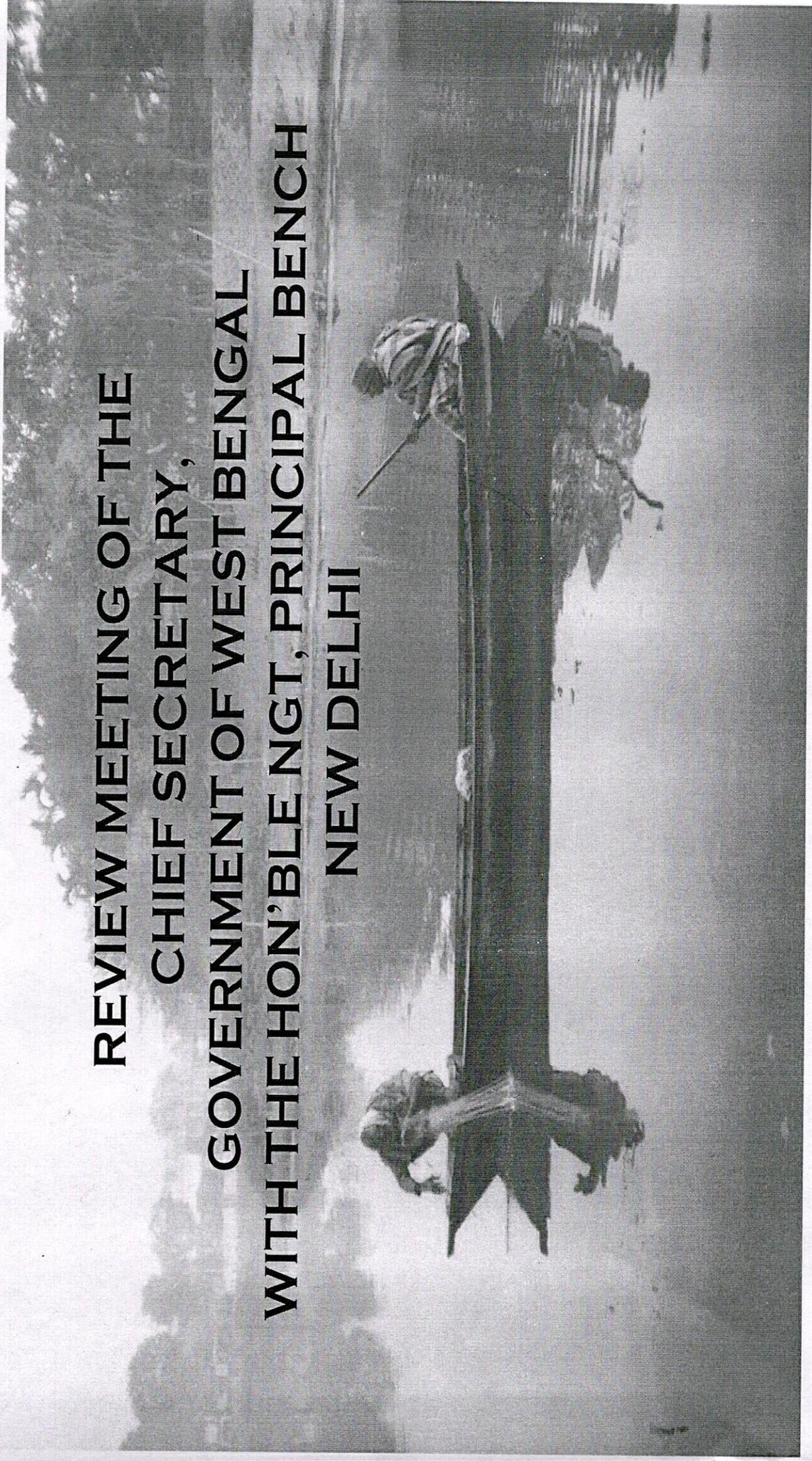


**REVIEW MEETING OF THE
CHIEF SECRETARY,
GOVERNMENT OF WEST BENGAL
WITH THE HON'BLE NGT, PRINCIPAL BENCH
NEW DELHI**



AGENDA POINT

1 • Liquid Waste Management

2 • Solid Waste Management

In compliance with the Oder of Hon'ble NGT under

➤ OA No. 673

➤ OA No. 606

Urban Liquid Waste Management

Estimated Sewage Generation (MLD)	: 2758 MLD (Urban area)
Existing no. of operational STPs (Capacity)	: 44 (1505.85 MLD)
STPs under construction	: 11 (182.45 MLD)
STPs under renovation	: 8 (266.3 MLD)
STP under proposal/tender stage	: 25 (462.59 MLD)
Capacity utilization of Existing STP	: 1268 MLD (84.25%)

