTOBER, 2021



UTTARPARA-
KOTRUNG-KONNAGAR

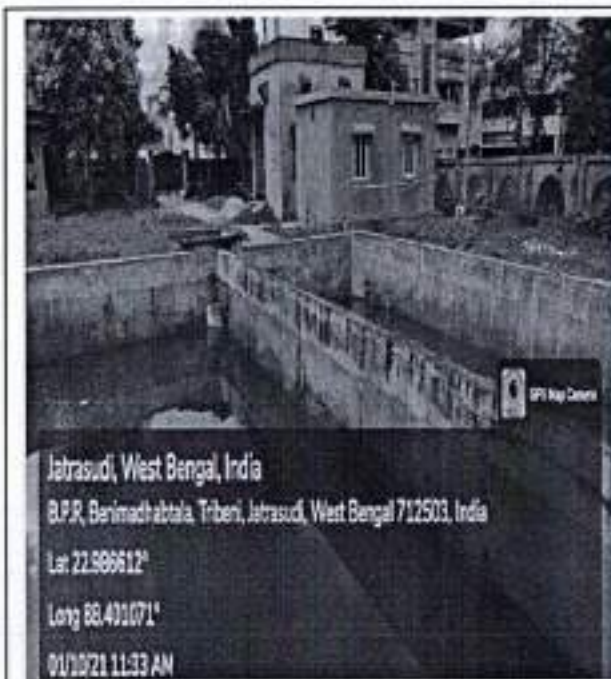


CHANDANNAGAR



BANDIPUR

SITE VISIT PHOTOGRAPH OF STP's UNDER NON-OPERATIONAL/ PARTIALLY OPERATIONAL IN OCTOBER, 2021



BANSBERIA



CHANDANNAGAR, KESTOPOTTY LS



BAIDYABATI

SITE VISIT PHOTOGRAPH OF STPs UNDER NON-OPERATIONAL/PARTIALLY OPERATIONAL IN OCTOBER, 2021



BAIDYABATI



BHADERSWAR

3. 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	Sept,2021	Under Construction Overall physical progress achieved as on 31.10.2021 is 92%.	Overall Physical Progress increases as compared with previous month: 4%. 1. Progress in construction of 9.5 MLD STP: 5%
2	Kanchrapara	Kanchrapara	18.00 MLD	Feb,2022	Under Construction Overall physical progress achieved as on 31.10.2021 is 56%.	Overall Physical Progress increases as compared with previous month: 1%. 1. Construction work of 18 MLD capacity STP increases: 0%.
3	Jangipur	Jangipur	8.00 MLD	May,2022	Physical Progress upto 31.10.2021: 14.97% Construction of STP Physical progress-25%. i) SBR Basin: 127 nos. of pile has been driven. ii) Inlet Chamber: 27 nos. of pile has been driven. iii) MCC- Blower Room: construction upto Tie beam lvl. done. construction of machine foundation is completed and column up to grade slab level almost completed. iv) Centrifuge House of STP: up to tie beam level construction completed. Construction up to grade slab level is completed. v) Chlorination Building : Up to tie beam level - completed. Up to grade slab level also completed. vi) CCT room: Not started. vii) MPS- 1no. The design and vetting 1 No. of MPS is completed. Network:	Overall progress increases 0.7%.

Sl. No.	Location	ULB jurisdiction	Proposed capacity in MLD	Timeline for completion	Present Status	Incremental progress over the last visit
					Laying of sewer line about 982 m completed till date . Manhole: 21%	
4	Raghunathgaunge	Jangipur	5.00 MLD	May,2022	Physical Progress upto 31.10.2021 : 10.91% Construction of STP Physical progress-22%. i) SBR Basin: 76 nos. of pile has been driven. ii) Inlet Chamber: 34 nos. of pile has been driven. iii)MCC- Blower Room: construction upto Tie beam lvl. completed. Construction upto grade slab level is under process. iv) Centrifuge House of STP: construction work upto tie lvl completed. Construction up to grade slab level is under process. v) Chlorination Building : Construction up to tie beam completed. vi) CCT room: Not started. vii) MPS- 1no. The design and vetting 1 No. of MPS is completed.	Overall progress increases 0.8%.
5	Berhampore	Berhampore	3.50 MLD	May,2022	Physical Progress upto 31.10.2021 : 3.38% The land for setting up the STP has been idemarcated on 09.09.2021 from the end of BL&LRO, Sadar, Berhampore. Construction work is under progress. The NOC for land for construction of 1 no. of Lifting Station has been given from Berhampore Municipality and land for 1 no. of Lifting Station not yet handed over to this end.	Overall physical progress increase over previous month is NIL

Sl. No.	Location	ULB jurisdiction	Proposed capacity in MLD	Timeline for completion	Present Status	Incremental progress over the last visit
6	Bally (Kona)	Jagacha Gram Panchayet	62.00	Sept.-2023	Overall physical progress as on 31.10.2021: - Construction of site office is under progress. 23 nos pile completed in this month.	1. Construction of site office is under progress. 12 nos pile completed in this month.
7	Arupara	Howrah	65.00	Sept.-2023	Overall physical progress as on 31.10.2021: Pilling work is in progress • 133 nos pile completed in this month. - Pile cap & tie beam work is under progress	133 nos pile completed in this month. - Pile cap & tie beam work is under progress.
8	Mathkal	Baranagar	60.00	Sept.-2023	Overall physical progress as on 31.10.2021: - Dismantling work is in progress (100% completed). 27 nos pile completed in this month. - Total no of pile done upto October 2021 is 298	27 pile completed in this month.

SITE INSPECTION OF DIFFERENT PROJECT UNDER EXECUTION IN SEPTEMBER , 2021



NABADWIP



NABADWIP STP



KACHRAPARA



KACHRAPARASTP SITE

SITE INSPECTION OF DIFFERENT PROJECT UNDER EXECUTION IN OCTOBER, 2021



BERHAMPORE-JANGIPUR STP SITE



BERHAMPORE-JANGIPUR STP SITE



BERHAMPORE STP SITE (SEWERAGE NETWORK)



CHLORINATION -RAGHUNATHGANJ STP

SITE INSPECTION OF DIFFERENT PROJECT UNDER EXECUTION IN OCTOBER, 2021



BALLY STP



BARANAGAR SITE



ARUPARA SITE

4. Status of Polluted Drains discharging to river Ganga.

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
1.	Jangipur Drain	Jangipur	0.2 MLD	Presently in-situ treatment work is ongoing and in future it will be tapped under the ongoing Baharampore - Jangipur Interception & Diversion Project. Bar screen has already been installed.	YES	Chemical dosing, desilting work etc. has been taken up periodically	Dosing and Desilting work is in progress
2.	Halisahar Drain	Halisahar	97.2 MLD	To be intercepted in the Halisahar STP (16.00 MLD capacity) which is under execution.	NO	Installation of Lock gate completed and partial flow diverted to newly constructed 16.0 mld STP.	Installation of gate completed.
3.	Garifa Drain-South / Ramaghat Open pucca drain	Garifa	113.3 MLD	Considered to be connected with the STP 1 (6.50 MLD capacity) at 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..
5.	Thanar Khal	Naihati	16.2 MLD	Considered to be connected with the STP 2 (11.56 MLD capacity) at	NO	Civil construction	Lock Gate Installed

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
				Naihati in rejuvenation works under North 24 Parganas district.		for Lock gate is completed.	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	14.6 MLD	Planned to be diverted to the existing Serampore STP which will be renovated after the finalization of Tender	No	Tender invited for preparation of DPR	Financial evaluation in progress
11.	Chatra Khal	Serampore	70.0 MLD	Planned to be diverted to the existing Serampore STP which will be	No	Tender invited for preparation of	Financial evaluation in progress

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
				renovated after the finalization of Tender		DPR	
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 (BishalaxmiGhat)	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/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
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	Buffel wall construct inside the drain and diversion line from the PBghat to nearest manhole has been completed.	NIL
21.	Kuthighat Drain/ Baranagar Khal	Baranagar	2.1 MLD	Considered in Kamarhati-Baranagar STP (60.00 MLD) at Baranagar which	No	NIL	NIL

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
				shall be executed by Ganga STP Project Pvt. Ltd. under HAM.			
22.	ChitpurGhat Khal/ Circular Canal	Chitpur	458.6 MLD	KMC area connected with Bangur STP & 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, Hastings, Kolkata	844.5 MLD	3 new STPs are proposed (KMC)	Under KMC	Tolly's Nullah is guarded with 8 floating garbage arrester nets at	Under KMC

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
						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	Under KMC

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
						reaching to the 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.	Bagher Khal	Kanchrapara	134.50 MLD	To be intercepted in the Kanchrapara STP (18.00 MLD capacity) which is under execution.	No	STP under execution	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	Jagaddal	5.2 MLD	Already tapped with the Bhatpara 31 MLD STP at Jagaddal.	No	Already intercepted and diverted to Ex-LS-04 and finally delivered to 31 MLD STP at Jagaddal.	nil
34.	Rosbara Khal	Bandel	168.3 MLD	Proposed to be connected with the STP (26.50 MLD capacity) at Hooghly - Chinsurah Municipality. DPR approved by NMCG on 28.08.2020.	No	Tendering stage	Nil
35.	Old Muni Khali Khal	Mahestala	6.9 MLD	Considered in Maheshtala I&D network project	No	Land hand over is in	

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

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

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
45.	DhopaGhat Drain	Bansberia	0.1 MLD	NO	NO	Tender invited for preparation of DPR	Financial evaluation in progress
46.	Chandannagar Drain	Chandannagar	0.4 MLD	Taken up into the STP at Chandannagar by I&D work	NO	Work started soon	NIL
47.	Nazerganj Khal	Sankrail, Howrah	1075.2 MLD	No	Preparation of DPR for Howrah added zone in I&D with STP	Tender invited for preparation of DPR	Financial evaluation in progress
48.	ITC Triveni Drain	Hooghly	0.5 MLD	No	No	M/S ITC Tribeni Tissue factory has been directed to install STP for their housing quarters. Monitoring of the same to be done on regular basis.	Action plan of this drain has been submitted by WBPCB.

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

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
					capacity and flow will be treated as separate canal/River	preparation of DPR	progress
53.	Bally Khal	Bally	4860.0 MLD	NO	Drain with humongous capacity and flow will be treated as separate canal/River	Second call for Tender has been invited for preparation of DPR	Financial evaluation in progress
54.	Singhi More Khal	Sankrail, Howrah	1.1 MLD	NO	Tender invited for Preparation of DPR for Howrah added zone in I&D with STP	Tender invited for preparation of DPR	Financial evaluation in progress
55.	BTPS Out fall Drain-I	Hooghly	5.9 MLD	No	No	WBPCB taken regulatory action.	NIL
56.	Bagher Khal	Kanchrapara	134.50 MLD	To be intercepted in the Kanchrapara STP (18.00 MLD capacity) which is under execution.	No	I&D work is under Progress	Nil

SITE VISIT PHOTOS OF OUTFALLS IN OCTOBER, 2021



GARIFA SOUTH (RAM GHAT)



HALISAHAR DRAIN LOCKGATE

5. 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: 09.11.2021

Name of Reporting Engineer: PRANTIK RAY

Designation: CHIEF ENGINEER

1437785/2021/O/o JS(UDMA)

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

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

Date:01.02.2021

ORDER(Draft)

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

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

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

This issue has an approval of the Higher Authorities.

Joint Secretary
UD
& MA Department

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

Date:01.02.2021

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'ble MIC
16. PS to Principal Secretary

Joint Secretary
UD
& MA Department

Annex-D

F.N. T-15/2017-18/089/NMCG

National Mission for Clean Ganga
Ministry of Jal Shakti, Department of Water Resources, RD & GR
Government of India

1st floor, MDC National Stadium
Indira Gate, New Delhi - 110002
Dated 16th September 2021

To,
Programme Director, SPMG West Bengal
Unnayan Bhawan, D-11, Sector-II,
3rd floor Block A, Salt Lake, Kolkata-700091

Subject: In-principal Approval for DPR preparation of Different Towns (11nos.) at West Bengal under Namami Gange reg.
Ref: memo no. 2742-NGRBA/SPMG/DPR-178/2015(P-1)/2019 dtd. 08.09.2021

---Madam,

With respect to your communication mentioned above wherein WB-SPMG has requested for in-principal Approval for DPR preparation of Different Towns at West Bengal. 2. NMCG has agreed in-principal to the proposal of SPMG. SPMG may utilize the desired amount of Rs. 90.05 Lakhs from DPR preparation activity for 11 mentioned towns subjected to the condition that same shall be adjusted against project preparation fee (4% of the capital cost) as per NGRBA framework once these projects are approved by NMCG. 3. NMCG has prepared the guidelines for preparation of DPRs on Interception & Diversion (I&D) and Sewage Treatment Plant (STP) works, which has already been shared with SPMG, West Bengal and same are available on NMCG website (www.nmcg.in). These DPRs of I&D and STP may be prepared following these guidelines. 4. This is issued with the approval of ED (Projects), NMCG.

Thanking You.

With regards,

Dr. Pravin Kumar
Dir (Technical)

Copy to: -CEO, KMDA, Unnayan Bhawan, D-11 Sector-II, 3rd floor Block A and 2nd & 3rd floor Block G, Salt Lake, Kolkata 700091

Internal circulation: -
I, PS to DG, NMCG
II, PS to ED (P), NMCG

IHHL and ODF Status of the 18 ULBs (RRC Town)

Self Declared as ODF- 16 ULBs

ODF Declared by Gol- 10 ULBs

Sl No	District	ULB	Initial Target	Further Revised Target	Construction completed	% of Construction Completion	Construction ongoing	Online uploaded	% of geo tagging against construction	No of Geo tag pending	Self Declared as ODF	ODF declared by Gol
1	ALIPURDUAR	Alipurduar	2019	1959	1959	100.00	0	1959	100.00	0	Yes	No
2	Paschim Bardhaman	Asansol MC	47001	19177	17143	89.17	2034	14595	85.14	2548	No	No
3	BANKURA	Bankura	6627	3407	3407	100.00	0	3407	100.00	0	Yes	No
4	Paschim Bardhaman	Durgapur MC	18688	30708	30708	100.00	0	30708	100.00	0	Yes	Yes
5	PASCHIM MEDINIPUR	Ghatal	2310	900	900	100.00	0	900	100.00	0	Yes	Yes
6	JALPAIGURI	Jalpaiguri	865	1260	1222	96.98	38	1039	85.02	183	Yes	No
7	NADIA	Krishnanagar	1736	1817	1817	100.00	0	1817	100.00	0	Yes	Yes
8	PASCHIM MEDINIPUR	Midnapore	3184	3326	3326	100.00	0	3326	100.00	0	Yes	Yes
9	BIRBHUM	Rampurhat	1806	1423	1423	100.00	0	1423	100.00	0	Yes	Yes
10	NADIA	Ranaghat	603	1018	1018	100.00	0	1018	100.00	0	Yes	Yes
11	BIRBHUM	Sainthia	3498	1250	1250	100.00	0	1250	100.00	0	Yes	Yes
12	DARJEELING	Siliguri MC	3055	4083	1813	75.48	2270	1813	100.00	0	No	No
13	BIRBHUM	Suri	1848	1876	1876	100.00	0	915	48.77	961	Yes	No
14	PURBA MEDINIPUR	Tamralipta	2042	2542	2542	100.00	0	2288	90.01	254	Yes	No
15	North 24 Pgs	Barasat	14405	3016	3016	100.00	0	2981	96.84	35	Yes	Yes
16	North 24 Pgs	Madhyamgram	3965	1169	1169	100.00	0	1169	100.00	0	Yes	Yes
17	North 24 Pgs	New Barrackpore	1094	893	893	100.00	0	893	100.00	0	Yes	Yes
18	North 24 Pgs	North Dum Dum	9217	332	332	100.00	0	332	100.00	0	Yes	No
TOTAL			123963	80156	75814	94.6	4342	71833		3981	Yes=16 No=2	Yes=10 No=8

Annexure - F

AGRICULTURE

CUMULATIVE WORK PROGRESS ON MAJOR POLLUTING RIVERS (SINCE 2019-20) UPTO THE MONTH OF OCTOBER, 2021

Name of River & Stretch of river where work is undertaken	Farmer's assistance & livelihood improvement	Progress on crop varieties and technology adoption	Progress of Organic Farming works	Micro / Precision irrigation works	Progress on BANGLA KRISHI SECH YOJANA	Soil Health management & Health cards issued	Any other significant works undertaken	Projects / Schemes under proposal stage
1) River-Vidyadhari River stretch-Harua Bridge to Malancha Burning Ghat	Distribution of Bio-fertilizers/Bio-pesticides, Compost pit, Awareness programme with 500 farmers since 2019-20, The programme is running.	Adoption of GAP (D/C on Pulses, Oilseeds, Poiria cropping), Awareness Programme under running Govt. Schemes. Area covered-300 ha. Farmers' benefited-300 nos. Amount involved-Rs.7.28 lakh since 2019-20	2 nos. Bio-village (covering 24 ha) have been conducted during 2019-20. Under Bio-village programme awareness campaign, FFS, IPM D/C, green manuring and distribution of bio-fertilizers, bio-pesticides have been conducted. Farmers' benefited-200 nos. Amount involved-Rs.16.0 lakh. Work is completed.	Installation of Drip and Sprinkler irrigation systems.	85 Nos. of farmers benefited	Poiria Cropping, Green manuring etc. Soil Health Cards issued-1370 nos.	Works on Soil & water conservation: 1. Water Harvesting Structure-40 nos. 2. Awareness programme-20 nos. 3. Livestock small Ruminant-19 ha 4. Fishery based-28 ha 5. Pipe distribution-30 ha 6. Awareness meeting-6 nos 7. Clearance of Drainage Channel-400 RMT Other works-Jute retting with CRUAF-Sona, Poly mulching in vegetables, Column cultivation of vegetables etc and Anti crop residue burning campaign.	400 RMT clearance of drainage channel under Soil Conservation wing.
2) River Mahananda	Livelihood of the farmers has been	Replacement of old varieties of different	1 no. Bio-village covering 12 ha has	Nil	Nil	Soil Health Management	Anti-crop residue burning campaign	Not yet submitted

