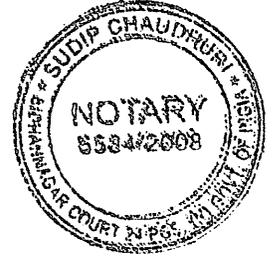


**BEFORE THE NATIONAL GREEN TRIBUNAL  
EASTERN ZONE BENCH, KOLKATA  
ORIGINAL APPLICATION NO. 10/2016/EZ**

**IN THE MATTER OF:**

**JOYDEEP MUKHERJEE**

.....**APPLICANT**



**VERSUS**

**UNION OF INDIA & ORS.**

.....**RESPONDENTS**

**STATUS REPORT IN THE FORM OF AFFIDAVIT BY THE CHIEF  
SECRETARY, GOVERNMENT OF WEST BENGAL IN COMPLIANCE OF  
THE ORDER DATED 09.05.2022.**

**INDEX**

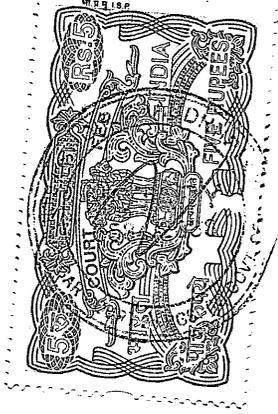
SL No	DOCUMENTS	ANNEXURE	PAGE
1.	Affidavit of Chief Secretary, Govt. of West Bengal		1-15
2.	Consolidated Report of UD & MA Deptt.	R/1	16-60
3.	A photocopy of a letter dated 09.09.2022 from Mission Director, SBM(G)	R/2	61
4.	Copy of report of District Magistrate, Darjeeling	R/3	62-65
5.	Copy of the report of West Bengal Pollution Control Board	R/4	66-67

**Filed by:**

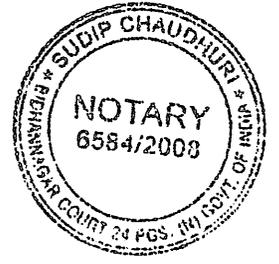
( Madhumita Bhattacharya)

Advocate

Supreme Court of India



BEFORE THE NATIONAL GREEN TRIBUNAL  
EASTERN ZONE BENCH, KOLKATA  
ORIGINAL APPLICATION NO. 10/2016/EZ



**IN THE MATTER OF:**

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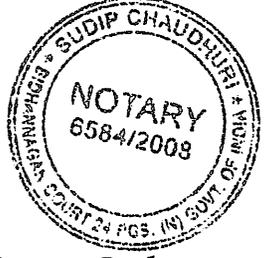
**STATUS REPORT IN THE FORM OF AFFIDAVIT BY THE CHIEF  
SECRETARY, GOVERNMENT OF WEST BENGAL**

Most Respectfully Sheweth

I, Hari Krishna Dwivedi, Son of Rajendra Prasad Dwivedi aged about 58 years, by occupation service, having office at Nabanna, 325, Sarat Chatterjee Road, Howrah, , do hereby solemnly declare and say as follows:-

1. That, I am holding the post of Chief Secretary, Government of West Bengal and I have made myself acquainted with the facts and circumstances of the instant Original Application. I have gone through the documents and reports pertaining to the subject matter of the instant Original Application. Hence I am competent to file the present affidavit before this Hon'ble Tribunal.

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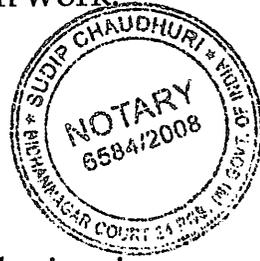


2. That, this affidavit is being affirmed in pursuance to the solemn Order passed by the Hon'ble Tribunal dated 09.05.2022, where the deponent was directed to file action taken report with compliance status as on 31.08.2022.
3. It is most respectfully submitted before this Hon'ble Tribunal that the Deponent has regularly chaired review meetings with all the stakeholders viz. Urban Development & Municipal Affairs Department, Panchayat & Rural Development Department, Irrigation & Water ways Department, State Urban Development Agency, Kolkata Metropolitan Development Authority, Siliguri- Jalpaiguri Development Authority, District Magistrate, Darjeeling and West Bengal Pollution Control Board to assess the progress achieved regarding pollution of the river Mahananda.
4. That in compliance with the directions of this Tribunal vide Order dated 09.05.2022, the Deponent would like to submit before this Tribunal, the various actions taken regarding pollution abatement in Mahananda River with compliance status as on 31.8.2022 are as follows:-

**A. STATUS OF ENCROACHMENT REMOVAL BY SILIGURI MUNICIPAL CORPORATION (SMC) ALONG WITH DISTRICT ADMINISTRATION OF DARJEELING :**

27 SEP 2022

Siliguri Municipal Corporation (SMC) has removed 88 encroachments identified in the stretch covering the 3<sup>rd</sup> phase of river bank protection work.



## **B. STATUS OF LIQUID WASTE MANAGEMENT (LWM) :**

Kolkata Metropolitan Development Authority (KMDA), Siliguri Jalpaiguri Development Authority (SJDA), Municipal Engineering Directorate (MED) and Siliguri Municipal Corporation have taken up the following steps as on 31.08.2022.

### **I. Work on major and minor drains discharging into river Mahananda:**

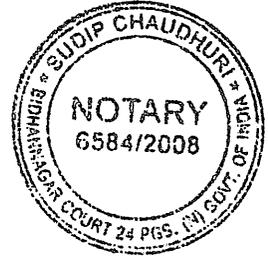
#### **a) Grating status on drains**

As per the survey of drains, conducted by Municipal Engineering Directorate (MED), on the left bank there are 30 major drains and 48 minor drains and on the right bank there are 7 major drains and 33 minor drains are discharging into the river Mahananda. The Siliguri Municipal Corporation has grated all these drains.

#### **b) Cleaning and disposal of the Waste recovered from these drains :-**

Solid waste cleaning from the mouth of these drains is being done regularly in a time bound manner. For cleaning and disposal of the waste recovered from the drains, Siliguri Municipal Corporation, has formed borough-wise 15(Fifteen) Task Force Teams. They are functioning borough-wise round the clock, with 1 (one) Toto vehicle per team.

27 SEP 2022



## II) Status of setting up of Sewage Treatment Plants:

To prevent discharge of untreated sewage into the river Mahananda, the process for setting up of three Sewage Treatment Plants (STPs) is going on as follows:

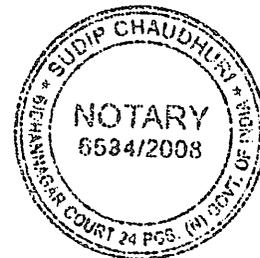
- i) STP-I : a 48 MLD Sewage Treatment Plant in 3.7109 acres land near Naukaghat More at JL No. 02, Mouza: Dabgram. At present financial evaluation of the Tender is under process. It will be commissioned by June, 2025.
- ii) STP-II: a 24 MLD STP near Noukaghat More, Siliguri. The Financial bid of the 2<sup>nd</sup> call tender is opened and acceptance of this financial bid is under process. It will be commissioned by March, 2025.
- iii) STP-III: a 32 MLD STP near RAF 2<sup>nd</sup> Battalion Police Camp near Camp Road, Siliguri. Acceptance of the financial bid is under process. It will be commissioned by March, 2024.

## III) In-situ Treatment in the Drains:

As a short term measure to reduce the pollution load in the outfalls, in-situ bio-remediation work on Pilot basis treatment in two major drains has been proposed at two places in consultation with Dr. Sumon Konar, Associate Prof. Jalpaiguri Engineering College. The proposed locations for in-situ treatment are at (i) Naukaghat (Option-I) with cascading

27 SEP 2022

and (ii) near Surya Sen Park (Option-II) with wheel paddle aerator. Construction work is going on and is expected to be completed by December 2022.



#### **IV) STATUS OF FAECAL SLUDGE TREATMENT PLANT (FSTP) AT SILIGURI:**

The Urban Development & Municipal Affairs Department has published the Faecal Sludge Treatment Policy of West Bengal. Accordingly it was decided to set up a Faecal Sludge Treatment plant at Siliguri and Kharagpur IIT was entrusted to prepare the DPR for 30 KLD FSTP at Siliguri on a pilot basis. Necessary land for the project is identified. Kharagpur IIT has prepared the DPR keeping in touch with Circle & Division offices concerned of MED. A proposal to accord NOC to engage Kharagpur IIT as Technical Partner for FSTP project is under active consideration of the Department of UD & MA. The DPR of FSTP will be submitted to accord AA & FS after finalization of above mentioned NOC in favor of Kharagpur IIT.

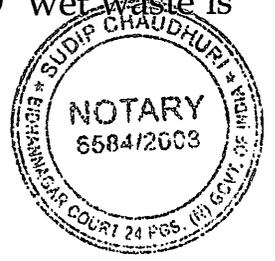
#### **C) STATUS OF SOLID WASTE MANAGEMENT:**

##### **i) Treatment of Fresh Waste**

- a) 122 MTD Segregated waste is collected from 24 Wards and 225 MTD non- Segregated waste is collected from the rest 23 Wards on

27 SEP 2022

a daily basis. Daily 20 MTD dry waste and 30 MTD wet waste is processed, by the Siliguri Municipal Corporation.