- To bridge the gap, proposal for setting up of different STPs is in progress and will be sent to NMCG for their consideration under Namami Ganga-II project & AMRUT Schemes along with State Fund.
- GoWB has formulated an Integrated Faecal Sludge & Septage Management policy and has notified (Notification No. 33-UDMA/24011(99)66/2021) it on 25-05-2022 for the urban areas to provide safe sanitation.

Key Points of the FSSM policy is given below:-

- ❖ In towns, where facility of STP will be available, the septage of the town will be co-treated in the STP.
- ❖ In other towns, facility for treatment of Faecal Sludge and Septage (FS &S) will be developed in a phased manner .
- ❖ In some towns, if necessary, cluster mode approach will be taken up for construction of FSTP after assessing the proximity of ULBs, operational cost, transportation cost and overall management.

BEST PRACTICES

Faecal Sludge Treatment Plant (FSTP)

- ❑ 2 FSTPs are functional at Promodnagar, North Dum Dum capacity 30 KLD each
- ❑ Newly Sanctioned 2 FSTPs at Burdwan Town capacity of 25 KLD each. AA & ES issued on 20-06-2022 amounting Rs. 6.46 Cr (INR) – under Tendering stage
- ❑ 2 Pilot projects at Khargpur and Siliguri are also going to be implemented for which planning and designing by IIT Khargpur is completed.
- ❑ 1 FSTP at Baidyabati of capacity of 120 KLD to cater nearby 6 Municipalities is under repairing stage.
- ❑ Faecal Sludge is now being co-treated in the existing STP at Barrackpore and Gayeshpur Municipalities
- ❑ State has tendered 80 Cesspool for 80 ULBs out of which 45 has been procured and given. The procurement of rest cesspool are in process. Total cost Rs. 4.49 Cr. Solely out of State Fund.

East Kolkata Wetland (EKW)

- ❑ The East Kolkata Wetland (EKW) is treating the Kolkata city's waste water and utilizing the treated water for pisciculture and agriculture. Total area of EKW is about 12500 hectares which has been designed as conservation zone and treating around 910 MLD sewage.

BEST PRACTICES

In situ treatment of Rivers

West Bengal is the 1st State for adopting Karola River as Model River for in-situ-treatment process which has been successfully completed and disinfection process is going on. This Model has been appreciated and presented by the NMCG for all other states in Central Monitoring Meeting (CMC). Similar in-situ treatment for pollution abatement of other 8 rivers has been replicated for a total State Outlay of Rs 615.69 lakh for treating **85.91 MLD**.

Sludge management in STPS

RFP for preparation of DPR for Sludge Management in STPS has been prepared and processed for uploading. We are in close touch with world Bank and NMCG for obtaining technological assistance. As a pilot project, Sludge management of STPs in Mirik has started functioning and it will be commercialized soon.