River Stretch-Siliguri to Binnaguri	improved due to increase of return from agriculture by enhancing productivity and quality production of crops by adopting promising new varieties and technologies	crops crops by climate resilient new high yielding and hybrid varieties notified within 10 years. Important Technologies adopted are :-Crop Diversification by expansion of area of crops with low water requirement like pulses,oil seeds etc,Farm Mechanization, Soil Health management, Micro-irrigation, IPM etc.	been conducted during 2019-20. Under Bio-village programme awareness campaign, FFS, IPM D/C, green manuring and distribution of Bio-fertilizers, Bio-pesticides have been conducted.			by expansion of area under pulses by conducting Demo. Centres on pulses and Poira cropping and Integrated Nutrient Management (INM) practices of different crops.	and demonstration of straw decomposer and straw management machines etc for sustaining soil health.	
3)River Churni River Stretch-Santipur to Majhdia	Livelihood of the farmers has been improved due to increase of return from agriculture by enhancing productivity and quality production of crops specially rice,pulses,oil seeds and maize by adopting promising new varieties and improved technologies.	Replacement of old varieties of different crops by climate resilient new high yielding and hybrid varieties notified within 10 years. Important Technologies adopted are :-Crop Diversification by expansion of area of crops with low water requirement like pulses, oil seeds etc,Farm Mechanization, Soil Health management, Micro-irrigation, IPM etc.	2 nos. Bio-village (covering 24 ha) have been conducted during 2019-20. Under Bio-village programme awareness campaign,FFS,IPM D/C, green manuring and distribution of Bio-fertilizers,Bio-pesticides have been conducted.	Installation of Drip and Sprinkler irrigation systems	Area covered under Drip and Sprinkler irrigation systems-58.82 ha.	Soil Health Management by expansion of area under pulses by conducting Demo. Centres on pulses and poira cropping and Integrated Nutrient Management (INM) practices of different crops. Soil Health Cards issued-156 nos.	Anti-crop residues burning campaign and demonstration of straw decomposer and straw management machines etc for sustaining soil health.	Not yet submitted

4) River-Dwarka River stretch-SadhakBamak hyapaGhat to Tarapith	For livelihood development assistance has been given to the farmers through various modes for improvement of cultivation practices, better returns sustaining ecological balances. An area of 24 ha has been covered under Bio-village programme. 25 nos. farmers Field School have been conducted for awareness generation among the farmers regarding improved cultivation practices.	Crop varieties of rice, pulses, oil seeds, maize and other crops above 10 years old are being replaced by climate resilient new improved varieties. Improved technology demonstrations on less water requiring crops like Pulses (445 ha), Oilseeds (460 ha), Maize crops (10 ha) for replacement of boro paddy have been conducted. Other important technologies introduced are : 1. Poiria Cropping with Khesari (77 ha), Inter-cropping with pulses (37 ha), Mixed Cropping with pulses (135 ha) ---for improvement of soil condition. 2. SARP system of Rice Production---31 ha. 3. SRI system of Rice Production---4 ha.	1. Bio-village-2 nos (24 ha.) 2. Area covered under organic farming-34 ha. 3. Area covered by Green manuring-80 ha. 4. Vermi-compost pit-120 nos. Compost pit-80 nos. 5. Distribution of Rotavators on subsidy for mixing of crop residues in soil- 76 nos.	Installation of Sprinkler and Drip irrigation system	Area covered under BKSYS-53 ha. Amount of subsidy utilized-Rs.39.50 Lakh	Increase of soil fertility status by expansion of area under pulse cultivation by Sole cropping/ Poiria cropping / Mixed cropping and Integrated Nutrient Management (INM) practices of different crops are being practiced for sustaining soil fertility. Soil Health Cards issued-2256 nos.	Soil and water conservation works has also been carried out. 1.Plantation-5 ha 2. Water harvesting structure-08 nos. 3. Check dam-02 nos. 4. Dug well-03 nos. 5.Gully Plugging---05 ha 6. Awareness meeting-07 nos. 7.IrrigationChannel-400 RMT Anti-crop residues burning campaign and demonstration of straw decomposer and straw management machines etc for sustaining soil health.	Proposal for further works on Soil Health Management, pulse based cropping system, Micro-irrigation, various Central & State Govt. sponsored Soil and Water Conservation Schemes, awareness generation for organic pesticides and manures.
5) River Ganga River Stretch-Tribeni to Diamond Harbour	Livelihood of the farmers has been improved due to increase of return from agriculture by enhancing productivity and quality production	Replacement of old varieties of different crops by climate resilient new high yielding and hybrid varieties notified within 10 years. Important	Bio-village-4 nos(48 ha) conducted during 2019-20. Under Bio-village programme awareness campaign, FFS, IPM D/C, green	Installation of Drip and Sprinkler irrigation systems	Area covered under Drip and Sprinkler irrigation systems-10.53 ha.	Soil Health Management by expansion of area under pulses by conducting Demo.	1. SARP system of rice cultivation-10 ha. 2. SRI system of rice cultivation-2 ha. 3. Poiria cropping with mustard-60	Not yet submitted

	of crops specially rice, pulses, oil seeds and maize by adopting promising new varieties and improved technologies.	Technologies adopted are:- Growing of area specific indigenous cultivars of rice including aromatic rice (Var. Gobindobhog) by organic farming technology, Crop Diversification by expansion of area of crops with low water requirement like pulses, oil seeds etc, Farm Mechanization, Soil Health Management, Micro-irrigation, IPM etc.	manuring and distribution of Bio-fertilizers, Bio-pesticides have been conducted.			Centres on pulses and Poiria cropping with pulses along with Integrated Nutrient Management (INM) practices of different crops including green manuring.	ha. 4. Anti-crop residue burning campaign and demonstration of straw decomposer and straw management machines etc for sustaining soil health. 5. Jute retting with CRIJAF-Sona 6. Poly mulching in vegetables.	
6) River Damodar River Stretch- Durgachak to Dishergarh	Livelihood of the farmers has been improved due to increase of return from agriculture by enhancing productivity and quality production of crops by adopting promising new varieties, certified seeds, quality inputs, improved machines & equipments and technologies. Nearly 300 ha of land has been brought under Good Agricultural Practices.	Replacement of old varieties of different crops by climate resilient new high yielding and hybrid varieties notified within 10 years. Paddy-Sahabagi, DRR 42 Maize-Yuvraj Gold, JKMH 502, JKMH 4222 Lentil-WBL77 Mustard-K-5111, Kesari Gold, JKMS 8532 Important Technologies adopted are :- Crop Diversification by	1. Bio-village-1 no. (12 ha) during 2019-20. 2. Bio fertilizer & Bio-pesticide distribution-770 ha. 3. Green manuring-4 ha. 4. Kanchavermi compost pit-40 nos. 5. Puccavermi compost pit-40 nos. 6. IPM Demo.Centre-1 no 7. Farmers Field School- 4 nos. Organic rice production done on 20 ha of land.	Installation of Sprinkler irrigation system-	1. Area brought under BKSY-36 ha. 2. No. of beneficiaries-42 nos. 3. No. of ponds excavated-2 nos. 4. No. of Dug well created-2 nos.	Soil Health Management by expansion of area under pulses by conducting Demo. Centres on pulses (54 ha) and poira cropping (107 ha) and Integrated Nutrient Management (INM) practices of different Crops. Soil Health Cards issued-211 nos.	1. DC on SARP technique of rice cultivation - 4 ha. 2. Anti-crop residue burning campaign and demonstration of straw decomposer and straw management for sustaining soil health.	Various Central & State Govt. sponsored Soil Conservation Schemes.

		expansion of area of crops with low water requirement like pulses, oil seeds etc, Farm Mechanization, Soil Health management, Micro-irrigation, Integrated Pest Management (IPM) etc.						
7) River- Jalangi River Stretch- LaalDighi to krishnagar	Livelihood of the farmers has been improved due to increase of return from agriculture by enhancing productivity and quality production of crops by adopting promising new varieties and technologies.	Increase of yield of crops including vegetables is the result of growing new improved varieties which are more remunerative and tolerant to disease, pest and weather aberration.	Distribution of Bio fertilizers, Bio pesticides and making of vermi compost pits and kacha compost pits, green manuring and imparting training to the farmers on organic farming are in progress.	Micro irrigation through sprinkler irrigation and drip irrigation.	4.0 ha	Soil Health Card issued- 200 nos.	Anti-crop residues burning campaign and demonstration of straw decomposer and straw management machines etc for sustaining soil health.	Not yet submitted
8) River- Kansai River Stretch- Medinipur to Ramnagar	No direct assistance was given. But Their livelihood was considerably improved by producing organically produced quality aromatic rice, more returns by adoption of different improved techniques of cultivation.	Replacement of old varieties of different crops by climate resilient new high yielding and hybrid varieties notified within 10 years. Important Technologies adopted are :- Growing of area specific indigenous cultivars of rice including aromatic rice by organic farming technology, Crop Diversification by expansion of area with	1. Organic farming on aromatic rice for more than 600 ha of land. 2. Bio-village- 3 nos (36 ha area) during 2019-20. 3. Vermi compost pit-205 nos. 4. Kutchha compost pit-200 nos. 5. Bio-pesticide distribution for 50 ha of land 6. Awareness Training Programme-10 nos.	Sprinkler irrigation	Medinipur- 391 units (156.40 ha) Kharagpur -I-179 units (71.60 ha) Kharagpur -II-226 units (90.40 ha) Debra-477 units (190.80 ha)	Soil Health Management is practiced by partial replacement of chemical fertilizers through bio-fertilizers in 60 ha of land	1. Plantation-3 ha. 2. Water Harvesting Structure-15 nos. 3. Check Dam-4 nos. 4. Awareness meeting-22 nos.	Various Central & State Govt. sponsored Soil Conservation Schemes.

		low water requiring crops like pulses, oil seeds etc, Farm Mechanization, Soil Health management, Micro -irrigation, IPM etc.	7. Preparation and use of different organic inputs (ITK)-50 ha of land.					
9)River Mathabhanga River Stretch-Madhupur to Gobindapur	Livelihood of the farmers has been improved due to increase of return from agriculture by enhancing productivity and quality production of crops by adopting promising new varieties and technologies	Replacement of old varieties of different crops by climate resilient new high yielding and hybrid varieties notified within 10 years. Important Technologies adopted are :-Crop Diversification by expansion of area of crops with low water requirement like pulses, oil seeds etc, Farm Mechanization, Soil Health Management, Micro-irrigation, IPM etc.	1. Bio-village-1 no. covering 12 ha conducted during 2019-20. Under Bio-village programme awareness campaign, FFS, IPM D/C, green manuring and distribution of Bio-fertilizers, Bio-pesticides have been conducted.	Nil	Nil	Soil Health Management by expansion of area under pulses by conducting Demo. Centres on pulses and poloracroping and Integrated Nutrient Management (INM) practices of different crops.	Anti-crop residue burning campaign and demonstration of straw decomposer and straw management machines etc for sustaining soil health.	Not yet submitted
10)River-Barakar River Stretch-Kulti to Asansol	Livelihood of the farmers has been improved considerably due to increase of return from agriculture by enhancing productivity and quality of crops by adopting promising new varieties, certified	Replacement of old varieties of different crops by climate resilient new high yielding and hybrid varieties notified within 10 years. Paddy-Sahabhagi, DRR 42 Maize-Yuvraj Gold, JKM 502, JKM 4222	1. Bio-village-2 nos. (24 ha) during 2019-20. 2. Kancha Vermicompost pit-80 nos 3. Pucca Vermicompost pit-80 nos 4. Bio fertilizer distribution-140 ha. 5. Bio pesticide distribution-300 ha. 6. Farmers Field	Installation of Sprinkler and Drip irrigation systems.	1. Area covered under BKSY-47 ha. 2. Farmers benefitted through Sprinkler Irrigation-236 nos. 2. Farmers benefitted	Soil Health Management by expansion of area under pulse by conducting Demo. Centres on pulses (583 ha) and Integrated Nutrient Management	1. SARP technique of rice cultivation-4 ha. 2. Oilseed Demo. Centre-228 ha. 3. Integrated Farming System-5 ha.(MatirSristi) 4. Different soil and water conservation works like plantation (4.3 ha), water harvesting	Various Central & State Govt. sponsored Soil Conservation Schemes.

	seeds, quality inputs, improved machines and equipments, technologies specially for cereals, pulses and oilseeds. Nearly 1000ha of land has been brought under good agricultural practices since 2019-20.	Lentil-WBL77 Mustard-K-5111, Kesari Gold, JKMS 8532 Important Technologies adopted are :-Crop Diversification by expansion of area of crops with low water requirement like pulses, oil seeds etc, Farm Mechanization, Soil Health Management, Micro-irrigation, Integrated Farming System etc.	School- 6 nos. 7. Green manuring-10 ha. 8. Organic rice production-100 ha.		through Drip Irrigation- 5 nos.	(INM) practices of different crops. Soil Health Cards issued- 826 nos.	structures (3 nos.), dug well (1 no), poly mulching etc. Anti-crop residues burning campaign and demonstration of straw decomposer and straw management machines etc for sustaining soil health.	
11) River-Dwarakeswar River Stretch-Bankura to kushia	Farmers are assisted by conducting Demonstration Centres of new improved high yielding and hybrid varieties of paddy, oilseeds and pulses for enhancement of quality and yield with objective to increase the farmer's income for livelihood improvement of the farming community.	1) Varietal replacement of rice under BGREI-200 ha. 2) Varietal replacement of pulses and oil seeds under NFSM-Pulse & Oil seeds-200 ha	Bio village-2 nos covering 24 ha conducted during 2019-20.	Micro irrigation through Sprinkler irrigation	200 ha.	Soil Health Card issued- 840 nos. nos.	Anti-crop residues burning campaign and demonstration of straw decomposer and straw management machines etc for sustaining soil health.	Bringing more area under crop diversification, bio-village, organic farming and various Central & State Govt. sponsored Soil Conservation Schemes.
12) River Kaljani	Farmers are assisted through	Introduction of climate resilient new	1) Organic farming was conducted in	Sprinkler irrigation	180 ha	Soil Health Management	Construction of kutchavermi	Various Central & State Govt. sponsored Soil

River stretch- Bitala to Alipurduar	awareness generation by organizing training meetings, distribution of bio-fertilizers, PSB and bio-pesticides, preparation of vermi-compost pits, installation of Precision irrigation structures etc towards livelihood improvement of the farmers.	high yielding and hybrid varieties notified within 10 years. Under crop diversification program about 725 ha of area was covered by new improved crop varieties of low water requiring crops like pulses, oil seeds, etc for replacement of boro paddy area. Other important techniques adopted are Farm Mechanization, Soil Health management, Micro-irrigation, IPM etc.	40 ha area with 200 nos participating farmers. 2) Bio-village-1 no (12 ha) during 2019-20			has been practiced by judicious use of chemical fertilizers and Soil Health cards issued-1500 nos.	compost pit and puccavermi compost pit-80 nos Different soil and water conservation works: 1. Reclamation of sand laden-30 ha. 2. Excavation of drainage/irrigation channel-300 RMT 3. WHS-2 nos. 4. Stream Bank Erosion Control-300 RMT 5. Awareness meeting-3 nos.	Conservation Schemes.
13) River- Karola River Stretch- Jalpaiguri to Thakurer Kamath	Livelihood of the farmers was considerably improved by producing more yield through introduction of soil health management scheme, replacement of age old varieties & technologies by new improved varieties and technologies.	New crop varieties and technologies were adopted through convergence schemes from NFSM, BGREI, ATMA etc.	Bio village-1 no. was conducted covering 12 ha of area during 2019-20.	Nil	Nil	Soil Health Card issued-600 nos.	Potato seed production under shade net to grow virus free potato seed tubers with minimum use of pesticides.	Not yet submitted.
14) River Mayurakshi River Stretch- Suri to Durgapur	Assistance has been given to the farmers for adopting modern cultivation practices towards	Almost 651 ha of pulses, 850 ha of oil seeds, 263 ha of maize & vegetables with promising varieties have been covered	1) Bio-village Program-2 nos covering 24 ha. (2019-20) 2) Pucca compost pit- 80 NOS	Sprinkler and Drip irrigation	50 ha area has been covered under micro irrigation	Expansion of area under Green manuring, leguminous crops like	Soil and water conservation works has also been carried out. 1) Water harvesting structure-10 nos.	Planned for expansion of area under micro-irrigation, soil and water conservation works, pulse based cropping system and

	better return towards improvement of their livelihood through awareness generation by Farmers Field School (14 nos.), Bio-village Programme and other improved technologies viz. Crop-Diversification Program, Integrated Pest Management (IPM), Farm Mechanization etc.	under demonstration programmes. Area of pulse cultivation with improved varieties has been increased which helps in improving soil fertility status. Other important technologies like pona cropping with Lathyrus (220) ha, inter cropping (37 ha) and mixed cropping (01 ha) have been conducted to improve soil condition. Demonstration on Stress and eco-friendly rice cultivation techniques like SARP (34 ha), SRI (32 ha) have been conducted.	3) Vermi-compost pit-80 nos. 4) Demonstration on organic farming in 16 ha area is being carried out. 5) 35 nos rotavators have been distributed among the farmers on subsidy for mixing of crop residues in soil.		incurring Rs.40 Lakh only	pulses etc are running for soil fertility improvement. 1) Soil Health Card issued- 979 nos. 2) Distribution of Bio-fertilizer (PSB) to 245 nos farmers. 3) Application of micro nutrient (Zinc) in chelated form has been started on 50 ha of land.	2) Check Dam-4 nos. 3) Land Development-16 ha 4) Plantation-4 ha 5) Dug well-1 no. 6) Awareness meeting-2 nos. Anti-crop residues burning campaign and demonstration of straw decomposer and straw management machines etc for sustaining soil health.	judicious use of chemical fertilizers and pesticides.
15) River-Rupnarayan River Stretch-Kolaghat to Benapur	Livelihood of the farmers has been considerably improved by more yield through soil health management (SHM) & integrated nutrient management program (INM), introduction of remunerative crops and varieties, crop-diversification program, integrated pest management	<u>Crop varieties</u> -Varietal replacement by climate resilient and more productive varieties of rice, pulses, oil seeds, potato, vegetables etc. <u>Technology adoption</u> -Technologies like SHM, INM, IPM, farm mechanization, precision irrigation techniques etc	Bio village-3 nos. covering 36 ha of area conducted during 2019-20.	Micro irrigation through sprinkler irrigation and drip irrigation.	Not yet implemented	Soil Health Card issued- 300 nos.	Anti-crop residues burning campaign and demonstration of straw decomposer and straw management machines etc for sustaining soil health.	Not yet submitted

	program(IPM) etc.							
16)River Silabati River stretch-Ghatal to Nischindipur	No direct assistance was given. But Their livelihood was considerably improved by producing organically produced quality aromatic rice, more returns by adoption of different improved techniques of cultivation.	Replacement of old varieties of paddy, oil seeds, pulses and other crops by new high yielding and hybrid varieties notified within 10 years. Important Technologies adopted are:-Growing of area specific indigenous cultivars of rice including aromatic rice by organic farming technology, Crop Diversification by expansion of area with low water requiring crops like pulses, oil seeds etc., Farm Mechanization, Soil Health Management, Micro-irrigation, IPM etc.	1) Organic farming on aromatic rice for more than 130 ha of land 2) Bio-village-1 no (12 ha area) during 2019-20. 3) Vermi compost pit-80 nos. 4) Kutchha compost pit-80 nos. 5) Bio-pesticide distribution for 20 ha of land 6) Awareness Training Programme-7 nos. 7) Preparation and use of different organic inputs (ITK)-20 ha of land.	Sprinkler irrigation	Sprinkler irrigation-396 units (158.40 ha) at Ghatal.	Soil Health Management is practiced by partial replacement of chemical fertilizers through bio-fertilizers in 35 ha of land	Anti-crop residues burning campaign and demonstration of straw decomposer and straw management machines etc for sustaining soil health.	Not yet submitted.
17) River Teesta River Stretch-Siliguri to Paharpur	Livelihood of the farmers has been improved due to increase of return from agriculture by enhancing productivity and quality production of crops by adopting promising new varieties and technologies	Replacement of old varieties of different crops by climate resilient new high yielding and hybrid varieties notified within 10 years. Important Technologies adopted are :-Crop Diversification by expansion of area of crops with low water requirement like	Bio-village-1 no. covering 12 ha conducted during 2019-20. Under Bio-village programme awareness campaign, FFS, IPM D/C, green manuring and distribution of Bio-fertilizers, Bio-pesticides have been conducted.	Nil	Nil	Soil Health Management by expansion of area under pulses by conducting Demo. Centres on pulses and poha cropping and Integrated Nutrient	Anti-crop residue burning campaign and demonstration of straw decomposer and straw management machines etc for sustaining soil health.	Various Central & State Govt. sponsored Soil Conservation Schemes.

