

National Mission for Clean Ganga

Monthly Progress Report in the NGT Matter O.A.No.673 of 2018 (in compliance to NGT order dated 24.09.2020 for the month of April, 2021 updated as on 30.04.2021) West Bengal

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): 30(450.69+910)
(1351.36 MLD)
 - b. No. of STPs under construction 10 (327.25 MLD)
 - c. No. of STPs under renovation 18(334.96 MLD)
 - d. No. of STPs under proposal/tender stage 21 (351 MLD)
- IV. Gap in Treatment Capacity in Urban area as on 10.02.2021. 2758-2381.9=376.1
- V. Capacity utilization of Existing STP (291+910) =1201 MLD
8 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)
- 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 550 MLD. Therefore, the GAP of 376.1 MLD will be 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.
- 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 will be completed after Election.**
- 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 in the month of April 2021. NMCG has also expressed its willingness to join this inspection.

Details of operational STPs in the State
EA=Executing Agency

No.	EA	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Status of STP	Compliance Status of STP
1.	KMDA	Jagaddal Bhatpara New	31.00	24.00	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	KMDA	Shyamnagar	10.00			Complied
3	KMDA	Jagaddal Bhatpara old	9.50			Complied
4	KMDA	Kankinara STP, Madrail, Bhatpara	10.00			Complied
5	KMDA	STP Kalyani-I	11.00	19.00		Complied
6	KMDA	STP Kalyani-II	10.00			Complied
7	KMDA	Gayeshpur	8.33	3.20		Complied

8	KMDA	Bansberia	0.30	0.30	Partially operational STP. LOI for renovation work of the existing STP to make it fully functional has been issued on 22.06.2020. Accordingly, work order has issued on 30.06.2020. Overall physical progress is 10% 1. Repairing & renovation of roof of MPS & Rest house is completed. 2. 300 mm dia UPVC pipe laying complete for bypass arrangement. 3. Renovation of STP is in progress 4. Clearing compound premises of shrub within S.T.P complex, at Tribeni, Bansberia completed. 5. Network cleaning is going on.	Partially Complied Likely date of completion September 2021
9	KMDA	Konnagar (Uttarpara)	22.00	12.00	Partially Operational. Overall physical progress(Civil work) is 38%, Repairing & renovation of STP: 40%, Repairing & renovation of LS (4 nos.) & MPS (1 no) :- 90% , Cleaning, Repairing & renovation of network- 10%	Partially Complied

10	KMDA	Naihati	11.56	7.00	Partially functional and presently undergoing renovation to make it fully functional. Overall Physical Progress is 28%. Repairing & renovation of STP- 45% Repairing & renovation of MPS (1nos) and LS (1 no.)- 35% Cleaning, Repairing & renovation of network- 20% Repairing & renovation of Diversion structure- 20%	Partially Complied Likely date of completion September 2021.
11	KMC	Bangur	52	26	Operational	Partially complied
12	KMC	Garden Reach	57	53.68	Operational	Partially complied
13	KMC	Keorapukur	45	36	Operational	Partially complied
14	KMC	Baghajatin	15	14.25	Operational as oxidation pond	Partially complied
15	KMC	Hatisur	10	8	Operational	Partially complied
16	PHED	Nabadwip Municipality Nadia	10	6.72	Operational	Partially complied
17	PHED	Katwa Municipality, PurbaBurdwan	4.36	2.36	Operational	Partially Complied

18	PHED	Diamond Harbour Municipality	2.03	0.2	Operational	Partially Complied
19	PHED	Murshidabad Municipality	1.96	0.24	Operational	Partially Complied
20	MED	Jiagunj Azimgunj Takia Oxidation Pond	0.69	0.47	Partially operational as oxidation pond. De – sludging of the pond is complete. Civil and electrical estimate for repairing one pump station would be submitted soon to the Department.	Partially Complied
21	MED	Jiagunj Azimgunj Takia Oxidation Pond	0.69	0.47	Partially operational as oxidation pond. De – sludging of the pond is complete. Civil and electrical estimate for repairing one pump station would be submitted soon to the Department.	Partially Complied
22	UDMA (SLRDC)	Kestopur	27.24	18	Operational Proposal for replacement of sludge pump and other components amounting approx.Rs.60 lakhs given, 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	PHED	Digha-Sankarpur Development Area	6.7	3	Operational	Complied
24	PHED	New Town Kolkata (Action Area IIC)	31	15.4	Operational	Complied
25	PHED	New Town Kolkata (Action Area IIB)	14	2.1	Operational	Complied

26	KMDA	Barrackpore	18.00	Trial run	Overall physical progress achieved is 94%. STP-100%, Network – 95.8%, Pumping Stations-94%	O&M started with STP
27	KMDA	Barrackpore	6.00	Trial run	Overall physical progress achieved is 94%. STP-100%, Network – 95.8%, Pumping Stations-94%	O&M started with STP.
28	KMDA	Halisahar	16.00	Trial run	Overall physical progress achieved is 95.80%. STP-100.00%, Network-98.95% (as per present scope), Pumping Stations-94.05%	O&M started with STP. The date of the project extended up to 31.10.2021 by NMCG.
29	KMDA	Budge-Budge	9.33	1.2	Overall physical progress achieved as is 95.00%. STP-100%, Network-98.50%, Pumping Stations-89.00%	O&M started with STP. The date of the project extended up to 31.10.2021 by NMCG.
30	KMC	East Kolkata Wetlands	910	910		
Total			450.69 + 910 = 1360.69	253.59 + 910 = 1163.59		

N.B.: -STPs marked 'Partially Operational' are either complying as per old criteria or guideline or are under the proposed scheme Renovation/Rejuvenation.

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

No.	EA	Location	Existin g STP Capaci ty (MLD)	Capacit y Being Utilize d (MLD)	Operational Status of STP	Complian ce Status of STP
1	KMDA	Baidyabati	6.00	5.00	Technical and Financial evaluation has completed. Presently approval from NMCG awaited.	Under Renovation
2	KMDA	Bhadreswar	7.60	5.50		Under Renovation
3	KMDA	Chandannagar , Khalisani, Chinsurah- Hooghly	18.16	14.50	Overall physical progress is 11% 1. Repair & renovation of Primary Sedimentation Tank including total repairing of damaged parts is in progress.-10% 2. Clearing 18 nos Sludge Drying bed including removal of jungle, small trees, earth, rubbish etc. including supplying and placing of Gravels, sand etc is in progress.-9% 3. Repairing and renovation of Oxidation ponds alone with internal drains within S.T.P premise is in progress-10% 4. Clearing compound premises of shrubs-12%	Renovation work under progress. Likely date of completion is September 2021 Partially completed.
4			4.50	4.00		

5	KMDA	Titagarh	4.50	4.0	Partially Operational STPs. Presently undergoing renovation to make it fully functional. Overall Physical Progress is : 61%	Under renovation Likely date of completion September 2021
6	KMDA	Titagarh	4.50	4.5	1. Repairing & renovation of STP-72%. 2. Repairing & renovation of MPS (1 nos) and LS (3 no.)-45% 3. Cleaning, Repairing& renovation of network- 30% 4. Repairing & renovation of Diversion structure-70%	Likely date of completion September 2021
7	KMDA	Bandipur (Khardaha)	14	-	Non-functional STPs but under Renovation. Overall physical progress: 26% Comprising Repairing & renovation of STP-20% Cleaning, Repairing& renovation of network-40%	Under renovation Project is getting reviewed by PD, SPMG
8	KMDA	Champadani	1.00		No bidder participated in the 3rd call. 4th call already invited, last date of bid submission is on June 2021.	Under Renovation. Likely date of completion September 2021

9	KMDA	Garulia	7.90	Non-functional and presently undergoing renovation to make it fully functional. Overall physical progress: 72% comprising Repairing & renovation of STP- 80% Repairing & renovation of MPS (1nos) and LS (1 no.)-70% Repairing & renovation of network- 50% Repairing & renovation of Diversion structure- 80%	Under Renovation. Likely date of completion September 2021.
10	KMDA	Naihati	6.50	Non-functional and presently Undergoing renovation to make it fully functional. Overall physical progress as on 31.03.2021: 35% comprising Repairing & renovation of STP-30% Repairing & renovation of MPS (2nos)-40% Repairing & renovation of network- 20% Repairing & renovation of Diversion structure- 50%	Under Renovation. Likely date of completion Sept 2021.

11	KMDA	Panihati	12.00	-	Non-functional and presently Undergoing renovation to make it fully functional. Overall physical progress : 45% comprising Repairing & renovation of STP- 50% Repairing & renovation of MPS (2nos)-50% Repairing & renovation of network- 20% Repairing & renovation of Diversion structure- 70%	Under Renovation. Likely date of completion September 2021.
12	KMDA	Serampore	18.60	-	Non-functional and presently undergoing renovation to make it fully functional. Overall physical progress: 28% comprising Repairing & renovation of STP- 35% Repairing & renovation of MPS (1nos) and LS (3no.)-25% Repairing & renovation of network- 25%	Under Renovation. Likely date of completion September 2021

13	KMDA	Balli (Kona)- Kona, Chakpara(Anandana gargram Panchayet)	62.00	As per the terms and conditions laid down in LOA and in the referred Agreement the effective date is declared 08.03.2021 by the NMCG for this HAM project with 15 years O&M. Process Design has been approved by IIT Kharagpur and all the 1st Phase Engineering Design & Drawing has also been approved. The Phase-II Design & Drawing is under the purview of IIT Kharagpur and Project Engineer Royal Haskoning DHV Pvt. Ltd. The Agency M/s. Ganga STP Project Private Limited has just Started the Mobilisation Work. Dewatering & Filling of land has been started.	Under Renovation Likely date of completion Sept-2023.
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14	KMDA	Howrah-Arupara	65.00	-	As per the terms and conditions laid down in LOA and in the referred Agreement the effective date is declared 08.03.2021 by the NMCG for this HAM project with 15 years O&M. Process Design has been approved by IIT Kharagpur and all the 1st Phase Engineering Design & Drawing has also been approved. The Phase-II Design & Drawing is under the purview of IIT Kharagpur and Project Engineer Royal Haskoning DHV Pvt. Ltd. The Agency M/s. Ganga STP Project Private Limited has just Started the Mobilisation Work. Pilling work will be started very soon.	Under Renovation Sept-2023
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15	KMDA	Kamarhati - Baranagar -Kamarhati, Mathkol, near Belgachia Metro Car Shed	60.00	-	As per the terms and conditions laid down in LOA and in the referred Agreement the effective date is declared 08.03.2021 by the NMCG for this HAM project with 15 years O&M. Process Design has been approved by IIT Kharagpur and all the 1st Phase Engineering Design & Drawing has also been approved. The Phase-II Design & Drawing is under the purview of IIT Kharagpur and Project Engineer Royal Haskoning DHV Pvt. Ltd. The Agency M/s. Ganga STP Project Private Limited has just Started the Mobilisation Work.	Under Renovation Sept-2023
16	PHED	Berhampore Murshidabad	3.7	-	Non-Operational Discharge to nearby irrigation canal which is connected with Bhandardaha Bill (around 10km away).	Not Applicable
17	SJDA	Mahananda Left Bank, Siliguri	15	-	Non-Operational. DPR has been vetted by KMDA, Agency has given a presentation before LWM Committee before Experts. Some feedback has been given by the Experts which also has been duly incorporated in the revised Bid document. Presently it is lying before the Budget segment of the Department for AAFS.	Not Complied

18	SJDA	Jorapani&Fuleswar iRiver, Siliguri	24	-	Non-Operational. DPR has been vetted by KMDA, Agency has given a presentation before LWM Committee before Experts. Some feedback has been given by the Experts which also has been duly incorporated in the revised Bid document. Presently it is lying before the Budget segment of the Department for AAFS.	Not Complied
Total			334.96	37.5		

Details of under Construction STPs in the State

EA-Executing Agency

No.	River/ Coastal	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: 18.5%. Piling work for SBR, CCT under progress.	The sewage network at the 03nos. STPs under KEIP is being developed under respective	March 2022
2.	Ganga	KMC	M.G. Road	40	Physical progress: 16%. Piling work for SBR, CCT & Air Blower under progress and construction of chlorination room & boundary wall under progress.	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

3.	Ganga	KMDA	Kanchrapara	18.00	a. Overall physical progress - 43% . b. Construction of 18 MLD capacity of STP - 45%.	Execution of I&D structure is under progress and there is no provision of house sewer connection in the scope of the work	November, 2021
4.	Vidyadhar	PHED	New Town, Rajarhat Action Area- IIID	24	100%	Completed.	Trial run may be started in middle of June 2021.
5.	Dwarka	PHED	Tarapith	4.25	58%	Provision of only Institutional Connection (90%)	July 2021
6.	Ganga	KMDA	Nabadwip	9.50	Overall physical progress achieved is 75% . 1] Construction of a new 9.5 MLD capacity STP- 73%	Execution of I&D structure is under progress and there is no provision of house sewer connection in the scope of the work	September 2021
7.	Ganga	KMDA	Baharampore	3.50	Physical Progress : 1.8% Laying of HDPE(DWC) pipe of 405 m length done till date. The design & drawing of 2 nos of L.S and 1 no. of MPS is under process. The design work for setting up 3.5 MLD STP will start shortly, however the finalization of alternative land is still under process . The land for construction of 2nos of Lifting Stations and also of STP has not yet been handed over.	I&D structure work has not yet started and there is no provision of House sewer connection.	May, 2022

8	Ganga	KMDA	Raghunathganj	5.00	Physical Progress is 7.81%. Vetted Design & Drawing of 5 MLD STP approved and work started. Already 92 nos of pile driven. Vetted Sewerage Network drawing submitted and approved by the competent authority. The design and vetting of 2 Nos. of LS and 1 No of MPS is under process.	I&D structure work has not yet started and there is no provision of House sewer connection.	May, 2022
9.	Ganga	KMDA	Jangipur	8.00	Physical Progress: 12.68% Vetted Design & Drawing of 8 MLD STP approved and work started. Already 147 nos of Piles driven. Sewerage Network Vetted design & drawing submitted and approved by the competent authority. Laying of sewer line about 982 m completed till date. Construction of MCC& Blower Room of STP started. The design and vetting of 2 Nos of L.S. and 1 No of MPS is under process. The land for construction of 2nos of Lifting Stations has not yet handed over	I&D work just started but there is no provision of House sewer connection in the scope of work.	May, 2022
10	Vidyadharipuri	KMDA	Ghusighata	170	0%	Study on Feasibility for setting up of STP along the course of the river is in progress.	May 2022
Total				337			

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 Technical Bid Evaluation Report has been sent to NMCG on 24/03/2021 for perusal. World Bank has given certain observations on Draft TBER and reply is getting prepared and will be sent by 10 th of June 2021.	30months 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. The project completion time was considered as 52 months from the issuance of Work Order. Draft DPR submitted to NMCG on 31/03/2019 for approval & extension of time (EOT) NMCG approved EOT on 08/09/2020 up to 22/05/2021. Soft copy of the draft DPR resubmitted on 14/09/2020. Hard copy submitted on 01/10/2020. Virtual meeting on draft DPR held on 16/12/2020. Compliance report submitted to NMCG. Awaiting final approval of draft DPR.	52 months from the date of issuance of work order.
5.	Ganga	KMC	DhankhetiNikashi	25		
6.	Ganga	KMC	BhangaKhal, Garden Reach	35		