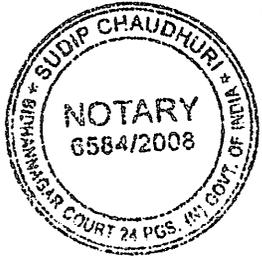


b) Setting up of a Central Processing Unit (CPU) Plan and Proposed Interim Short Term Fresh Waste Processing Plan for Siliguri: At present Siliguri Municipal Corporation has a 1 TPD Automatic Organic Waste Composter (OWC) machine which mainly processes the market waste. Beside this, the Interim Central Processing Unit has been augmented to cater approximately to 30 TPD of wet waste and 20 TPD of dry waste. On receiving a proposal from United Nation Development Programme (UNDP), Urban Development & Municipal Affairs Department sanctioned setting up of a dry waste processing unit of 5 TPD capacity. As per the proposal received from UNDP, infrastructure was sanctioned by the State at a total cost of Rs.99.88 lakhs and SMC had targeted to complete execution of the infrastructure within 31.12.2022. The operation of the Material Recovery Facility (MRF) was to be done by UNDP with all mechanical equipments to be supplied by them but presently they are not responding to operate the material recovery facility. The State Government is now looking for a suitable partner to set up the processing plant along with supply and installation of all machineries at the site after the infrastructural work get completed.

c) **City Micro Plan for Fresh waste :-**

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At present Siliguri Municipal Corporation is practicing collection and transportation of both dry and wet waste in a segregated manner from 24 wards and transporting it to the dumping ground on a daily basis. Collection of both dry and wet waste is being done from all the household, commercial centers and educational institutions and places of importance. In the remaining 23 wards, IEC and capacity building activities for different stakeholders have been initiated. Tender has been floated for procurement of primary and secondary vehicles for collection and transportation of segregated solid waste from these 23 wards. Initiative has been taken to engage manpower for collection and transportation (Nirmal Bandhu) supervision (Nirmal Sathi) of the works. The collection and transportation of segregated waste in these remaining 23 wards will be initiated within 31.12.2022.



As per requirement 286630 household bins (blue and green of 10 ltrs) and 1222 community bins (blue and green of 100 ltrs) have been supplied to SMC. The practice of door to door collection of waste is in place by SMC.

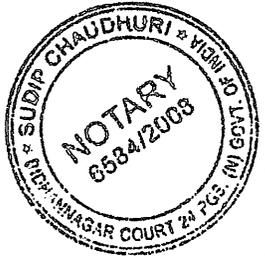
Further requirement of vehicles have been assessed by SMC for ensuring segregated collection and transportation of waste. Already 320 Tri Cycle Vans, 14 Battery-Operated Tippers and 23 Fuel-Operated Tippers have been delivered to SMC for primary and secondary collection/transportation.

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Micro Planning Organization, Sigma Foundation has been engaged by SUDA for awareness generation and providing handholding support for full cycle solid waste management as per SWM Rules, 2016.

d) **Fresh waste processing plan for Siliguri (LONG TERM)**

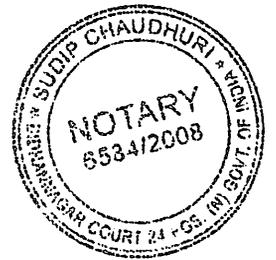
- A Detailed Project Report regarding solid waste management has been prepared by UD&MA Department/ SUDA and is approved by State Level Task Force for SWM.
- Eastern Organic Fertilizers Ltd has been engaged for processing of fresh waste (both Dry and Wet waste) with 10 years operation and maintenance. The agency has already started initial activities before commissioning of plant in Zone III, the area reclaimed from legacy waste.



Sl. No.	Activities	Action Taken	Timeline for completion
1.	Completion of civil infrastructural works for commissioning of processing plants (both dry and wet) including sanitary landfill site	Design, Drawing for fresh waste Processing Plant at Zone-III is in progress. Land development works and internal drainage, road network and leachate management system are being done.	31.12.2022
2.	Procurement and Installation of electro-	Supply order for 40 Ton capacity weigh bridge	31.03.2023

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	mechanical equipment necessary for the plants	has been placed and to be delivered within 30.09.2022. Trommel are being fabricated at site by the agency itself. (photographs are enclosed)	
3.	Date of commencement of processing of waste (both dry and wet)	-	01.04.2023



**e) Present status of Legacy Waste Management**

Refused Derived Fuel (RDF), Inert and Good Earth waste are being processed at the dumpsite located in Don Bosco Colony, Ward No. 42-Siliguri. The status is as follows:

- i. Quantity of legacy waste dumped : **3,79,382 MT**
- ii. Quantity of legacy waste processed : **1,43,000 MT**
- iii. Remaining legacy waste to be processed : **2,36,382 MT**
- iv. Final disposal of the processed waste (type wise) :
  - RDF - **7168 MT**
  - Inert - **37000 MT**
  - Good Earth - **81000 MT**

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Total- 125,168 MT

- v. Target date for completion of Bio-remediation - December, 2022
- vi. Target date for reclamation of land- March, 2023
- vii. Present status :



**Zone III** is completely reclaimed.

**Zone II** is being reclaimed & could be completed by March, 2023.

**Zone I** is being used by the SMC for their PWM after reclamation by the agency.

- viii. Mechanism for Real time monitoring: Site under CCTV surveillance.

Kolkata Metropolitan Development Authority (KMDA) executing the bio-mining activity. As on 31.08.2022, 5.72 Acres of land has been cleared and reclaimed. CCTV, Weigh Bridge have been installed and Nodal Engineer has been assigned to monitor the work on real time basis.

**E. Information Education Communication (IEC)Activities:-**

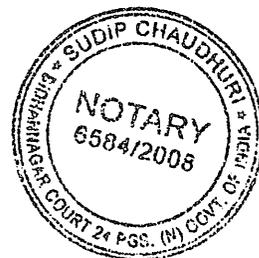
- i) Siliguri Municipal Corporation has done several IEC programmes to create awareness among citizens i.e installation of boards displaying awareness messages on the banks of river Mahananda.
- ii) Notices have been issued to all cattle shed owners and households against releasing faecal sludge directly into municipal drains.
- iii) Regular miking is being done to create awareness among people to avoid open defecation.

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**F) STATUS OF BEAUTIFICATION AND CLEANING OF CREMATORIUM BY SMC**

SMC is doing daily cleaning of the crematorium and its surrounding area and also has taken up a sustained Beautification Programme.

Copy of the Status Report of Urban Development & Municipal Affairs is enclosed herewith and marked as ANNEXURE- R1.



**G) SOLID AND LIQUID WASTE MANAGEMENT BY THE DEPARTMENT OF PANCHAYATS AND RURAL DEVELOPMENT**

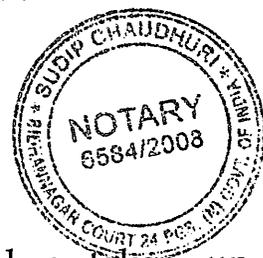
The Department of Panchayats and Rural Development has reported that programmes have been taken up at two blocks named Matigara and Phansidewa, consisting of total seven (7) Gram Panchayats (GPs) viz. Matigara - I, Matigara - II, Champasari, Phansidewa B.K, Chathat, Jalash Nijamtara, Bidhannagar - 1. Individual House Hold Latrines (IHHL) and Community Sanitary Complexes have been constructed at each Gram Panchayats. IEC activities regarding Single Use Plastic & Plastic items has been taken up.

The Department of Panchayats & Rural Development (P& RD) has also initiated Solid Waste and Liquid Waste Management Programme in 7 (Seven) Gram Panchayats on the banks of Mahananda. 01(One) Solid Waste Management Unit is under construction and the remaining 06(Six) will be set up within the year 2022-23.

A photocopy of a letter vide Memo no. 5612(2)-PRD- 24023(11)/3/2021-Sanitation dated 09.09.2022 from Mission Director, SBM(G) & Additional

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Secretary to the Govt. of W.B is annexed herewith and marked as  
**ANNEXURE - R/2.**



#### **H) STATUS OF BIODIVERSITY PROGRAMME**

Department of Forest , Government of West Bengal has taken up Biodiversity River Bank Protection (Plantation) at Teesta Barrage Acquired Land (Mahananda Division) over 100 Ha which includes 50 Ha of land from Porajhar to Fulbari in Jalpaiguri District and 50 Ha of land from Baropathuram to Northern boundary of Porajhar in Darjeeling District.

#### **I) STATUS OF BANK PROTECTION WORKS BY THE DEPARTMENT OF IRRIGATION & WATERWAYS**

Irrigation Department, Government of West Bengal has taken up Bank protection work of River Mahananda at both banks (5.5 km each) from Champasari Road Bridge to Naukaghat Road Bridge in four phases:-

- i) The 1<sup>st</sup> Phase work on both upstream and downstream of Hill Cart Road Bridge, for 1.280 km is completed in the F.Y of 2018-19 at the cost of Rs. 272.74 lakh.
- ii) The 2<sup>nd</sup> phase work for 1.400 km, for both upstream and downstream of Champasari Road Bridge is completed in the F.Y of 2019-20 at the cost of Rs. 348.26 lakh.
- iii) The 3<sup>rd</sup> Phase work for a cost of Rs. 763.83 Lakh protection of both bank of river Mahananda for 3.0 km at downstream of Champasari Road Bridge at Lakhmi Colony Area, SMC Area, Dist. Darjeeling has also been completed.

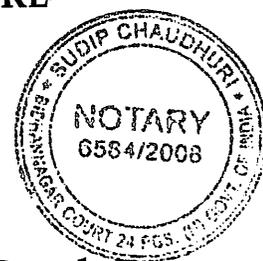
2.7 SEP 2022

iv) The Fourth Phase work of protection on both banks of river Mahananda for 5230 M in between Champasari Road Bridge and Noukaghat Bridge at Santoshinagar Ganganagar area in P.S Siliguri at Binoy krishna Pally Kolabusty area in P.S Matigara District Darjeeling and at Natunpara Pradipnagar area in P.S Bhaktinagar District Jalpaiguri is under progress. Till date overall physical progress achieved is around 33%. Target date of completion is 31-03-2023.

J) The District Magistrate, Darjeeling has submitted the status report vide letter no 34/ENV/NGT/2022 dated 22.08.2022 stating the schemes proposed for utilization of Rs 2 Crore deposited as environmental compensation.

Copy of the report is annexed herewith and marked as ANNEXURE-

R/3.



K) **Water Analysis Report of the West Bengal Pollution Control Board:**

The Water Analysis Report of the West Bengal Pollution Control Board shows improvement in the water quality.