		pulses,oil seeds etc,Farm Mechanization, Soil Health management, Micro- irrigation, IPM etc.				Management (INM)practice s of different crops.		
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Annexure - C

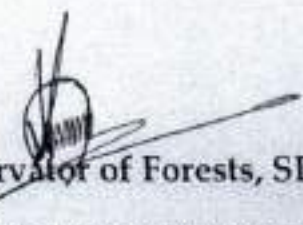
O.A. 673/2018 for the month of October 2021

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. Due to non release of creation fund rest of work yet to be started. Maintenance work will be taken up during 2022-23
2. Churni (Plantation on both sides of the river)	Advance (Nursery work) 100% completed. Creation work 50% completed. Work has stopped due to water logging. Maintenance work will be taken up during 2022-23

2. Development of Bio-Diversity Park

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


Chief Conservator of Forests, SDP
& Member Secretary, WBSFDA

Progress report regarding Solid Waste Management of 43 Ganga Towns

Sl. No.	Name of the Components	Status	Remarks
1.	100% Scientific Management of municipal Solid waste in Ganga Towns	9(Nine) waste processing plants at Baldiyabati, Rishra, Srerampore, Konnagar, Uttarpara Kotrang, Champdany, Haldia, Kolkata MC and Krishnanagar are functioning at present including one no RWMC with SLF has been set up at Baldiyabati, that caters six Ganga towns of Hooghly District. Upgradation of the plants has been proposed by the Transaction Advisors engaged for assisting State Govt, towards Scientific planning of SWM. For waste processing unit and O&M : Tender floated and Financial bid under evaluation for 31 ULBs, Agency engaged for 3 ULBs, Plant in operation^A (Krishnanagar). For legacy waste removal through bio mining: Out of 38 dumpsites at 33 ULBs, action has been taken at all dumpsites. Implementation at different stages is annexed. Till date 26.37 lakh household bins (green and blue colour) provided to these Ganga Towns and 11364 Community bins (green and blue colour) also provided	Transaction Advisors and Microplanning Organizations have been engaged for assisting State Govt, towards Scientific planning of SWM for each and every ULBs.
2.	Status of open dump sites and GVPs along River Ganga.	There are no open dump sites present along River Ganga.	
3.	Screening arrangements and their regular cleaning at all nullahs in Ganga Towns.	Out of 402 drains discharging to River Ganga 400 Drains on which screens have been provided and they are being cleaned at a regular intervals. In rest 2 no. of drains, screen installation is not technically feasible, bio-remediation & phyto-remediation measures undertaken.	List showing the name of the ULBs with details has been attached.
4.	Regular Ghat cleaning.	100% cleaning operation is being done by all the respective ULBs on regular basis. Bins have been provided at every Ghat.	
5.	Anti littering message	Anti littering messages have been displayed on each and every Ghats.	
6.	Progress in SBM-U matters	ODF status Achieved- Self Declared: 42 ULBs, GoI declared ODF: 38 ULBs Initial Target for IHHL construction- 215784 nos Revised Target for IHHL construction-87851 nos IHHL construction Completed=66244 nos (99%) IHHL Geo-tagging Completed-65731 nos	
7.	Inspection of Ghats	Report Annexed	

Status of Bio-mining of Legacy waste in 31 Ganga Towns

SI No	Name of the City	Dumpsite location	Quantity of waste at dumpsite (Ton)	Is fresh waste still being dumped at the dumpsite	If yes-then quantity of waste being dumped (TPD)	Has remediation of Legacy waste been done (Y/N/under consideration)	If Y/under consideration- please attach Action Plan	Tender Issuing Authority
1	Maheshtala	Ward No- 35	2,30,517	Yes	248.77	Under Consideration	WO Issued, Work Started	KMDA
2	Budge Budge	Subhas Udyan	20,721	Yes	31.16	Under Consideration	WO Issued, Work Started	KMDA
3	Bhatpara	Madral, Ward no. 6, Bhatpara	29,122	yes	80.6	Under Consideration	WO Issued, Work Started	KMDA
	Bhatpara	Jilabi Math, W. No. 13, Bhatpara, North 24 Parganas, Near Jilabi Math	29,138	Yes	95.31	Under Consideration	WO Issued, Work Started	KMDA
4	Garulia	Fanching ground road , W.no 11 Garulia , North 24 Parganas	52,449	Yes	46.24	Under Consideration	WO Issued, Work Started	KMDA
5	Jangipur	Jangipur(Near MianpurAjarpara Road0	3211.208	Yes	33.7	Under Consideration	Work in progress	KMDA
6	Halisahar	Ward 8 - Niranjan trenching ground	6799	Yes	55	Under Consideration	WO Issued, Work Started	KMDA
7	Kachrapara	Ward 12-13, Bidhanpally	24,282	Yes	71.79	Under Consideration	WO Issued, Work Started	KMDA
8	Krishnanagar	Ward 5- Goda Danga	51802	Yes	130	Under Consideration	WO Issued, Work Started	KMDA
9	Santipur	Ward 10- Moylar math	22,097	YEs	65.22	Under Consideration	WO Issued, Work Started	KMDA
10	Nabadwip	Ward 1- near Bishnupriya station	83,967	YEs	58.99	Under Consideration	WO Issued, Work Started	KMDA
11	Barrackpore	Ward 17- On old Kolkata Road	72,846	YEs	50	Under Consideration	WO Issued, Work Started	KMDA
12	Gayeshpur	Ward 16- near VS club	7479	Y	44.77	Under Consideration	WO Issued, Work Started	KMDA
	Gayeshpur	Ward 14- near SHG training centre	4986	Y	44.77	Under Consideration	WO Issued, Work Started	KMDA
13	DIAMOND HARBOUR	Beside NH 117 (Panchayet Area)	9349.86	YES	11.03	Under Consideration	WO Issued, Work Started	KMDA

SI No	Name of the City	Dumpsite location	Quantity of waste at dumpsite (Ton)	Is fresh waste still being dumped at the dumpsite	If yes-then quantity of waste being dumped (TPD)	Has remediation of Legacy waste been done (Y/N/under consideration)	If Y/under consideration- please attach Action Plan	Tender Issuing Authority
14	PANIHATI	1 KM from Sodepur Barasat Road, kanchkol Stopage	51767.35	YES	186	Under Consideration	WO Issued, Work Started	KMDA
15	KHARDAH	1km from Kalyani Expressway Ruiya Khardah Stoppage	46118	YES	68	Under Consideration	WO Issued, Work Started	KMDA
16	TITAGARH	Oppeside Side of ULB on BT Road	120886	60	Not Applicable	RFP prepared to be floted shortly	WO Issued, Work Started	KMDA
17	Uluberia	Ward No. 31, Beside NH-6	14,394	Yes	NA	Under Consideration	Work in progress	KMDA
	Uluberia	Ward No. 6, Bauria	14,000	Yes	NA	Under Consideration	Work in progress	KMDA
18	Hooghly-Chinsurah	Kedia – I GP, Sukantanagar	1,26,266	Yes	80	Under Consideration	WO Issued, Work Started	KMDA
19	Chandannagar MC	KolupukurVermi Compost Plant. KolupukurBhagar more Ward-8	2,15,916	Yes	40	Under Consideration	WO Issued, Work Started	KMDA
20	Jiaganj-Azimganj	Ghoramari (Azimganj Side)	19,426	Yes	8	Under Consideration	Work in progress	KMDA
21	Berhampore	KomolapurKhadamkh andi (ward no 2)	55,946	Yes	90	Under Consideration	WO Issued, Work Started	KMDA
22	Murshidabad	Kathgola Bagan (ward no 15)	94,059	Yes	NA	Under Consideration	WO Issued, Work Started	KMDA
23	Kalyani	Ward 6- near Kacharipara	38527	No	55	Under Consideration	WO Issued, Work Started	KMDA
	Kalyani	Ward 17- beside highway	22016	Yes	55	Under Consideration	WO Issued, Work Started	KMDA
24	Raiganj	Bandar Samshan(Ward 22)	38,463	Yes	80	Under Consideration	AA&FS Received and Lol Issued	KMDA
25	BARANAGAR	Belghoria Express Way	854726			Under Consideration	Work in progress	SUDA
26	KAMARHATI	(Punjab Villa), Agarpara East Station Road	155764	YES	150			
27	Kolkata MC	DHAPA Under W-58 OF BR-VII/KMC	4000000	Yes	4500	Under Consideration	Work in progress	KMC
	Kolkata MC	Gardenreach under borough 15	150000	Yes	5	Under consideration	Tender Under Evaluation	KMC

Sl No	Name of the City	Dumpsite location	Quantity of waste at dumpsite (Ton)	Is fresh waste still being dumped at the dumpsite	If yes-then quantity of waste being dumped (TPD)	Has remediation of Legacy waste been done (Y/N/under consideration)	If Y/under consideration- please attach Action Plan	Tender Issuing Authority
28	Dhuliyar	Dhuliyar(Near Ratanpur)	177.6	Yes	71	Under Consideration	Tender Floated	SUDA
29	Bhadreswar	Sanjay colony, N S Road,	2,733	Yes	23	Under Consideration	Tender floated for engagement of agency	SUDA
30	Bansberia	Ward no. 8 & 18	4,254	Yes	29	Under consideration	Tender Floated	SUDA
	Bansberia	Ward no. 22	3100	Yes	10	Under consideration	Tender Floated	SUDA
31	Howrah MC	Belgachia I, II	9,61,567	Yes	NA	Under Consideration	Tender Floated	HMC
	Howrah MC	Chandmari	11,655	Yes	NA	Under Consideration	Tender Floated	HMC

• Total Legacy waste Dump Site: 38 in 31 Ganga Towns (including Raiganj)

• Tender Floated by KMDA for 28 Dump sites (Including Raiganj)

A. Work Order Issued, Work Started : 28

• Legacy dump sites taken up by SUDA : 5

A. Work in progress : 1 (Promodnagar Cluster)

B. Tender floated : 1 (Bhadreswar)

C. Tender to be floated: 3 (Dhulian and two dumpsites at Bansberia)

• Legacy dump sites taken up by KMC : 2

A. Work Order to be issued soon : 1 (Dhapa)

B. Tender floated on 22.01.2021 : 1 (Gardenreach)

• Legacy dump sites taken up by HMC : 2

A. Tender Floated : 2

Townwise Progress of SWM Projects in 43 Ganga Towns

West Bengal

Sl. No.	Town	2011 Population	Total Waste Generation (TPD)	Ward-wise Status of SWM			Status of Waste Processing Plant(s) (all capacities are in TPD)						Remarks
				No. of Wards	Wards with D2D Collection	% Wards with D2D Collection	Plant Operational	Under Construction	DPR approved	DPR submitted for approval	DPR to be Prepared	Target Date for plant commissioning	
1	Baidyabati	121110	68	23	23	100%	30			38	0		Tender floated for compost plant for remaining waste.
2	Bansberia	103920	39	22	22	100%					39		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
3	Baranagar	245213	145	34	34	100%		50	95		0		Agency engaged for establishment of compost plant/ MRF/ SLF
4	Barrackpore	152783	50	24	24	100%					50		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
5	Berhampore	195223	90	28	28	100%					90		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
6	Bhadreswar	101477	23	22	22	100%					23		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
7	Bhatpara	383762	205	35	35	100%		95			110		95 TPD Windrow Compost Plant and SLF Under construction
8	Budge Budge	76837	37	20	18	90%					37		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
9	Chakdah	95203	68	21	21	100%					68		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
10	Chandpany	111251	59	22	16	73%	20			39	0		Tender floated for compost plant for remaining waste, Technical bid under evaluation.
11	Chandannagore MC	166867	46	33	33	100%					46		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
12	Dhulian	95706	45	21	21	100%					45		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
13	Diamond Harbour	41802	18	16	12	75%					18		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
14	Garulia	85336	45	21	21	100%					45		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
15	Gayeshpur	58998	60	18	18	100%					60		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
16	Haldia	200827	80	29	29	100%	65				15		65 TPD Waste Processing plant in operation.
17	Halisahar	124939	52	23	22	96%					52		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
18	Hooghly Chinsurah	177259	75	30	30	100%					75		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
19	Howrah MC	1077075	910	66	64	97%					910		DPR prepared
20	Jangipur	88165	40	21	21	100%					40		DPR prepared
21	Jiaganj-Azimganj	51790	21	17	15	88%					21		DPR prepared

Sl. No.	Town	2011 Population	Total Waste Generation (TPD)	Ward-wise Status of SWM			Status of Waste Processing Plant(s) (all capacities are in TPD)						Remarks
				No. of Wards	Wards with D2D Collection	% Wards with D2D Collection	Plant Operational	Under Construction	DPR approved	DPR submitted for approval	DPR to be Prepared	Target Date for plant commissioning	
22	Kalyani	100575	56	21	21	100%					56		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
23	Kamarhati	330211	155	35	32	91%			155		0		Agency engaged for establishment of compost plant/ MRF/ SLF
24	Kanchrapara	120345	64	24	23	96%					64		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
25	Katwa	81615	32	20	20	100%					32		DPR prepared
26	Khardah	108496	65	22	22	100%					65		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
27	Kolkata MC	4496694	4590	144	144	100%	500				4090		One 500 MT PD compost plant running
28	Konnagar	76172	30	20	20	100%	15			15			Tender floated for compost plant for remaining waste, Technical bid under evaluation.
29	Krishnanagar	153062	130	24	24	100%	70				60		130 TPD processing plant in operation
30	Maheshtala	448317	184	35	35	100%					184		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
31	Murshidabad	44019	32	16	15	94%					32		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
32	Nabadwip	125543	54	24	23	96%					54		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
33	Naihati	217900	165	31	31	100%		60			105		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
34	North Barrackpore	132806	47	23	23	100%					47		DPR Prepared
35	Panihati	377347	169	35	30	86%					169		Agency engaged for establishment of compost plant/ MRF/ SLF
36	Pujali	37047	15.6	16	0	0%					15.6		DPR Prepared.
37	Raiganj	183612	90	27	27	100%				90			Tender floated for compost plant for remaining waste, Technical bid under evaluation.
38	Rishra	124577	50	23	22	96%	22			28			Tender floated for compost plant for remaining waste, Technical bid under evaluation.
39	Santipur	151777	68	24	24	100%					68		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
40	Serampore	181842	90	29	29	100%	38				52		Tender floated for compost plant for remaining waste, Technical bid under evaluation.
41	Titagarh	116541	65	23	23	100%					65		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
42	Uluberia	222240	118	32	23	72%					118		DPR prepared. Tender floated for compost plant/ MRF/ SLF, Technical bid under evaluation
43	Uttarpara Kotrung	159147	90	24	24	100%	28			62			Tender floated for compost plant for remaining waste, Technical bid under evaluation.
Total		11745428	8535.6	1218	1164	96%	788	205	250	272	7021		