7.	Ganga	KMC	Rania	23	Under Tendering Re-tendering done on 30/09/2020 Tender opened; 27/11/2020. Financial bid opened on 21/01/2021. LOA issued to the successful bidder. Contract Agreement signed.	24 months from the date of issuance of work order.
8.	Vidyadhari	KMC	Borough-XII	70	To be finalized based on implementation of future loan or from own resources of KMC	Not yet finalized.
9.	Churni	KMDA	Sreenathpur	4	The proposal has been sent to Finance Department for approval through Departmental Tender Committee. LOA will be issued after clearance from State Finance.	December, 2022
10.	Churni	KMDA	Chaitanyaghat	5.2		
11.	Churni	KMDA	Silver Jubilee Road	2.6		
12.	Ganga	KMDA	Maheshtala	35.00	Revised LOA issued 11.02.2021 and it is already accepted by the lowest bidder on dated 16.02.2021. Concessionaire agreement may be signed by May 2021.	24 months from Financial closure
13.	Ganga	KMDA	Hooghly-Chinsurah	26.50	Tender is in progress. The last date of bid submission 19.04.2021. There is a change of site of Taldanga and 60 trees to be uprooted. KMDA is in touch with the Forest Department regarding this. KMDA has obtained approval from NMCG for the change of site.	18 months after Signing of contract.
14.	Ganga	KMDA	North-Barracopore	11.25	Final DPR already submitted to NMCG after	

15.	Ganga	KMDA	North-Barracpore	6.5	Compliance of NMCG's observation.	
16.	Ganga	MED	Dhuliyar	5.68	It has been decided that Tender will be invited and DPR will be prepared by KMDA. KMDA would assist MED in execution of the Project. Fresh Tender will be accordingly invited.	
17.	Ganga	MED	Kalna	2.99	It has been decided that Tender will be invited and DPR will be prepared by KMDA. KMDA would assist MED in execution of the Project. Fresh Tender will be accordingly invited.	
18.	Ganga	MED	Santipur	16.60	It has been decided that Tender will be invited and DPR will be prepared by KMDA. KMDA would assist MED in execution of the Project. Fresh Tender will be accordingly invited.	
19.	Ganga	MED	Chakdah	5.06	It has been decided that Tender will be invited and DPR will be prepared by KMDA. KMDA would assist MED in execution of the Project. Fresh Tender will be accordingly invited.	
20.	Ganga	MED	Haldia	24.29	It has been decided that Tender will be invited and DPR will be prepared by KMDA. KMDA would assist MED in execution of the Project. Fresh Tender will be accordingly invited.	
21.	Ganga	MED	Raiganj	10.52	It has been decided that Tender will be invited and DPR will be prepared by KMDA. KMDA would assist MED in execution of the Project. Fresh Tender will be accordingly invited..	
Total				351		

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. One STP at Bardhaman under KMDA is under DPR Stage. KMDA has already taken up the matter with Bardhaman Development Authority to sort out & finalize the Land of the proposed STP.
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). It is under DPR Stage, survey for available Land for installation of STP is in progress. In the meanwhile, ADDA has decided to take up in-situ treatment in 02 of the 11 Nullahs of Damodar (Tamla and Nunia Nullah). Tender will be floated soon for the work - aeration, chlorination and de-siltation.

OCEMS

Department of UD & MA has constituted a Committee vide order No. 574-UD-KMDA-33099-1-2021-EM dated 23.02.2021 under the Chairmanship of CEO KMDA for speedy and smooth implementation of this work. KMDA has been designated as the Nodal Agency for this purpose. It will invite an evaluate Tender on behalf of KMC and MED. KMDA has invited Tenders and two Bidders qualified the tender. Technical Bid evaluation is going on. Financial Bid will be opened soon.

IV. Details of Industrial Pollution:

No. of industries in the State (Red = 3927, Orange = 12332)	=16259 (as on 28.02.2021)
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 WasteManagement:

• Total number of Urban Local Bodies and theirPopulation	125 (20905615)
• Current Municipal Solid WasteGeneration	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 underconstruction)	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, andtechnology)	Cluster-1 Project. At Promodnagar site. 450 TPD CP & RDF, 100 TPD Bio-methanation plant. At Kamarhati 180 TPD CP&RDF.
• No. and area (in acres) of uncontrolled garbage dumpsites andSanitary Landfills.	107 nos for 92 ULBs (754.21 acre)
• No. and area (in acres) of legacy waste within 1km buffer of both side ofthe rivers	1 (3.2 acre) Naihati
• No.of drains falling into river sand no.of drain shaving floating racks/ screens installed to prevent solid waste from falling into the rivers.	402 (400)

Status of ULB wise Management of Solid Waste

Sl. No.	Name of ULBs	Total MSW generation in TPD	Total MSW being Processed in TPD	Existing MSW Facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
1	Alipurduar	35.65				Setting up of Compost Plant (CP) / Bio methanation / Material Recovery Facility (MRF) / Sanitary Landfill (SLF) as per SWM Rules, 2016 are in progress and expected completion timeline is December, 2021
2	Arambagh	30.25				
3	Asansol MC	654				
4	Ashoknagar-K_garh	79.65				
5	Baduria	13.62				
6	Baidyabati	68	48	CP	48	
7	Balurghat	75				
8	Bankura	75				
9	Bansberia	39				
10	Baranagar	150				
11	Barasat	130				
12	Barddhaman	140				
13	Barrackpore	50				
14	Baruipur	17				
15	Basirhat	29				
16	Beldanga	17.75				
17	Berhampore	90				
18	Bhadreswar	23				
19	Bhatpara	205	78	CP	78	
20	Bidhan Nagar MC	400				
21	Birnagar	16.77				
22	Bishnupur	59.2				
23	Bolpur	45.44				
24	Bongaon	65				
25	Budge Budge	40				
26	Buniadpur	30				
27	Chakdah	54.12				
28	Champdany	19	19	CP	19	
29	Chandannagore MC	55.5				
30	Chandrakona	7.8				
31	Contai	45				
32	Cooch Behar	45.69				
33	Cooper's Camp	13.86				
34	Dainhat	48.51				
35	Dalkhola	8.22				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
36	Dankuni	25				
37	Darjeeling	55.11				

38	Dhulian	46.42				
39	Dhupguri	11				
40	Diamond Harbour	18				
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				
78	Khardah	64.5				
79	Khirpai	5.92				

80	Kolkata MC	4500	1207.7	CP + MRF	1207.7	
81	Konnagar	32	5.5	CP + MRF	5.5	
82	Krishnanagar	130	130	CP	130	
83	Kurseong	11				
84	Madhyamgram	58				
85	Maheshtala	184	8.2	CP	8.2	
86	Mal	14	0.5	CP	0.5	
87	Mathabhanga	9.79				
88	Mckliganj	4.69				
89	Memari	14.53				
90	Midnapore	87.3				
91	Mirik	4.2				
92	Murshidabad	30				
93	Nabadwip	53.98				
94	Naihati	100				
95	Nalhati	32				
96	New Barrackpore	29.8				
97	North Barrackpore	59				
98	North Dum Dum	165				
99	Old Malda	27.13				
100	Panihati	193				
101	Panskura	24.18				
102	Pujali	15.6				
103	Purulia	60.6				
104	Raghunathpur	11.43				
105	Raiganj	90				
106	Rajpur-Sonarpur	170	1.1	MRF +BM	1.1	
107	Ramjibanpur	7.55				
108	Rampurhat	105				
109	Ranaghat	25.89				
110	Rishra	50	5	CP	5	
111	Sainthia	32				
112	Santipur	65.22				
113	Serampore	90	10	CP	10	
114	Siliguri MC	380	70	CP	70	
115	Sonamukhi	11.7				
116	South Dum Dum	372				
117	Suri	60				
118	Taherpur	0.45				
119	Taki	21.75				
120	Tamralipta	15				
121	Tarakeswar	13.16				
122	Titagarh	65				
123	Tufanganj	14.23				

124	Uluberia	50			
125	UttarparaKotrung	90.66	40	CP + MRF	40
TOTAL		13708.585	1778.2	Total	1778.2

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

VI. Bio-medical WasteManagement:

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 WasteManagement:

IX. 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.

X. 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
	Sreenathpur 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, 90% physical progress achieved. Entire work to be completed by June 2021.	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. iFor Suri-Work not started yet due to land issue. For Sainthia- Work not started yet due to land issue.	Suri 4.04 Sainthia- 2.68

River name	Polluting drain	In-situ treatment details	MLD treated
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.	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 is proposed. Physical progress 70 % achieved.	3.80
Dwarekeswar	13	Primary treatment of river Dwarakeshwar by providing screens, sedimentation tanks followed by disinfection through chlorination at 13 no. of outfalls. Physical progress 70 % achieved.	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. Construction work is almost 90% completed.	9.33
Korala	47	Primary treatment for river Korola for the town Jalpaiguri by providing screens, sedimentation tanks followed by disinfection through chlorination at 47 no. of outfalls is proposed. Work completed.	12.81
Ganga	21	Pls refer the note given below:	

- XI.** 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. **Annexure-IV**
 - 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.
- XII.** Details of Nodal Officer appointed by Chief Secretary in the State /UT: Additional Chief Secretary, Department of Environment, Government of West Bengal
- XIII.** 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 Principal Secretary Environment Department was held on 23.12.2020.
- XIV.** Latest water quality of the polluted rivers along with analytics, its tributaries, drains with flow details and ground water quality in the catchment of polluted river :-

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

Prior ity	River	Stations	BOD (mg/l)	DO (mg/l)	Fecal Coliform (MPN/10 0ml)	Fecal Streptoc occi (MPN/10 0ml)	pH
I	Vidyadhari	Haroa Bridge (Upstream)	21.67	NIL	13000	130	7.65
	Vidyadhari	Malancha (Downstream)	7.5	1.5	4500	78	7.16
II	Mahananda	Siliguri (Upstream)	2.1	7.1	7000	70	6.9
	Mahananda	Ramghat (Downstream)	21	4.5	110000	220	6.05
III	Ganga	Tribeni	3.20	7.4	8400	130	7.96
	Ganga	Palta	1.90	6.5	79000	460	7.94
	Ganga	PaltaShitalatala	3.00	6.0	130000	1300	7.95
	Ganga	Serampore	1.80	7.2	79000	490	8.21
	Ganga	Dakshineswar	3.2	6.2	31000	170	7.73
	Ganga	Garden Reach	2.95	5.5	46000	170	7.84
	Ganga	Howrah-Shibpur	2.5	5.3	21000	110	7.65
	Ganga	Uluberia	2.9	5.9	17000	70	7.7
	Ganga	Durgachak near Pathikhali	1.00	6.3	9400	210	8.03
	Ganga	Diamond Harbour	3.3	6.2	2300	<1.8	7.84
III	Churni	Downstream of Ranaghat Town	2.3	4.6	17000	2400	7.89
	Churni	Majhdia	3	4.4	17000	110	7.99
III	Dwarka	Upstream of Tarapith at SadhakBamdebGhat	3.95	7	28000	70	8.26
	Dwarka	Downstream of	4.45	6.8	35000	84	7.95

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

Prior ity	River	Stations	BOD (mg/l)	DO (mg/l)	Fecal Coliform (MPN/10 0ml)	Fecal Streptoc occi (MPN/10 0ml)	pH
		Tarapith, Satighat					
IV	Damodar	Dishergarh Village	3.05	8.2	4900	12	7.94
	Damodar	Downstream of IISCO	2.25	8.1	4000	13	7.86
	Damodar	Narainpur	2.45	8.2	2500	17	8.1
	Damodar	Near Mujher Mana Village	3.35	7.2	4600	33	8.19
	Damodar	Andal Upstream	2.75	8.2	2700	17	
	Damodar	Andal Downstream	2.65	7.8	3300	27	8.18
	Damodar	Asansol Upstream	1.7	8.2	3200	14	7.8
	Damodar	Durgapur Upstream	3.35	8	2700	24	8.14
	Damodar	Raniganj Downstream	2.8	8.2	3400	35	7.68
	Damodar	Water Intake Point for Burdwan Town	2.55	8.1	2600	14	8.32
IV	Kansi	Downstream at Midnapore	2.3	6.8	4600	93	8.06
IV	Jalangi	Downstream of Krishnanagar	3.4	6	54000	1100	7.79
IV	Mathabhanga	Gobindapur	14.5	0.6	540000	1700	7.66
V	Barakar	Asansol	2.55	8.1	4700	25	8.35
V	Silabati	Ghatal (Downstream)	1.15	5.1	4600	110	7.66
V	Rupnarayan	Geonkhali	0.9	5.9	4600	Not Done	7.95
	Rupnarayan	Kolaghat (Downstream)	1	6.7	7900	110	8.01
V	Dwarkeswar	Bankura Town	3.15	8	2500	26	8.27
V	Mayurakshi	Suri Town	1.65	7.9	2300	21	8.09
V	Kaljani	Downstream of Alipurduar	2.1	6.9	2100	26	6.74
V	Karola	Downstream of Jalpaiguri	1.9	7.1	2600	Not Done	6.98
V	Teesta	At Jalpesh	1.2	7.4	1300	Not Done	7.34
	Teesta	At Sevoke	0.80	7.2	2600	26	7.10

XV. Ground water regulation:

River	Ground water 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 & Mathabhanga River except the following Block. Dwarka River Stretch: <i>Semi-Critical- Rampurhat-II (Birbhum Dist)</i> Mathabhangariverstretch: <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 Aug'20 (monsoon) against 52 GW monitoring stations under the blocks along polluted stretch of River Churni has been generated. GW Monitoring Stations (52)=42 (Manual) + 10 (Real-Time) Physio-chemical tests for 52 GW samples collected during Pre-monsoon'20 period, from or nearby GW monitoring stations under the blocks along polluted stretch of river Churni have been completed partially.
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 Aug'20 (monsoon) against 52 GW monitoring stations under the blocks along polluted stretch of River Churni has been generated. GW Monitoring Stations (52)=42 (Manual) + 10 (Real-Time) Physio-chemical tests for 52 GW samples collected during Pre-monsoon'20 period, from or nearby GW monitoring stations under the blocks along polluted stretch of river Churni have been completed partially.
Kansi Mayurakshi	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 database for Aug'20 (monsoon) has been generated. All are "safe" categorized block along polluted stretches of Kansi, Mayurakshi, Rupnarayan, Jalangi River except the following Blocks. Kansi River Stretch: <i>Semi-Critical</i>- Keshpur, Debra (Paschim Medinipur Dist) <i>Critical</i>- Panshkura (Purba Medinipur dist.)