BEST PRACTICES

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

Use of treated Sewage Water at Budge Budge -

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

Use of treated Sewage Water at Mahestala-

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

Use of treated Sewage Water at DVC (Durgapur) -

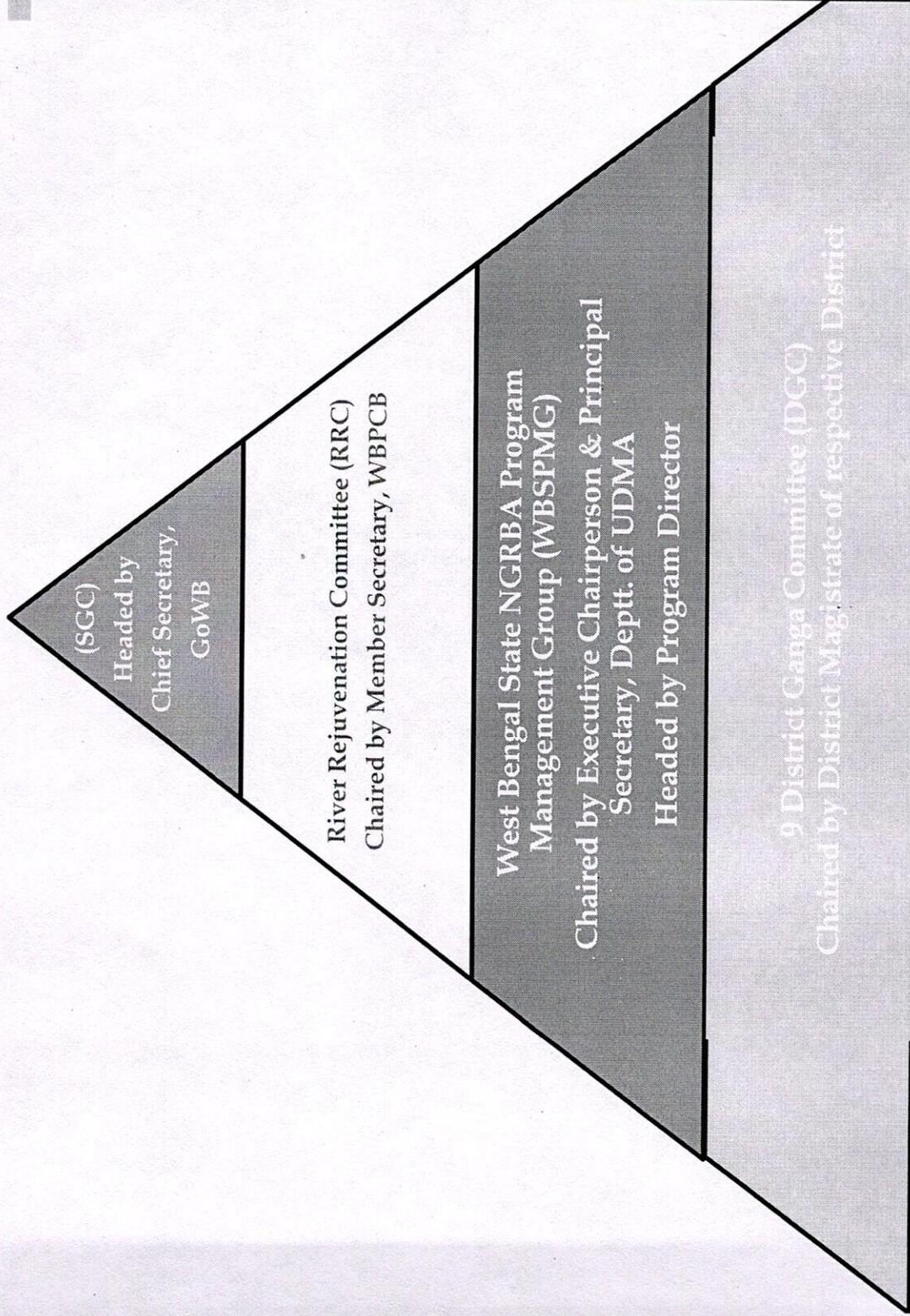
- Treated effluent is planned to be re-used in DVC after completion and commissioning of upcoming Asansol and Durgapur STP project.

INCREMENTAL PROGRESS OF OPERATIONAL STPS

	In December 2020	In June 2022	Upto August 2022
No. of STPs	25	44	44+1=45 **
Sewage Treated (In MLD):	1275.35 MLD	1505.85 MLD	1505.85+18= 1523.85 MLD