Status Report for Installation of Screen at the Drains

Serial No.	Name of the Ganga Town	No. of Nallahs discharging into Ganga	Nallahs having screens	No. of Nallahs where Screens yet to be installed	Date for completing installation of Screens	How many screens are temporary?	Date for making screens permanent	Whether regular cleaning arrangement exists	Remarks
1	Budiyabail	24	24	0	-	0	N.A.	Yes	
2	Barbaria	16	16	0	-	0	N.A.	Yes	
3	Barranagar	5	5	0	-	0	N.A.	Yes	
4	Barrackpore	2	2	0	-	0	N.A.	Yes	
5	Bhadreswar	6	6	0	-	0	N.A.	Yes	
6	Bhatpara	21	21	0	-	0	N.A.	Yes	
7	Budge Budge	3	3	0	-	0	N.A.	Yes	
8	Chaldah	0	0	0	-	-	-	-	
9	Chandernagore MC	9	9	0	-	0	N.A.	Yes	
10	Chitran	13	13	0	-	0	N.A.	Yes	
11	Diamond Harbour	7	7	0	-	0	N.A.	Yes	
12	Goyestpur	0	0	0	-	-	-	-	
13	Halisbar	11	11	0	-	0	N.A.	Yes	
14	Jangipur	16	16	0	-	0	N.A.	Yes	
15	Jhargul (Alimganj)	5	5	0	-	0	N.A.	Yes	
16	Kalyan	2	2	0	-	0	N.A.	Yes	
17	Kamrhat	11	11	0	-	0	N.A.	Yes	
18	Kanchrapara	0	0	0	-	0	N.A.	Yes	
19	Kewla	7	7	0	-	0	N.A.	Yes	
20	Khardah	12	12	0	-	0	N.A.	Yes	
21	Konnagar	6	6	0	-	0	N.A.	Yes	
22	Krishanagar	0	0	0	It is not a Ganga Town	0	N.A.	Yes	
23	Murshidabad	8	8	0	-	0	N.A.	Yes	
24	Nabadwip	3	3	0	-	0	N.A.	Yes	
25	Nalhati	4	4	0	-	0	N.A.	Yes	
26	North Barrackpore	11	11	0	-	0	N.A.	Yes	
27	Pandit	7	7	0	-	0	N.A.	Yes	
28	Pujali	2	2	0	-	0	N.A.	Yes	
29	Santipur	0	0	0	-	0	N.A.	Yes	
30	Serampore	15	15	0	-	0	N.A.	Yes	
31	Tiligah	3	3	0	-	0	N.A.	Yes	
32	Uttarpara, Korumung	9	9	0	-	0	N.A.	Yes	
33	Rishra	4	4	0	-	0	N.A.	Yes	
34	Hooghly-Chowrah	42	42	0	-	0	N.A.	Yes	
35	Libberia	10	10	0	-	0	N.A.	Yes	
36	Maheshtala	10	10	0	-	0	N.A.	Yes	
37	Chandany	3	3	0	-	0	N.A.	Yes	
38	Berhampur	33	33	0	-	0	N.A.	Yes	
39	Gurulia	10	10	0	31.10.2019	0	N.A.	Yes	
40	Haldia	8	8	0	13.02.2020	0	N.A.	Yes	
41	Kolkata MC	14	14	0		0	N.A.	Yes	
	TOTAL	372	372	0					
1	Hemraha MC	30	28	2	-	0	N.A.	Yes	2 belongs to KMDA, 2nos under Irrigation Dept. As per Exo. Engrs. all the works for installation of screen, has been awarded to KMDA & 2 nos screen has already been installed.
	TOTAL	30	28	2					
	GRAND TOTAL	402	400	2					

Supply of bins and vehicles for SWM to 43 Ganga Towns

Sl No	Municipality	District	Bins Supplied	Community Bin supplied	Battery Operated Tipper SEPARATED Supplied	Fuel Operated Tipper SEPARATED Supplied	Tri-Cycle Van supplied	Back Hoe Loader	Dumper	Movable Compactor	Stationary Compactor	Hook Loader
1	Katwa	Bardhaman	48000		6	5	20		1	1		
2	Kolkata MC											
3	Howrah MC	Howrah	388888									
4	Uluberia	Howrah	148408	696	6	6	20		1	3	1	1
5	Baidyabati	Hooghli	79800	528	12	10	54	1	1	2		
6	Bansberia	Hooghli	36000	528	5	4	15		1	2		
7	Bhadreswar	Hooghli	53678	528	12	6	20	1	1	2		
8	Chandannagar	Hooghli	EP	528	4	4	30		1	2		
9	Chandannagar MC	Hooghli	82592	858	14	6	20	1	1	3	1	1
10	Hooghly Chinsurah	Hooghli	92042	720	5	5	20	1	1	3		
11	Konnagar	Hooghli	EP		5	4	32	1	1	1		
12	Rishra	Hooghli	60138		10	14	35	1	1	2		
13	Serampore	Hooghli	20100	456	6	5	12	1	1	3		
14	Uttarpara Kotrung	Hooghli	42520	672	5	16	15	1	1	2		
15	Berhampore	Murshidabad	60656		6		20		1	3		
16	Dhuliyan	Murshidabad	40000		7	8	20	1	1	2		
17	Jangipur	Murshidabad	20650		6	6	20		1	2		
18	Jhaganj-Azimganj	Murshidabad	23412		5	4		1	1	1		
19	Murshidabad	Murshidabad	25490		6	5	20	1	1	1		
20	Chakdah	Nadia	58840		5	4	10		1	2		
21	Gayeshpur	Nadia	34000		4	4	10		1	1		
22	Kalyani	Nadia	51144		9	9	33	1	1	2		
23	Krishnanagar	Nadia	84616		8				1	2		
24	Nabadwip	Nadia	70926	504	10	6	20		1	2		
25	Santipur	Nadia							1	2		
26	Baranagar	North 24 Pgs	80000	200	5	5	20		1	5	1	1
27	Barrackpore	North 24 Pgs	75312		4	6	20		1	2		
28	Bhatpara	North 24 Pgs	EP		6				1	3	1	1
29	Garulia	North 24 Pgs	37764	378	5	5	12		1	2		
30	Halisahar	North 24 Pgs	67226		5	6	13	1	1	2		
31	Kamarhati	North 24 Pgs	190000	840	10	6	40	1	1	3	1	1
32	Kanchrapara	North 24 Pgs	55952	524	5	4	15		1	2		
33	Khardah	North 24 Pgs	52000	528	4	5	13		1	2		
34	Naihati	North 24 Pgs	2800	800	5	4	20		1	3	1	1
35	North Barrackpore	North 24 Pgs	65128	552	5	5	20		1	2	1	1
36	Panihati	North 24 Pgs	180000	552	5	5	20		1	3	1	1
37	Titagarh	North 24 Pgs	47738	552	6	5	12	1	1	2		
38	Haldia	Purba Medinipur	98400		6	5			1	3		
39	Budge Budge	South 24 Pgs	29476	420	5	4	20		1	1		
40	Diamond Harbour	South 24 Pgs	8200		5	4	12		1	1		
41	Maheshtala	South 24 Pgs	40141		11	6	12		1	4	1	1
42	Pujali	South 24 Pgs	18600		5	5	12		1	0		
43	Raiganj	Uttardinajpur	66388		14		20		1	3		
TOTAL=			2637025	11364	267	211	727	15	41	89	9	9

IHHL and ODF Status : 43 ULBs (Ganga Town)

1. Self Declared as ODF- 42 ULBs

2. ODF Inspection done by QCI- 37 ULBs

3. ODF Declared by QCI- 37 ULBs

4. ODF Inspection need to be done-6 ULBs

Sl No	District	ULB	Initial Target	Final Revised Target	Construction completed	Online uploaded as on 04.02.2021	ODF Inspection done by QCI	ODF Certified by QCI	Self Declared as ODF
1	HOOGHLY	Baidyabati	1303	632	632	629	Yes	Yes	Yes
2	HOOGHLY	Bansberia	2993	1140	1140	1140	No	Yes	Yes
3	HOOGHLY	Bhadreswar	3006	1200	1200	1200	No	Yes	Yes
4	HOOGHLY	Chamdany	2666	2315	1780	1609	Yes	Yes	Yes
5	HOOGHLY	Chandannagore MC	2860	144	144	144	Yes	Yes	Yes
6	HOOGHLY	Hooghly Chinsurah	6355	710	707	651	Yes	Yes	Yes
7	HOOGHLY	Konnagar	409	47	47	47	Yes	Yes	Yes
8	HOOGHLY	Rishra	1716	616	616	616	Yes	Yes	Yes
9	HOOGHLY	Serampore	1821	582	552	547	Yes	Yes	Yes
10	HOOGHLY	Uttarpara Kotrung	2409	183	183	183	Yes	Yes	Yes
11	HOWRAH	Howrah MC	6822	0	0	0	No	Not visited by QCI yet	Yes
12	HOWRAH	Uluberia	8837	8670	8670	8670	Yes	Yes	Yes
13	KOLKATA	Kolkata MC	68868	0	0	0	No	Not visited by QCI yet	No
14	MURSHIDABAD	Berhampore	1953	2837	2837	2837	Yes	Yes	Yes
15	MURSHIDABAD	Dhulia	6104	7990	7990	7990	Yes	Yes	Yes
16	MURSHIDABAD	Jangipur	2132	2702	2702	2702	Yes	Yes	Yes
17	MURSHIDABAD	Jiaganj-Azimganj	1888	2017	2017	2017	Yes	Yes	Yes
18	MURSHIDABAD	Murshidabad	1221	1500	1500	1500	Yes	Yes	Yes
19	NADIA	Chakdah	495	705	495	425	Yes	Yes	Yes
20	NADIA	Gayeshpur	574	519	519	519	Yes	Yes	Yes
21	NADIA	Kalyani	659	654	654	651	Yes	Yes	Yes
22	NADIA	Krishnanagar	1736	1817	1817	1817	Yes	Yes	Yes
23	NADIA	Nabadwip	2454	2454	2454	2454	Yes	Yes	Yes
24	NADIA	Santipur	2629	1852	1852	1852	Yes	Yes	Yes
25	NORTH 24-PGS	Baranagar	1355	516	516	516	Yes	Yes	Yes
26	NORTH 24-PGS	Barrackpore	2115	335	300	300	Yes	Yes	Yes
27	NORTH 24-PGS	Bhatpara	2346	1618	1574	1391	Yes	Yes	Yes
28	NORTH 24-PGS	Garulia	1323	222	222	222	Yes	Yes	Yes
29	NORTH 24-PGS	Halisahar	4502	163	163	163	No	Not visited by QCI yet	Yes
30	NORTH 24-PGS	Kamarhati	2621	342	300	300	Yes	Yes	Yes
31	NORTH 24-PGS	Kanchrapara	1366	704	704	702	Yes	Yes	Yes
32	NORTH 24-PGS	Khardah	908	208	208	205	Yes	Yes	Yes
33	NORTH 24-PGS	Naihati	1520	1115	1115	1115	No	Not visited by QCI yet	Yes
34	NORTH 24-PGS	North Barrackpore	2132	302	302	302	Yes	Yes	Yes
35	NORTH 24-PGS	Panihati	4193	1000	1000	985	Yes	Yes	Yes
36	NORTH 24-PGS	Titagarh	440	440	440	438	Yes	Yes	Yes
37	PURBA BARDHAMAN	Katwa	832	1232	1232	1232	No	Not visited by QCI yet	Yes
38	PURBA MEDINIPUR	Haldia	2813	2813	2813	2813	Yes	Yes	Yes
39	SOUTH 24-PGS	Budge Budge	2707	977	977	977	Yes	Yes	Yes

IHHL and ODF Status : 43 ULBs (Ganga Town)**1. Self Declared as ODF- 42 ULBs****2. ODF Inspection done by QCI- 37 ULBs****3. ODF Declared by QCI- 37 ULBs****4. ODF Inspection need to be done-6 ULBs**

Sl No	District	ULB	Initial Target	Final Revised Target	Construction completed	Online uploaded as on 04.02.2021	ODF Inspection done by QCI	ODF Certified by QCI	Self Declared as ODF
40	SOUTH 24-PGS	Diamond Harbour	896	1595	1595	1595	Yes	Yes	Yes
41	SOUTH 24-PGS	Maheshtala	45658	6562	6562	6562	Yes	Yes	Yes
42	SOUTH 24-PGS	Pujali	716	510	510	510	Yes	Yes	Yes
43	UTTAR DINAJPUR	Raiganj	5431	5911	5203	5203	No	Not visited by QCI yet	Yes
			215784	67851	66244	65731	Yes=37 No=6	Yes=37 No=6	Yes=42 No=1

Up to date Visited Ganga Ghat Report Summary

As per instruction of the Director SUDA the Ganga ghats & outfalls of different ULBs have been visited in compliance to the direction passed by the Hon'ble NGT and the detail reports are follows . The reports had already been shared with ULB to develop the existing situation of ghats.

Date of visit : 04.10.2020.

Name of ULB : **Bansberia Municipality, Hooghly .**

Out of existing 19 gangaghats 16 nos Ganga Ghat & screen under the above ULB have been visited along with the representative of ULB.. The photographs of all visited ganga ghat have been taken and recorded showing existing position & conditions of ghat.

Observation :

Tribeni Burning Ghat, (ward no 13) clothes of dead bodies are stacked at ghat, it should be removed immediately.

Ganges jute mill ghat (19): As stated by the ULB representative the extent from jute mill to river to be examined by the competent authority regarding pollution of water.

Ganesh Ghat (ward No 8): There is a toilet block including septic tank at ghat, in out let of septic tank chlorine chamber should be introduced in view of river pollution

In most of the ghats IEC are not found as the old IEC has been destroyed due to Amphan as stated by representative of ULB. Bins are found in most of the ghats but it should be properly placed.

Name of ULB : **Hooghly Chinsurah, Hooghly .**

Out of existing 32 gangaghats 11 nos Ganga Ghat & screen under the above ULB have been visited along with the representative of ULB.. The photographs of all visited ganga ghat have been taken and recorded showing existing position & conditions of ghat.

Observation:

Chunimia Ghat (3 no ward)

Cleaning is not done properly. There is Two dump sites. Garbage is stacked. The representative of concerned ULB has been requested to take action properly. No IEC found

Putli Ghat (13 no Ward)

There is dump site.

Ghanta Ghat (25no Ward)

No IEC found, there is dump site, irregular cleaning.

Sundeswar Tala ghat (25no Ward)

No Bins ,IEC are found, there is a dump site ,garbage is stacked at ghat

Shyam babur ghat (27no Ward)

Garbage is stacked,

In most of the Ghats IEC are not found as the old IEC has been destroyed due to Amphan as stated by representative of ULB. Bins are not found in most of the ghats and also not properly placed.

Jhora Ghat

Garbage stacked

Dutta Ghat

Ref Photograph No:

Name of ULB : Chandan NagoreMunicipal Corporation , Hooghly .

Out of existing 33 gangaghats 6 nos Ganga Ghat & screen under the above ULB have been visited along with the representative of ULB.. The phographs of all visited ganga ghat have been takenand recorded showing existing position & conditions of ghat.

Observation:

Over all most of the Ghats are clean, IEC are placed properly, in some cases specially in Asram Ghat) : Bins have been toppled down in to the river , the bins should be properly placed.

Kachari Ghat

Presence of garbage

Name of ULB : Bhadreswar Municipality , Hooghly .

Observation:

Out of existing 4 gangaghats 2 nos Ganga Ghat & screen under the above ULB have been visited along with the representative of ULB.. The phographs of all visited ganga ghat have been takenand recorded.showing existing position & conditions of ghat.

Over all most of the Ghats are clean, IEC are placed properly, No big Dump sites are found.

Bins and IEC should be placed properly.

Near Shiv tala Ghat II there is a STP and the extract of STP falls to Ganga, the representative of concerned ULB reported whether the extract of STP is properly treated or not, to be examined. The STP is maintained by KMDA.GVP is Identified. In most of the ghats IEC are not found as the old IEC has been destroyed due to Amphan as stated by representative of ULB.

Name of ULB : Chapdani Municipality, Hooghly.

Out of existing 3 gangaghats 3 nos Ganga Ghat & screen under the above ULB have been visited along with the representative of ULB.. The photographs of all visited ganga ghat have been taken and recorded showing existing position & conditions of ghat..

Observation:

Over all most of the Ghats are clean, IEC are placed properly, No big Dump sites are found. Bins and IEC should be placed properly. There is a Toilet Block in Tetultala ghat, in out let of septic tank chlorin chamber should be introduced in view of river pollution. In most of the ghats IEC are not found as the old IEC has been destroyed due to Amphan as stated by representative of ULB.

Name of ULB : Baidyabati Municipality, Hooghly.

Out of existing 34 gangaghats 5 nos Ganga Ghat & screen under the above ULB have been visited along with the representative of ULB.. The photographs of all visited ganga ghat have been taken and recorded showing existing position & conditions of ghat.

Addy Ghat

There is GVP

Over all most of the Ghats are clean, IEC are placed properly, No big Dump sites are found.

The Concerned ULB has arranged regularly the good awareness program in different Ganga ghats by showing IEC and by myking also.

Date of visit : 10.10.2020.

Name of ULB : Srerampore Municipality, Hooghly.

Out of existing 28 gangaghats 24 nos Ganga Ghat & screen under the above ULB have been visited along with the representative of ULB.. The photographs of all visited ganga ghat have been taken and recorded showing existing position & conditions of ghat.

Observation:

Dey Ghat (Ward No 14) William Carry road

On court Road, nearby the ghat there is secondary collection point, the that point should be cleared properly

Roy Ghat (Ward No 07) : The existing screen is not placed properly placed.

The most of the ghats are cleaned . In most of the ghats IEC are not found as the old IEC has been destroyed due to Amphan as stated by representative of ULB.

Name of ULB : **Rishra Municipality , Hooghly .**

Out of existing 10 gangaghats 10 nos Ganga Ghat & screen under the above ULB have been visited along with the representative of ULB.. The photographs of all visited ganga ghat have been taken and recorded showing existing position & conditions of ghat.

Observation:

In K.C. Day Ghat & J. C. Day Ghat GVP are shown, Most of screens are either not properly placed or presently damaged conditions.

The most of the ghats are cleaned . In most of the ghats IEC are not found as the old IEC has been destroyed due to Amphan as stated by representative of ULB.

Name of ULB : **Konnagore Municipality , Hooghly .**

Out of existing 14 gangaghats 5 nos Ganga Ghat & screen under the above ULB have been visited along with the representative of ULB.. The photographs of all visited ganga ghat have been taken and recorded showing existing position & conditions of ghat.

Observation:

In Bata Ghat ward no 13 there is screen with Sedimentation Tank but Screen is not properly placed.(

The most of the ghats are cleaned . In most of the ghats IEC are not found as the old IEC has been destroyed due to Amphan as stated by representative of ULB.

Name of ULB : **Uttarpara Municipality , Hooghly**

Out of existing 19 gangaghats 10 nos Ganga Ghat & screen under the above ULB have been visited along with the representative of ULB.. The photographs of all visited ganga ghat have been taken and recorded showing existing position & conditions of ghat. The ulb has also submitted the report in requisite format scan copy attached.

Observation:

Uttarpara Ferry Ghat (Ward No 15)

There is dump site along the Ganga, GT Road Opposite of More store. The representative of concerned ULB has been requested to clear the garbage and clean the site regularly.

Some ghats have been destroyed due to Amphan.

In most of the ghats IEC are not found as the old IEC has been destroyed due to Amphan as stated by representative of ULB.