	Mayurakshi River Stretch:
Rupnarayan Jalangi	<i>Semi-Critical-</i> Suti-I (Murshidabad dist.), Labhpur (Birbhum dist.) □ Jalangi River Stretch: <i>Semi-Critical-</i> Berhampur, Nowda (Murshidabad Dist), Tehatta-II, Chapra (Nadia dist.) <i>Critical-</i> Domkal (Murshidabad dist.), Karimpur-II, Tehatta-I, Nakashipara, Krishnagar-II, Krishnagar-I (Nadia dist.) Groundwater sampling for its Physio-chemical tests is done twice a year (April & Nov).
Kansi Mayurakshi Rupnarayan Jalangi	• 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. • All are "safe" categorized block along polluted stretches of Kansi, Mayurakshi, Rupnarayan, Jalangi River except the following Blocks. ✓ Kansi River Stretch: <i>Semi-Critical-</i> Keshpur, Debra (Paschim Medinipur Dist) <i>Critical-</i> Panshkura (Purba Medinipur Dist) ✓ Mayurakshi River Stretch: <i>Semi-Critical-</i> Suti-I (Murshidabad Dist), Labhpur (Birbhum Dist) ✓ Jalangi River Stretch: <i>Semi-Critical-</i> Berhampur, Nowda (Murshidabad Dist), Tehatta-II, Chapra (Nadia Dist) <i>Critical-</i> Domkal (Murshidabad Dist), Karimpur-II, Tehatta-I, Nakashipara, Krishnagar-II, Krishnagar-I (Nadia Dist) □ Groundwater sampling for its Physio-chemical tests is done twice a year (April & Nov).
Silabai Dwarekeswar Kaljani Karola	• 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).

XVI. Good irrigation practices being adopted by the State:

River	Stretch of the river	Good irrigation practices
Dwarka	Tarapith to Sadhak Bamdeb Ghat	A command area of 6735 ha in Rampurhat-II block is irrigated by the canal system of Mayurakshi barrage project belonging to I&W Department. At present a major canal renovation work of the Mayurakshi Reservoir Project for a total length of 67 km. is going on since 2018-19 which inter alia includes the canal system of length of 19 km in Rampurhat-II block also with a target completion in March-2021.
Ganga	Tribeni to Diamond Harbour	By diverting tidal water through the sluices on the bank of the river irrigation is provided at (a) Mograhat-I & II, Mandirbazar, Diamonharbour-I & II through Diamond Harbour Canal system (1500 ha), at Budge Budge-I & II blocks, Bishnupur-I & II blocks through Charial Canal (1580 ha) Uluberia, Shyampur, Bagnan-I and Bagnan-II blocks. Through Rajapur Canal, Purana canal, Chandanpara canal and Nakal canal (1500 ha). Repair of sluices and canal system are taken up as and when required.
Kansi	Midnapore to Ramnagar	Irrigation is provided at Kharagpur-II and Debra blocks through Medinipur Main Canal System originating from Medinipur Anicut. This canal system along with Medinipur structure has been rehabilitated recently which also includes the canal system in Medinipur, Kharagpur- I and Debra blocks. As a result irrigation has been started in these areas after a decade.
Dwarekeswar	Along Bankura	Irrigation is provided in Onda block from the canal system of Kangsabati Reservoir Project. Moreover there are four medium and minor irrigation schemes in Bankura-I and Onda blocks namely Niada (405 ha), Birai (2700 ha), Horajore (80 ha) and Abarda (80 ha) through which 3265 ha area is irrigated. The canal system of the aforesaid schemes and the regulating structure has undergone major rehabilitation during last two years.
Kaljani	Bitala to Alipurduar	Irrigation is provided at 1000 ha of area in Kalchini block through 2 minor surface irrigation schemes on streams out falling into Kaljani river.
Karola	Jalpaiguri to Thakurer Kamat	A command area of 24385 ha in Rajganj block is irrigated through the canal system of Teesta Barrage Project.
Mayurakshi	Suri to Durgapur	A command area of 1196 ha in Suri-I block is irrigated through the canal system of Mayurakshi Reservoir Project.
Rupnarayan	Kolaghat to Benapur	Areas of different blocks are irrigated from tidal water through the sluice and canals belonging to I& W Department like in Amta-II (4807 ha), Sahid Matangini (3765 ha), Bagnan-I (2024 ha), Bagnan-II (1518 ha) and Shyampur-I & II (8805 ha).
Teesta	Siliguri to Paharpur	Command areas of 24385 ha in Rajganj block, 5080 ha in Mal block, 400 ha in Maynaguri block and 14760 ha in Jalpaiguri Sadar block are irrigated through the canal system

	of Teesta Barrage Project.
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XVII. Rain Water Harvesting:

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

XVIII. Demarcation of Floodplain and removal of illegal encroachments:

Regarding Demarcation of Flood Plain Zones, Department of Irrigation & WBPCB are jointly working on it. A Report is to be submitted by them by 30th June 2021.

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 Mayurakshi. 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.

XIX. Maintaining minimum e-flow of river:

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

Kansi	The discharge through Kansabati river is regulated from the major dam at Mukutmanipur, Bankura. The regulated release from dam, along with the contribution from the uncontrolled catchment of the d / s of the dam, maintains environmental flow in the river.
Barakar	There is no regulating structure in West Bengal. However there is a dam in Mithon over Barakar river in Jharkhand under the control of DVC, which regulates the flow through this river. This Release from the Dam, along with the contribution from the uncontrolled catchment of the d / s of the dam, maintains environmental flow in the river.
Mayurakshi	There is no regulating structure in West Bengal. However there is a dam in Massanjore over Mayurakshi river, which regulates the flow through this river. This release from the Dam, along with the contribution from the uncontrolled catchment of the d / s of the dam, maintains environmental flow in the river.
Rupnarayan	The river is perennial river. There is no regulating structure exists on this river for regulation of river flow. The environmental flow is naturally maintained from the river flow which is a combination of surface flow and base flow.
Teesta	Depending on water availability, down-stream release is regulated.

XX. Plantation activities along the rivers:

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

XXI. Development of bio-Diversity park:

River	Number of biodiversity parks	Status of the biodiversity parks
Vidyadhari	4 nos. (Haroa : 3 nos; Minakhan: 1 nos)	Ongoing projects
Churni	1 no.	Ongoing project
Jalongi	3 nos.	Ongoing projects
Kansi	6 nos. (Chandrakona II : 2 nos.; Daspur I: 1 no.; Kharagpur I: 1 no.; Midnapore: 1 no.; Sabang: 1 no.)	Ongoing projects
Ganga	3 nos. (Budge Budge II: 1 no.; Diamond I: 1 no.; Diamond II: 1 no.)	Ongoing projects
Dwarekeswar	2 nos. (Bankura I: 1 no.; Onda I: 1 no.)	Ongoing projects
Mahananda	2 nos. (Phansidewa: 1 no.; Matigara: 1 no.)	Ongoing projects
Rupnarayan	3 nos. (Baidyanathpur: 1 no.; Orphuli: 1 no.; Antila: 1 no.)	Ongoing projects
Mayurakshi	Plan of 18 ha biodiversity park	

XXII. 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.wburbanservices.gov.in/page/cms/ngt_policy_ae3077

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.

XXIII. 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 expected to be completed by February 2020 & 99% of the work achieved.

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

XXV. 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.

XXVI. 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.
5. **The Department of UD & MA has constituted an Internal Committee for Tolly Nullah to monitor different pollution abatement work going on there. The first meeting of the Committee was held on 31st March 2021 under the Chairmanship of Principal Secretary UD & MA. The meeting was attended by all the stakeholder Departments-KMC, KMDA Bridge wing, Metro Rail, KPT, Environment Department, WBPCB, Irrigation Department, L&LR Department, and the Legal Cell of all concerned Departments. Many important time bound decisions were taken and communicated to the concerned Departments. Work is going on as per MOM.**

Details of important Annexures:

Annexure-II: Report from P&RD

Annexure-III: Note on EKW

Annexure-IV: Report on 22 Drains sent to PCB

Annexure-V: Report on Monitoring and Review.

Annexure-A: Site Inspection Report.

**Annexure-B: Progress of the construction of STP at
Newtown- Rajarhat Action Area -IID executed
by PHED.**

Annexure-C: I&D for 06 MLD STP Barrackpore.

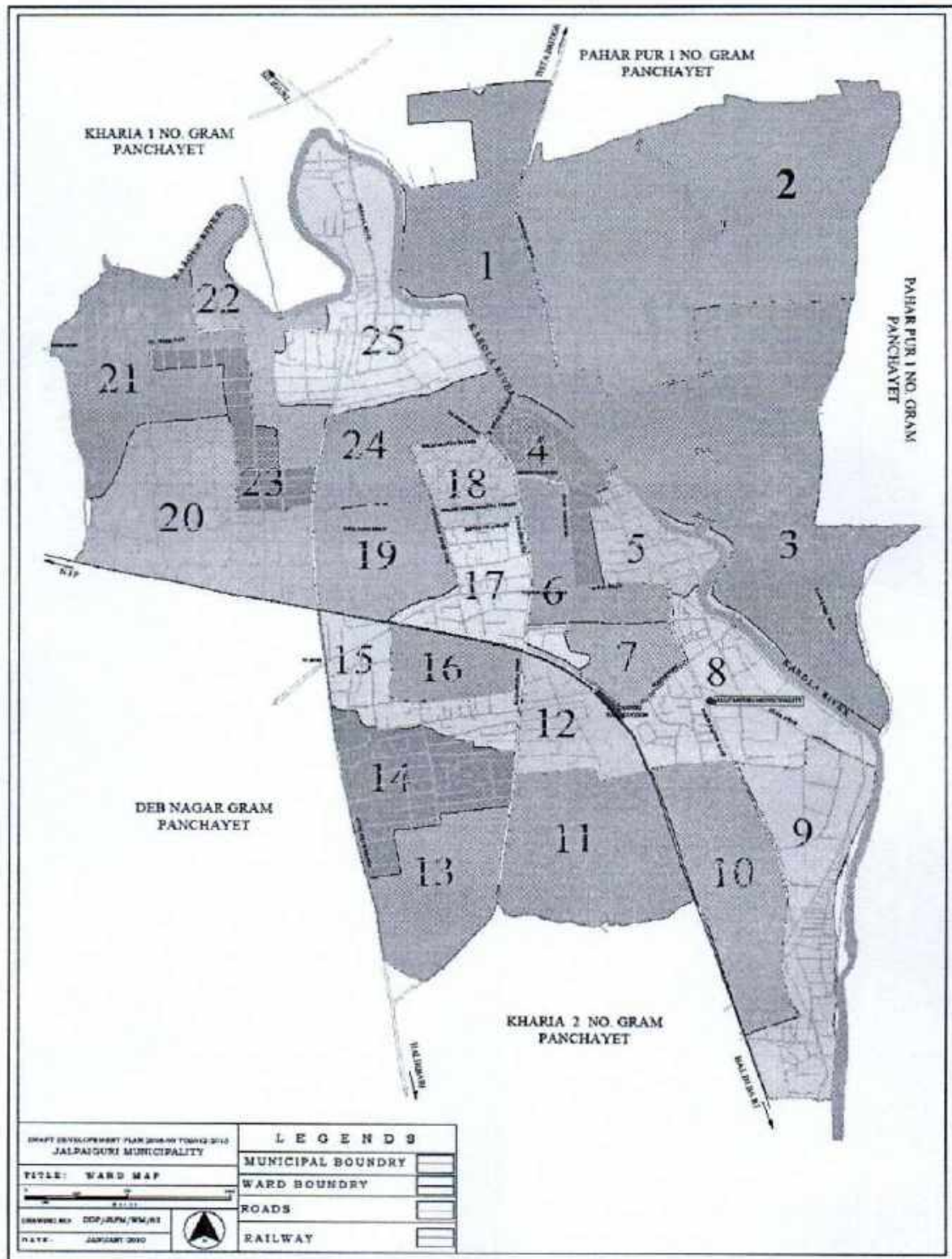
Annexure-D: Note on Vidyadhari River

Annexure: MOM Tolly Nullah

Annexure: MOD

Annexure:MOM 1 & MOM 2

Annexure-I. River Karola



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 Karala

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 Karala 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 flash 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 Studen 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 College	Near Maskalaibari Burning 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	Opposite to Gosala Road at

			Road	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

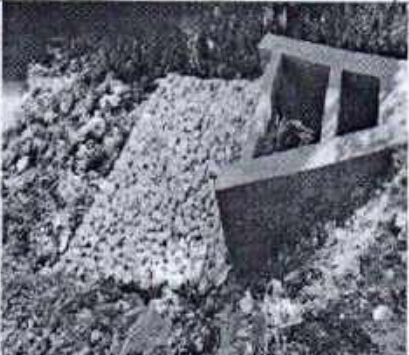
**Primary Treatment of sewerage for the river KAROLA
within Jalpaiguri Town in respect of HONB'LE NGT directives.**

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

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	Progress of LWM	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		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	Progress of LWM	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		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, Beniapukur, Entally, Ballygunge etc. The Maniktala system covers ward no. 13,14 and 29-35 of the area of Maniktala, Ultadanga, Kankurgachi, Phoolbagan, Beliaghata etc. Topsia Tangra system covers Ward no. 56, 57 & 59 and part of ward 58 & 66 of the area of Topsia, Tangra and Chingrihata.

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

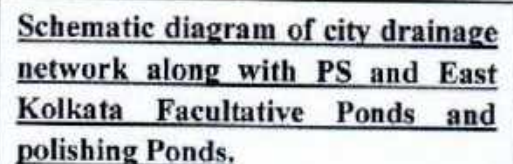
Average discharge from these pumping stations during lean period measured are as follows:

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

7/9/21
EE-1/540(S).
09/02/21
09/02/21
Dy. Secy (E) / AcEq.

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

KOLKATA



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Jms
9/2/21
681(D-1) / Contant.

WAL 09/02/21 JSPN
09-02-WH
Dx test E/Ackg.

RE 12/5 RD(5).

09/02/24
Director General
Economic & Business

NANDINI GHOSH, IAS
Joint Secretary



DEPARTMENT OF URBAN
DEVELOPMENT & MUNICIPAL
AFFAIRS
GOVERNMENT OF WEST BENGAL
"Nagarayan" DF-8, Sector - 1,
Salt Lake, Kolkata - 700 064
Ph: (033) 2321-1121
E-mail : nandinighosh.jsudma@gmail.com

Memo No. 51-JS (NG)

Date: 01.04.2021.

To,
Dr. A.K.Vidyarthi,
Additional Director & Divisional Head, WQM-II,
Central Pollution control Board,
Ministry of Environment, Forest & Climate Change, GOI,
Parivesh Bhawan, East Arjun Nagar,
New Delhi - 110032.

**Subject: Updated Report with respect to the work done in 22 numbers of Polluted
Drains discharging directly into Ganga River, West Bengal.**

Sir,

With reference to the above subject, I am directed to attach herewith an Updated Report (Drain wise) for your kind perusal along with photographs of inspection and the work done at the sites.

Progress with respect to installation of OCEMS.

Your kind attention is drawn to our earlier Memo No. 35-JS(NG) dated 10.03.2021. We further state that, the Technical and Financial Bid opening is likely to be completed by 31st May 2021 after the Election protocol is over.

Joint visit at East Kolkata Wetland (EKW).