****One STP at Kanchrapara of 18 MLD ha started its trial run on August 2022.**

Monitoring Mechanism of LWM Project



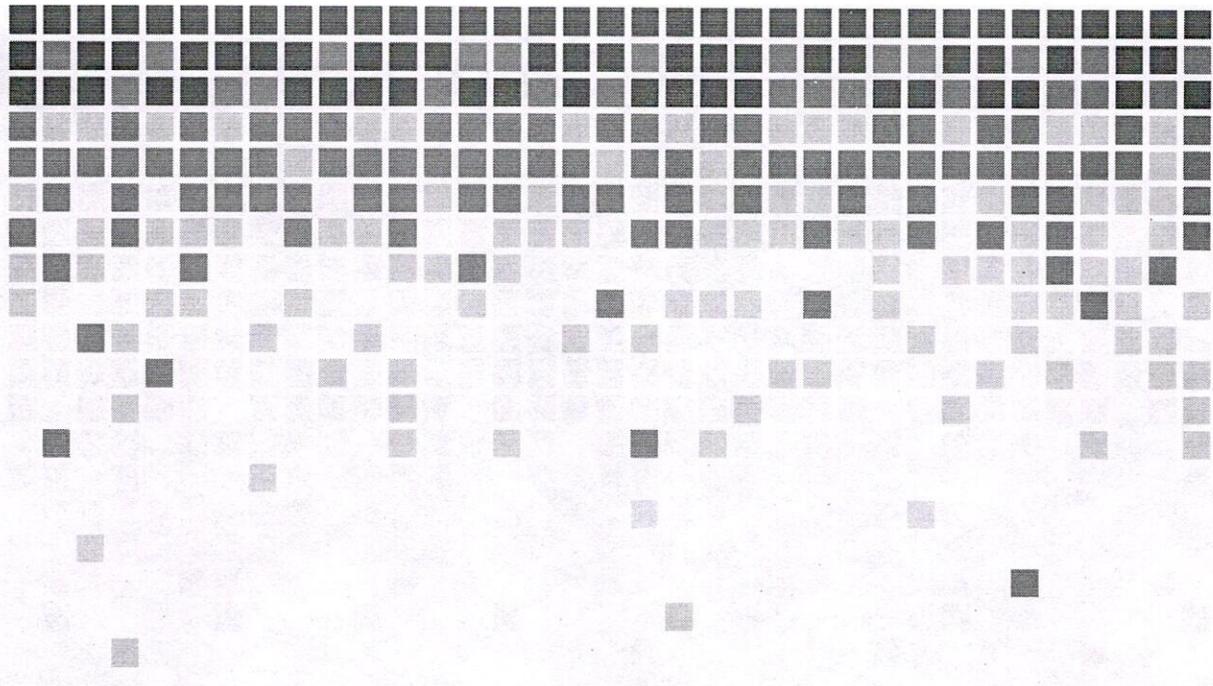
❑ Regular Review Meetings are being conducted by all bodies for updating LWM projects constantly

❑ Elaborate IEC activities have been taken up by 9 DGCs for ensuring River-people connect to promote integrated river basin management

❑ IEC Activities -

- ❖ Sensitization workshop / Seminar / Street Drama
- ❖ Local handicraft exhibition cum market in Ganga Ghats
- ❖ Public Outreach events (Rallies / Cultural Programmes / Various performances / Debates/ Sports etc.)

**SOLID WASTE
MANAGEMENT IN
URBAN AREAS
IN
WEST BENGAL**



Fresh Waste Management

Total number of Urban Local Bodies	125 (2927 Wards)
Current Municipal Solid Waste Generation	13469.19 TPD
Segregation of waste at source	5994.98 TPD (44.51%) 1844 Wards (62.99%)
Collection & Transportation of Waste	13372.32 TPD (99.28%) 2922 wards (99.83%)

Legacy Waste Management

No. of Legacy waste dump sites.

123

No. of sites covered through Biomining

90 dumpsites of 78
ULBs

Total area of dumpsites

838.09 acre

Land reclaimed till date

132.34 acre (15.79%)

Up to 50% land will be recovered within March, 2023.

Rest 50% of the land is expected to be reclaimed within June, 2024.