Name of ULB : Howrah Municipal Corporation, Howrah .

Out of existing 44 gangaghats 30 nos Ganga Ghat & screen under the above ULB have been visited along with the representative of ULB.. The photographs of all visited ganga ghat have been taken and recorded showing existing position & conditions of ghat. The ulb has also submitted the report in requisite format scan copy attached.

Observation:

Enter the river bank Ghosuri -Gossai Ghat to Putul Ghat & Bandha ghat there is Dump site. Along Jaganath Ghat 1 to v Jaganath Ghat 2, Ghoshes lane , Belur math there is garbage & extract of factory are stacked. Pier of Bridge there is huge garbage surrounding the pillars. Most of the existing screen either damaged or not properly placed. The entire condition is not satisfactory.

Most the ghats IEC, bins are not found.

All the ULB may be asked to take prompt actions in compliance with above site visit report in view of :

- a) Regular sweeping should be done around ghats .
- b) Screen should be fixed on Drains discharging to River Ganga and screen should be cleaned regularly.
- c) There should not be any open dumpsite along The Ganga River (within 1 km from banks).
- d) There should not be any Garbage Vulnerable Point (GVP) near Gangaghats.
- e) Litter bins should be placed at ghats and cleaned regularly.
- f) Public awareness & IEC activities should be organised by displaying poster, banner, leaflets and milking.

DISTRICT : HOWRAH

Name Of ULB : ULUBERIA MUNICIPALITY

DATE OF VISIT :04.12.2020

Observation : Out Of 30 ghats 11 Nos ghats are important and those important ghats have been visited, cleaning of ghat is satisfactory, No dump sites are found only garbage are stacked at old Hospital ghat. At Kalibari Ghat there is open toilet, in out fall no screen is found, Small GVP at Jhautala Ghat, Sinduria Mahal South Bauria Burning Ghat : Along the bank some garbage are stacked which should be cleared regularly

In most of the ghats Bins , IEC are Not placed properly.

Vide Photos –Achipur Ghat kalibari Ghat – Open Toilet Out fall Img_9523. Old Ghat(Near Out Fall) Jhautala Ferry Ghat, Sinduria Mahal South Bauria Burning Ghat.

DISTRICT : North 24 PGS

Name Of ULB : GARULIA MUNICIPALITY

DATE OF VISIT- 09.12.2020

Observation: Out of 16 Ghats and outfall as stated by ULB 14 no ghats and outfalls have been visited. In most of the ghats there is no IEC . Small GVP are starcked near Babu ghat, Thakur bari Ghat,Ratneswar Ghat, SS Jute Mill Ghat, Sidheswari ghat, Old Burning Ghat. Big and huje Garbage are stacked near the bank of Sundarbhata khal and pacha Khal.

Name Of ULB : BHATPARA MUNICIPALITY

DATE OF VISIT- 09.12.2020

Observation: Out of 27 ghats & out falls haveen visited along with the Chairman, Bhatpara & Engineer & other representatives of Bhatpara have been visited In mos of the ghats are cleaned, but along the bank garbages are stacked. In most of the out falls screens are not found or placed properly. On the banks there are so many JUTE MILLS/ Paper mills along the bank from which some influents are coming directly to the River Ganga, this matter should be informed to PCB for taking preventive measure. In Most of the ghats IEC are,Litre bins are not found. The IEC are are damaged/ destroyed due to Amphan. The ULB should be instructed to remove the garbage stacked along the river bank vide attached photographs and to make arrange to clean regularly.

Name Of ULB : BARRACKPORE MUNICIPALITY **DATE OF VISIT- 09.12.2020**

Observation: Out of 5 nos Ghats as stated by ULB we have visited 5 nos of ghats . At Rasmoni Ghat and Burning ghat there is a Toilet Block with septic tank without Chlorination chamber. In ferry ghats (Dhubi Ghat) there is no IEC bins are not properly placed. There is a big dumping yard this ghat is duly maintained by Cantonment. Board. And the representative said board i.e. CEO and SI of Cantonment Board have been instructed to clear the Dumpsite immediately. They have already taken the action as reported by SI Cantonment. There is outfall in Dhubi Ghat without screen. A screen should be placed immediately.

Name Of ULB : NAIHATI MUNICIPALITY

DATE OF VISIT- 15.12.2020

Observation : Out of 10 no ghats and 5 outfall as stated by ULB 10 no ghats and 5 nos outfall have been visited. There are some dumpsite and GVP (garbage starck) at : Chai ghat,Goalapara ghat, Mitrapara ghat, Shibatala Ghat. In most of the Ghats IEC are not found.IEC has been destroyed due to Amphan as stated by ULB. In ferry ghat and burning Ghat there are toilet block without Chloriation Chamber. In Naihati ferry Ghat, Swapnabiti Ghat,Makreswartala Ghat there are some outfall but no screens are found.

Name Of ULB : HALISAHAR MUNICIPALITY DATE OF VISIT- 15.12.2020

Observation : Out of 22 no ghats and outfall as stated by ULB 17 no ghat and outfalls have been visited . In most cases IEC are not found, It has been destroyed/damaged due to Amphan as stated by ULB. There are GVP and Dumping garbages are found in the ghats: Shyam Sundari Ghat,Jagannath Ghat,Sadhu Ghat, Halisahar Burning Ghat,Barendra gali Ghat and along the Bank of river Ganga.There is outfall at Balurpara Ghat and Lalkuthi Outfall but no screens have been found.

Name Of ULB : TITAGARH MUNICIPALITY

DATE OF VISIT-16.12.2020

Observation: Out of ...06 ghats as stated by ULB 6 no ghats have been visited .

Laxmi ghat : One the way to ferry ghat road closed to the ferry ghat there is some GVP.There is No IEC. There is damaged screen in the outfall. There is also toilet block.

Titagarh Jute mill : There is a small GVP

Titagarh Wagon factory : On the bank of the river ganga some factory material are starcked and some extracted from factory false to the river as stated by ULB the matter should be noticed to ULB as well as to the factory

Pir Ghat ; Near kelvin Jute mill there are two GVP it should be clear immediately

Name Of ULB : NORTH BARRACKPORE MUNICIPALITY

DATE OF VISIT- 16.12.2020

Observation: 6 no ghats are visited .

Debitala Ferry Ghat : IEC should be in proper manner There is a big GVP and there is Dum Site. The dum site should be stopped and gvp should be clear immediately.In outfall damaged screens is found. It should be replaced immediately.

Biswas Ghat : There is a small GVP and IEC is not properly placed

Gazitala Ghat : there is a small GVP and one open urinal without chlorination chamber is found.

Nababganj Burning Ghat : IEC is not properly placed.

Name Of ULB : PANIHATI MUNICIPALITY

DATE OF VISIT- 18.12.2020

Observation: Out of 37 ghats 22 no ghats have been visited. There are some GVP or garbage strack near 1. Mahesswartala ghat2.Baroari ghat.3 Boser ghat4.Baromandir Ghat, Sahebbagan Ghat,Niharika Ghat, Haridas Samanto Ghat, Rajabagan Ghat, Sukhchar bazara

para Ghat, Kasaripara Ghat In most of the ghats IEC are not found or not in proper position. Screens and maheswartala ghat and giribala ghat are damaged. There is a outfall near Trannath Kalibari ghat there is a outfall but no screen are not found.

Name Of ULB : KHARDHA MUNICIPALITY

DATE OF VISIT- 18.12.2020

Observations : Out of ...ghats as stated by ULB, 9 no ghats have been visited

Shyam Sundar Ghat : There is a Open urinal without chlorination chamber

Camp Ghat2 : There is a outfall but no screen is found

In most of the ghats proper IEC are not found, it has been destroyed / damaged due to Amphan as stated by ULB representative.

Name Of ULB : BARANAGORE MUNICIPALITY

DATE OF VISIT- 24.12.2020

Observation : Ten number ghats have been visited

.Kuthi Ghat : No IEC is found, there is small GVP

Laltu Babur Ghat : No IEC is found, It is private ghat.

Back side Of Abasahan : Trotini, 69 Amritalal Dana Road : Huge garbage with plastic is stacked along the bank , It is very important -ULB should take immediate action on cleaning the existing garbage and should take action for non stacking of garbage further. During visit SI Baranagore Municipality has been instructed to take action for the same.

Thakur Abanindranath Burning Ghat : There is toilet block Without CL. Chamber.

Alam Bazar BSF Camp Lock Ghat : One Big & small screen are damaged & non functioning condition, There is toilet block Without CL. Chamber

Name Of ULB : Kamarhati MUNICIPALITY

DATE OF VISIT- 24.12.2020

Observation : Out of 26 ghats main 09 no of ghats have been visited.

DD Mondal Ghat :IEC is not found, there is a khatal. There are two nos of screen but those are not properly placed..

Mala para ghat : :IEC is not found,there is a outfall without screen.

Phari Ghat : There is open urinal . There is secondary collection point vat, but it is cleared regularly as stated by ULB SI.

Madhu Roy ghat : IEC is not found,

Ferry Ghat : There is Private toilet block structure which should be reved immediately.

Miloni Char mandir Ghat : Near this ghat there is Intake Jetty (Raw water) for Kamarhati Treat plant which is maintained by KMDA. Around the piers of Intake Jetty Garbage, even dead bodies of animals are found in stacking position , it should be cleared regularly.

Rathtala Ghat : There is a out fall, the matter is related to PCB.

. Recommendation of Preventive Measure For All Above ULBS

- i) Stacked garbage's along the entire river bank, ghat, Road should be cleared by engaging lot of conservancy staffs/ labors, equipments within the time bound schedule by ULB.
- ii) Routine & regular cleaning of ghats, river bank, roads to be done by ULB.
- iii) In Every ghats Bins will be placed properly and the stacked garbages will be cleared regularly.
- iv) Proper Permanent nature of IEC will be erected at each Ghat for awareness programs. Regular Miking at lunch ghat/market place regarding awareness of cleaning of Ganga Ghat, river bank in compliance with NGT order.
- v) Proper arrangements /device to be installed at burning Ghat to control air pollution with guidance of WBPCB.
- vi) Solid waste Management Rules 2016, Policy and Strategy on Solid Waste Management for Urban Areas of West Bengal, 2017 and Plastic Waste Management Rules,2016 should be followed which are available in the website.
- vii) The regular routine cleaning work and monitoring work may be recorded under the control of SBM Nodal, Engineer, SI of ULB.

District : MURSHIDABAD
BEHARAMPORE MUNICIPALITY,

Date of Visit : 4th Feb'21 & 5th Feb'21.

The undersigned along with the Executive Engineer, Assistant Engineer, WBPCB, Executive Officer, SAE, SI of Beharampore Municipality visited the different ghats & out falls on the above mentioned dates.

Ganga ghat & River Bank

The above team visited 25 nos Of major Ganga Ghats , the sites along the bank of River Ganga .

Name Of Ghats & Outfalls :

ALONG THE RIVER BANK OF NAJRUL ISLAM OUTFALL -RAJAGANJ GHAT 5541, On ward Rajaganj Ghat river Bank-

SAIDABAD MANINDRA CHANDRA BIDYAPITH GHAT- Saidabad RAJBARI GHAT-, THAKURPARA GHAT-5 NIALISH PARA FERRY GHAT-, SABUJ SANGHA GHAT-, G.T.I SCHOOL GHAT, UMASUNDARY GHAT -, UMASUNDARY GHAT -2-

UMASUNDARY GHAT -3 - , GORABAZAR GHAT- GORABAZAR GHAT-2(-Phari)- GORABAZAR FERRY GHAT-, BACKSIGHT OF K N COLLAGE GHAT-, GANDHI CLONI RIVER BANK -, KHAGRA BURNING GHAT- (Floating of Pillo)

Along the Kaji Najrul Isalam Sarani-, Gopal Ghat- Stacked of Building Material at Saidabad Raj bari ghat : Structure at Along The River Bank-,Still : In between Manindra & Rajaganj Ghat – (Garbage and also open toilet)

Overall Observation :

Litre Bins are found only in 10 nos of ghats. But most of the bins are not properly placed. In most of the ghats IEC for awareness programs are not found. At three or four ghats small IEC are found. IEC are not in proper manner. Each and every ghats small GVP even at some places along the river bank huge garbage are stacked. The river bank is not cleaned properly and regularly. In burning ghat there is no Litre Bins for which clothes of dead body, pilo, quilts etc are shown to float at River ganga. In burning ghat no arrangements /device has been installed to control the air pollution. In the river bank on wards burning ghat there is the dump site. Along the Road within 500 mtrs there is also secondary dumpsite point.

Along the entire river bank there are so many permanent & temporary nature structures. Building materials, i.e. sand, stone chips, bricks are stacked along river bank. The entire matter has been noticed to EO, SAE, SI Beharampore Municipality.

Recommendation for Preventive Measure

- i) Stacked garbage's along the entire river bank, ghat, Road should be cleared by engaging lot of conservancy staffs/ labors, equipments within the time bound schedule by ULB
- ii) Routine & regular cleaning of ghats, river bank, roads to be done by ULB.
- iii) No Dumpsite will be allowed along the River bank. The existing dump site along the river bank will be removed immediately.
- iv) No secondary collection point on Road side near river bank will be allowed
- v) In Every ghats Bins will be placed properly and the stacked garbages will be cleared regularly. On emergency basis immediately minimum two nos of bins to be placed at existing Burning ghats.
- vi) Proper Permanent nature of IEC will be erected at each Ghat for awareness programs. Regular Miking at lunch ghat/market place regarding awareness of cleaning of Ganga Ghat, river bank in compliance with NGT order.
- vii) Proper arrangements /device to be installed at burning Ghat to control air pollution with guidance of WBPCB
- viii) Regarding Existing structure at river bank steps to be followed in accordance the guideline of competent authority and in compliance with NGT order.
- ix) Solid waste Management Rules 2016, Policy and Strategy on Solid Waste Management or Urban Areas of West Bengal, 2017 and Plastic Waste Management Rules, 2016 should be followed which are available in the website.
- x) The regular routine cleaning work and monitoring may be recorded under the control of SBM Nodal, Engineer, SI of Beharampore. Municipality.

Overall Observation

In most of existing Gratings/screens are damaged. Some grating are stolen as reported by representative of ULB. Regular cleaning of gratings/screens are not done properly as a result plastic/other hard materials stacked at the gratings.

Photograph References For Screens/Out Fall

KUNJA GHATA-(Damaged)-5499, NAJRUL ISLAM SARANI near SANII MANDIR – 5511 (Garbages properly not cleaned)

RAJAGANJ OUTFALL –(SCREEN NOT PROPERLY PLACED), SAIDABAD SATSANG- No screen
Bara Bat tala Gora Bazar Lock Gate : - Garbage not cleared

B.T. College Ghat (Bat tala ghat)- (Garbage not cleared)

Recommendation of Preventive Measure

- i) Damaged gratings/Screens must be replaced immediately by new gratings/Screens immediately.
- ii) Arrangements for Regular cleaning of Gratings/ screens to be done by Beharampore Municipality. The disposed material should be disposed at dumpsite soon after sun drying with covered vehicle.
- iii) The regular cleaning routine work and monitoring may be recorded under the control of SBM Nodal, Engineer, SI of Beharampore Municipality.

Report of visit Ganga Ghats and Out falls of Murshidabad Municipality,.

Date of Visit : 5th Feb'21.

Regarding Ganga Ghats

The undersigned along with the Executive Engineer, Assistant Engineer, WBPCB, Assistant Engineer KMDA, Executive Officer, AE, SI of **Murshidabad** Municipality on the above mentioned dates.

Observation : 06 nos important ghats have been visited by the team. The UIB has submitted the filled up formats of Ghats & Out falls

BURNING GHAT (LALBAGH) : there is GVP. Pollution control device/arrangement is erected to electric chimney to control the air pollution . For garbage vide Image :

SADAR FERRY GHAT there is GVP vide Image BRIDGE GHAT BESIDE (HAJARDUARY) : there is GVP .Litre Bins IEC are not placed properly. Over all the ghats are cleaned.

Recommendation of Preventive Measure

- i) Stacked garbage's along the entire river bank, ghat, Road should be cleared by engaging lot of conservancy staffs/ labors, equipments within the time bound schedule by ULB.
- ii) In Every ghats Bins will be placed properly and the stacked garbages will be cleared regularly.

vi) Proper Permanent nature of IEC will be erected at each Ghat for awareness programs. Regular Miking at lunch ghat/market place regarding awareness of cleaning of Ganga Ghat, river bank in compliance with NGT order.

Regarding Out falls

In Murshidabad 75% effluent discharge to Gobranala not directly to river Ganga& 25% effluent discharge to PHE STP Plant as stated by AE Murshidabad. Only at rainy seasons some part of effluent discharge to Ganga due to over flow. However screens have been installed in the month of feb'2018.

Screens of NEW PALACE OUTFALL is damaged.

Recommendation For Preventive Measure

The damaged screen should be replaced immediately. Stacked garbage at screen should be cleared regular basis.

Report on Solid Waste Management of Polluted River Stretch

Vidhadhari River between the polluted river stretch from Haroa Birdge to Malancha Burning Ghat

A. Barasat

1. Quantity of waste (TPD):130
2. Door to Door Collection of Waste: 100%
3. Supply of green and blue household bins for ensuring segregation of waste at source: 219748
4. SWM Vehicles provided for ensuring scientific transportation of waste: Battery Operated Tipper:5; Tri Cycle Van: 20; Dumper: 1; Movable Compactor: 3
5. Status of tender for fresh waste processing and 10 Years O&M: Financial Bid opened and Evaluation under process
6. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Agency engaged, work started.

B. Madhyamgram

1. Quantity of waste (TPD): 58
2. Door to Door Collection of Waste: 100%
3. Supply of green and blue household bins for ensuring segregation of waste at source: 140000
4. Supply of green and blue community bins for ensuring segregation of waste at source: 600
5. SWM Vehicles provided for ensuring scientific transportation of waste: Fuel operated Tipper:6; Battery Operated Tipper:5; Tri-Cycle Van: 20, Dumper: 1; Movable Compactor: 3
6. Status of tender for fresh waste processing and 10 Years O&M: Financial Bid opened and Evaluation under process.

7. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Agency engaged, work started.