With reference to the above subject, your kind attention is drawn to the fact that a Joint Visit has been proposed at EKW by the WBPCB with CPCB, SPMG, UD & MA Department and Environment Department, GoWB. NMCG has also expressed its willingness to visit EKW along with this Team. We therefore, request you to finalize the date of the visit and let us know accordingly.

This is for your kind perusal.

Encl: As stated.

Yours faithfully,

emo No. 51/1(11)-JS (NG)

Date: 01.04.2021.

py forwarded for kind information to:

The Additional Chief Secretary, Department of Environment, Pranisampad Bhavan, 5th Floor, LB-Sector-III, Salt Lake, Kolkata-700106.
Principal Secretary, Department of UD & MA.
Member Secretary, West Bengal State Pollution Control Board and Environment Department, Government of West Bengal, Paribesh Bhavan, 10A, LA Block, Sector III, Bidhannagar, Kolkata, West Bengal 700106.P.S to Principal Secretary, UD & MA Department.
The Chief Executive Officer, Kolkata Metropolitan Development Authority & The Programme Director SPMG, CJ-164, 2nd Avenue, DJ Block, Sector II, Bidhannagar, Kolkata, West Bengal 700091
Additional Secretary, Environment Department, Department of Environment, Pranisampad Bhavan, 5th Floor, LB-2, Sector-III, Salt Lake, Kolkata-700106.
Shri M.K.Biswas, Regional Director, CPCB, Kasba New Market, Sector E, East Kolkata Twp, Kolkata West Bengal 700107
Shri D.P.Mathuria, NMCG, 1st floor, Major Dhyan Chand National Stadium, 110002, India Gate, New Delhi, Delhi 110001.
Shri T.K.Gupta, Chief Technical Advisor, West Bengal State Pollution Control Board and Environment Department, Government of West Bengal, Paribesh Bhavan, 10A, LA Block, Sector III, Bidhannagar, Kolkata, West Bengal 700106.P.S to Principal Secretary, UD & MA Department.
Chief Engineer, GAP Sector, KMDA, CJ-164, 2nd Avenue, DJ Block, Sector II, Bidhannagar, Kolkata West Bengal 700091
Chief Engineer, KMDA, S&SWM, CJ-164, 2nd Avenue, DJ Block, Sector II, Bidhannagar, Kolkata, West Bengal 700091
PS to Principal Secretary, Department of UD & MA.

Joint Secretary

Updated Report on 22 Number of Polluted Drains Discharging into River Ganga

SL. No.	Name of the drain	Progress Made	Action to be taken
1.	Old Muni Khali Khal	Responsibility to intercept and divert this Khal lies with the GAP sector. Action plan for the same has been submitted.	Old Muni Khali Khal has been considered under Maheshtala HAM project. GAP sector to rigorously supervise the work.
2.	Bagher Khal	Responsibility to intercept and divert this Khal lies with the GAP sector. Action plan for the same has been submitted.	Bagher Khal planned to be intercepted and diverted within Kanchrapara STP project. GAP sector to rigorously supervise the work.
3.	ITC Tribeni Khal	Action plan of this drain has been submitted by WBPCB	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.
4.	BTPS Khal	Action plan of this drain has been submitted by WBPCB.	For BTPS Khal, since the drain carries fly ash flow effluent, therefore to trace the source of domestic effluent a joint inspection to be done next week by SPMG, S&SWM and WBPCB.
5.	Sarenga Khal	Action plan of this drain has been submitted by WBPCB	For Sarenga Khal, where 9 no. of effluent generating units are discharging effluents, WBPCB has already taken regulatory action. It has to be followed up.
6.	Bhatpara Drain,	Group of engineers along with agency have visited all these drains and finalized feasibility study. Photographs of the Site Inspections are enclosed in separate attachments with this Report.	a) S&SWM to submit feasibility reports and all necessary data required by GAP sector immediately. b) GAP sector to conduct hydraulic and route survey for which an agency will be engaged for preparation of DPR. Tender for the same to be invited by second week of April. c) Exemption to be sought for proceeding with tender. UD&MA will be approached for assistance as MCC is in force. All land related issues that can come up while executing the work should be communicated to the Land cell prior. The JS (Land) will organize meeting with GAP & S&SWM to finalize land requirement and further to be followed up.
7.	Pratapnagar Rajbari		
8.	Bhatpara Open		
9.	Champdani ferry ghat Drain		
10.	Majerchar drain		
11.	Dhopa ghat drain		
12.	Chandannagar drain		
13.	Akra food ghat		
14.	N.C Pal Khal		
15.	Singhimore Khal		
16.	Baidyabati Khal		
17.	Bally Khal		
18.	Bagh Khal		
19.	Najerguange Khal		
20.	Swarsati Khal		
21.	Khardah Khal		
22.	DVC Canal		

Joint Secretary
 NANDINI GHOSH, IAS
 Joint Secretary
 Department of Urban Development &
 Municipal Affairs.



Baidyabati Khal



Baidyabati STP



Baidyabati STP



Champdani Ferry Ghat drain



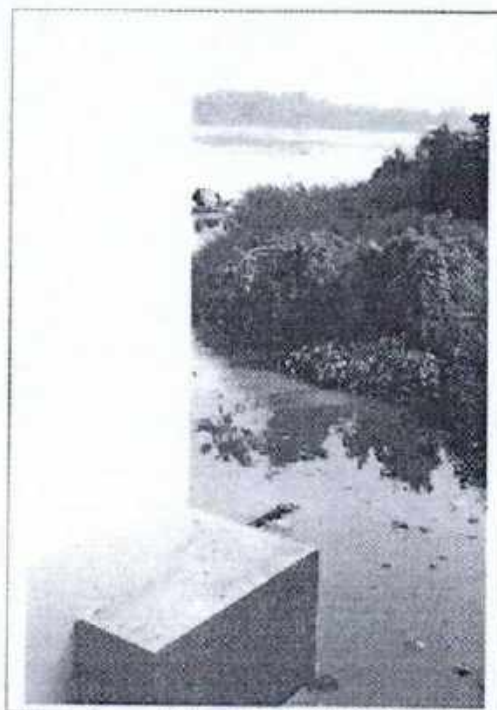
DVC Canal Champdani



Triveni STP Bansberia



BaidyaBati STP



Bagh Khal



Champdani Ferry Ghat Drain



Dhopa Ghat Drain

Annexure - V

Monitoring and Supervision of Pollution Abatement Work

- ❖ In an effort to reduce pollution at River Ganga. Department of UD & MA has gone forward to complete the pending work of under construction 03 Electric Crematoriums at Garulia, Naihati and Bhatpara. Electric connections and all other pending works were completed on war footing and these crematoriums which were getting constructed by EPIL with funding from NMCG have been handed over to the respective Municipalities. All of them have become functional and are now working smoothly. (Please refer to Annexure C and C/1 for Photographs and Communication of Hand Over).
- ❖ The Department of UD & MA is closely monitoring the work of Pollution Abatement in 17 Polluted River Stretches and 56 numbers of Drains with due care and concern. Review meetings are being held at regular intervals under the Chairmanship of Ld Principal Secretary. One such review Meeting was held with respect to the progress of work done on Bidyadhari River. Many important time bound decisions were taken and communicated to the Executing Agencies. The Department is closely monitoring the progress. **(MOM enclosed in Annexure MOM Bidyadhari)**
- ❖ Department of UD & MA has also constituted a Liquid Waste Management Committee to supervise the Progress in this regard. The Committee meets at regular intervals and reviews the work of Liquid Waste Management being done in the rivers and drains. The last meeting was held on 23.04.2021. In this Meeting, the Bid document for Mahananda STP was examined by the Expert Professors of the Committee and the feedback given by them was duly incorporated in the revised Bid document floated. AAFS would be given by the Department soon. In this meeting a presentation was also made for treatment of the water of Teesta with an alternative technology. The details of which are given below:

Action Plan for Teesta

Name	Location	Number of Drains	TYPE OF TREATMENT GOING ON	TARGET DATE OF COMPLETION
Rejuvenation of River Teesta stretch from Siliguri to Paharpur	Adjacent to downstream of the Coronation Bridge	4	As per discussion and decision taken in the meeting on 28 th May, 2021, Honble NGT will be approached by the Dept about having a demo of the Cownomics Technology sometime in Dec, 2021 to assess the performance of the technology which is completely new in nature.	Since no construction is required for the treatment, the technology, if found to be performing well, can be put to use from Jan, 2022 itself.

The Minutes of this Meeting is enclosed in **Annexure- MOM LWM**.

Department has closely reviewed some of the long pending Projects on river Ganga, the updated Status of which are as given below:

- ❖ The Trial run for 02 number of STPs at Barrackpore (6 MLD and 18 MLD), Budge Budge and Halishahar have been successfully completed in this month. They have become fully operational.

❖ **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 Namami Gange Programme.

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 need to be uprooted. Department has approached Forest Department for speedy uprooting and the work will start soon. KMDA, the Executing Agency has already informed the matter to NMCG. NMCG has given approval for change of site.
- The present position- Last date of BID submission is due on 21.06.2021 and opening on 23.06.2021

❖ **Tolly Nullah**

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

* The bid was extended time and again for 11 times up to 12/12/2018, as per the directives of NMCG, upon request on behalf of the prospective bidders. An Addendum to the tender clauses was uploaded, as instructed by NMCG. But it became fruitless as no bid was dropped.

*Based on the failure of 1st time Tender based on HAM PPP model, due to the financial burden for 60% of the Project Cost in the form of loan from Bank for a long term i.e. 15 years (for O&M).

*2nd time Tender based on DBOT model, as approved by NMCG was published on 26th Dec 2019.

*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"

* A draft Technical Bid Evaluation Report has been submitted to NMCG for their observation. The World Bank has given certain observations and KMC has already submitted the replies to the observations which are now pending before NMCG. Also, some interim measures are proposed to be taken at Tolly Nullah as below:

- Estimate for Dredging from confluence point of Ganga to Chetla Bridge, amounting to Rs11.16 Crores prepared and tender will be opened on 09/07/21.
- Consultant has been engaged for preparation of DPR for "Detail Survey for Dredging and for beautification of Tolly's Nullah of length about 15.5 km". The work order for which has been issued on 08/02/2021 and it is expected to be submitted by June 2021.

➤ **Constitution of Internal Tolly Committee for periodic review and monitoring the progress of NGT's work in Tolly Nullah:**

The Department of UD & MA has constituted an Internal Committee for Tolly Nullah for the above purpose. The first meeting of the Committee was held on 31st March 2021 under the Chairmanship of Principal Secretary UD &MA. The meeting was attended by all the stakeholder Departments-KMC, KMDA Bridge wing, Metro Rail, KPT, Environment Department, WBPCB, Irrigation Department, L&LR Department, and the Legal Cell of all concerned Departments. Many important time bound decisions were taken and communicated to the concerned Departments. The work is going on as per decisions taken.

❖ **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 for granting 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.

❖ **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)

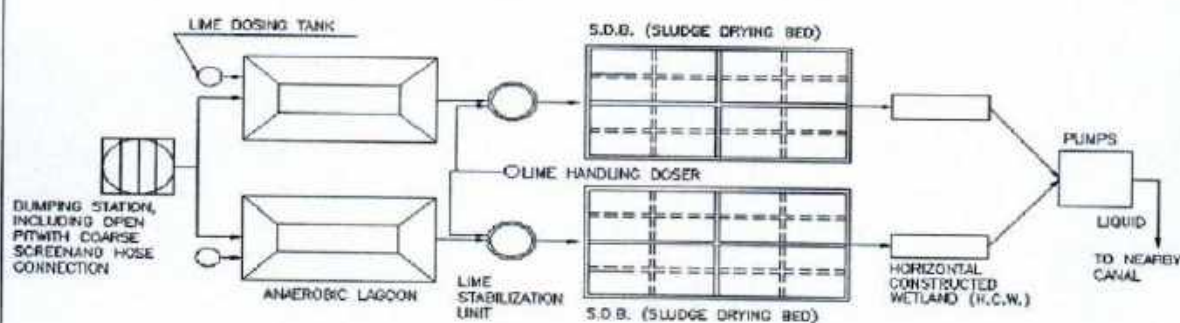
Components:-

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.

❖ 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(One Report enclosed, Annexure-A, Site Inspection Report by KMDA).

❖ Review by the Environment Monitoring Cell

The Environment Monitoring Cell has been set up by the Chief Secretary West Bengal to monitor the Progress of the work with respect to Pollution Abatement. The Cell regularly

monitors the work, one such meeting was held on 26th March 2021 under the Chairmanship of Additional Chief Secretary, Environment Department, GoWB. The work is going on as per decisions taken in the Meeting.

❖ **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. All these 643 Ghats have been inspected by the Engineers of SUDA from January till date. Actions are being taken as per Inspection Report.
- 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 Babasthaponar Sahajpath had been published by UD & MA department and widely circulated in Ganga Towns
- Regular inspection by Engineers at different Ganga Ghats has been done to ensure cleanliness and compliance of Hon'ble NGT directions
- Out of 43 Ganga Towns, 40 have been declared ODF already. This has minimized the possibility of Open Defecation near the ghats.

❖ **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 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 will be digitised. So far **12** STPs have been digitised through this app.

Site Inspection Report.

Month- April 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 under utilization if any	Status of installation of OCEMs	Status of House Connection (if any)	Incremental progress over the last visit
1	Bhatpara	Bhatpara	60.50	21.76	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	21.00	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, complted only 20,000 nos.	NIL

Sl. No.	Location	ULB Jurisdiction	Capacity in MLD	Actual utilization at present	Reasons for under utilization if any	Status of installation of OCEMs	Status of House Connection (if any)	Incremental progress over the last visit
3	Gayeshpur	Gayeshpur	8.33	Influent: 3.10 MLD (38.28%) Effluent: 3.08 MLD (36.97%)	Inadequate house connection	Not install till now	7155 no HSC has been completed out of 15000 household.	Sewage (Influent) quality has been decreased compared to previous month viz. March.2021 is 3.13 MLD .
4	Budge Budge	Budge Budge	9.3	1.2	Only for available drain connection	Not install till now	1. No of house connection : 13200 Executed : NIL No bidder participated in the 1 st call of tender. 2 nd Call was not mature due to insufficient no of bidder participation.	Operation & Maintenance work for STP started
5	Barrackpore	Barrackpore	24.0	7.00	Sewerage network could not	Not install till now	For 18.0 MLD:	Operation & Maintenance

Sl. No.	Location	ULB Jurisdiction	Capacity in MLD	Actual utilization at present	Reasons for under utilization if any	Status of installation of OCEMs	Status of House Connection (if any)	Incremental progress over the last visit
					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.		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 Nearly 10000 house connection are required. Presently Local Municipality invited tender for the House connections nearly 250 has	work for STP started 1. Overall progress increases 0.5% . 2. Laying of network work increases 0.9 %. 3. Work at Pumping station :0.5%.

Sl. No.	Location	ULB Jurisdiction	Capacity in MLD	Actual utilization at present	Reasons for under utilization if any	Status of installation of OCEMs	Status of House Connection (if any)	Incremental progress over the last visit
							been done so far.	
6	Halisahar	Halisahar	16.0	3.00	Pending of house connection. Only drain water collected	Not install till now	1. No bidder participated in the 1st call of tender. 2nd Call was not mature due to insufficient no of bidder participation. 3. Expected date of completion: 2 years after issuance of work order.	Operation & Maintenance work for STP started.