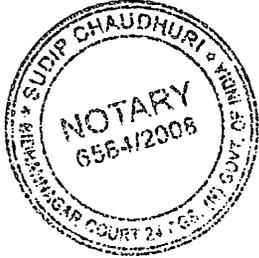
Copy of the reports of West Bengal Pollution Control Board is annexed herewith and marked as ANNEXURE - R/4.

6. That it is humbly submitted before this Hon'ble Tribunal that concerned Departments are taking all measures to stop solid waste dumping and discharging liquid waste into the river Mahananda. All our efforts are being made for cleaning the Mahananda and making it pollution free.

12.7 SEP 2022

That the reply is true to my knowledge and belief, which I derived from the office record.

*Hari Krishna Dwivedi*



DEPONENT  
DR. H. K. DWIVEDI, IAS  
Chief Secretary  
Govt. of West Bengal

SL. NO. 662 / 2022

VERIFICATION  
BEFORE THE NOTARY PUBLIC  
AT BIDHANNAGAR  
DIST.-NORTH 24 PARGANAS

I, Hari Krishna Dwivedi, Son of Rajendra Prasad Dwivedi, acting as Chief Secretary, West Bengal, do hereby verify that the contents of the report in the form of affidavit are true to my best of knowledge and belief. No part of the report is false and nothing has been concealed.

Verified at Kolkata on this 27 day of September, 2022



*Sudip Chaudhuri*  
S. CHAUDHURI  
\* NOTARY \*  
GOVT. OF INDIA  
Regd. No.-6584/08  
Bidhannagar Court  
Dist.-North 24 Pgs.

*Hari Krishna Dwivedi*

DEPONENT

DR. H. K. DWIVEDI, IAS  
Chief Secretary  
Govt. of West Bengal

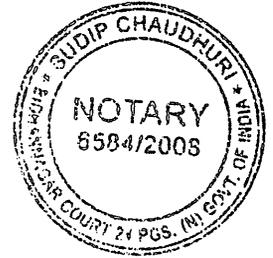
Identified by me  
*Manoj Basu*

Advocate

MANOJ BASU  
Advocate

Enrolment No.-F-247/2006  
Bidhan Nagar Court  
Kolkata-700091

27 SEP 2022



**Action Taken Report for curbing Pollution in Mahananda River as on 31-08-2022**

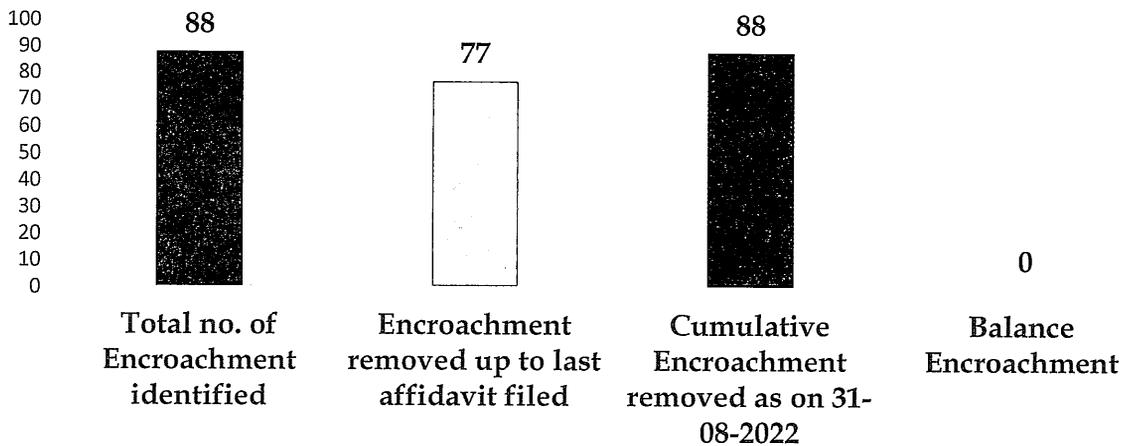
This is a Comprehensive Report prepared and compiled on the basis of the Reports submitted by different Executing Agencies towards Pollution Abatement of River Mahananda

In compliance with the directions of Hon'ble National Green Tribunal in its Order passed on 09-05-2022 under OA No. 10/2016/EZ (Joydeep Mukherjee -Vs- Union of India &Ors.)

**A. Status of Encroachment Removal by SMC along with District Administration of Darjeeling**

Total encroachment identified in the stretch covering phase 3 of river bank protection work	Encroachment removed up to last affidavit filed	Cumulative Encroachment removed as on 31-08-2022	Balance Encroachment
88	77	88	NIL

**Status of Encroachment Removal**

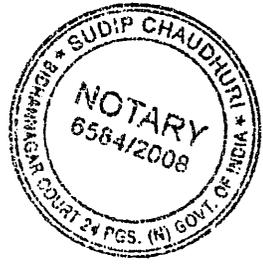


As on date, all the encroachments have been removed as per Report received from DM Darjeeling.

**B. Status of Liquid Waste Management (LWM):-**

**Executing Agencies:** Kolkata Metropolitan Development Authority (KMDA), Siliguri Jalpaiguri Development Authority (SJDA), Municipal Engineering Directorate (MED) and Siliguri Municipal Corporation.

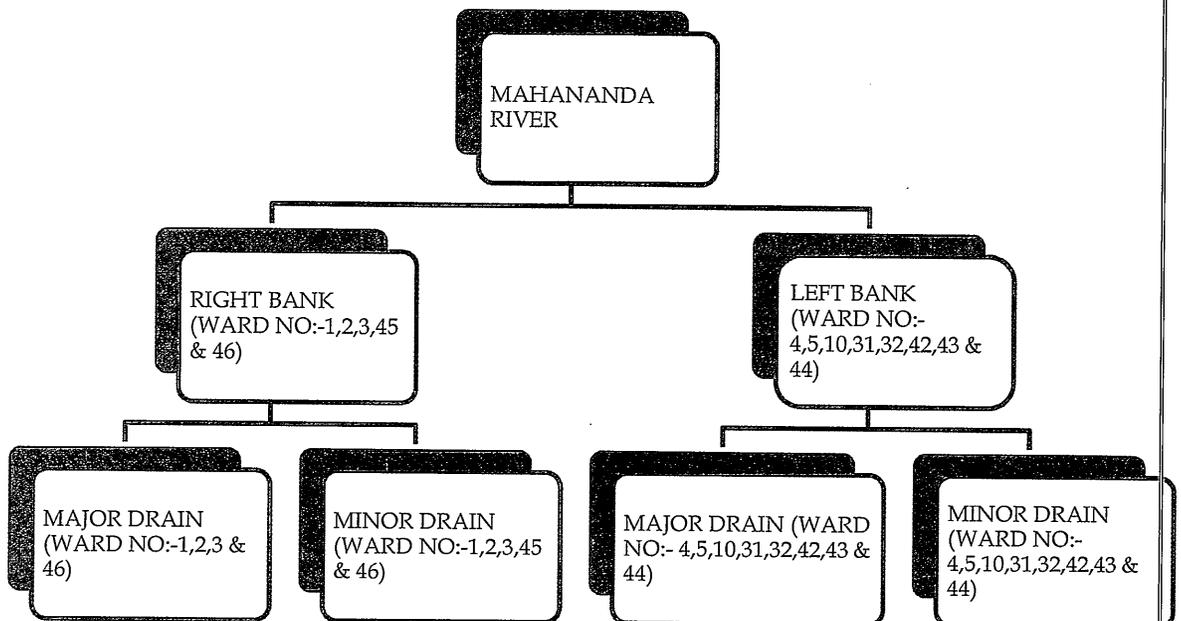
**I. Number of Major and Minor Drains discharging into River Mahananda and Status of the Grating done in the Drains**



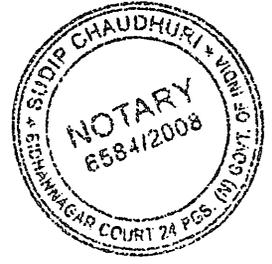
**Report on survey of the Drains conducted by MED**

Drains		Number
Left Bank	Major Drains	30 numbers
	Minor Drains	48 numbers
Right Bank	Major Drains	7 numbers
	Minor Drains	33 numbers

**Ward wise breakup of Drains**

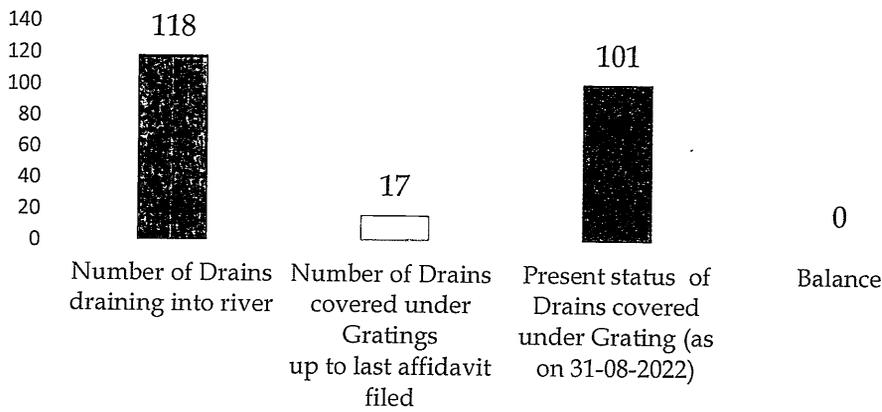


**II. Grating on drains done by Siliguri Municipal Corporation (SMC)**



Sl No	Number of Drains draining into river	Number of Drains covered under Gratings up to last affidavit filed	Present status of Drains covered under Grating (as on 31-08-2022)	Balance
1	37 major Drains 81 minor Drains	17 major Drains	37 major Drains 81 minor Drains	NIL

### Status of Grating on Drains



As on 31.08.2022, all the drains both major and minor have been grated. Cleaning of solid waste from the mouth of these drains are being done regularly and in a time bound manner.