C. New Barrackpore

1. Quantity of waste (TPD): 29.8
2. Door to Door Collection of Waste: 100%
3. Supply of green and blue household bins for ensuring segregation of waste at source: 69310
4. SWM Vehicles provided for ensuring scientific transportation of waste: Battery Operated Tipper: 5; Tri-Cycle Van: 20, Dumper: 1; Movable Compactor: 1
5. Status of tender for fresh waste processing and 10 Years O&M: Agency engaged, work started.
6. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Agency engaged, work started.

D. North Dumdum

1. Quantity of waste (TPD): 165
2. Door to Door Collection of Waste: 100%
3. Supply of green and blue household bins for ensuring segregation of waste at source: 80000
4. Supply of green and blue community bins for ensuring segregation of waste at source: 552
5. SWM Vehicles provided for ensuring scientific transportation of waste: Fuel operated Tipper: 5; Battery Operated Tipper: 30; Tri-Cycle Van: 12, Dumper: 1; Movable Compactor: 1
6. Status of tender for fresh waste processing and 10 Years O&M: Agency engaged, work started.

7. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Agency engaged, work started.

Mahananda River between the polluted river stretch from Siliguri to Binaguri

Siliguri MC

1. Quantity of waste (TPD): 380
2. Door to Door Collection of Waste: 100%
3. Supply of green and blue household bins for ensuring segregation of waste at source: 215576
4. SWM Vehicles provided for ensuring scientific transportation of waste: Battery Operated Tipper:14; Dumper: 1; Movable Compactor: 2
5. Status of tender for fresh waste processing and 10 Years O&M: Financial Bid opened and Evaluation under process
6. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Agency engaged, work started.

Churni River between the polluted river stretch from Santipur town to Majhadia

Ranaghat

1. Quantity of waste (TPD): 25.89
2. Door to Door Collection of Waste: 90%
3. Supply of green and blue household bins for ensuring segregation of waste at source: Provided earlier
4. SWM Vehicles provided for ensuring scientific transportation of waste: Fuel operated Tipper: 4; Dumper: 1; Movable Compactor: 1
5. Status of tender for fresh waste processing and 10 Years O&M: Financial Bid opened and Evaluation under process.
6. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Agency engaged, work started

Dwarka River between the polluted river stretch from Tarapith to Swadhak Bamdeb Ghat

Rampurhat

1. Quantity of waste (TPD): 105
2. Door to Door Collection of Waste: 100%
3. Supply of green and blue household bins for ensuring segregation of waste at source: 34512
4. SWM Vehicles provided for ensuring scientific transportation of waste: Battery operated Tipper: 6; Tri Cycle Van:20; Dumper: 1; Movable Compactor: 1.
5. Status of tender for fresh waste processing and 10 Years O&M: Financial Bid opened and Evaluation under process.
6. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Agency engaged, work started

Damodar River between the polluted river stretch from Durgachakm to Dishergarh

A. Asansol

1. Quantity of waste (TPD): 654
2. Door to Door Collection of Waste: 85%
3. Supply of green and blue household bins for ensuring segregation of waste at source: 94094
4. Supply of green and blue community bins for ensuring segregation of waste at source: 1716.
5. SWM Vehicles provided for ensuring scientific transportation of waste: Fuel operated Tipper: 43; Dumper: 1; Movable Compactor: 2
6. Status of tender for fresh waste processing and 10 Years O&M: Financial Bid opened and Evaluation under process.
7. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Financial Bid opened and Evaluation under process.

B. Durgapur

1. Quantity of waste (TPD): 402.63
2. Door to Door Collection of Waste: 77%
3. Supply of green and blue household bins for ensuring segregation of waste at source: 278516
4. SWM Vehicles provided for ensuring scientific transportation of waste: Tri Cycle Van: 12; Fuel operated Tipper: 24; Dumper: 1; Movable Compactor: 2

5. Status of tender for fresh waste processing and 10 Years O&M: Financial Bid opened and Evaluation under process.
6. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Financial Bid opened and Evaluation under process.

Jalangi River between the polluted river stretch from Lal Dighi to Krishnagar

Krishnagar

1. Quantity of waste (TPD): 130
2. Door to Door Collection of Waste: 100%
3. Supply of green and blue household bins for ensuring segregation of waste at source: to be provided shortly
4. SWM Vehicles provided for ensuring scientific transportation of waste: Battery operated Tipper: 8; Tri Cycle Van: 44; Dumper: 1; Movable Compactor: 1
5. Status of tender for fresh waste processing and 10 Years O&M: Plant in operation.
6. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Agency engaged, work started.

Kansi River between the polluted river stretch from Midnapur to Ramnagar

Midnapore

1. Quantity of waste (TPD): 87.3
2. Door to Door Collection of Waste: 75%
3. Supply of green and blue household bins for ensuring segregation of waste at source: 60880
4. SWM Vehicles provided for ensuring scientific transportation of waste: Fuel operated Tipper: 2; Tri Cycle Van: 20; Dumper: 1; Movable Compactor: 2
5. Status of tender for fresh waste processing and 10 Years O&M: Financial Bid opened and Evaluation under process.
6. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Agency engaged, work started

Baraka River between the polluted river stretch from Kulti to Asansol

Asansol MC

1. Quantity of waste (TPD): 654

2. Door to Door Collection of Waste: 85%
3. Supply of green and blue household bins for ensuring segregation of waste at source: 94094
4. Supply of green and blue community bins for ensuring segregation of waste at source: 1716.
5. SWM Vehicles provided for ensuring scientific transportation of waste: Fuel operated Tipper: 43; Dumper: 1; Movable Compactor: 2
6. Status of tender for fresh waste processing and 10 Years O&M: Financial Bid opened and Evaluation under process.
7. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Financial Bid opened and Evaluation under process.

Dwarakeswar River polluted river stretch Along Bankura

Bankura

1. Quantity of waste (TPD): 75
2. Door to Door Collection of Waste: 100%
3. Supply of green and blue household bins for ensuring segregation of waste at source: 56438
4. SWM Vehicles provided for ensuring scientific transportation of waste: Tri-Cycle van: 20; Battery operated Tipper: 8; Dumper: 1; Movable Compactor: 1.
5. Status of tender for fresh waste processing and 10 Years O&M: Financial Bid opened and Evaluation under process.
6. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Agency engaged, work started

Kaljini River between the polluted river stretch from Bitala to Alipurduar

Alipurduar

1. Quantity of waste (TPD): 35.65
2. Door to Door Collection of Waste: 100%

3. Supply of green and blue household bins for ensuring segregation of waste at source: 35112
4. Supply of green and blue community bins for ensuring segregation of waste at source: 420.
5. SWM Vehicles provided for ensuring scientific transportation of waste: Battery operated Tipper: 14; Tri Cycle Van: 20; Dumper: 1; Movable Compactor: 1.
6. Status of tender for fresh waste processing and 10 Years O&M: Financial Bid opened and Evaluation under process.
7. As interim measure SUDA has engaged an organization at Alipurduar Municipality for providing handholding support to the municipality for end to end solution of SWM activities including IEC and Low Cost Processing of Waste.

Karola River between the polluted river stretch from Jalpaiguri to Thakurer Kamat

Jalpaiguri

1. Quantity of waste (TPD): 55
2. Door to Door Collection of Waste: 100%
3. Supply of green and blue household bins for ensuring segregation of waste at source: 22560
4. SWM Vehicles provided for ensuring scientific transportation of waste: Battery Operated Tipper: 6; Tri-cycle van: 10; Dumper: 1; Movable Compactor: 2
5. Status of tender for fresh waste processing and 10 Years O&M: Financial Bid opened and Evaluation under process.
6. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Agency engaged, work started

Mayurakshi River between the polluted river stretch from Suri to Durgapur

A. Suri

1. Quantity of waste (TPD): 60
2. Door to Door Collection of Waste: 100%

3. Supply of green and blue household bins for ensuring segregation of waste at source: 38252
4. SWM Vehicles provided for ensuring scientific transportation of waste: Battery operated Tipper: 7; Tri Cycle Van: 12; Dumper: 1; Movable Compactor: 1.
5. Status of tender for fresh waste processing and 10 Years O&M: Financial Bid opened and Evaluation under process.
6. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Tender matured, awaiting for AA&FS of Finance Department.

B. Sainthia

1. Quantity of waste (TPD): 32
2. Door to Door Collection of Waste: 100%
3. Supply of green and blue household bins for ensuring segregation of waste at source: 26606
4. SWM Vehicles provided for ensuring scientific transportation of waste: Battery operated Tipper: 5; Dumper: 1; Movable Compactor: 1
5. Status of tender for fresh waste processing and 10 Years O&M: Requested DM for Identification of land.
6. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Agency engaged work started.

Rupnarayan River between the polluted river stretch from Kolaghat to Benapur

Tamralipta

1. Quantity of waste (TPD): 15
2. Door to Door Collection of Waste: 100%
3. Supply of green and blue household bins for ensuring segregation of waste at source: 25356
4. SWM Vehicles provided for ensuring scientific transportation of waste: Battery operated Tipper: 7; Tri-cycle van: 12; Dumper: 1; Movable Compactor: 1

5. Status of tender for fresh waste processing and 10 Years O&M: Requested DM for Identification of land.
6. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Tender matured, awaiting for AA&FS of Finance Department.

Shilabati River between the polluted river stretch from Ghatal to Nischindipur

Ghatal

1. Quantity of waste (TPD): 24.00
2. Door to Door Collection of Waste: 65%
3. Supply of green and blue household bins for ensuring segregation of waste at source: 22606
4. SWM Vehicles provided for ensuring scientific transportation of waste: Battery Operated Tipper: 6; Dumper: 1; Movable Compactor: 1
5. Status of tender for fresh waste processing and 10 Years O&M: Land identification for tender under process.
6. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Tender matured, awaiting for AA&FS of Finance Department.

Teesta River between the polluted river stretch from Siliguri to paharpur

Siliguri MC

1. Quantity of waste (TPD): 380
2. Door to Door Collection of Waste: 100%
3. Supply of green and blue household bins for ensuring segregation of waste at source: 215576
4. SWM Vehicles provided for ensuring scientific transportation of waste: Battery Operated Tipper:14; Dumper: 1; Movable Compactor: 2
5. Status of tender for fresh waste processing and 10 Years O&M: Financial Bid opened and Evaluation under process
6. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Agency engaged, work started.

IHHL and ODF Status of the 18 ULBs (RRC Town)

Self Declared as ODF- 17 ULBs

ODF Declared by Gol- 10 ULBs

Sl No	District	ULB	Initial Target	Further Revised Target	Construction completed	% of Construction Completion	Construction ongoing	Construction yet to start	Online uploaded	% of geo tagging against construction	No of Geo tag pending	Self Declared as ODF	ODF declared by Gol
1	ALIPURDUAR	Alipurduar	2019	1959	1959	100.00	0	0	1959	100.00	0	Yes	No
2	Paschim Bardhaman	Asansol MC	47001	19177	17143	89.17	2034	0	14595	85.14	2548	No	No
3	BANKURA	Bankura	6627	3407	3407	100.00	0	0	3407	100.00	0	Yes	No
4	Paschim Bardhaman	Durgapur MC	18688	30708	30708	100.00	0	0	30708	100.00	0	Yes	Yes
5	PASCHIM MEDINIPUR	Ghatal	2310	900	900	100.00	0	0	900	100.00	0	Yes	Yes
6	JALPAIGURI	Jalpaiguri	865	1260	1222	96.98	38	0	1039	85.02	183	Yes	No
7	NADIA	Krishnanagar	1736	1817	1817	100.00	0	0	1817	100.00	0	Yes	Yes
8	PASCHIM MEDINIPUR	Midnapore	3184	3326	3326	100.00	0	0	3326	100.00	0	Yes	Yes
9	BIRBHUM	Rampurhat	1806	1423	1423	100.00	0	0	1423	100.00	0	Yes	Yes
10	NADIA	Ranaghat	603	1018	1018	100.00	0	0	1018	100.00	0	Yes	Yes
11	BIRBHUM	Sainthia	3498	1250	1250	100.00	0	0	1250	100.00	0	Yes	Yes
12	DARJEELING	Siliguri MC	3055	4083	3859	75.48	106	118	1813	46.98	2046	Yes	No
13	BIRBHUM	Suri	1848	1876	1876	100.00	0	0	915	48.77	961	Yes	No
14	PURBA MEDINIPUR	Tamralipta	2042	2542	2542	100.00	0	0	2288	90.01	254	Yes	No
15	North 24 Pgs	Barasat	14405	3016	3016	100.00	0	0	2981	98.84	35	Yes	Yes
16	North 24 Pgs	Madhyamgram	3965	1169	1169	100.00	0	0	1169	100.00	0	Yes	Yes
17	North 24 Pgs	New Barrackpore	1094	893	893	100.00	0	0	893	100.00	0	Yes	Yes
18	North 24 Pgs	North Dum Dum	9217	332	332	100.00	0	0	332	100.00	0	Yes	No
			123963	80156	77860	97.1	2178	118	71833		6027	Yes=17 No=1	Yes=10 No=8

Note on Bidyadhari River (Priority-I River)

Executing Agency- KMDA and PHED

- Preliminary Survey work completed.
- Primarily 3 (three) canals (Bhangar Kata Khal, Bagjola Canal and SWF/DWF Canal) are discharging into the river Bidyadhari on the 20 km stretch from Haroa Bridge to Malancha.
- 2 (two) nos. STPs are proposed to be constructed to treat the discharge of Bhangar Kata Khal and DPR has already been finalized by KMDA.
- Process of Identification of Land and suitable STP is under process for treating the discharge from the Bagjola Canal.
- Sewage from the SWF/DWF Canal is treated naturally at East Kolkata Wetland where sewage is treated by the natural process. Moreover a 20 MLD ETP for treating the tannery waste of Bantala Leather Complex has been commissioned recently.
- To improve the water quality of the river Bidyadhari, the entire upper stretch above Haroa Bridge to Malancha Burning ghat has to be considered. Preliminary survey reveals that STPs need to be constructed for Barasat, Madhyamgram, New Barrackpore, Rajarhat-Gopalpur, North Dumdum and Dumdum Municipalities.
- IIT, Kharagpur has been entrusted for detailed investigation, quantification of pollution, preparation of concept plan to combat the pollution and preparation of Detailed Project Report based on concept plan for implementation. They have submitted an Interim Report.

ANNEXURE-III (35 nos. drain Detail)

1. Status of Polluted Drains discharging to river Ganga.

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abetment measures taken	Present Status	Incremental progress over the last visit
1.	Jangipur Drain	Jangipur	0.2 MLD	Presently in-situ treatment work is ongoing and in future it will be tapped under the ongoing Baharampore - Jangipur Interception & Diversion Project. Bar screen has already been installed.	YES	Chemical dosing, desilting work etc. has been taken up periodically	Dosing and Desilting work is in progress
2.	Halisahar Drain	Halisahar	97.2 MLD	To be intercepted in the Halisahar STP (16.00 MLD capacity) which is under execution.	NO	Installation of Lock gate completed and partial flow diverted to newly constructed 16.0 mld STP.	Installation of gate completed.
3.	Garifa Drain-South / Ramaghat Open pucca drain	Garifa	113.3 MLD	Considered to be connected with the STP 1 (6.50 MLD capacity) at 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..
5.	Thanar Khal	Naihati	16.2 MLD	Considered to be connected with the	NO	Civil	Lock Gate

				STP 2 (11.56 MLD capacity) at Naihati in rejuvenation works under North 24 Parganas district.		construction for Lock gate is completed.	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	14.6 MLD	Planned to be diverted to the existing Serampore STP which will be renovated after the finalization of Tender	No	Tender invited for preparation of DPR	Financial evaluation in progress
11.	Chatra Khal	Serampore	70.0 MLD	Planned to be diverted to the existing Serampore STP which will be renovated after the finalization of Tender	No	Tender invited for preparation of DPR	Financial evaluation in progress
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	NIL

						to newly constructed 6.0 mld STP.	
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 (BishalaxmiGhat)	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
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.	DewangaziGhat 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.	JagatnathGhat 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	Buffel wall construct inside the drain and diversion line from the PBghat to nearest manhole has	NIL

						been completed.	
21.	Kuthighat Drain/ Baranagar Khal	Baranagar	2.1 MLD	Considered in Kamarhati-Baranagar STP (60.00 MLD) at Baranagar which shall be executed by Ganga STP Project Pvt. Ltd. under HAM.	No	NIL	NIL
22.	ChitpurGhat Khal/ Circular Canal	Chitpur	458.6 MLD	KMC area connected with Bangur STP & 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, Hastings, Kolkata	844.5 MLD	3 new STPs are proposed (KMC)	Under KMC	Tolly's Nullah is guarded with 8 floating garbage arrester nets at different locations to arrest the floating materials for the ease of removing	Under KMC

						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 3 bar screens at different locations to arrest the floating materials for the ease of removing the same from reaching to the River.	Under KMC
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.	Bagher Khal	Kanchrapara	134.50 MLD	To be intercepted in the Kanchrapara STP (18.00 MLD capacity) which is under execution.	No	STP under execution	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	Jagatddal	5.2 MLD	Already tapped with the Bhatpara 31 MLD STP at Jagaddal.	No	Already intercepted and diverted	nil

						to Ex-LS-04 and finally delivered to 31 MLD STP at Jaggadal.	
34.	Rosbara Khal	Bandel	168.3 MLD	Proposed to be connected with the STP (26.50 MLD capacity) at Hooghly - Chinsurah Municipality. DPR approved by NMCG on 28.08.2020.	No	Tendering stage	Nil
35.	Old Muni Khali Khal	Mahestala	6.9 MLD	Considered in Maheshtala I&D network project	No	Land hand over is in process.	