Comparative Status

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

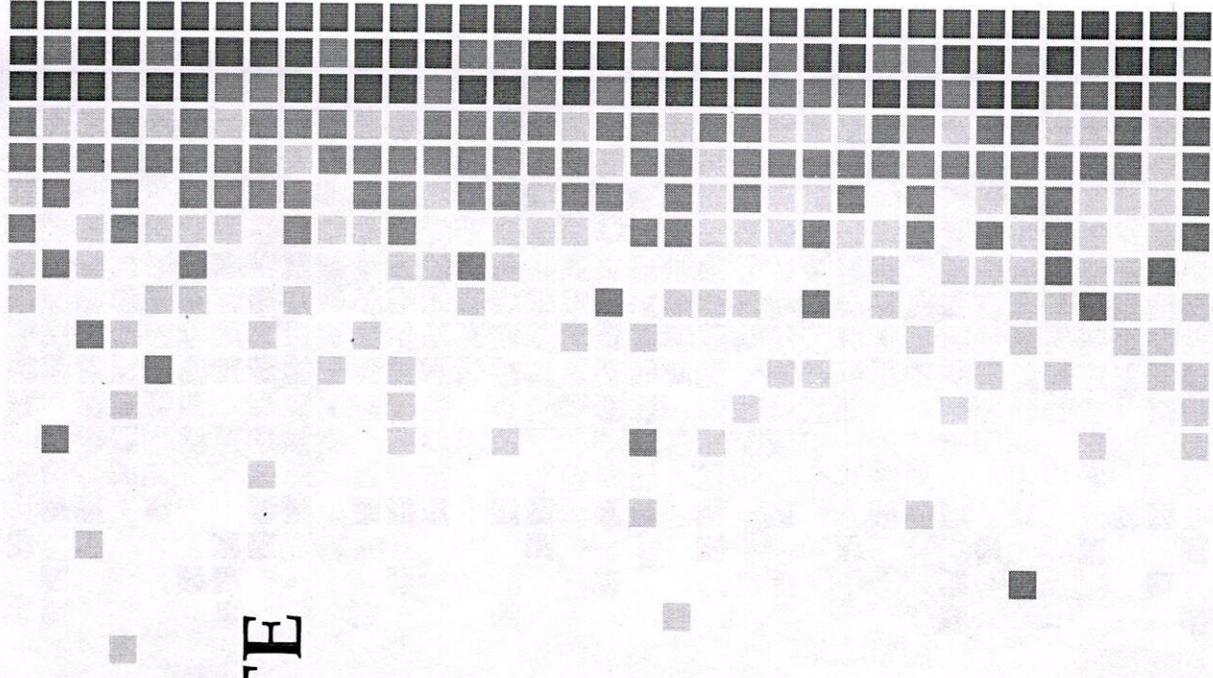
Actions Taken by ULBs for Ensuring Segregation of Waste and Good Practices

- ❖ Special Drive launched by each ULB for covering all wards in phased manner
- ❖ District wise orientation programme organized for all the stakeholders.
- ❖ ULBs prepared Grounding Action Plan for each ward covering following points and also implemented the same:
 - ✓ House to House Survey for preparing Route Map
 - ✓ Extensive IEC Activities including sticking Kitchen Sticker (types of bio degradable and non bio degradable waste) in each Kitchen and distribution of Bins
 - ✓ Identified Strategic Location for Hoarding, Banner & Poster display and also for placement of Community Bins
 - ✓ Extensive Capacity Building Activities for all stakeholders i.e. from Elected Representatives & ULB staff to citizen of each area.
 - ✓ Ward wise requirement of Manpower and Primary/Secondary Vehicles
 - ✓ Planning for phasewise placement of vehicles in each ward and also engagement of Nirmal Bandhu (Conservancy Worker) [total 52837 person] and Nirmal Sathi (Motivators engaged from SHGs) [total 3140 person], wages of which are being paid out of West Bengal Urban Employment Generation Scheme.
 - ✓ Fabrication of existing vehicles for segregated collection

Actions Taken by ULBs for Ensuring Fresh Waste Processing

- ❖ Fresh waste is being processed at 4 ULBs
- ❖ Agencies have been engaged for processing of waste in 74 ULBs where generation of waste is above 30 TPD and in 47 ULBs generating below 30 TPD is being processed through Self Help Groups.
- ❖ Meanwhile low cost Interim Composite Processing units have been setup by 45 ULBs till date and another 10 ULBs are going to execute the same.
- ❖ These interim CPUs are solely being managed by the members of Self Help Groups.