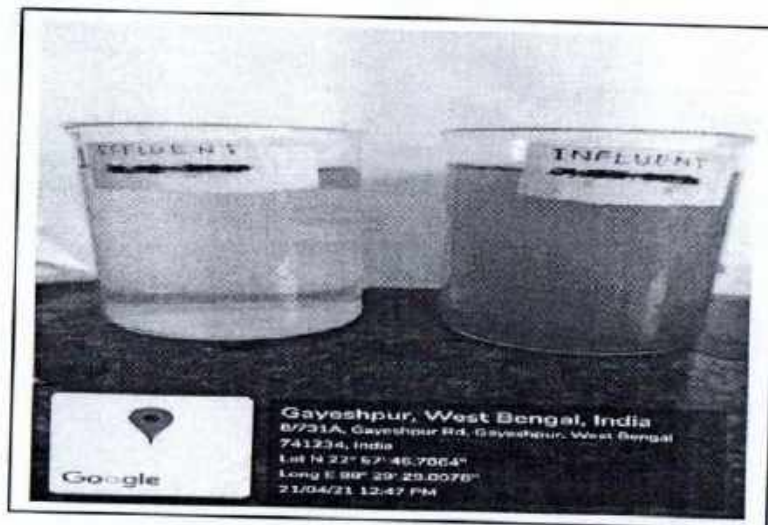
SITE VISIT PHOTOGRAPH OF STP UNDER OPERATION/TRIAL & RUN STAGE IN APRIL, 2021



GAYESHPUR SBR-Aeration and filling



GAYESHPUR Chlorination system



GAYESHPUR Influent-Effluent

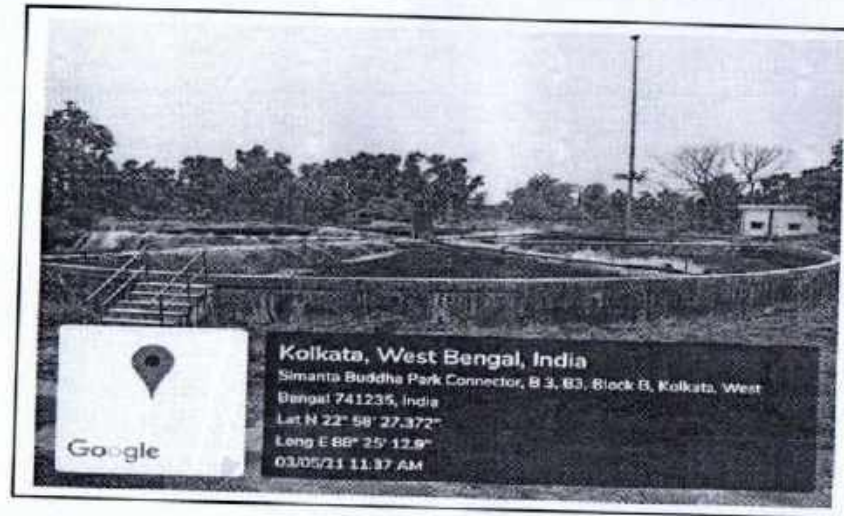


BARRACKPORE STP

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



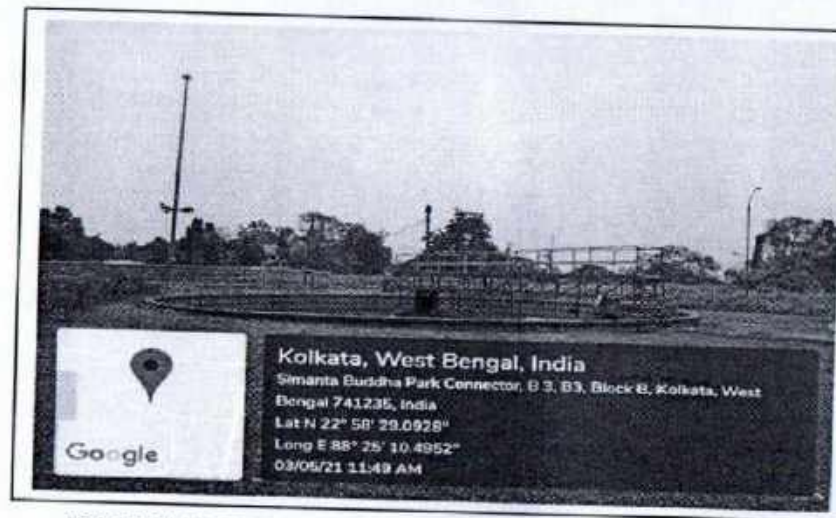
BARRACKPORE STP SITE



KALYANI WSP



HALISAHAR STP SITE



KALYANI TRICKLING FILTER UNIT

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	No bidder participated in the 3rd call. 4th call will be called shortly	Non-functional	Nil
2	Champdani	Champdani	1.00	Installed-2009 Non-functional-2018	No bidder participated in the 3rd call. 4th call will be called shortly	Non-functional	Nil
3	Bandipur (Khardah)	Khardah	14.00	Data not available	Work in progress	Overall physical progress as on 30.04.2021 : 26% comprising Repairing & renovation of STP-20% Cleaning, Repairing & renovation of network-40%	NIL
4	Garulia	Garulia	7.90	2004 Data not available	Work in progress	Overall physical progress as on 30.04.2021 : 72% comprising Repairing & renovation of STP-80% Repairing & renovation of MPS (1nos) and LS (1 no.)-70% Repairing & renovation	Overall physical progress increase 7% 1. Repairing and renovation STP work increases 0% from previous month. 2. Increase in work 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
						of network- 50% Repairing & renovation of Diversion structure- 80%	renovation of MPS (1nos) and LS (1 no.)-10% 3. Repairing & renovation of network- 10% from previous month
5	Naihati	Naihati	6.50	Data not available	Work in progress	Overall physical progress as on 30.04.2021 : 45% comprising Repairing & renovation of STP-50% Repairing & renovation of MPS (2nos)-50% Repairing & renovation of network- 20% Repairing & renovation of Diversion structure- 70%	Overall physical progress increase 10% 1. Repairing & renovation of STP-20% 2.Repairing and renovation of MPS (2nos): 10%. 3. Repairing &renovation work of Diversion structure-20%.
6	Panihati	Panihati	12.00	1993 Data not available	Work in progress	Overall physical progress as on 30.04.2021 : 28% comprising Repairing & renovation of STP-35% Repairing & renovation of MPS (1nos) and LS (3no.)-25% Repairing & renovation	Overall physical progress increase : 6% 1.Repairing and renovation of STP work : 15% 2. Increases in Repairing & renovation work MPS & LS: 0%. 3. Repairing & renovation of network-0%.

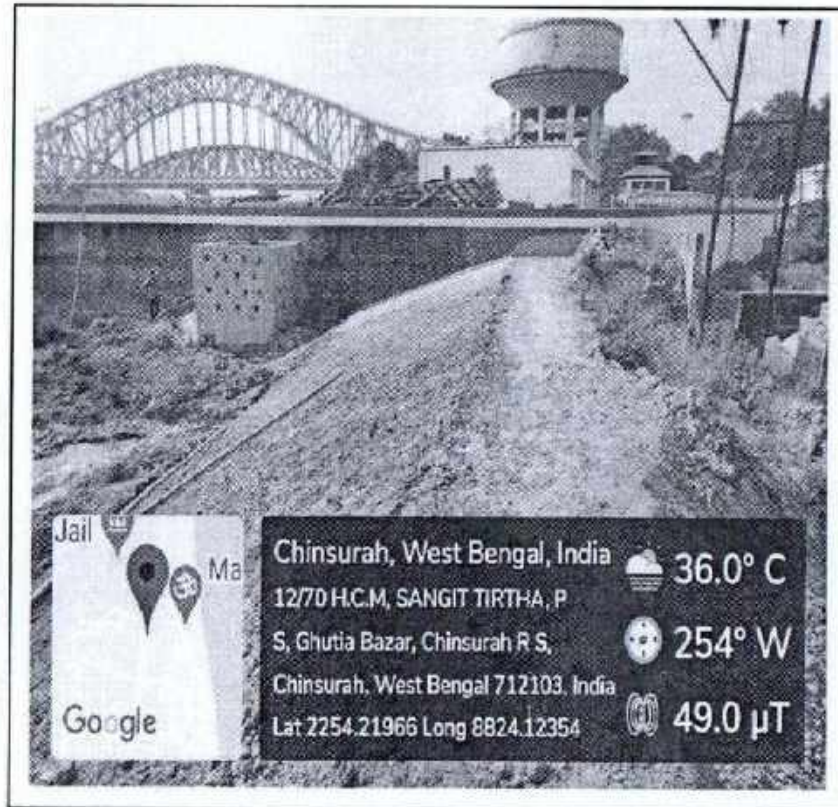
Sl. No	Location	ULB Jurisdiction	Capacity in MLD	Installed in (year) Non functional since (year)	Current initiative towards functionalization, if any	Present Status	Incremental progress over the last visit
						of network- 25%	
7	Baidyabati	Baidyabati	6.00	2007 Data not available	Waiting for approval	Technical and Financial evolution has completed and awaiting for approval from NMCG.	Awaiting for approval from NMCG.
8	Bhadreswar	Bhadreswar	7.60	2006 Data not available	Waiting for approval	Technical and Financial evolution has completed and awaiting for approval from NMCG.	Awaiting for approval from NMCG.
9	Chandannagar	Chandannagar	22.66	1993 Data not available	Work is in Progress	Overall physical progress as on 30.04.2021 is 11% 1. Repair & renovation of Primary Sedimentation Tank including total repairing of damaged parts is in progress.-10% 2. Clearing 18 nos Sludge Drying bed including removal of jungle, small trees, earth, rubbish etc. including supplying and placing of Gravels, sand etc is in progress.-9% 3. Repairing and	1. Desludging and Dewatering of OP1 & OP2 had completed and Lining work for OP1 partially completed. 2. Renovation of PST, Gritchamber work is under process.

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
						renovation of Oxidation ponds alone with internal drains within S.T.P premises is in progress-10% 4. Clearing compound premises of shrubs-12%	
10	Bansberia	Bansberia	0.30	2009 Data not available	Work is in Progress	Partially functional and presently undergoing renovation to make it fully functional. Overall physical progress as on 30.04.2021 is 10% 1. Repairing & renovation of roof of MPS & Rest house is completed. 2. 300 mm dia UPVC pipe laying and bypass arrangement completed. 3. Renovation of STP is in progress 4. Clearing compound premises of shrub within S.T.P complex, at Tribeni, Bansberia completed. 5. Network cleaning is going on	1. Dewatering and desludging of Anaerobic pond as well as Facultative pond completed. 2. Flooring work of STP is in completed, 3. Bypass arrangement is completed.

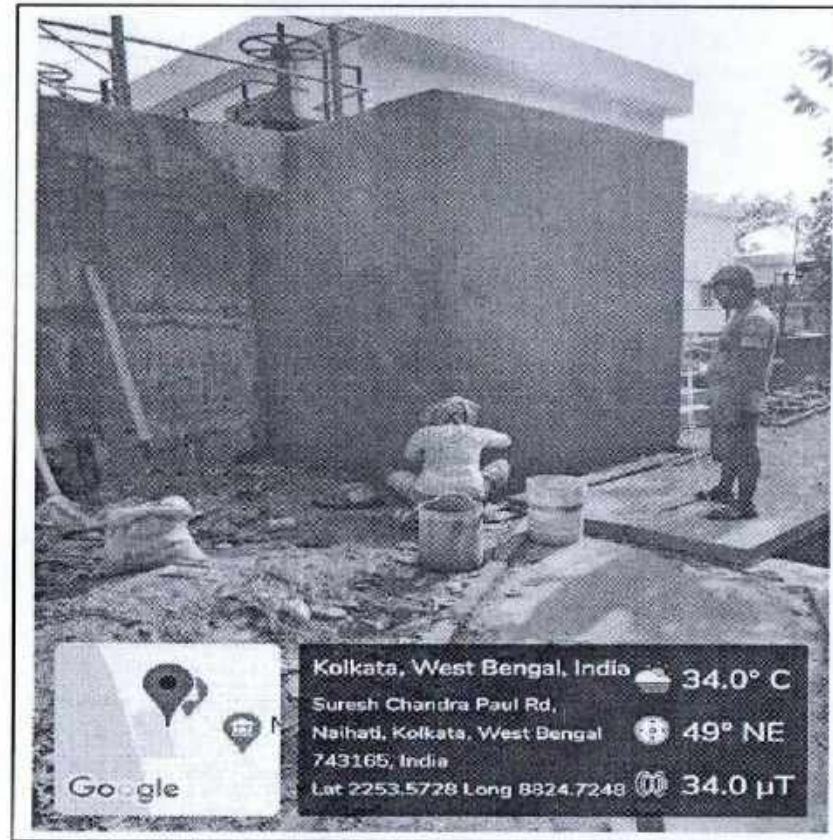
Sl. No	Location	ULB Jurisdiction	Capacity in MLD	Installed in (year) Non functional since (year)	Current initiative towards functionalization, if any	Present Status	Incremental progress over the last visit
11	Uttarpara – Kotrung and Konnagar	Kanaipur Gram Panchayet	22.00	2007 Data not available	Work is in Progress	Overall physical progress(Civil work)as on 30.04.2021: 38%, Repairing & renovation of STP: 40%, Repairing & renovation of LS (4 nos.) & MPS (1 no) :-90% , Cleaning,Repairing & renovation of network-10%	Overall physical progress increases 8% 1. Progress in repair and renovation work of STP : 15%
12	Naihati	Naihati	11.56	2009 Data not available	Work is in Progress	Overall Physical Progress as on 30.04.2021 is: 28% Repairing & renovation of STP-45% Repairing & renovation of MPS (1nos) and LS (1 no.)-35% Cleaning,Repairing & renovation of network-20% Repairing & renovation of Diversion structure-20%	Overall Physical Progress increases as compared with previous month: 5%. 1. Progress in repair and renovation work of STP: 5% 2. Repair & renovation of MPS and LS: 5%
13	Titagarh	Titagarh	9.00	1989 Data not available	Work is in Progress	Overall Physical Progress as on 30.04.2021 is : 61% comprising Repairing & renovation of STP-72% Repairing & renovation	Overall Physical Progress increases as compared with previous month: 1%. 1. Progress in repair and renovation work of STP: 2% 2. Repair & renovation of

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
						of MPS (1 nos) and LS (3 no.)-45% Cleaning, Repairing & renovation of network-30% Repairing & renovation of Diversion structure-70%	Diversion structure: 5%