ANNEXURE-IV**21 NOS. DRAIN DETAIL**

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
36.	Bhatpara Drain	Bhatpara	2.6 MLD	NO	NO	Already been taken up by GAP sector KMDA	NIL
37.	Pratapnagar-Rajbari Drain	Bhatpara	35.3 MLD				
38.	Bhatpara-Open pucca drain	Bhatpara	58.3 MLD				NIL
39.	Bagh Khal	Rishra	29.5 MLD	NO	Tender invited for Preparation of DPR for Rishra Municipal Town in I&D with STP.	Tender invited for preparation of DPR	Financial evaluation in progress
40.	Majher Char Khal	Kalyani	3.9 MLD	NO	This drain will receive 90% of its flow from Kalyani Town and therefore a disinfection unit proposed there.	NIL	NIL
41.	Champdani Ferry Ghat /	Chapdani	2.6 MLD	I&D work proposed after Augmentation/Up-gradation of existing STP at	Tender Invited for preparation of DPR	Tender invited for preparation of DPR	Financial evaluation in progress

	Paolghat Drain			Serampore & Champdani Municipal town.			
42.	Khardah Khal	Khardah	271.5 MLD	NO	Drain with humungus capacity and flow will be treated as separate canal/River	Tender invited for preparation of DPR	Financial evaluation in progress
43.	N.C. Pal Khal	Sankrail, Howrah	10.7 MLD	NO	Tender invited for Preparation of DPR for Howrah added zone in I&D with STP	Tender invited for preparation of DPR	Financial evaluation in progress
44.	Saraswati Khal	Howrah	20.6 MLD	NO	Tender invited for Preparation of DPR for Howrah added zone in I&D with STP.	NIL	NIL
45.	Dhopa Ghat Drain	Bansberia	0.1 MLD	NO	NO	Tender invited for preparation of DPR	Financial evaluation in progress
46.	Chandannagar Drain	Chandannagar	0.4 MLD	Taken up into the STP at Chandannagar by I&D work	NO	Work started soon	NIL
47.	Nazerganj Khal	Sankrail, Howrah	1075.2 MLD	No	Preparation of DPR for Howrah added zone in I&D with STP	Tender invited for preparation of DPR	Financial evaluation in progress
48.	ITC Triveni Drain	Hooghly	0.5 MLD	No	No	M/S ITC Tribeni Tissue factory has been directed to install STP for their housing quarters. Monitoring of the same to be done on regular basis.	Action plan of this drain has been submitted by WBPCB.
49.	Akhra Food Ghat	Maheatala	362.9 MLD	No	No	Second call for	Financial

	drain (New Muni Khali Khal)					Tender has been invited for preparation of DPR	evaluation in progress
50.	DVC Canal	Champdani	353.6 MLD	No	No		
51.	Bazarpara--Garighat Drain / Sharenga drain	Sarenga-Sankrail, Howrah	185.9 MLD	No	No	For Sarenga Khal, where 9 no. of effluent generating units are discharging effluents, WBPCB has already taken regulatory action.	Action plan of this drain has been submitted by WBPCB.
52.	Baidyabati Drain	Baidyabati	576.0 MLD	No	Drain with humungus 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 for Howrah added zone in 18.0	Tender invited for preparation of DPR	Financial evaluation in progress

					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 intercepted in the Kanchrapara STP (18.00 MLD capacity) which is under execution.	No	I&D work is under Progress	Nil

Annexure - L

Site Inspection Report.

Month- SEPTEMBER 2021

NAME OF THE EXECUTING AGENCY- GAP WING/W&S SECTOR, KMDA

1. Physical progress of the operational STPs.

Sl. No.	Location	ULB Jurisdiction	Capacity in MLD	Actual utilization at present	Reasons for underutilization if any	Status of installation of OCEMS	Status of House Connection (if any)	Incremental progress over the last visit
1	Bhatpara	Bhatpara	60.50	26.32	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-22300, executed till date-13910 pending-8390 Rest will be covered under GAP Ph-II, which is under process	NIL
2	Kalyani	Kalyani	21.00	Influent - 20.82 (avg) Effluent-10.2 (AVG) As on 30.09.2021	1. Due to pending work of house connection 2. The STPs are designed as per the year of 2030 projected population.	Not install till now	Out of 28,000 nos house connection, completed only 20,000 nos.	NIL
3	Gayeshpur	Gayeshpur	8.33	Influent: 3.63 MLD (43.57%) Effluent: 3.61 MLD	Inadequate house connection	Not install till now	7925 no HSC has been completed out of 15000 household.	Sewage (Influent) quality has been decreased as compared to

Sl. No.	Location	ULB Jurisdiction	Capacity in MLD	Actual utilization at present	Reasons for underutilization if any	Status of installations	Status of House Connection (if any)	Incremental progress over the last visit
				(43.33%)				previous month viz. Aug.2021 is 4.28 MLD.
4	Budge Budge	Budge Budge	9.3	1.8	Only for available drain connection	Not install till now	Tender Invited. Last Date of Bid Submission on 25.10.2021.	HDD work : 104 m has been done
5	Barrackpore	Barrackpore	24.0	7.00	Sewerage network could not been completed as the Local Municipal authority has barred the Sewerage network at present for the ensuing assembly poll and House connection work has also not been completed. Presently sewage from the existing drains are being taken by I& D structures	Not install till now	For 18.0 MLD: Nearly 22000 house connection are required. Presently Local Municipality invited tender for the House connections but work has not been done here. For 6.0 MLD: The House connections nearly 395 has been done so far.	Operation & Maintenance work for STP started
6	Halisahar	Halisahar	16.0	3.00	Pending of house connection. Only drain water	Not install till now	Fresh tender Invited by Halisahar Municipality Shortly.	Operation & Maintenance work for STP

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
					collected			started.



STP



Screen Chamber

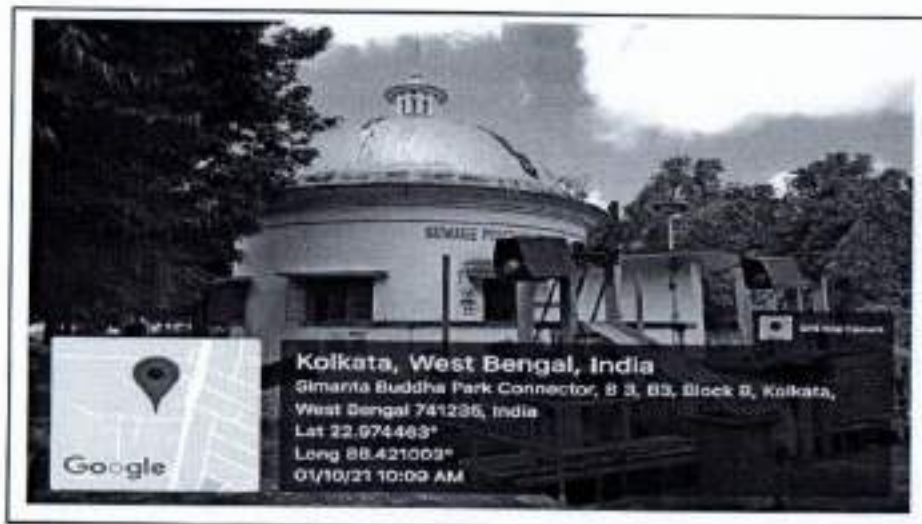
Gayeshpur

SITE VISIT PHOTOGRAPH OF STP UNDER OPERATION& MAINTENANCE STAGE IN



September, 2021

Halisahar



Kalyani

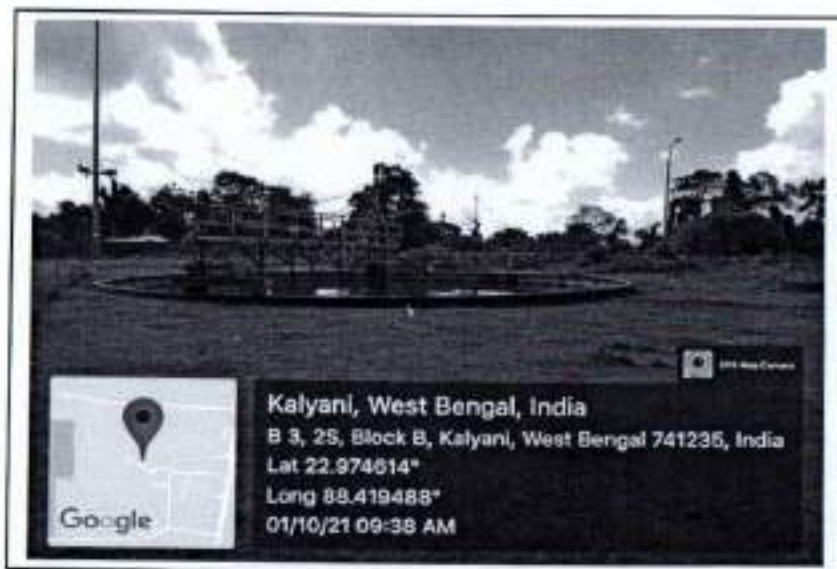
SITE VISIT PHOTOGRAPH OF STP UNDER OPERATION/TRIAL & RUN STAGE IN SEPTEMBER, 2021



BARRACKPORE STP SITE



BARRACKPORE STP SITE

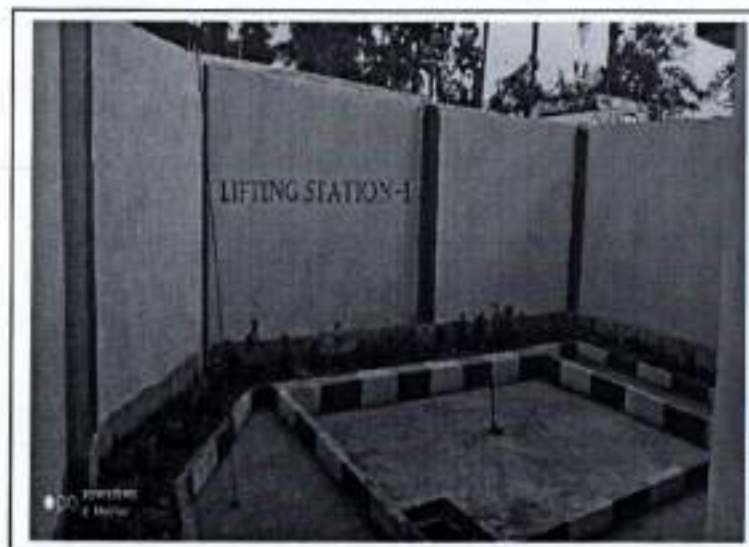


KALYANI SITE

SITE VISIT PHOTOGRAPH OF STP UNDER OPERATION/TRIAL & RUN STAGE IN SEPTEMBER, 2021



BUDGE BUDGE



BUDGE BUDGE

2. 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	Sreerampore	Sreerampore	18.60	Installed-1990 Nonfunctional-2011	This project needs to be shifted from the Rejuvenation category to Augmentation category and hence new DPR will be prepared by engaging consultant through e-tender. Already tender floated. The said tender is treated cancelled due to minimum technically qualified bid not received. The 2nd call has been invited, last date of bid submission is 5th October,	Non-functional	Nil

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
					2021.		
2	Champdani	Champdani	1.00	Installed-2009 Non-functional-2018	This project needs to be shifted from the Rejuvenation category to Augmentation category and hence new DPR will be prepared by engaging consultant through e-tender. Already tender floated. The said tender is treated cancelled due to minimum technically qualified bid not received. The 2nd call has been invited, last date of bid submission is 5th October, 2021.	Non-functional	Nil
3	Bandipur (Khardah)	Khardah	14.00	Data not available	Work in progress	Overall physical progress as on 31.08.2021 : 26% comprising	

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.Repairing & renovation of STP- 20% 2.Cleaning, Repairing & renovation of network- 40%	Work in progress
4	Garulia	Garulia	7.90	2004 Data not available	Work in progress	Overall Physical Progress as on 30.09.2021 is : 86% comprising 1.Repairing & renovation of STP- 86 % 2.Repairing & renovation of MPS (1 nos) and LS (1 no.)-92 % 3. Repairing & Rrenovation of network- 80% 4.Repairing & renovation of Diversion structure-86 %	Overall physical progress increase 3% 1.Repairing and renovation STP work increases 1% from previous month. 2. Increase in work in Repairing&renovation of MPS (1nos) and LS (1 no.)-1% from previous month

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	Overall physical progress as on 30.09.2021 : 85% comprising 1.Repairing & renovation of STP-86% 2.Repairing & renovation of MPS (2nos)-91% 3.Repairing & renovation of network-50% 4.Repairing & renovation of Diversion structure-95%	Overall physical progress increase 6% 1.Repairing& renovation of STP-1% 2.Repairing and renovation of MPS (2nos): 1%.
6	Panihati	Panihati	12.00	1993 Data not available	Work in progress	Overall physical progress as on 30.09.2021 : 65% comprising Repairing & renovation of STP-79% Repairing & renovation of MPS (1nos) and LS (3no.)-75% Repairing & renovation of network-29%. Diversion Structure at P.B.Ghat -90%	Overall physical progress increase : 4% 1.Repairing and renovation of STP work : 1% 2. Increases in Repairing &renovation work MPS & LS: 3%.
7	Baidyabati	Baidyabati	6.00	2007 Data not available	LOI issued on 24th MAY, 2021 work order issued on 11.06.2021	Overall physical progress as on 31.09.2021 is 62.33% 1.Repairing & renovation of STP-69% 2.Repairing & renovation of Lifting station (2nos) &MPS (1 nos)-33% 3.Cleaning,Repairing & renovation of network- 85%	Overall physical progress increase : 35.73% 1.Repairing and renovation of STP work : 58.6% 2. Increases in Repairing &renovation work MPS & LS: 26.40%. 3. Repairing & renovation of network-22.20%.

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	Overall physical progress as on 31.09.2021 is 54.33% 1.Repairing & renovation of STP-60% 2.Repairing & renovation of MPS (1nos)&Lifting station (1nos) -28% 3.Cleaning,Repairing & renovation of network- 75%	Overall physical progress increase : 32.73% 1.Repairing and renovation of STP work : 45% 2. Increases in Repairing &renovation work MPS & LS: 21.2%. 3. Repairing & renovation of network-32%.
9	Chandannagar	Chandannagar	22.66	1996 Data not available	Work is in Progress	Overall physical progress as on 30.09.2021 is 30% 1.Repairing & renovation of STP-30% 2.Repairing & renovation of MPS (1nos) and LS (2no.)-30% 3.Cleaning,Repairing & renovation of network- 0% 4. Repairing and renovation of Oxidation ponds along with internal drains within S.T.P premiese is in progress-65%	Overall physical progress increase : 5% 1.Repairing and renovation of STP work : 5% 2. Increases in Repairing &renovation work MPS & LS: 7%. 3. Repairing & renovation of network-5% 4. Repairing and renovation of Oxidation ponds alone with internal drains within S.T.P premiese is in progress-15%.
10	Bansberia	Bansberia	0.30	2009 Data not available	Work is in Progress	Overall physical progress as on 30.09.2021 is 70% 1.Repairing & renovation of STP-70% 2.Repairing & renovation of MPS (1nos) -20% 3.Cleaning,Repairing & renovation of	Overall physical progress increase : 35% 1.Repairing and renovation of STP work : 20% 2. Increases in Repairing

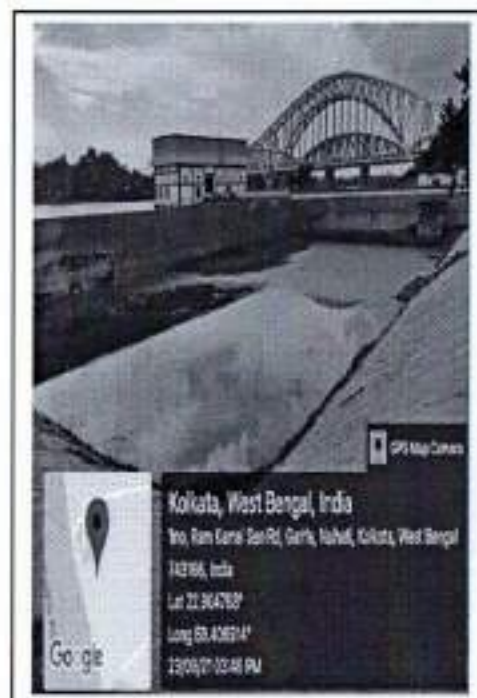
Sl. No	Location	ULB Jurisdiction	Capacity in MLD	Installed in (year) Non functional since (year)	Current initiative towards functionalization, if any	Present Status	Incremental progress over the last visit
						network- 75 %	&renovation work MPS & LS: 2%. 3. Repairing & renovation of network-45%.
11	Uttarpara - Kotrung and Konnagar	Kanaipur Gram Panchayet	22.00	2007 Data not available	Work is in Progress	Overall physical progress(Civil work)as on 30.09.2021: Repairing & renovation of STP: 75%, Repairing & renovation of LS (4 nos.):-90 % MPS (1 no):- 95 % , Cleaning, Repairing & renovation of network- 15%, Road restoration work :- 30%	NIL
12	Naihati	Naihati	11.56	2009 Data not available	Work is in Progress	Overall Physical Progress as on 30.09.2021 is: 70% 1.Repairing & renovation of STP- 95% 2.Repairing & renovation of MPS (Inos) and LS (1 no.)-90% 3.Cleaning,Repairing & renovation of network- 52% 4.Repairing & renovation of Diversion structure-62%.	Overall physical progress increase : 4% 1.Repairing and renovation of STP work : 3% 2. Repairing& renovation of MPS (1nos) and LS (1 no.)-2% 3. Cleaning, Repairing & renovation of network - 2%. 4. Repairing & renovation of Diversion structure-2%

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	Overall Physical Progress as on 30.09.2021 is : 68% comprising 1.Repairing & renovation of STP- 80% 2.Repairing & renovation of MPS (1 nos) and LS (3 no.)-56% 3.Cleaning, Repairing & renovation of network- 60% 4.Repairing & renovation of Diversion structure-76%	Overall physical progress increase : 2% 1.Repairing and renovation of STP work : 2% 2. Repairing& renovation of MPS (1nos) and LS (3 no.)- 1% 3. Cleaning, Repairing & renovation of network -5%. 4. Repairing & renovation of Diversion structure-1%