### III. Manner of Drain cleaning and the manner of disposal of the Waste recovered from the Drains

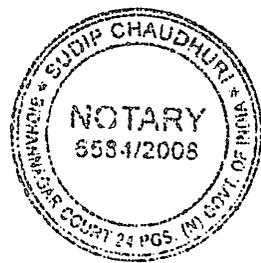
Siliguri Municipal Corporation has formed 15(Fifteen) Task Force Team, Borough -wise for regular cleaning of drains having their discharge in Mahananda.

The team is functioning borough wise round the clock with 1 (one) Tota vehicle per Team as below:-

Sl No.	Borough	Ward Number	Number of Teams
1	Borough - I	1,2,3,4,5,45,46 and 47	5
2	Borough - II	6,7,8,9,10,11,12,13,14 and 15	2
3	Borough - III	16,17,18,19,20,21,22,23,24 and 28	2
3	Borough - IV	25,26,27,29,30,31,32,33,34 and 35	2
4	Borough - V	36,37,38,39,40,41,42,43 and 44	4

### IV. Status of STPs

Sl No	Location	Modified Capacity	Present Status	Target date of completion
1	STP-I - Beside the existing STP-II nearby Naukaghat more. Mouza: Dabgram	48 MLD	Tender invited and financial evaluation is under process.	June 2025



	JL No.: 02 Khatain No.: 01 Plot No.: 53 Total Area:3.7109 Acres			
2	STP-II - Near Noukaghat More, Siliguri	24 MLD	The Financial Bid of the 2 <sup>nd</sup> call Tender opened. Acceptance of this Financial Bid is under process from the end of the State Mission Director, AMRUT, West Bengal	March 2025
3	STP-III - Near RAF 2 <sup>nd</sup> battalion police camp near camp road, Siliguri	32 MLD	The Financial Bid of the 3 <sup>rd</sup> Call Tender opened. Acceptance of this Financial Bid is under process from the end of the State Mission Director, AMRUT, West Bengal	March 2024

**Note:** KMDA has prayed for granting of revised time line for the completion of STPs as on 31.08.2022 because the Tender/Bid-evaluation process has not been completed. The tendering process took a long time due to in-sufficient number of bidders.

As a short term measure, to reduce the pollution in the outfalls, in-situ treatment in two major drains has been taken up as below and the work is under process.

#### V. In-situ Treatment in the Drains.

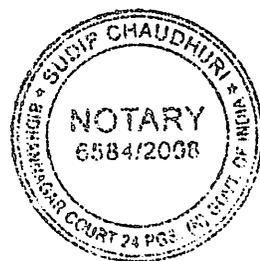
In consultation with Dr. SumonKonar, Associate Prof. JGEC, Two locations one at Naukaghat (Option-I) with Cascading and another near Surya Sen Park (Option-II) with Wheel Paddle Aerator have been proposed to carry out In-Situ Bioremediation work as a pilot case.

Work order has already been given. Construction work ongoing and will be completed by December 2022.

### C. Solid Waste Management

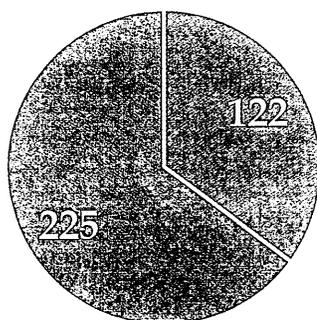
#### I. Fresh Waste

Ward No	Daily waste collected	Daily waste Processed	Manner of transportation to the dumpsite and frequency of the same	Type wise disposal of wastes, Manner with frequency	Mechanism for Real time monitoring	Remarks

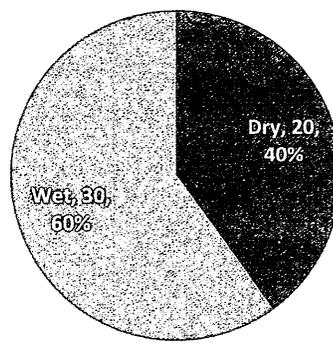


	Segregated	Non segregated	Dry	Wet	Bio Medical				
1-47	122 MTD	225 MTD	20 MTD	30 MTD	Not measured	Daily, As collected through covered vehicle like PTC and FOT	As collected. Daily	Physically work monitored by Conservancy Department	Segregated waste collection in 24 Wards

**DAILY WASTE COLLECTED (IN MTD)**



**DAILY WASTE PROCESSED (IN MTD)**

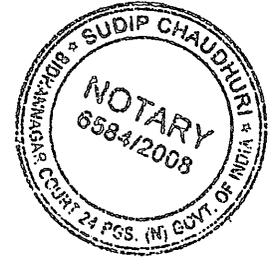


■ Dry ■ Wet

■ Segregated ■ Non segregated

**II. Central Processing Unit(CPU) Plan and Proposed Interim Short Term Fresh Waste Processing Plan for Siliguri**

- At present Siliguri Municipal Corporation has a 1 TPD Automatic Organic Waste Composter (OWC) machine which mainly processes a portion of the market waste. Beside this, the Interim Central Processing Unit has been augmented to cater approximately to 30 TPD of wet waste and 20 TPD of dry waste.
- On receiving a proposal from UNDP, UD&MA Department sanctioned for setting up of a dry waste processing unit of 5 TPD capacity. As per the proposal received from UNDP infrastructure was sanctioned by the State at a total cost of Rs.99.88 lakhs and Siliguri MC may complete execution of the infrastructure within 31.12.2022. The operation of the MRF was to be done by UNDP with all mechanical equipments to be supplied by them but presently they are not responding to operate the material recovery facility without any official intimation. State is now looking for a suitable partner to set up the processing plant alongwith supply and installation of all machineries at the site after the infrastructural work get completed.



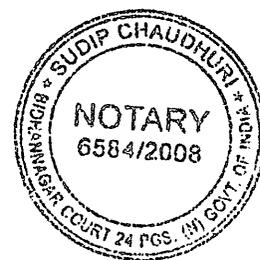
**City Micro Plan for Fresh waste**

- At present Siliguri Municipal Corporation is practicing collection and transportation of both dry and wet waste in segregated manner from 24 wards and transporting the same to the dumping ground on daily basis. Collection of both dry and wet waste is being practiced from all households, commercial centers and educational institutions and places of importance. In remaining 23 wards, IEC and capacity building activities for different stakeholders have been initiated. Tender has been floated for procurement of primary and secondary vehicles for collection and transportation of segregated solid waste from these remaining 23 wards. Initiative has been taken to engage manpower for collection, transportation (NirmalBandhu) and supervision (NirmalSathi) of the works for these remaining 23 wards. The collection and transportation of segregated waste in these remaining 23 wards will be initiated within 31.12.2022.
- As per requirement all 286630 household bins (blue and green of 10 ltrs) and 1222 community bins (blue and green of 100 ltrs) have been supplied to SMC.
- The practice of door to door collection of waste is in place by SMC. Further requirement of vehicles have been assessed by SMC for ensuring segregated collection and transportation of waste. Already 320 tri cycle vans, 14 battery operated tippers and 23 fuel operated tippers have been delivered to SMC for primary and secondary collection/transportation.
- Micro Planning Organization, Sigma Foundation has already been engaged by SUDA for awareness generation and providing handholding support for full cycle solid waste management as per SWM Rules, 2016.

**III. Fresh waste processing plan for Siliguri (LONG TERM)**

- Action Plan already initiated by UD&MA Department/ SUDA - a Detailed Project Report regarding solid waste management has been prepared by UD&MA Department/ SUDA and already approved by State Level Task Force for SWM. In the said DPR quantitative and qualitative assessment has been done which depicts total waste generation per capita per day in grams (gpcd) is 550 grams in the year 2020 (considering population 630923).
- Eastern Organic Fertilizers Ltd has been engaged for processing of fresh waste (both Dry and Wet waste) with 10 years O&M. The agency has already started initial activities before commissioning of plant in Zone III, the area which has been reclaimed from legacy waste.

Sl. No.	Activities	Action Taken	Timeline for completion
1.	Completion of civil infrastructural works for commissioning of processing plants (both dry and wet) including sanitary landfill site	Design, Drawing for fresh waste Processing Plant at Zone-III is in progress. Land development works and internal drainage, road network and leachate management system are being done.	31.12.2022
2.	Procurement and Installation of electro-mechanical	Supply order for 40 Ton capacity weigh bridge has	31.03.2023



	equipment necessary for the plants	been placed and to be delivered within 30.09.2022. Trommel are being fabricated at site by the agency itself. (photographs are enclosed)	
3.	Date of commencement of processing of waste (both dry and wet)	-	01.04.2023

#### IV. Legacy Waste Management by KMDA

SI No	Location of the dumpsite	Quantity of legacy waste	Quantity processed	Remaining to be processed	Type of processed waste	Final disposal of the processed waste (type wise)	Target date of completion of Bio remediation	Target date of reclamation of land	Present Status	Mechanism for Real time monitoring
1	Don Bosco More, Ward No. 42- Salugara site under SMC Jurisdictions	379382 MT	144250 MT	235132 MT	Legacy Waste	Good Earth: 75000 MT Inert - 45000 MT, RDF - 7168 MT (rest qty remains at site for Disposal Process)	31.12.2023	31.12.2023	5.72 Acres cleared	CCTV, Weigh Bridge and Nodal Engineer

**Note:** The Zone-III has already been reclaimed. In the reclaimed land, FSTP is proposed to be constructed as a Pilot Project. Zone-II is being reclaimed and could be handed over by March 2023. Additional Zone-I is being used by the SMC for their Plastic Waste Management after reclamation by the Agency.