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

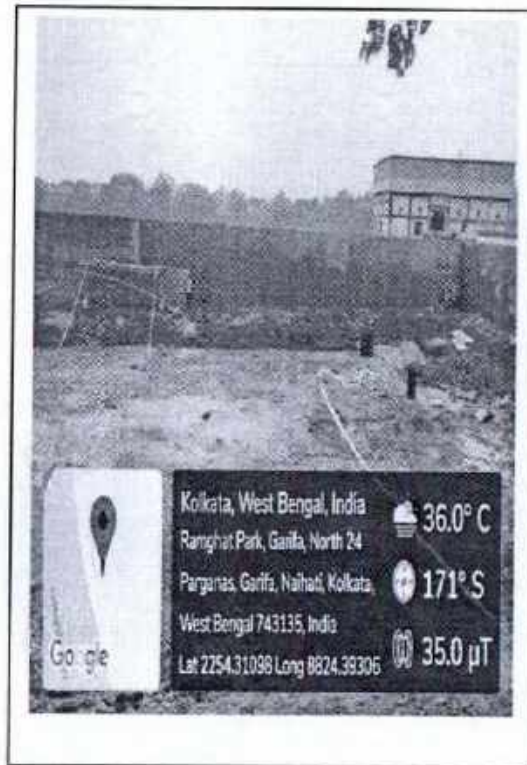


NAIHATI WSP



NAIHATI ASP

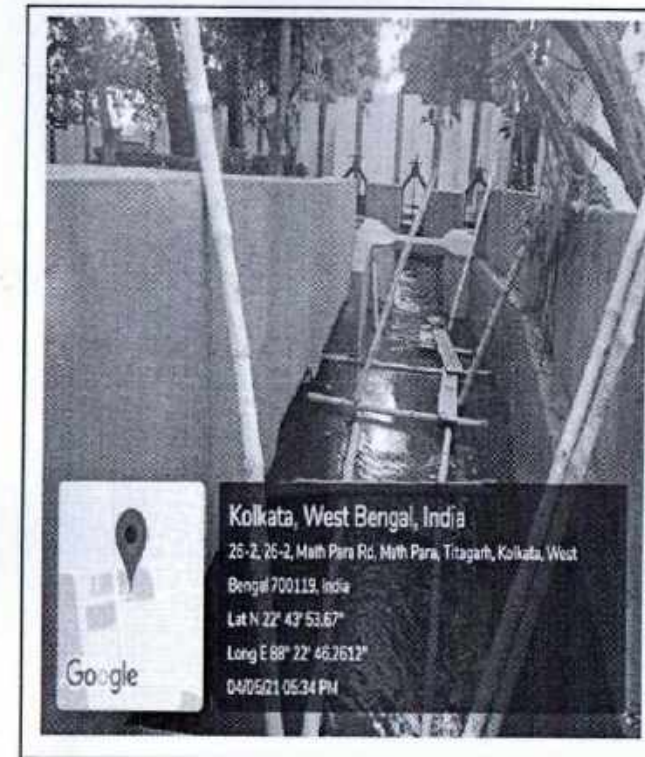
SITE VISIT PHOTOGRAPH OF STPs UNDER NON-OPERATIONAL/ PARTIALLY OPERATIONAL IN APRIL 2021



NAIHATI WSP

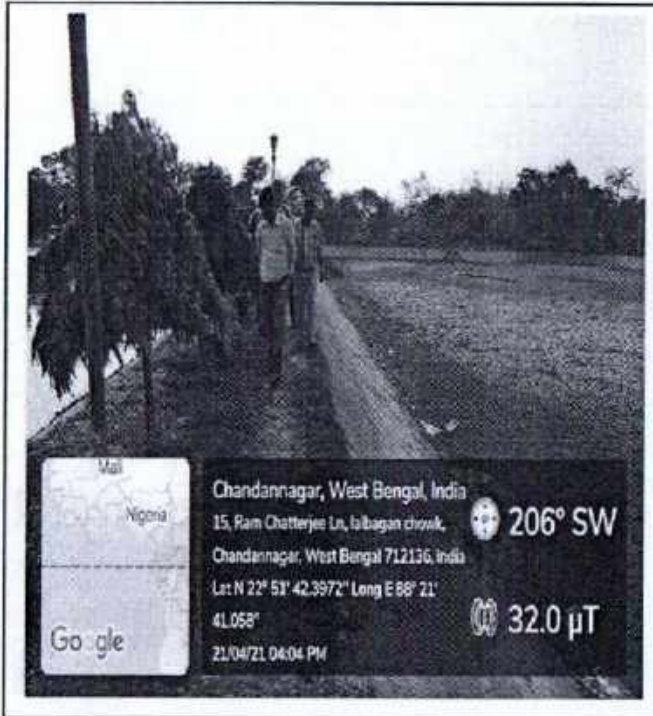


PANIHATI WSP

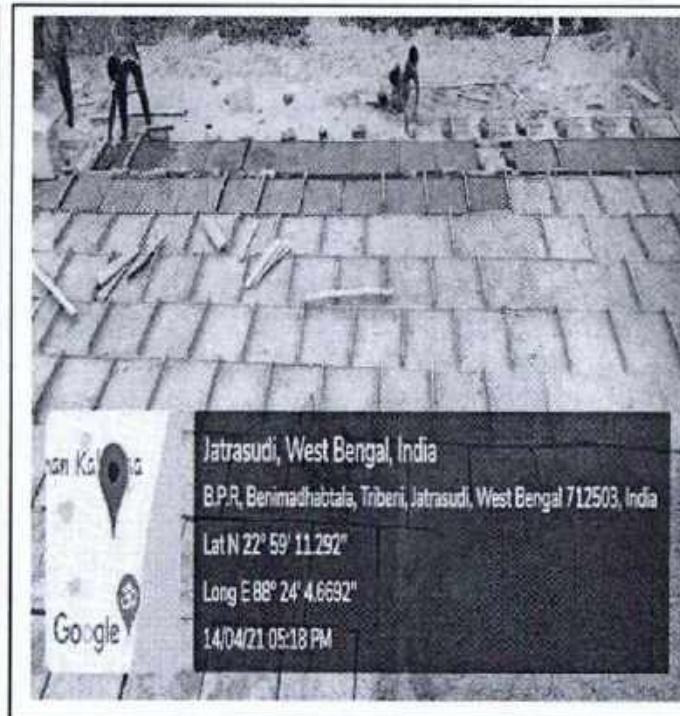


TITAGARH ASP& OP

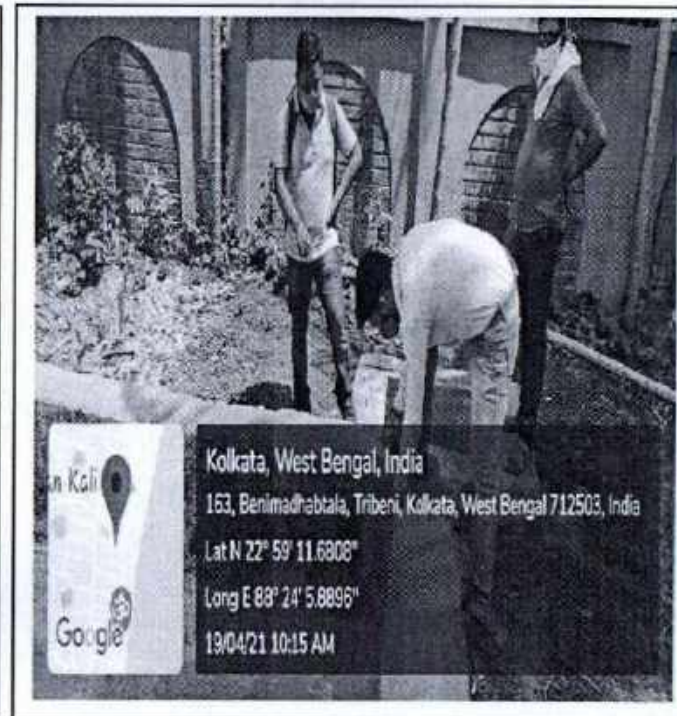
SITE VISIT PHOTOGRAPH OF STPs UNDER NON-OPERATIONAL/ PARTIALLY OPERATIONAL IN APRIL 2021



CHANDANNAGAR 4.5 MLD RENOVATION

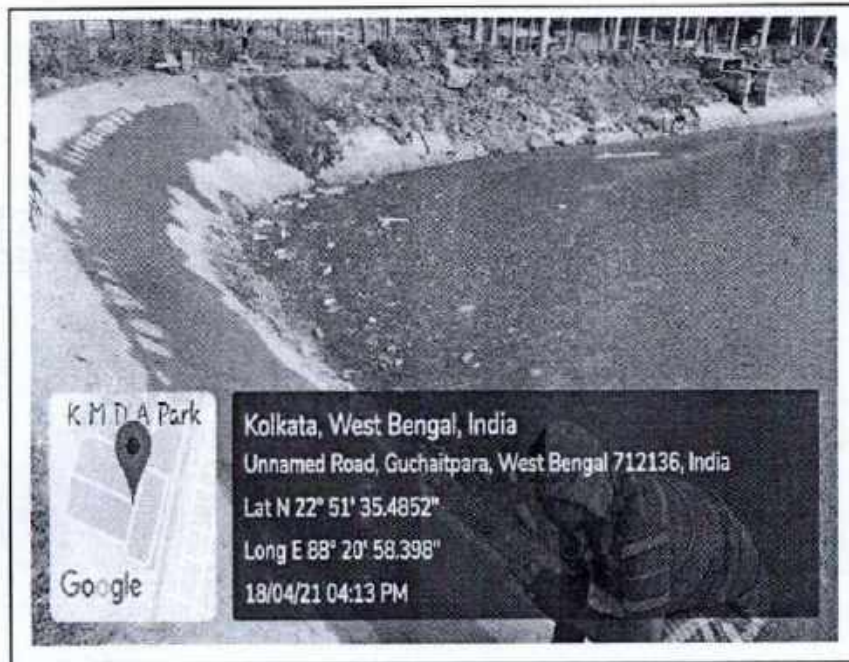


BANSBERIA (ASP)

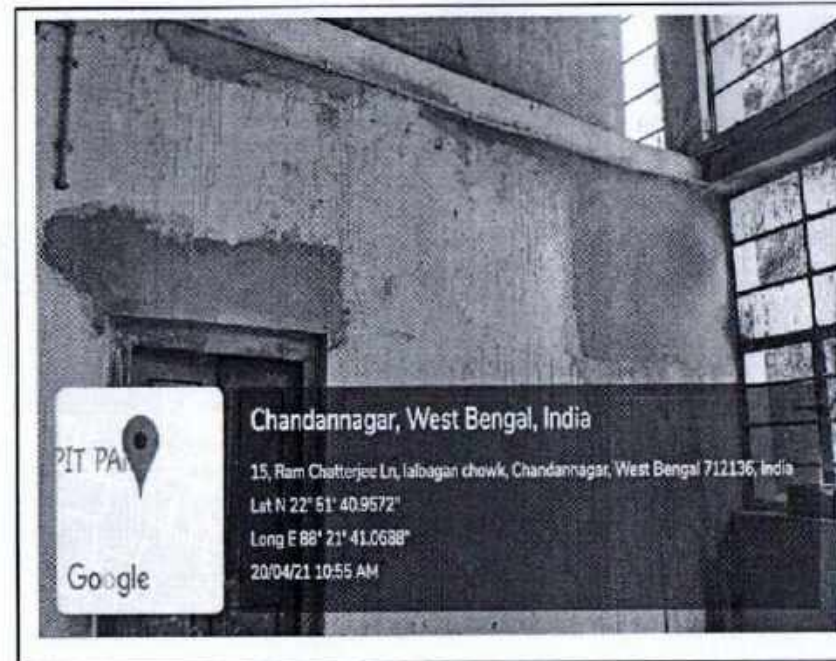


BANSBERIA (ASP)

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



CHANDANNAGAR 4.5 MLD RENOVATION



LALBAGAN MPS RENOVATION WORK

3. STPs under different stages of execution.

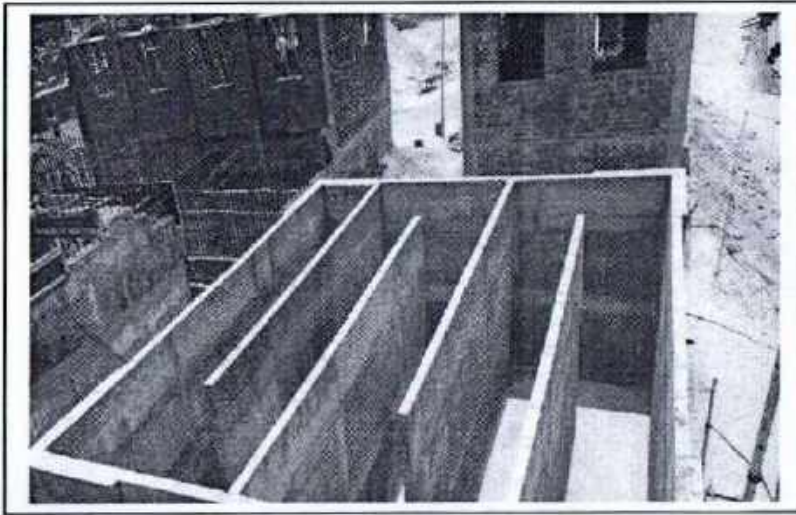
Sl. No.	Location	ULB jurisdiction	Proposed capacity in MLD	Timeline for completion	Present Status	Incremental progress over the last visit
1	Nabadwip	Nabadwip	9.50 MLD	May,2021	Under Construction Overall physical progress achieved as on 30.04.2021 is 75%.	Overall Physical Progress increases as compared with previous month: 5%. 1. Progress in construction of 9.5 MLD STP: 6% 2. Construction work of MPS increases: 8%
2	Kanchrapara	Kanchrapara	18.00 MLD	December,2021	Under Construction Overall physical progress achieved as on 30.04.2021 is 43%.	Overall Physical Progress increases as compared with previous month: 3%. 1. Construction work of 18 MLD capacity STP increases: 2%
3	Jangipur	Jangipur	8.00 MLD	May,2022	Under Construction Physical Progress upto 30.04.2021: 12.68% Approved Vetted Design & Drawing of 8 MLD STP submitted and work started. Already 147 nos of Piles driven. Sewerage Network Vetted design & drawing submitted and approved by the competent authority. Laying of sewer line about 982 m completed till date. Construction of MCC & Blower Room of STP started. The design and vetting of 2 Nos of L.S. and 1 No of MPS is under process. The land for construction for 2 nos of Lifting Stations has not yet handed over to this end	At Jangipur site 50 nos. piles driven in this month.