SITE VISIT PHOTOGRAPH OF STPs UNDER NON-OPERATIONAL/PARTIALLY OPERATIONAL IN SEPTEMBER, 2021



NAIHATI ASP

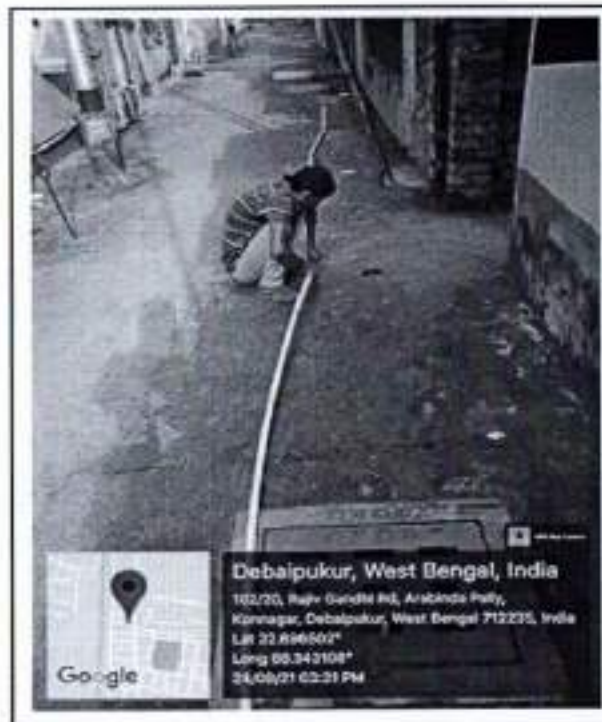


NAIHATI WSP



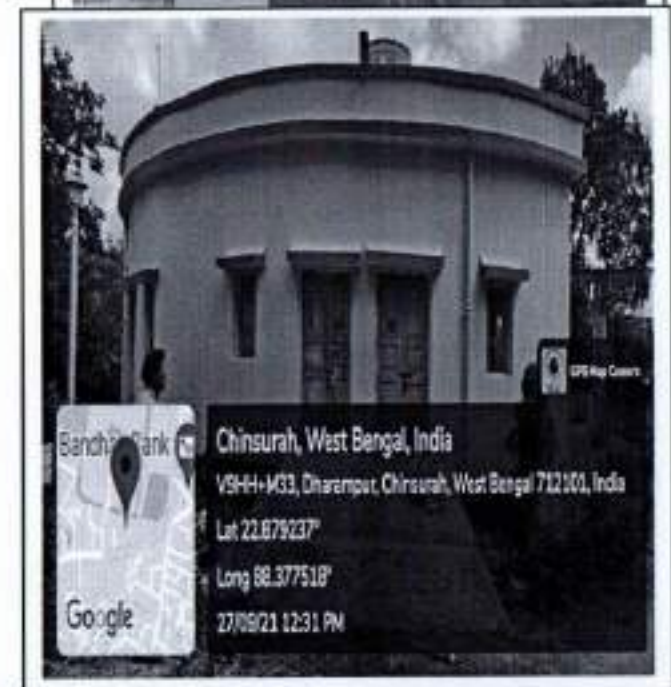
TITAGARH

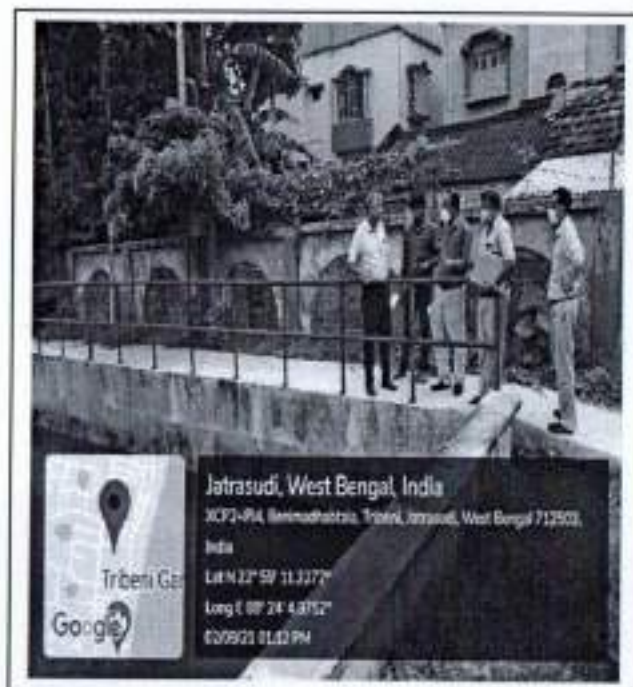
SITE VISIT PHOTOGRAPH OF STPs UNDER NON-OPERATIONAL/ PARTIALLY OPERATIONAL IN SEPTEMBER, 2021



UTTARPARA-KONNAGAR

SITE VISIT PHOTOGRAPH OF STPs UNDER NON-OPERATIONAL/ PARTIALLY OPERATIONAL IN SEPTEMBER, 2021





BANSBERIA
CHANDANNAGAR, KESTOPOTTY LS
TELDANGA SMPS

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

SEPTEMBER, 2021



BAIDYABATIGARULIA STPBHADRESWAR**3. 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	Sept,2021	Under Construction Overall physical progress achieved as on 30.09.2021 is 88%.	Overall Physical Progress increases as compared with previous month: 3%. 1. Progress in construction of 9.5 MLD STP: 3%
2	Kanchrapara	Kanchrapara	18.00 MLD	Feb,2022	Under Construction Overall physical progress achieved as on 30.09.2021 is 55%.	Overall Physical Progress increases as compared with previous month: 1%. 1. Construction work of 18 MLD capacity STP increases: 1%.
3	Jangipur	Jangipur	8.00 MLD	May,2022	Physical Progress upto 30.09.2021: 14.29%	Overall progress increases

Sl. No.	Location	ULB jurisdiction	Proposed capacity in MLD	Timeline for completion	Present Status	Incremental progress over the last visit
					Construction of STP Physical progress-24%. i) SBR Basin: 127 nos. of pile has been driven. ii) Inlet Chamber: 27 nos. of pile has been driven. iii) MCC- Blower Room: construction upto Tie beam lvl. done. construction of machine foundation is in progress and column up to grade slab level almost completed. iv) Centrifuge House of STP: up to tie beam level construction is in progress. v) Chlorination Building : Foundation completed. Tie beam construction is under progress. vi) CCT room: Not started. vii) MPS- 1no. The design and vetting 1 No. of MPS is completed. Network: Laying of sewer line about 982 m completed till date . Manhole: 21 %	1.07%.
4	Raghunathgaunge	Jangipur	5.00 MLD	May,2022	Physical Progress upto 31.09.2021 : 10.10% Construction of STP Physical progress-20%. i) SBR Basin: 76 nos. of pile has been driven. ii) Inlet Chamber: 34 nos. of pile has been driven. iii) MCC- Blower Room: construction upto Tie beam lvl. done. construction of machine foundation and column is under progress. iv) Centrifuge House of STP: construction work upto tie lvl under process v) Chlorination Building : Not started. vi) CCT room: Not started. vii) MPS- 1no. The design and vetting 1 No. of MPS is completed.	Overall progress increases 0.2%.

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	May,2022	Physical Progress upto 31.09.2021 : 3.38% The land for setting up the STP has been demarcated on 09.09.2021 from the end of BL&LRO, Sadar, Berhampore. Construction work is under progress. The NOC for land for construction of 1 no. of Lifting Station has been given from Berhampore Municipality and land for 1 no. of Lifting Station not yet handed over to this end. Laying of HDPE(DWC) pipe of 405 m length done till date. Manhole: 8% The design work for setting up 3.5 MLD STP is under process. Excavation for Boundary Wall has been started.	Overall physical progress increase over previous month is NIL
6	Bally (Kona)	Jagacha Gram Panchayet	62.00	Sept.-2023	Overall physical progress as on 30.09.2021: • Filling of land is under progress (90% completed). • Construction of site office is UNDER PROGRESS. Pilling work is in progress (Total 12 nos of piles are completed).	1. Construction of site office is under progress. 12 nos pile completed in this month.
7	Arupara	Howrah	65.00	Sept.-2023	Overall physical progress as on 30.09.2021: • Pilling work is in progress (Total 681 nos of piles are completed). • Pile cap & tie beam work is under progress. • 161 nos pile completed in this month • Pile cap & tie beam work is under progress.	1. 160 nos pile completed in this month. 2. Pile cap & tie beam work is under progress.

Sl. No.	Location	ULB jurisdiction	Proposed capacity in MLD	Timeline for completion	Present Status	Incremental progress over the last visit
8	Mathkal	Baranagar	60.00	Sept.-2023	Overall physical progress as on 30.09.2021: • Dismantling work is in progress (90% completed). 1. • Pilling work is started. (Total 265 nos of piles are completed).	1. 161 pile completed in this month.

SITE INSPECTION OF DIFFERENT PROJECT UNDER EXECUTION IN SEPTEMBER, 2021



NABADWIP



NABADWIP STP



KACHRAPARA



KACHRAPARASTP SITE

SITE INSPECTION OF DIFFERENT PROJECT UNDER EXECUTION IN SEPTEMBER, 2021



BERHAMPORE-JANGIPUR STP SITE



BERHAMPORE-JANGIPUR STP SITE



BERHAMPORE-JANGIPUR STP SITE

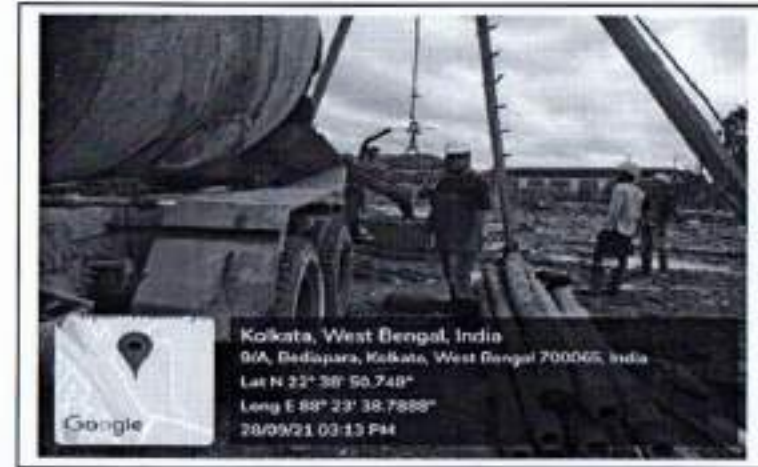


RAGHUNATH GANJ

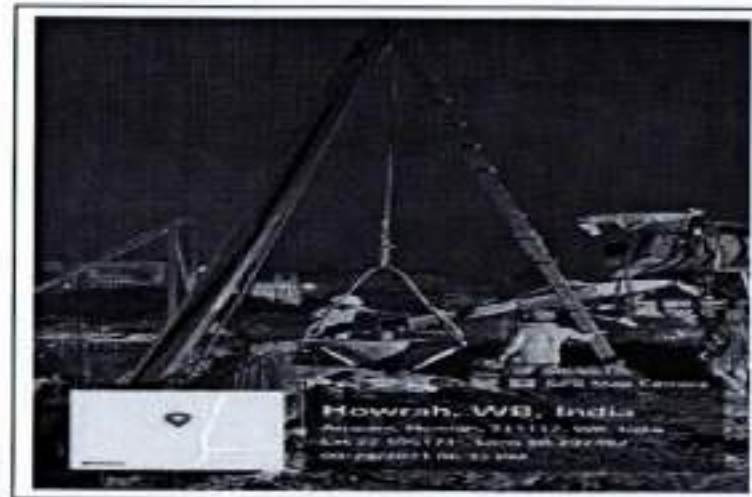
SITE INSPECTION OF DIFFERENT PROJECT UNDER EXECUTION IN SEPTEMBER, 2021



BALLY STP



BARANAGAR SITE



ARUPARA SITE

4. Status of Polluted Drains discharging to river Ganga.

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain or STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
1.	Jangipur Drain	Jangipur	0.2 MLD	Presently in-situ treatment work is ongoing and in future it will be tapped under the ongoing Baharampore - Jangipur Interception & Diversion Project. Bar screen has already been installed.	YES	Chemical dosing, desilting work etc. has been taken up periodically	Dosing and Desilting work is in progress
2.	Halisahar Drain	Halisahar	97.2 MLD	To be intercepted in the Halisahar STP (16.00 MLD capacity) which is under execution.	NO	Installation of Lock gate completed and partial flow diverted to newly constructed 16.0 mld STP.	Installation of gate completed.
3.	Garifa Drain-South / Ramaghat Open pucca drain	Garifa	113.3 MLD	Considered to be connected with the STP 1 (6.50 MLD capacity) at Naihati in rejuvenation works under North 24 Parganas district.	NO	Civil construction for Lock gate is in progress.	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 in progress.	Lock Gate Installed..
5.	Thanar Khal	Naihati	16.2 MLD	Considered to be connected with the STP 2 (11.56 MLD capacity) at	NO	Civil construction	Lock Gate Installed

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
				Naihati in rejuvenation works under North 24 Parganas district.		for Lock gate is in progress.	completed.
6.	Imambara Khal	Hooghly-Chinsurah	13.0 MLD	Consider in Hooghly - Chinsurah Revised DPR	No	Tender of Hooghly - Chinsurah STP is in progress	NIL
7.	Chinsurah-Majir Rasta Drain	Hooghly-Chinsurah	88.1 MLD	Consider in Hooghly - Chinsurah Revised DPR	No	Tender of Hooghly - Chinsurah STP is in progress	NIL
8.	Chandni Ghat Drain	Hooghly-Chinsurah	1.7 MLD	Consider in Hooghly - Chinsurah Revised DPR	No	Tender of Hooghly - Chinsurah STP is in progress	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	14.6 MLD	Planned to be diverted to the existing	No	Tender invited for	Financial evaluation in

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
				Serampore STP which will be renovated after the finalization of Tender		preparation of DPR	progress
11.	Chatra Khal	Serampore	70.0 MLD	Planned to be diverted to the existing Serampore STP which will be renovated after the finalization of Tender	No	Tender invited for preparation of DPR	Financial evaluation in progress
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	NO	Installation of Lock gate completed	NIL

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
				works under North 24 Parganas district.		and partial flow will be diverted to STP after rejuvenation.	
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	Buffel wall construct inside the drain and diversion line from the PBghat to nearest	NIL

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
						manhole has been completed.	
21.	Kuthighat Drain/ Baranagar Khal	Baranagar	2.1 MLD	Considered in Kamarhati-Baranagar STP (60.00 MLD) at Baranagar which shall be executed by Ganga STP Project Pvt. Ltd. under HAM.	No	NIL	NIL
22.	ChitpurGhat Khal/ Circular Canal	Chitpur	458.6 MLD	KMC area connected with Bangur STP & 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

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
27.	TollyNala	Dahighat, Hastings, Kolkata	844.5 MLD	3 new STPs are proposed (KMC)	Under KMC	Tolly's Nullah is guarded with 8 floating garbage arrester nets at different locations to arrest the floating materials for the ease of removing the same from reaching to the River.	Under KMC
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 3 bar screens at different locations to arrest the floating	Under KMC

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
						materials for the ease of removing the same from reaching to the 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.	Bagher Khal	Kanchrapara	134.50 MLD	To be intercepted in the Kanchrapara STP (18.00 MLD capacity) which is under execution.	No	STP under execution	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	Jagaddal	5.2 MLD	Already tapped with the Bhatpara 31 MLD STP at Jagaddal.	No	Already intercepted and diverted to Ex-LS-04 and finally delivered to 31 MLD STP at Jagaddal.	nil
34.	Rosbara Khal	Bandel	168.3 MLD	Proposed to be connected with the STP (26.50 MLD capacity) at Hooghly	No	Tendering stage	Nil

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
				- Chinsurah Municipality. DPR approved by NMCG on 28.08.2020.			
35.	Old Muni Khali Khal	Mahestala	6.9 MLD	Considered in Maheshtala I&D network project	No	LOA issued to the agency. Work will be started after financial closure.	
36.	Bhatpara Drain	Bhatpara	2.6 MLD	NO	NO	Already been taken up by GAP sector KMDA	NIL
37.	Pratapnagar-Rajbari Drain	Bhatpara	35.3 MLD				
38.	Bhatpara-Open pucca drain	Bhatpara	58.3 MLD				NIL
39.	Bagh Khal	Rishra	29.5 MLD	NO	Tender invited for Preparation of DPR for Rishra Municipal Town in I&D with STP.	Tender invited for preparation of DPR	Financial evaluation in progress
40.	Majher Char Khal	Kalyani	3.9 MLD	NO	This drain will receive 90% of its flow from Kalyani	NIL	NIL

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

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
					Howrah added zone in I&D with STP.		
45.	DhopaGhat Drain	Bansberia	0.1 MLD	NO	NO	Tender invited for preparation of DPR	Financial evaluation in progress
46.	Chandannagar Drain	Chandannagar	0.4 MLD	Taken up into the STP at Chandannagar by I&D work	NO	Work started soon	NIL
47.	Nazerganj Khal	Sankrail, Howrah	1075.2 MLD	No	Preparation of DPR for Howrah added zone in I&D with STP	Tender invited for preparation of DPR	Financial evaluation in progress
48.	ITC Triveni Drain	Hooghly	0.5 MLD	No	No	M/S ITC Tribeni Tissue factory has been directed to install STP for their housing quarters. Monitoring of the same to be done on regular basis.	Action plan of this drain has been submitted by WBPCB.

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

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
					capacity and flow will be treated as separate canal/River	preparation of DPR	progress
53.	Bally Khal	Bally	4860.0 MLD	NO	Drain with humongous capacity and flow will be treated as separate canal/River	Second call for Tender has been invited for preparation of DPR	Financial evaluation in progress
54.	Singhi More Khal	Sankrail, Howrah	1.1 MLD	NO	Tender invited for Preparation of DPR for Howrah added zone in I&D with STP	Tender invited for preparation of DPR	Financial evaluation in progress
55.	BTPS Out fall Drain-I	Hooghly	5.9 MLD	No	No	WBPCB taken regulatory action.	NIL
56.	Bagher Khal	Kanchrapara	134.50 MLD	To be intercepted in the Kanchrapara STP (18.00 MLD capacity) which is under execution.	No	I&D work is under Progress	Nil

SITE VISIT PHOTOS OF OUTFALLS IN SEPTEMBER, 2021



BAGHER KHAL



BAGHER KHAL

SITE VISIT PHOTOS OF OUTFALLS IN SEPTEMBER, 2021



GARIFA SOUTH (RAM GHAT)



HALISAHAR DRAIN LOCKGATE

5. 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: 06.09.2021

Name of Reporting Engineer: PRANTIK RAY

Designation: CHIEF ENGINEER

1437785/2021/O/o JS(UDMA)

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

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

Date:01.02.2021

ORDER(Draft)

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

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

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

This issue has an approval of the Higher Authorities.

Joint Secretary
UD
& MA Department

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

Date:01.02.2021

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'ble MIC
16. PS to Principal Secretary

Joint Secretary
UD
& MA Department

Annexure-M : Photographs of 18 MLD STP at Barrackpore