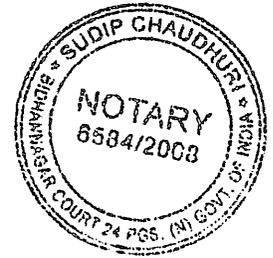
#### Online Continuous Monitoring of Solid Waste Management

KMDA has set up a Real Time Monitoring System for different treatments and activities going on at different locations in Solid Waste Management Processing Units of SMC by implementing Surveillance strategy. A Work Station for this purpose has already been opened at the Office of KMDA (UnnayanBhawan, 1<sup>st</sup> Floor, DJ-11, Salt Lake, Kolkata-91). Real Time Monitoring is now being done by the Competent Authority.

#### D. IEC Activities

- Awareness among citizens. Siliguri Municipal Corporation has installed awareness messages board by the side of Mahanada.
- Notice sludge directly into Municipal Drain
- Miking to widespread awareness to avoid open defecation to avoid open defecation is being done regularly

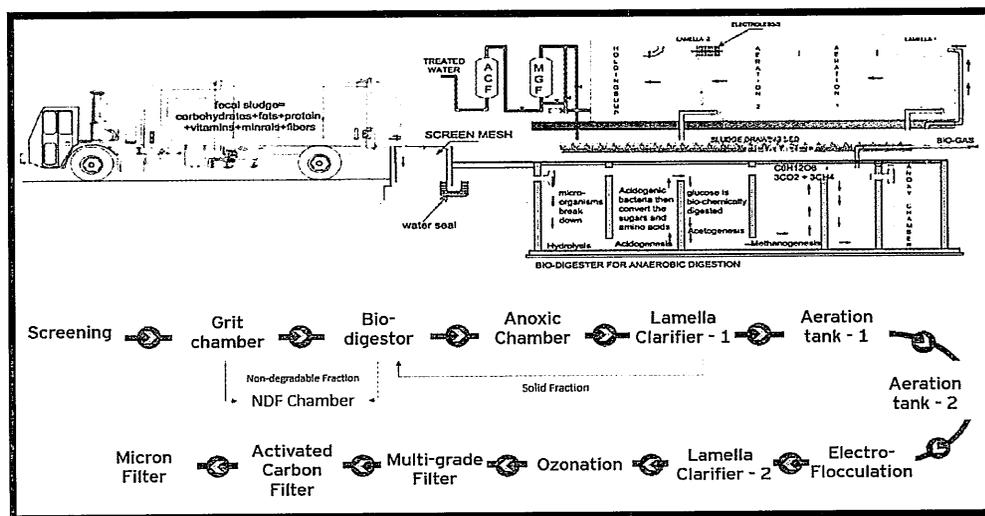
#### E. Beautification and cleaning of Crematorium by SMC



SMC has taken up a programme of day to day cleaning of the crematorium and its surrounding area and also has taken up a sustained Beautification Programme.

**F. Status of Faecal Sludge Treatment Plant (FSTP) at Siliguri**

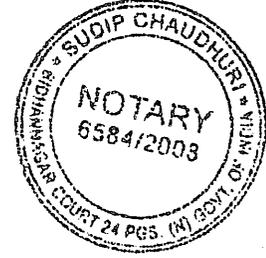
- ❖ Kharagpur IIT was entrusted to prepare the DPR for 30 KLD FSTP at Siliguri on pilot basis. Necessary land for the project at Siliguri is finalized. Kharagpur IIT has prepared the DPR keeping in touch with concerned Circle & Division offices of MED. A proposal to accord NOC to engage Kharagpur IIT as Technical Partner for FSTP project is under active consideration of the Department of UD & MA. The DPR of FSTP to be submitted to accord AA & FS after finalization of abovementioned NOC in favor of Kharagpur IIT.
- ❖ **SCHEMATIC DIAGRAM OF PROPOSED 30 KLD FSTP AT MRF CENTRE SILIGURI**  
Submitted by IIT - Kharagpur



**G. Solid Waste and Liquid Waste management by the Department of Panchayats & Rural Development (P&RD)**

Solid Waste Management	
Number of GPs on the banks of Mahananda	7
SWM unit under construction	1 ( Matigara -II)
SWM units will set up in 2022-23 in all 7 GPs.	
1 PWMU will be set up in Matigara block	

Liquid Waste Management	
Number of platform constructed	1,559
Number of soak pits constructed	1,378
All 7 GPs will be covered by GWM in 2022-23.	



### H. Biodiversity Programme taken up by the Department of Forest

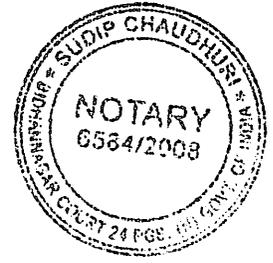
Biodiversity River Bank Protection (Plantation) at Teesta Barrage Acquired Land (Mahananda Division) over 100 Ha.

Sl	Item of Work	District	Location	Range	Area (in Ha)
1	Biodiversity River Bank plantation	Jalpaiguri	Porajhar to Fulbari	Central	50.00
2		Darjeeling	Baropathuram to Northern boundary of Porajhar	Ghoshpukur	50.00
<b>Total</b>					<b>100.00</b>

### I. Bank Protection work by the Department of Irrigation & Waterways

Bank protection work of River Mahananda at both banks (5.5 km each) from Champasari Road Bridge to Naukaghat Road Bridge

Sl No	In Phase	Activities	Cost Involved
1	Phase-I	Work for both upstream and downstream of Hill Cart Road Bridge, for a stretch of 1.280 km was Completed in the F.Y of 2018-19.	Rs. 272.74 lakh
2	Phase-II	Work for a stretch of <b>1.400 km</b> , for both upstream and downstream of Champasari Road Bridge was Completed in the F.Y of 2019-20	Rs. 348.26 lakh
3	Phase-III	Protection to the eroding both bank of river Mahananda for a length of 3.0 km at Downstream of Champasari Road Bridge at Lakhmi Colony Area, SMC Area, Dist. Darjeeling is Completed.	Rs. 763.83 Lakh
4	Phase-IV	Protection on the both banks of river Mahananda for a length of 5230 M in between Champasari Road Bridge and Naukaghat Bridge at SantoshinagarGanganagar area in PS Siliguri at Binoykrishna Pally Kolabusty area in PS Matigara District Darjeeling and at NatunparaPradipnagar area in PS Bhaktinagar District Jalpaiguri under Phase-IV in compliance of Honble NGT Order	Rs. 887.5 Lakh



	is under progress (Overall physical progress is around 33%) Target date of completion is 31-03-2023.	
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**J. Water Quality Report of Mahananda River by the Department of WBPCB**

**Water Quality Report of Mahananda**

	Champasari			Noukaghat		
	Jun. 22	Jul. 22	Aug-22	Jun. 22	Jul. 22	Aug-22
DO (Dissolved Oxygen) (mg/L)	6.9	6.7	6.4	5.0	4.9	4.1
BOD (Biochemical Oxygen Demand) (mg/L)	1.8	1.5	0.90	7.0	8.0	6.0
COD (Chemical Oxygen Demand) (mg/L)	11.44	6.24	11.44	23.92	19.76	18.72
FC (Faecal Coliform) (MPN/100 ml)	14000	17000	13000	50000	80000	140000

The Water Quality Report as received from WBPCB is showing a down ward trend in BOD and COD level over the period from June 2022 to August 2022.

**Notes:**

1. This combined Report has been prepared on the basis of the data & information received from different Executing Agencies and Departments.
2. As per directions of Hon'ble NGT, Chief Secretary, West Bengal is regularly Chairing Review Meetings with the concerned Departments on the progress achieved.
3. Attached with this reports:
  - a) The Report received from different Executing Agencies.

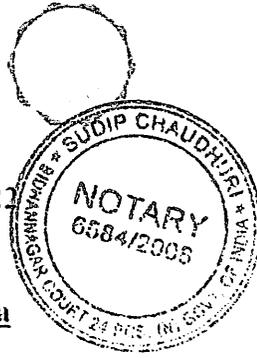
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# SILIGURI MUNICIPAL CORPORATION

Baghajatin Road, Siliguri, Dist. Darjeeling, West Bengal - 734001  
Website: www.siligurismc.in Email - smcwb@hotmail.com



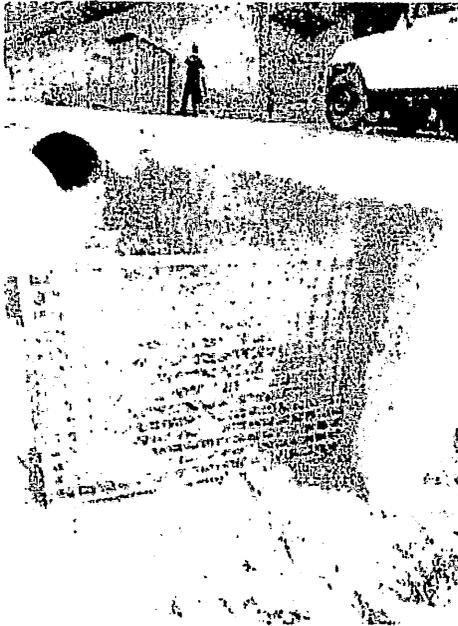
Memo No: 23/UP/SMC/22-23

Date: 8.09.2022

**Sub: Compliance Report as per Memo No. 3506-NGRBA/SPMG/Mahananda Rejuvenation – 638/21 Dated. 07.09.2022**

With reference to the aforementioned subject, I would like to highlight the Compliance Report of following:

- **Work on Major and Minor Drain discharging into river Mahananda**
  - **Compliance Report as on 31.08.2022**: SMC has identified 118 Nos. of drains discharging into Mahananda river. 37 major drains and 81 minor drains.
  - SMC has completed installation of Grates in all the drains,
  - SMC has started installing Secondary Netting at 3m Gap to arrest the spill over of Garbage.