Sl. No.	Location	ULB jurisdiction	Proposed capacity in MLD	Timeline for completion	Present Status	Incremental progress over the last visit
4	Raghunathgaunge	Jangipur	5.00 MLD	May,2022	Under Construction Physical Progress upto 30.04.2021 7.81% Approved Vetted Design & Drawing of 5 MLD STP and work started. Already 92 nos of pile driven. Vetted Sewerage Network drawing submitted and approved by the competent authority. The design and vetting of 2 Nos. of LS and 1 No of MPS is under process	Overall progress increases 3.14%. 88 nos pile driven at this site.
5	Berhampore	Berhampore	3.50 MLD	May,2022	Physical Progress upto 30.04.2021: 1.8% Laying of HDPE(DWC) pipe of 405 m length done till date. The design & drawing of 2 nos of L.S and 1 no. of MPS is under process. The design work for setting up 3.5 MLD STP will start shortly, however the finalization of alternative land is still under process. The work was disrupted during the Nation wide lock down for nearly 3 months. The land for construction for 2nos of Lifting Stations and also of STP has not yet handed over to this end	NIL
6	Bally (Kona)	Jagacha Gram Panchayet	62.00	Sept.-2023	Overall physical progress as on 30.04.2021: As per the terms and conditions laid down in the said LOA and in the referred Agreement the effective date is declared 08.03.2021 by the NMCG for this HAM project with 15 years O&M. Process Design has been approved by the IIT Kharagpur and all the 1st Phase Engineering Design & Drawing has also been approved. The Phase-II Design & Drawing is under the purview of IIT Kharagpur and Project Engineer Royal Haskoning DHV Pvt. Ltd. The Agency M/s. Ganga STP Project	1. effective date is declared 08.03.2021 by the NMCG for this HAM project with 15 years O&M. 2. Dewatering & Filling of land has been started

Sl. No.	Location	ULB jurisdiction	Proposed capacity in MLD	Timeline for completion	Present Status	Incremental progress over the last visit
					Private Limited has just Started the Mobilisation Work. Dewatering & Filling of land has been started.	
7	Arupara	Howrah	65.00	Sept.-2023	Overall physical progress as on 30.04.2021: As per the terms and conditions laid down in the said LOA and in the referred Agreement the effective date is declared 08.03.2021 by the NMCG for this HAM project with 15 years O&M. Process Design has been approved by the IIT Kharagpur and all the 1st Phase Engineering Design & Drawing has also been approved. The Phase-II Design & Drawing is under the purview of IIT Kharagpur and Project Engineer Royal Haskoning DHV Pvt. Ltd. The Agency M/s. Ganga STP Project Private Limited has just Started the Mobilisation Work. Layout is completed. Pilling work will be started very soon.	1. effective date is declared 08.03.2021 by the NMCG for this HAM project with 15 years O&M. 2. Layout is completed.
8	Mathkal	Baranagar	60.00	Sept.-2023	Overall physical progress as on 30.04.2021: As per the terms and conditions laid down in the said LOA and in the referred Agreement the effective date is declared 08.03.2021 by the NMCG for this HAM project with 15 years O&M. Process Design has been approved by the IIT Kharagpur and all the 1st Phase Engineering Design & Drawing has also been approved. The Phase-II Design & Drawing is under the purview of IIT Kharagpur and Project	1. effective date is declared 08.03.2021 by the NMCG for this HAM project with 15 years O&M. 2. Mobilization work started.

Sl. No.	Location	ULB jurisdiction	Proposed capacity in MLD	Timeline for completion	Present Status	Incremental progress over the last visit
					Engineer Royal Haskoning DHV Pvt. Ltd. The Agency M/s. Ganga STP Project Private Limited has just Started the Mobilisation Work.	

SITE INSPECTION OF DIFFERENT PROJECT UNDER EXECUTION IN APRIL 2021



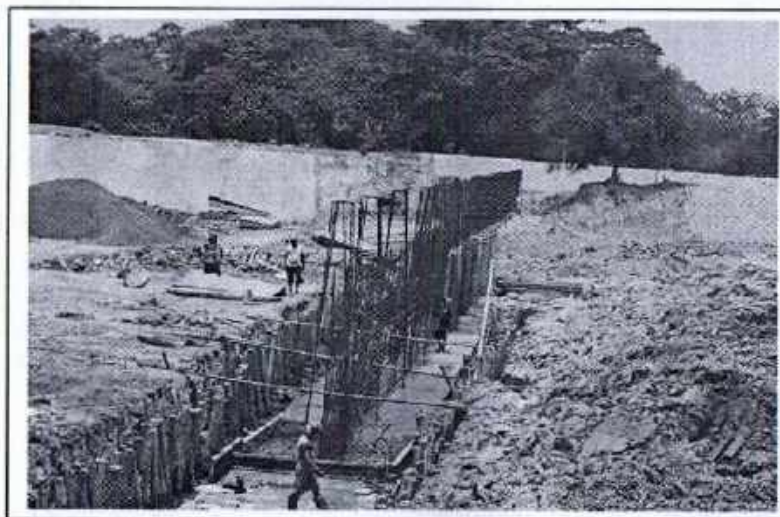
NABADWIP CHLORINATION CONTACT TANK



NABADWIP STP



KACHRAPARA PITCHING WORK



KACHRAPARA STP SITE

SITE INSPECTION OF DIFFERENT PROJECT UNDER EXECUTION IN MARCH 2021



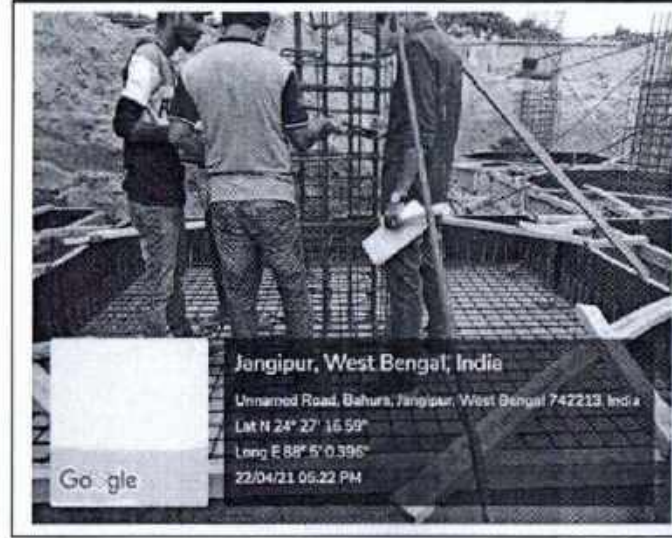
PILING WORK AT RAGHUNATHGANJ STP SITE



PILING WORK AT JANGIPUR STP SITE



BERHAMPORE-JANGIPUR STP SITE



BERHAMPORE-JANGIPUR STP SITE



ARUPARA



BALLY



ARUPARA



BALLY

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.	Casting of Base slab with 2 nos column completed.
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.	Casting of Base slab with column is in progress.
5.	Thanar Khal	Naihati	16.2 MLD	Considered to be connected with the STP 2 (11.56 MLD capacity) at Naihati in rejuvenation works under	NO	Civil construction for Lock	Site protection work of drain with

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
				North 24 Parganas district.		gate is in progress.	excavation work for base slab of lock gate structure is in progress.
6.	Imambara Khal	Hooghly	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	88.1 MLD	Consider in Hooghly - Chinsurah Revised DPR	No	Tender of Hooghly - Chinsurah STP is in progress	NIL
8.	ChandniGhat Drain	Chinsurah	1.7 MLD	Consider in Hooghly - Chinsurah Revised DPR	No	Tender of Hooghly - Chinsurah STP is in progress	NIL
9.	DebitalaPancha 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 partial flow will be diverted to STP after rejuvenation.	Installation of gate completed.
10.	Serampore / Bhagirathi Drain	Serampore	14.6 MLD	Considered to be connected with the STP (18.60 MLD capacity) at Serampore in rejuvenation works	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
				under Hooghly district.			
11.	Chatra Khal	Serampore	70.0 MLD	Considered to be connected with the STP (18.60 MLD capacity) at Serampore in rejuvenation works under Hooghly district.	No	Tendering stage	NIL
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.	Installation of lock gate completed.
14.	Dhobi Ghat Drain	North Barrackpore	1.2 MLD	Considered to be connected with the STP 1 (6.50 MLD capacity) at North Barrackpore. DPR submitted to NMCG on 22.07.2020 for approval.	No	DPR stage	NIL
15.	Titagarh Drain (Bishalaxmi Ghat)	Titagarh	21.7 MLD	Considered to be connected with the STP (14.10 MLD capacity) at Khardah-Bandipur in rejuvenation works under North 24 Parganas district.	NO	Installation of Lock gate completed and partial flow will be diverted to STP after	Installation of lock gate completed.

Sl no.	Name of drain	City/Town of confluence point	Flow of drain(MLD)	Any STP operation/planned in the catchment area or likely diversion/interception of the drain of STP	Any alternative Pollution Abatement measures taken	Present Status	Incremental progress over the last visit
						rejuvenation.	
16.	Hasting 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	NIL	NIL
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 PB ghat to nearest manhole has been completed.	Work
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	Kalighat	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	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
						floating materials for the ease of removing the same from reaching to the River.	
28.	Nimtala Burning Ghat Drain	Kalighat	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	Khidderpore	80.9 MLD	Draft DPR for I&D submitted to NMCG for approval on 30.03.2019. 3 New STPs are proposed.	Under KMC	Dhankheti Khal is guarded with 3bar screens at different locations to arrest the floating materials for the ease of removing the same from reaching to the 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.	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
				Ltd. under HAM.			
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 STP through the ongoing Bhatpara Project.	No	Installation of Lock gate completed.	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	Tendering stage	
36.	Bhatpara Drain	Bhatpara	2.6 MLD	NO	No	a. S&SWM submitted the feasibility reports to GAP sector . b. Tender for engaging agency is under process from	Tender is under process for selection of Agency to prepare DPR estimate, by Gap Sector KMDA on the basis of feasibility report.
37.	Pratapnagar-Rajbari Drain	Bhatpara	35.3 MLD				
38.	Bhatpara-Open pucca drain	Rishra&Konanagar	58.3 MLD				
39.	Bagh Khal	Kalyani	29.5 MLD				
40.	Majher Char Khal	Hooghly	3.9 MLD				

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	Bhatpara	2.6 MLD			GAP Sector, to conduct hydraulic and route survey and preparation of DPR. Since Exemption of ECI has not been obtained tender for the same to be invited shortly	
42.	Khardah Khal	Khardah	271.5 MLD				
43.	N.C. Pal Khal	Sankrail	10.7 MLD				
44.	Saraswati Khal	Howrah	20.6 MLD				
45.	DhopaGhat Drain	Hooghly	0.1 MLD				
46.	Chandannagar Drain	Chandannagar	0.4 MLD				
47.	Nazerganj Khal	Sankrail	1075.2 MLD	No		All land related issues that may come up while executing the work should be communicated to the land cell in advance. The JS (Land) will	

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
						organize meeting with GAP & S&SWM to finalize land requirement and further to be followed up.	
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	a. S&SWM submitted the feasibility reports to GAP sector . b. Tender for engaging agency is under process from GAP Sector, to conduct hydraulic and route survey and preparation of DPR.	Tender is under process for selection of Agency to prepare DPR estimate, by Gap Sector KMDA on the basis of feasibility report.
50.	DVC Canal	Champdani	353.6 MLD	No	No	Since Exemption of ECI has not been obtained tender for the same to be invited shortly All land related issues that	

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
						may come up while executing the work should be communicated to the land cell in advance. The JS (Land) will organize meeting with GAP & S&SWM to finalize land requirement and further to be followed up.	
51.	Bazarpara-Garighat Drain / Sharenga drain	Sankrail/Sharenga	185.9 MLD	No	No	For Sharenga Khal, where 9 no. of effluent generating units are discharging effluents, WBPCB has already take regulatory action.	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
52.	Baidyabati Drain	Baidyabati	576.0 MLD	No	No	a. S&SWM submitted the feasibility reports to GAP sector . b. Tender for engaging agency is under process from GAP Sector, to conduct hydraulic and route survey and preparation of DPR. Since Exemption of ECI has not been obtained tender for the same to be invited shortly All land related issues that	Tender is under process for selection of Agency to prepare DPR estimate, by Gap Sector KMDA on the basis of feasibility report.
53.	Bally Khal	Bally	4860.0 MLD				
			1.9 MLD				
54.	Singhi More Khal	Sankrail	1.10				

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
						may come up while executing the work should be communicated to the land cell in advance. The JS (Land) will organize meeting with GAP & S&SWM to finalize land requirement and further to be followed up.	
55.	BTPS Out fall Drain-I	Hooghly	5.9 MLD	No	No	For BTPS khal, since the drain carries fly ash flow effluent, therefore to trace the source of domestic effluent a joint	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
						inspection to be done next week by SPMG, S&SWM and WBPCB.	
56.	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

SITE VISIT PHOTOS OF OUTFALLS IN APRIL 2021



BAGHER KHAL

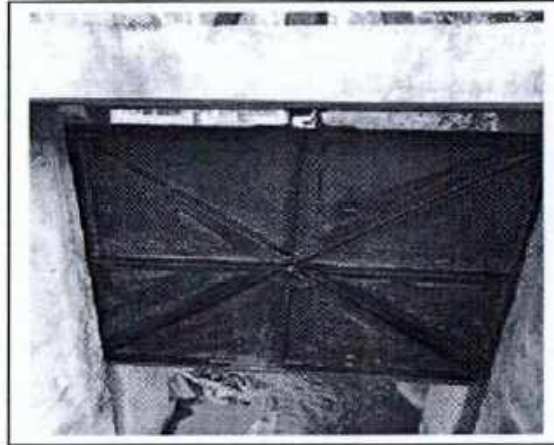


BAGHER KHAL

SITE VISIT PHOTOS OF OUTFALLS IN APRIL 2021



GARIFA SOUTH (RAM GHAT)



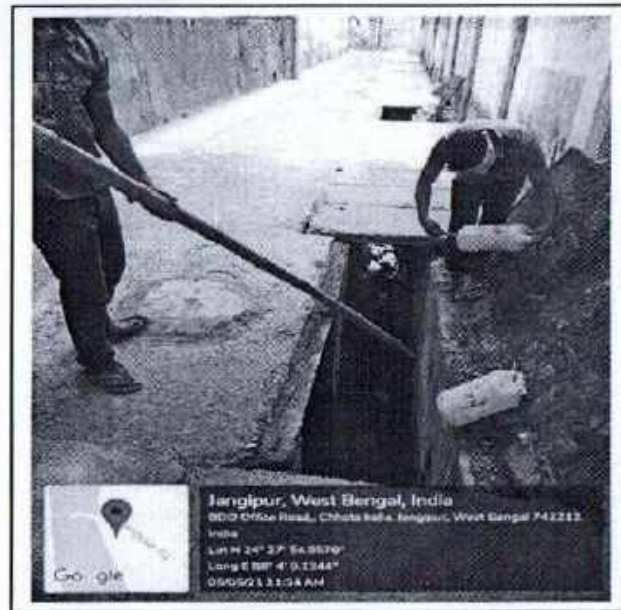
HALISAHAR DRAIN LOCKGATE



THANER KHAL LOCKGATE STRUCTURE

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



SITE VISIT PHOTOS OF JANGIPUR DRAIN IN APRIL 2021

Date: 30.04.2021

Name of Reporting Engineer: PRANTIK RAY

Designation: CHIEF ENGINEER

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

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

Date: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 compulsorySiteVisitseverymonthandmonitortheprogressofdifferentProjectswhichinclude:

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

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 &
 MADepartment

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. CEOKMDA
3. CEOSJDA
4. CEOADDA
5. Chairman, Liquid Waste ManagementCommittee
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-B: Photographs showing Progress of the construction of STP at Tarapith executed by PHED



Annexure-C: Photographs of newly constructed electric crematoriums at Garulia, Naihati and Bhatpara.