**LIQUID AND SOLID WASTE
MANAGEMENT
OF
RURAL AREAS
IN
WEST BENGAL**



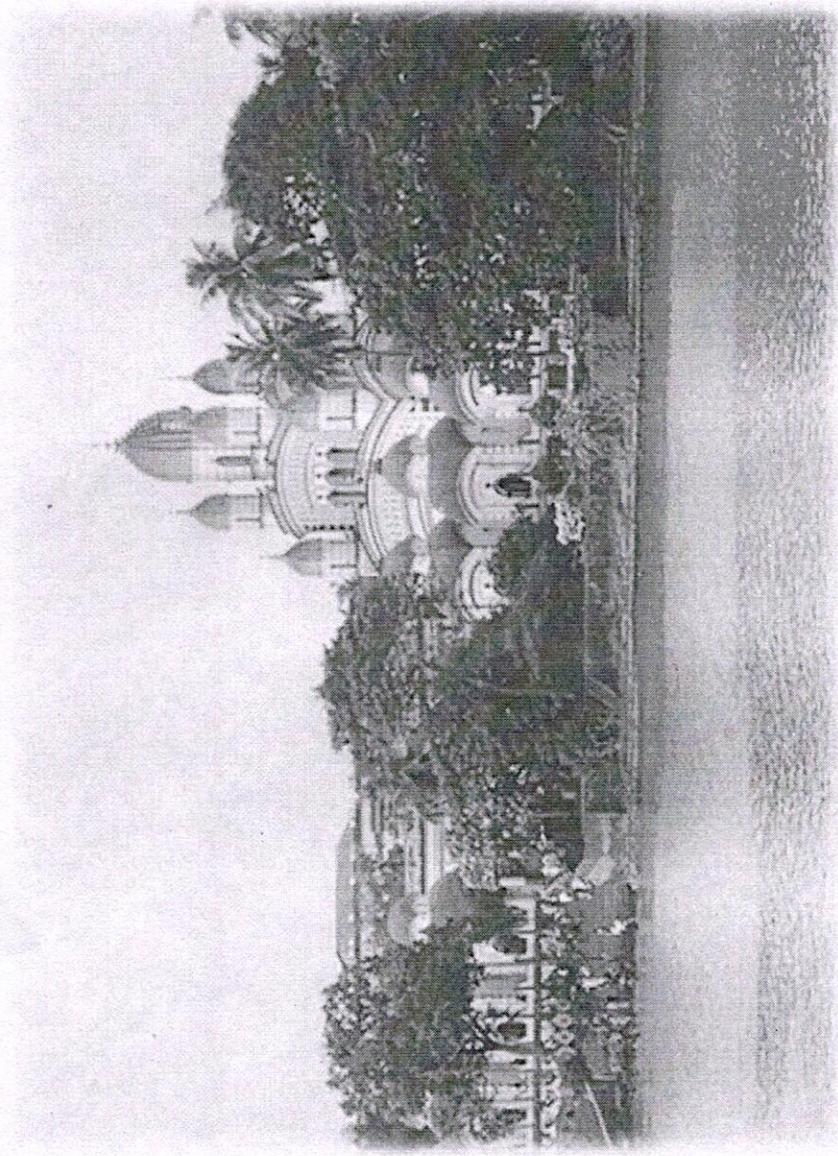
Liquid and Solid Waste Management in Rural areas

Liquid waste management

- Total sewage generation in Rural areas = 1400 MLD
- DPR prepared for one FSTP (3 KLD) for Pratapadityanagar, South 24 Parganas and DPR for another FSTP at Amta, Howrah is under preparation.
- Above works are being done in collaboration with CDD Society, a partner organisation of UNICEF.
- 6 proposals for faecal sludge management have been sent to Ministry of Jal Shakti, Govt. of India on 02.08.2022.
- 13 FSTP will be set up in the State in FY 2022-23.

Solid waste management

- At present 130 Solid Waste Management units are running in the State.
- Wastes are segregated at source into biodegradable, non-biodegradable and domestic hazardous waste and stored into waste bins.
- Waste is transported by hand cart, pedal rickshaw or e-rickshaw.
- 70 Ton of wastes are processed per week at Gram Panchayat level.
- 14 model GPs have been developed in different districts and will be replicated by other GPs.
- 3 biogas plants have already setup in the State.



Thank You



Government of West Bengal
Department of Environment
Prani Sampad Bhawan, 5th Floor, LB-2, Sec-III, Saltlake City, Kolkata-106

No. 1703/EN-3C-19/2019
From
Shri Vivek Kumar, IAS
Additional Chief Secretary
Dept of Environment

Dated, Kolkata 5th August, 2022

To
The Member Secretary,
Central Pollution Control Board,
Paribesh Bhawan,
East Arjun Nagar,
New Delhi 110 032.

Sub: Submission of compliance in the matter of O.A. NO. 606/2018.

Ref: Letter no: F. No. B-11011/UPC-II/MSW/2020-21 dated 03.11.2021

Sir,

Enclosed please find copy of the latest Quarterly Reports (upto 30st June, 2022 quarter) of the Government of West Bengal in compliance with the order dated 17th January, 2020 and 14th December, 2020 of the Hon'ble National Green Tribunal passed in connection with O.A. NO. 606/2018 for onward submission before the Tribunal.

This is for your necessary information and action please.