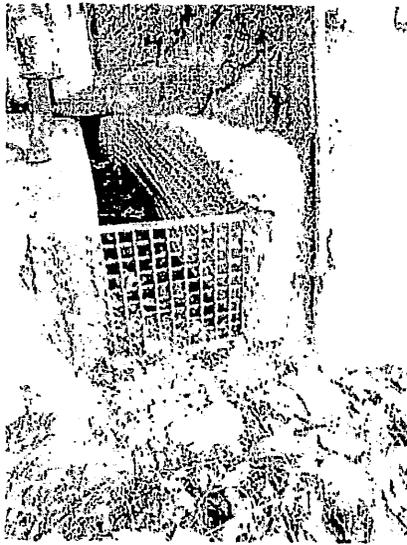


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Email - [smcwb@hotmail.com](mailto:smcwb@hotmail.com)



• **Manner of cleaning of Drains and disposal of the waste recovered from Drain**  
**Compliance Report as on 31.08.2022:**

- Siliguri Municipal Corporation has formed 15 (Fifteen) Task Force teams
- The teams are functioning borough wise round the clock with 1 (one) electric rickshaw per team.

Borough No.	Ward Nos	No. of Teams
Borough - I	1, 2, 3, 4, 5, 45, 46, 47	5 Nos.
Borough - II	6, 7, 8, 9, 10, 11, 12, 13, 14, 15	2 Nos
Borough - III	16, 17, 18, 19, 20, 21, 22, 23, 24, 28	2 Nos
Borough - IV	25, 26, 27, 29, 30, 31, 32, 33, 34, 35	2 Nos
Borough - V	36, 37, 38, 39, 40, 41, 42, 43, 44	4 Nos.

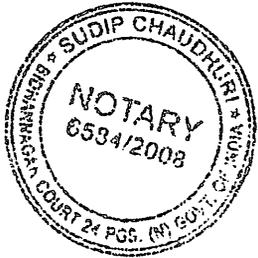
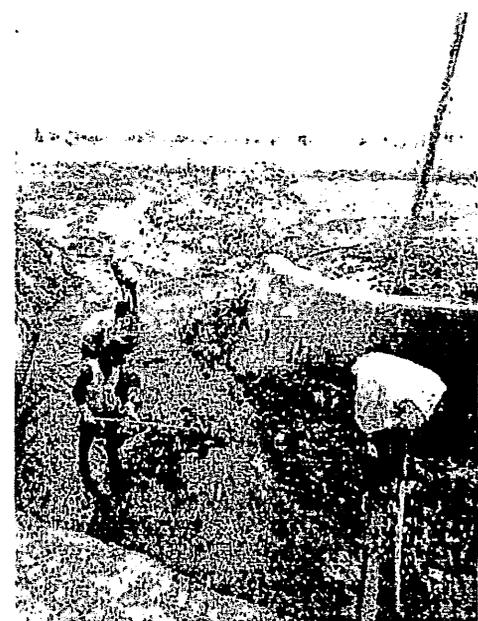
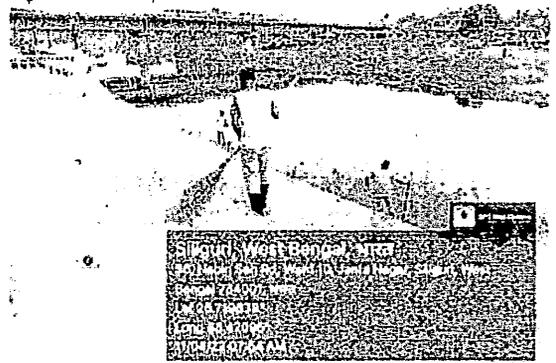
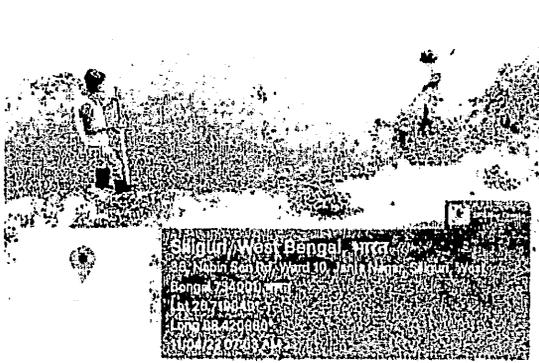


# SILIGURI MUNICIPAL CORPORATION

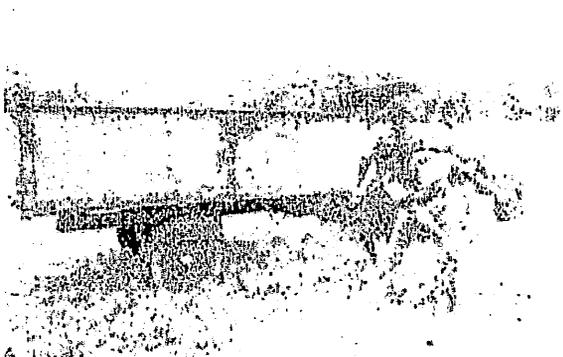
Baghajatin Road, Siliguri, Dist. Darjeeling, West Bengal - 734001

Website: [www.siligurismc.in](http://www.siligurismc.in)

Email: [smcwb@hotmail.com](mailto:smcwb@hotmail.com)



- SMC regularly clears cow dung from all the cowsheds in the vicinity of the Mahananda River.





## **SILIGURI MUNICIPAL CORPORATION**

Baghajatin Road, Siliguri, Dist. Darjeeling, West Bengal - 734001

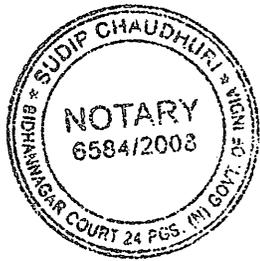
Website: [www.siligurismc.in](http://www.siligurismc.in) Email - [smcwb@hotmail.com](mailto:smcwb@hotmail.com)



- **In-Situ Treatment in the Drains:**

**Compliance Report as on 31.08.2022:**

- In Consultation with Dr. Sumon Konar, Associate, Prof. JGI C Two locations one at Naukaghat (Option-I) with Cascading and another near Surya Sen Park (Option-II) with Wheel Paddle Aerator have been proposed to carry out In-Situ Bioremediation work as a pilot case.
- Work order has already been given. Construction work ongoing and will be completed by December 2022.



- **IEC Activities :**

**Compliance Report as on 31.08.2022:**

- awareness among citizens. Siliguri Municipal Corporation has installed awareness messages board by the side of Mahananda.
- Notice has been issued to all cattle shed owners and household directly releasing fecal sludge directly into municipal Drain.
- Miking to widespread awareness to avoid open defecation is being done regularly.

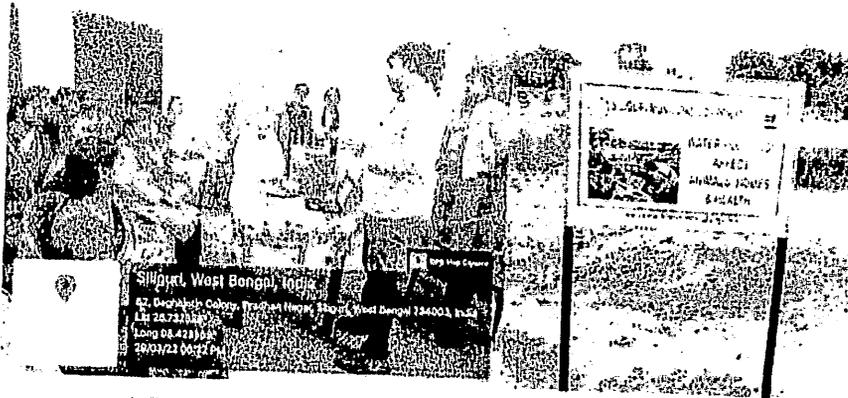
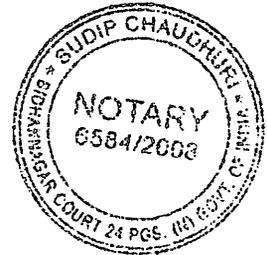
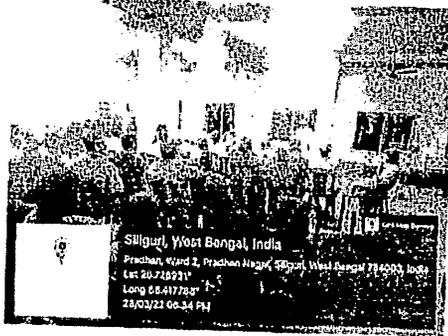
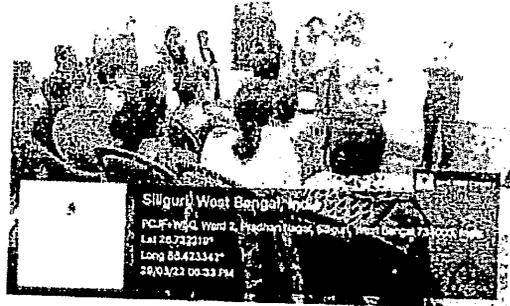


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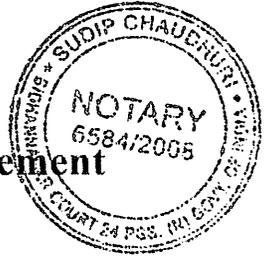
Email - [smcwb@hotmail.com](mailto:smcwb@hotmail.com)



Thanking you

Commissioner

Siliguri Municipal Corporation



## Checklist for filling of affidavit in respect of Waste Management

### 1. Liquid Waste Management

#### Details of Functional STPs (N/A)

Sl no.	Location	Installed capacity	Capacity currently utilised	GAP if any	Proposal for/measures taken for bridging the GAP	Name of Drains/Outfalls connected with STP	Mechanism for Real time monitoring

#### Details of Non functional STPs

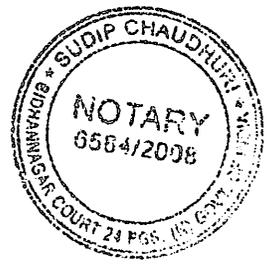
Sl No	Location	Installed Capacity	Measures taken for rejuvenation, if any	Target date of completion	Present Status
1	STP-II - Near Nougkhat More, Siliguri	16 MLD	Modified DPR of STP-II prepared by KMDA for 24 MLD	March 2025	The financial bid of the 2 <sup>nd</sup> call tender opened. Acceptance of this financial bid is under process from the end of the State Mission Director, AMRUT, West Bengal.
2	STP-III - Near RAF 2 <sup>nd</sup> battalion police camp near camp road, Siliguri	24MLD	Modified DPR of STP-III prepared by KMDA for 32 MLD	March 2024	The financial bid of the 3 <sup>rd</sup> call tender opened. Acceptance of this financial bid is under process from the end of the State Mission Director, AMRUT, West Bengal.