Ratneswar Creamtorium



Naihati Crematorium



Bhatpara Crematorium



NANDINI GHOSH, IAS
Joint Secretary



Annexure - C)

DEPARTMENT OF URBAN
DEVELOPMENT & MUNICIPAL
AFFAIRS
GOVERNMENT OF WEST BENGAL
"Nagarayan" DF-8, Sector - 1,
Salt Lake, Kolkata - 700 064
Ph: (033) 2321-1121
E-mail : nandinighosh.jsudma@gmail.com

Memo No. 68-JS(NG)

Date: 05.05.2021.

To,
Shri O.P.Sharma,
National Mission for Clean Ganga,
Ministry of Jal Shakti
(Department of Water Resources, River Development & Ganga Rejuvenation), GOI,
1st Floor, Major Dhyan Chand National Stadium,
India Gate, New Delhi-110002.

Subject: Report on Handing Over of Newly built Crematoriums in West Bengal, constructed by EPIL and funded by NMCG at:

- a. Athpur, under Bhatpara Municipality.
- b. New Ratneswar crematorium under Garulia Municipality.
- c. Ramghat, Senpara under Naihati Municipality.

Sir,

With reference to the above subject, this is for your kind information that the above mentioned three numbers of crematoriums in West Bengal have been successfully handed over to the concerned Municipalities by EPIL and they are now fully operational and running successfully. The intimation received from the Municipalities regarding taking over are enclosed herewith for ready reference. This is for your kind information and further actions.

Yours faithfully,

Memo No. 68/1(5)-JS (NG)

Date: 05.05.2021.

Copy forwarded for kind information to:

1. Principal Secretary, Department of UD & MA.
2. Shri Ashok Kumar Singh, ED NMCG, 1st Floor, Major Dhyan Chand National Stadium, India Gate, New Delhi-110002
3. PD SPMG, CJ-164, 2nd Avenue, DJ Block, Sector II, Bidhannagar, Kolkata- 700091
4. Shri J.K.Mondal, Senior Manager, EPI Kolkata,
5. Sr. P.S to Principal Secretary, Department of UD & MA.

Joint Secretary.

Note on Bidyadhari River (Priority-I River)

Executing Agency- KMDA and PHED

- Preliminary Survey work completed.
- Primarily 3 (three) canals (Bhangar Kata Khal, Bagiola Canal and SWF/DWF Canal) are discharging into the river Bidyadhari on the 20 km stretch from Haroa Bridge to Malancha.
- 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.
- 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. An Interim Report has already been submitted and the final Report has been proposed to be submitted by 31st May 2021.
- On 8th April 2021, a Review Meeting on the progress of the work done in Bidyadhari River was held under the Chairmanship of Ld Principal secretary UD & MA Department with all concerned. The main decisions taken in the Meeting are as follows:

Sl. No	Issues	Decisions
1.	Feasibility Study and Report on Bidyadhari river to be made by IIT-Kharagpur.	It was decided that, while making the survey, IIT-Kharagpur to be clearly instructed to demarcate the Municipalities and the Peri-Urban Areas in the course and stretch of Bidyadhari river. In case of Panchayat areas, P&RD Department will be requested to take up Pollution Abatement measures.
2.	Proposed STPs to be built on Bidyadhari River	It is proposed that: a. One STP of 41MLD for Kestopur Khal. (Expected Project Cost-247 Crores) b. 10 STPs with combined capacity of 246 MLD for Bagiola Khal. c. Atleast 6 STP one each at Barasat, Dumdum, Madhyamgram, North Dumdum, Rajarhat – Gopalpur, New Barrackpore.
3.	DPR for STPs at Bagiola and Kestopur prepared by KMDA	It was decided that: a. KMDA will submit DPRs for both Bagiola and Kestopur STP soon. b. It was subsequently put forward by CE GAP KMDA that no augmentation is required with respect to the existing STP of SLRDC. c. It was further decided to form a 3 member Committee consisting of CE GAP KMDA, SE& Nodal Officer PHED and Dr. T.K. Gupta Chief Technical Advisor WBPCB. The Committee will sit on Wednesday of every week and sort out the different issues involved in successful completion and implementation of Pollution Abatement Works on Bidyadhari River. The Committee will further decide on the number of STPs require for above mentioned 6 Municipalities including I&D, if required suitable interim measures till completion of STPs. The Committee will also further keep in provision the

MOM of the Review Meeting of Honourable Principal Secretary UD & MA Department on
Issues related with On Pollution Abatement Work in

Bidyadhari River held on 08th April 2021 at the Conference Hall of Nagarayan.

The meeting was chaired by Ld Principal Secretary UD&MA Department, and was attended by the officials and Engineers as below:

1. CEO KMDA & PD SPMG
2. Additional Secretary, Environment Department
3. Nandini Ghosh, Joint Secretary
4. Director SUDA
5. Shri Arup Ratan Mukhopadhyay, Joint Secretary
6. Additional Project Director, SPMG
7. Director General, Tolly Nullah
8. Secretary MED
9. Dr T. K. Gupta, Chief Technical Advisor, CPCB
10. Chief Engineer, GAP Sector, KMDA
11. Chief Engineer, KMDA
12. Chief Engineer, MED
13. Chief Engineer, PHED, Head Quarter
14. Special Engineer, SLRDC
15. Shri Shibu Bhusan Das, SE & Nodal Officer, PHED

Principal Secretary UD&MA Department welcomed all with Season's Greetings and highlighted the agenda of the meeting which were as follows:

The main agenda of the discussion was Pollution Abatement of the river Bidyadhari from the stretch- Haroa Bridge to Malancha Burning Ghat (20 Kms) covering the Municipalities of Dum Dum, North Dum Dum, Madhyamgram, New Barrackpore, Rajarhat-Gopalpur and Barasat.

Main Points of Discussion:

Sl. No	Issues	Decisions
1.	Feasibility Study and Report on Bidyadhari river to be made by IIT-Kharagpur.	It was decided that, while making the survey, IIT-Kharagpur to be clearly instructed to demarcate the Municipalities and the Peri-Urban Areas in the course and stretch of Bidyadhari river. In case of Panchayat areas, P&RD Department will be requested to take up Pollution Abatement measures The Feasibility Report is to be submitted by 31 st May 2021.
2.	Proposed STPs to be built on Bidyadhari River	It is proposed that: a. One STP of 41MLD for Kestopur Khal. (Expected Project Cost-247 Crores) b. 10 STPs with combined capacity of 246 MLD for Bagjola Khal. c. Atleast 6 STP one each at Barasat, Dumdum, Madhyamgram, North Dumdum, Rajarhat -Gopalpur, New Barrackpore.
3.	DPR for STPs at Bagjola and Kestopur prepared by KMDA	It was decided that: a. KMDA will submit DPRs for both Bagjola and Kestopur STP by 10 th May 2021. b. It was subsequently put forward by CE GAP KMDA that no augmentation is required with respect to the existing STP of SLRDC. c. It was further decided to form a 3 member Committee consisting of CE GAP KMDA, SE& Nodal Officer PHED and Dr. T.K. Gupta Chief Technical Advisor WBFCB. The Committee will sit on Wednesday of every week and sort out the different issues involved in successful completion and implementation of Pollution Abatement Works on Bidyadhari River. The Committee will further decide on the number of STPs require for above mentioned 6 Municipalities including I&D, if required suitable interim measures till completion of STPs. The Committee will also further keep in provision the future Sewer networking, if required. The Committee was advised to take into consideration and confidence the 6 Municipalities as stated above for successful implementation. The Committee is also expected to sort out the land issues which may arise while setting up of STPs. The Committee will report to CEO KMDA and PD SPMG of the progress made. The Committee would sit on the next available working day in case any Wednesday is a public holiday.
4.	Progress of the ongoing STPs under PHED	As stated by the Nodal Officer: a. STP at Newtown-Rajarhat Action Area-IIID is expected to be completed by 30 th June 2021. b. STP at Tarapith is expected to be completed by 31 st May 2021. c. STP at Ghushighata- DROPPED as at least 6 STPs will be built in place of it at 6 Municipalities along the stretch of Bidyadhari River.

5.	Dredging of Canals	It was decided that: - In the canals falling under KMA area, KMDA will take up the dredging activities. - In the canals belonging to Irrigation Department, Director SUDA would liaison with I & W Department for getting the dredging done. With respect to dredging activities in the canals discharging to Bidyadhari River, SUDA will be the nodal agency and Director SUDA will liaison and coordinate with KMDA and Irrigation & Waterways Department. Director SUDA is requested to submit an Interim Report on this matter by 31st May 2021.
6.	Existing STPs under PHED	As per information received by Department of UD & MA, PHED is going to handover the following STPs to the Municipalities. - Nabadwip - Katwa - Diamond Harbor - Murshidabad - Digha Shankarpur Development Area All the above mentioned STPs are operational and are complied with respect to the older norms of BOD-20. It was decided that prior to handover: - MED along with KMDA would prepare a checklist for ascertaining the health of these STPs which would include the Water quality level, status of Pump houses and civil structure along with other parameters. - Joint Inspection is to be made by Nandini Ghosh Joint Secretary UD & MA, Secretary and Engineers from MED, Engineers from KMDA, Engineers from PHE, representatives from Municipalities. The inspection would start after 15th May 2021. - The takeover will take place after Puja vacation this year.
7.	Berhampur – Murshidabad STP (non operational)	There are some issues involved with local fishermen with respect to this STP. The highest authorities of Department of UD & MA tried to resolve the matter at its level best but could not sort out. Therefore, PHE was requested to come forward with an engineering solution in making this STP operational.
8.	Miscellaneous	- Since MED does not have any separate E & M division, CEO KMDA who is also CEO MED as well was requested to look into the matter and depute some Engineers from its E & M division to EMD on deputation basis. CEO KMDA to give an Interim Report by 31st May regarding this matter. - It was suggested by Ld Principal Secretary UD & MA Department that Joint Secretary UD & MA, PD SPMG and Environment Department to have a dashboard where Real time data would be reflected in respect of drains, STPs and water stretch. IT Department of UD & MA has requested to design and execute accordingly.


 (Khalil Ahmed)
 Principal Secretary,
 UD & MA Department

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	98.84	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-H

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; Dumper: 1; Movable Compactor: 3
5. Status of tender for fresh waste processing and 10 Years O&M: Technical bid under evaluation after 2nd call.
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: Technical bid under evaluation after 2nd call.

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: 600
5. SWM Vehicles provided for ensuring scientific transportation of waste: Fuel operated Tipper:5; Battery Operated Tipper:20; Tri-Cycle Van: 55, 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:10; Dumper: 1; Movable Compactor: 2
5. Status of tender for fresh waste processing and 10 Years O&M: 2nd call of tender under evaluation.
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; Battery Operated Tipper:6; Dumper: 1; Movable Compactor: 1
5. Status of tender for fresh waste processing and 10 Years O&M: 2nd call of tender under evaluation.
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; Dumper: 1; Movable Compactor: 1.
5. Status of tender for fresh waste processing and 10 Years O&M: Technical bid under evaluation after 2nd call
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. SWM Vehicles provided for ensuring scientific transportation of waste: Tri Cycle Van: 64; Fuel operated Tipper: 43; Dumper: 1; Movable Compactor: 2
5. Status of tender for fresh waste processing and 10 Years O&M: Inter Departmental Transfer of land under Process.
6. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Tender floated for 2nd call.

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: 58; Fuel operated Tipper: 24; Dumper: 1; Movable Compactor: 2

5. Status of tender for fresh waste processing and 10 Years O&M: Inter Departmental Transfer of land under Process.
6. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Tender floated for 2nd call.

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: Batteryoperated Tipper: 6; 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; Dumper: 1; Movable Compactor: 2
5. Status of tender for fresh waste processing and 10 Years O&M: Technical bid under evaluation after 2nd call
6. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Agency engaged, work started
7. Fund released for SWM: 70.18 Lakh

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. SWM Vehicles provided for ensuring scientific transportation of waste: Tri Cycle Van: 64; Fuel operated Tipper: 43; Dumper: 1; Movable Compactor: 2
5. Status of tender for fresh waste processing and 10 Years O&M: Inter Departmental Transfer of land under Process.
6. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Tender floated for 2nd call

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: Technical bid under evaluation after 2nd call
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. SWM Vehicles provided for ensuring scientific transportation of waste: Battery operated Tipper: 7; Dumper: 1; Movable Compactor: 1.
5. Status of tender for fresh waste processing and 10 Years O&M: 3rd call of tender floated
6. 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 ThakurerKamat 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: Dumper: 1; Movable Compactor: 2
5. Status of tender for fresh waste processing and 10 Years O&M: Technical bid under evaluation after 2nd call
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: 6; Dumper: 1; Movable Compactor: 1

5. Status of tender for fresh waste processing and 10 Years O&M: Technical bid under evaluation after 2nd call
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: 6; 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: 18410
4. SWM Vehicles provided for ensuring scientific transportation of waste: 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:10; Dumper: 1; Movable Compactor: 2
5. Status of tender for fresh waste processing and 10 Years O&M: 2nd call of tender under evaluation.
6. Status of Tender for Legacy Waste Removal from old dumpsite through bio-mining: Agency engaged, work started.

Annexure-I

Status of Implementation of Revised Action Plan of Agriculture Department of West Bengal For Restoration of Identified Polluted River Stretches For Ensuring Compliance to Hon'ble NGT Orders (as on 30.04.2021) .

Name of River—Churni (as per 3-year revised action plan)

Sl.	KEY COMPONENTS OF PROPOSED ACTION PLANS FOR RESTORATION OF IDENTIFIED POLLUTED RIVER STRETCHES IN WEST BENGAL	Proposed Achievable Target (Rs.in Lakh)	Proposed Time Targets for compliance	Present Status and/or pendency in terms of %	Incremental progress of works for the month of April'21.
1	Adoption of Good Agricultural Practices	64.402	2019 -20 to 2021-22	42.34 %(Achieved)	0.0%
2	Adoption of Crop Diversification	121.14	Do	69.60 %(Achieved)	0.0%
3	Adoption of Good Irrigation Practices	10.80	Do	70.0%(Achieved)	2.0%
4	Adoption of Soil & Water Conservation Measures	0.0	NA	NA	NA
	Total	196.342		60.69 %	0.12 %

Name of River—Ganga (as per 3-year revised action plan)

Sl.	KEY COMPONENTS OF PROPOSED ACTION PLANS FOR RESTORATION OF IDENTIFIED POLLUTED RIVER STRETCHES IN WEST BENGAL	Proposed Achievable Target (Rs.in Lakh)	Proposed Time Targets for compliance	Present Status and/or pendency in terms of %	Incremental progress of works for the month of April'21 .
1	Adoption of Good Agricultural Practices	150.165	2019 -20 to 2021-22	57.38 %(Achieved)	4.70%
2	Adoption of Crop Diversification	34.072	Do	66.05 %(Achieved)	0.0%
3	Adoption of Good Irrigation Practices	38.57	Do	37.00%(Achieved)	0.0%
4	Adoption of Soil & Water Conservation Measures	0.0	NA	NA	NA
	Total	222.807		55.18 %	3.17 %

SD/-

A.Biswas

Addl .Director of Agriculture (Special), WB