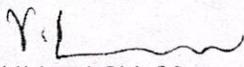
Yours sincerely,


Additional Chief Secretary,
Department of Environment
Government of West Bengal
of-

No. 1703/EN-3C-19/2019

Dated, Kolkata 5th August, 2022

Copy forwarded for information and necessary action :-
Mr Nazimuddin, Additional Director and DH-UPC-II, Central Pollution Control Board.


Additional Chief Secretary,
Department of Environment
Government of West Bengal
ofc

S.N.	Questions	Remarks			
1	Numbers of ULBs		125		
2	Over all waste management status in States/UTs				
a	Quantity of MSW generated (TPD)		13709		
b	Quantity of MSW collected (TPD)		13687		
c	Quantity of MSW segregated & transported (TPD)		5916		
d	Quantity of MSW processed (TPD)		3047		
e	Quantity of MSW disposed in secured land fill site (TPD)		1187		
f	Gap in Solid Waste Management UTs (TPD) [2(a)- 2(d)- 2(e)]		9475		
g	Solid Waste Management Plan	State Policy and Strategy Notified and DPR of 125 ULBs prepared.			
3	Waste Collection	Existing	Target	Gap	Timeframe
a	ULBs in which waste door-to-door collection is implemented(No.)	125	125	0	
b	ULBs in which segregation of waste is implemented (No.)	88	125	37	September, 2022
c	ULBs in which transportation of segregated waste is implemented (No.)	88	125	37	September, 2022
4	Waste Processing				
a	Material Recovery facilities				
(i)	Total Capacity (TPD)	478	1645	1167	
(ii)	Number	132	466	334	December, 2022
(iii)	Number of ULBs covered	67	125	58	December, 2022
b	Recycling				
(i)	Total Capacity (TPD)	426	1645	1219	
(ii)	Number	134	466	332	December, 2022
(iii)	Number of ULBs covered	62	125	63	December, 2022
c	Composting				
(i)	Total Capacity (TPD)	3023.8	6855	3831.2	December, 2022
(ii)	Number	62	125	63	In the event of Installation of machineries already matured tenders a total of 6603 TPD MSW will be processed which is 48% of total MSW
(iii)	Number of ULBs covered	67	125	58	December, 2022
d	Biomethanation				
(i)	Total Capacity (TPD)	17	500	483	*No. of units to be developed as per requirement and as per recommendation of State Level Task Force.
(ii)	Number	2			
(iii)	Number of ULBs covered	2			
e	RDF				
(i)	Total Capacity (TPD)	NIL	To be developed if needed.		
(ii)	Number	NIL			
(iii)	Number of ULBs covered	NIL			
f	Waste to Energy Plants				
(i)	Total Capacity (TPD)	6.2	To be developed if needed.		
(ii)	Number	1			

[Signature]
19/8/2022

	(iii)	Number of ULBs covered	1			
4		Waste Disposal				
a		Landfill				
	(i)	Total Capacity (T)	1162	2742	1580	December, 2022
	(ii)	Number	6	26	20	
	(iii)	Number of ULBs covered	12	125	113	
5		Legacy Waste Waste management				
a		Number of dumpsites (No.)	107			
b		Quantity of Waste dumped at dumpsites (Tons)	1.20 crore			
c		Number of dumpsites cleared (No.	5			
d		Number of dumpsites in which biomining has commenced (No.)	89			
e		Time frame for clearing all dumpsites	December, 2022			
6		Other Information				
a		Information regarding development of model towns/cities/villages	Action plan prepared. Based on that, waste processing facilities are in the process of development for making these Model Cities SWM compliant within December, 2022. Intensive IEC activities undertaken.			
b		Creation of Environmental cell	Yes			
c		Standardization of rates for procurement of services/equipment (to do away with the tendering process) required for solid waste management	Procured through GeM			

Improvements Since Last Hearing				
	Item	Present Status	Status at the time of last hearing	Whether directed timelines have been adhered or not ?
1	Door-to-door collection (%)	99.84	99.58	Yes. But due to outbreak of second wave of Covid 19 and heavy rain Progress hampered to some extent.
2	Source segregation of waste (%)	43.22	42.04	
3	Waste Processing (TPD)	3047	3032	
4	Dumpsites capped (No.)	1	1	
5	Dumpsites Bio-remediated (No.)	5	5	

[Signature]
19/5/2022