#### Number of STPs under different stages of execution

Sl No	Location	Proposed Capacity	Target date of completion	Present Status
1	STP-I - Beside the existing STP-II nearby noukaghat more. Mouza : Dabgram; JL NO. : 02; Khatain No. : 01; Plot No.: 53; Total Area : 3.7109 Acres.	48 MLD	June 2025	Tender invited and financial evaluation is under process.

07/09/22  
 Superintending Engineer  
 Circle-VI, Housing Sector  
 K.M.D.A.

7/9/22  
 Chief Engineer,  
 Water & Sanitation (GAP) Sector, KMDA.



9/12/22, 3:45 PM

Gmail - O.A. 10 (Mahananda) NGT Case - Action Taken Report of SWM



Program Director <spmg.programdirector@gmail.com>

## O.A. 10 (Mahananda) NGT Case - Action Taken Report of SWM

Director SUDA <sbm.wbsuda@gmail.com>

Fri, Sep 9, 2022 at 6:33 PM

To: Nandini Ghosh <nandinighosh.jsudma@gmail.com>, spmg.programdirector@gmail.com

Cc: Director SUDA Supriya Ghosal <supriya.directorsuda@gmail.com>, JOLY CHAUDHURI <jolychaudhuri9@gmail.com>, AMITAVA DAS <amitavadas209@gmail.com>, Suthirtha Chatterjee <suthirthachatterjee@gmail.com>

Madam,

Please find enclosed the report which needs ratification from the Commissioner, Siliguri MC.

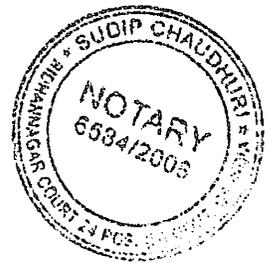
Yours faithfully

Director, SUDA

### 2 attachments

 Revised- Checklist format-SMC Nandini Madam.docx  
18K

 Siliguri MC Report on Fresh Waste Processing 16 June (2).docx  
2463K



## Checklist for filling of affidavit in respect of Waste Management

### 1. Solid Waste Management, Fresh Waste (Ward wise)

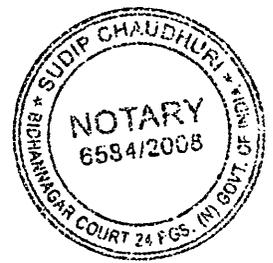
Ward No	Daily waste collected		Daily waste Processed			Manner of transportation to the dumpsite and frequency of the same	Type wise disposal of wastes, Manner with frequency	Mechanism for Real time monitoring	Remarks
	Segregated	Non segregated	Dry	Wet	Bio Medical				
1-47	122 MTD	225 MTD	20 MTD	30 MTD	Not measured	Daily, As collected through covered vehicle like PTC and FOT	As collected. Daily	Physically work monitored by Conservancy Department	Segregated waste collection in 24 Wards

### Details of Netting done in the outfalls/drains with frequency of cleaning.

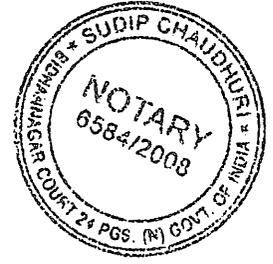
SI No	No of Drains/Outfalls draining into river	No of drains covered under netting	No of drains not covered under netting	Target date of completion of netting of all the drains	Present Status	Whether the collected waste is sent to dumpsite		Mechanism for Real time monitoring
						If yes, Frequency and method	If no, present practice	
1	37 Major Drains 81 Minor Drains	Installation of nettings completed in all 37 Major Drains and 81 Minor Drains  Secondary Nettings at 3 meter intervals has been started at all the drains	0	Completed	Functional	Yes, transported by covered vehicle i.e. PTC / Wheel Barrow	NA	Physically work monitored by Conservancy Department

### 2. Legacy Waste Management

SI No	Location of the dumpsite	Quantity of legacy waste dumped	Quantity processed	Remaining to be processed	Type of processed waste	Final disposal of the processed waste (type wise)	Target date of completion of Bio remediation	Target date of reclamation of land	Present Status	Mechanism for Real time monitoring
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1	Don Bosco More, Ward No. 42- Salugara site under SMC Jurisdictions	379382 MT	144250 MT	235132 MT	Legacy Waste	Good Earth: 75000 MT Inert – 45000 MT, RDF – 7168 MT (rest qty remains at site for Disposal Process)	31.12.2023	31.12.2023	5.72 Acres cleared	CCTV, Weigh Bridge and Nodal Engineer
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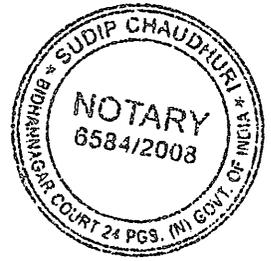
**Action Taken Report on Fresh Waste Processing of Siliguri Municipal Corporation (As On 08/09/2022)**

Siliguri Municipal Corporation, gate way of North East India has 47 wards with total population of 513264 as per census 2011. At present the municipal fresh waste generation is 347 MT per day in Siliguri Municipal Corporation. Out of that 208 MT is wet waste and 139 MT is dry waste.

**1. Proposed plan for Fresh waste processing in Siliguri with timelines (LONG TERM):**

- Action Plan already initiated by UD&MA Department/ SUDA - a Detailed Project Report regarding solid waste management has been prepared by UD&MA Department/ SUDA and already approved by State Level Task Force for SWM. In the said DPR quantitative and qualitative assessment has been done which depicts total waste generation per capita per day in grams (gpcd) is 550 grams in the year 2020 (considering population 630923).
- Eastern Organic Fertilizers Ltd has been engaged for processing of fresh waste (both Dry and Wet waste) with 10 years O&M. The agency has already started initial activities before commissioning of plant in Zone III, the area which has been reclaimed from legacy waste.

Sl. No.	Activities	Action Taken	Timeline for completion
1.	Completion of civil infrastructural works for commissioning of processing plants (both dry and wet) including sanitary landfill site	Design, Drawing for fresh waste Processing Plant at Zone-III is in progress. Land development works and internal drainage, road network and leachate management system are being done.	31.12.2022
2.	Procurement and Installation of electro-mechanical equipment necessary for the plants	Supply order for 40 Ton capacity weigh bridge has been placed and to be delivered within 30.09.2022. Trommel are being fabricated at site by the agency itself. (photographs are enclosed)	31.03.2023
3.	Date of commencement of	-	01.04.2023



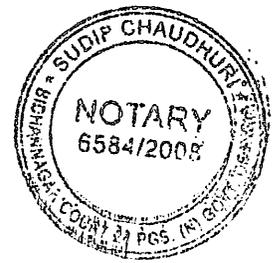
	processing of waste (both dry and wet)		
--	--	--	--

**2. CPU Plan and proposed interim short term fresh waste processing plan for Siliguri (SHORT TERM)**

- At present Siliguri Municipal Corporation has a 1 TPD Automatic Organic Waste Composter (OWC) machine which mainly processes a portion of the market waste. Beside this, the Interim Central Processing Unit has been augmented to cater approximately to 30 TPD of wet waste and 20 TPD of dry waste.
- On receiving a proposal from UNDP, UD&MA Department sanctioned for setting up of a dry waste processing unit of 5 TPD capacity. As per the proposal received from UNDP infrastructure was sanctioned by the State at a total cost of Rs.99.88 lakhs and Siliguri MC may complete execution of the infrastructure within 31.12.2022. The operation of the MRF was to be done by UNDP with all mechanical equipments to be supplied by them but presently they are not responding to operate the material recovery facility without any official intimation. State is now looking for a suitable partner to set up the processing plant alongwith supply and installation of all machineries at the site after the infrastructural work get completed.

**3. City Micro Plan for Fresh waste**

- At present Siliguri Municipal Corporation is practicing collection and transportation of both dry and wet waste in segregated manner from 24 wards and transporting the same to the dumping ground on daily basis. Collection of both dry and wet waste is being practiced from all households, commercial centers and educational institutions and places of importance. In remaining 23 wards, IEC and capacity building activities for different stakeholders have been initiated. Tender has been floated for procurement of primary and secondary vehicles for collection and transportation of segregated solid waste from these remaining 23 wards. Initiative has been taken to engage manpower for collection, transportation (Nirmal Bandhu) and supervision (Nirmal Sathi) of the works for these remaining 23 wards. The collection and transportation of segregated waste in these remaining 23 wards will be initiated within 31.12.2022.

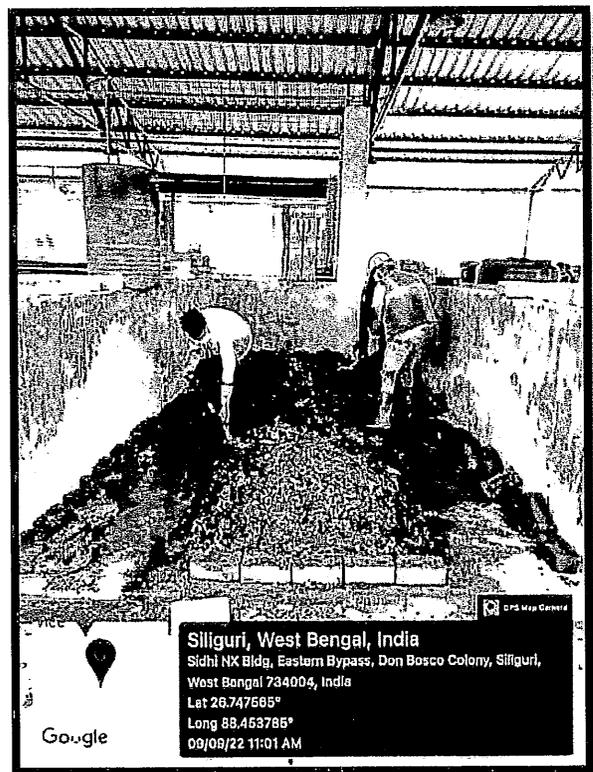
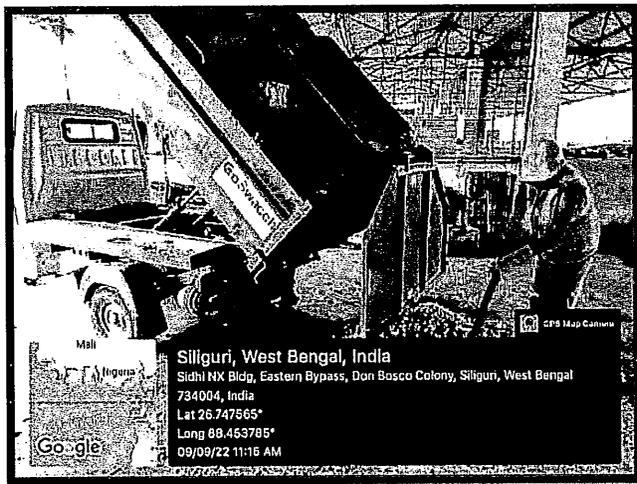


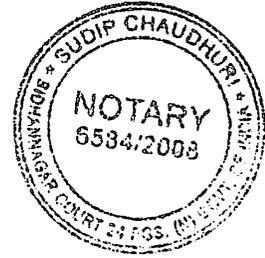
- As per requirement all 286630 household bins (blue and green of 10 ltrs) and 1222 community bins (blue and green of 100 ltrs) have been supplied to SMC.
- The practice of door to door collection of waste is in place by SMC. Further requirement of vehicles have been assessed by SMC for ensuring segregated collection and transportation of waste. Already 320 tri cycle vans, 14 battery operated tippers and 23 fuel operated tippers have been delivered to SMC for primary and secondary collection/transportation.
- Micro Planning Organization, Sigma Foundation has already been engaged by SUDA for awareness generation and providing handholding support for full cycle solid waste management as per SWM Rules, 2016.

**Some Pictorial View**

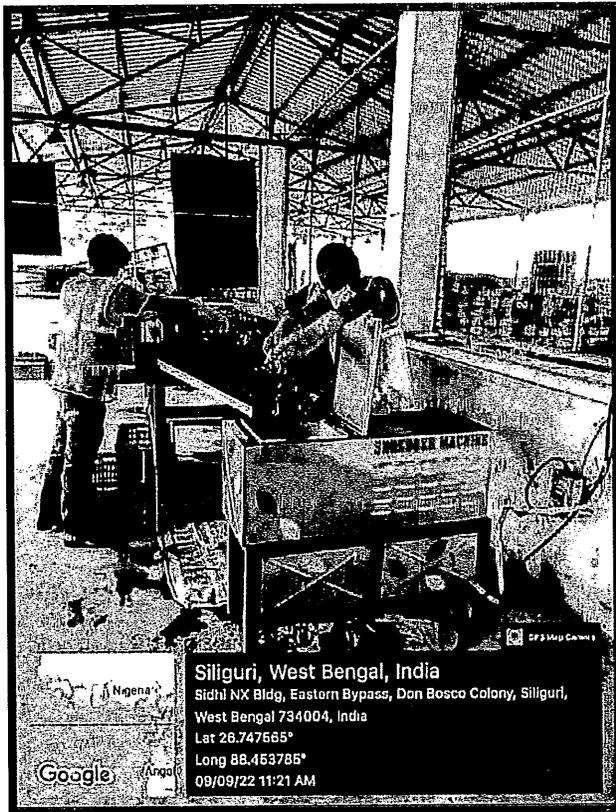
**Interim Fresh Waste Processing Unit:**

**Wet Waste composting:**

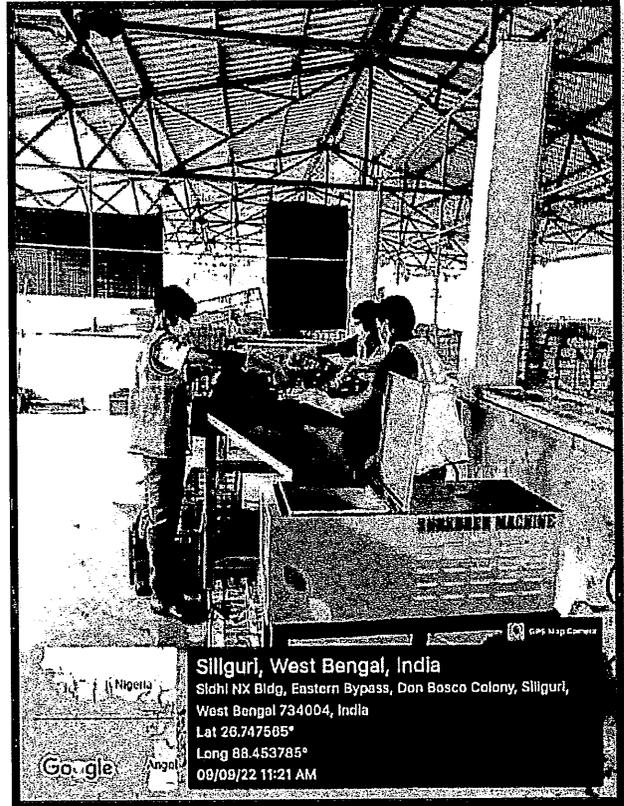




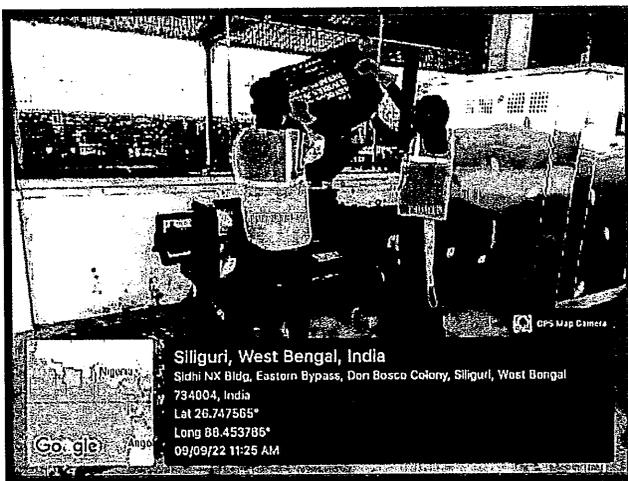
### Organic Waste Composting



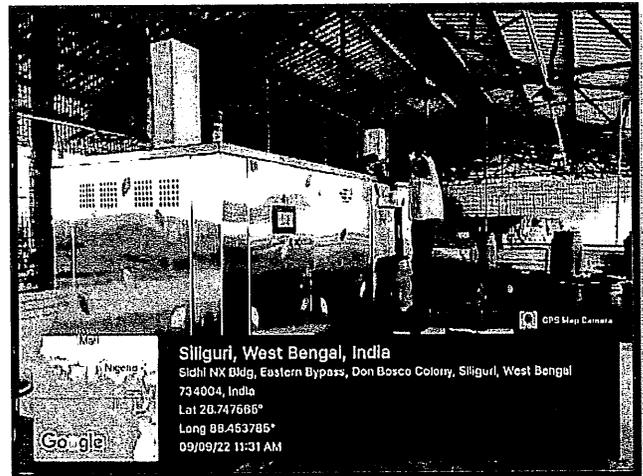
Siliguri, West Bengal, India  
Sidhi NX Bldg, Eastern Bypass, Don Bosco Colony, Siliguri,  
West Bengal 734004, India  
Lat 26.747665°  
Long 88.453785°  
09/09/22 11:21 AM



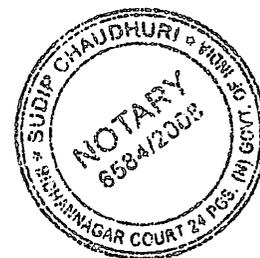
Siliguri, West Bengal, India  
Sidhi NX Bldg, Eastern Bypass, Don Bosco Colony, Siliguri,  
West Bengal 734004, India  
Lat 26.747585°  
Long 88.453785°  
09/09/22 11:21 AM



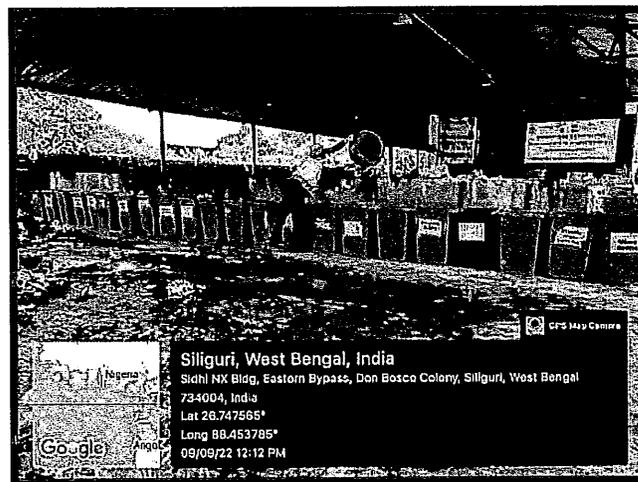
Siliguri, West Bengal, India  
Sidhi NX Bldg, Eastern Bypass, Don Bosco Colony, Siliguri, West Bengal  
734004, India  
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09/09/22 11:25 AM



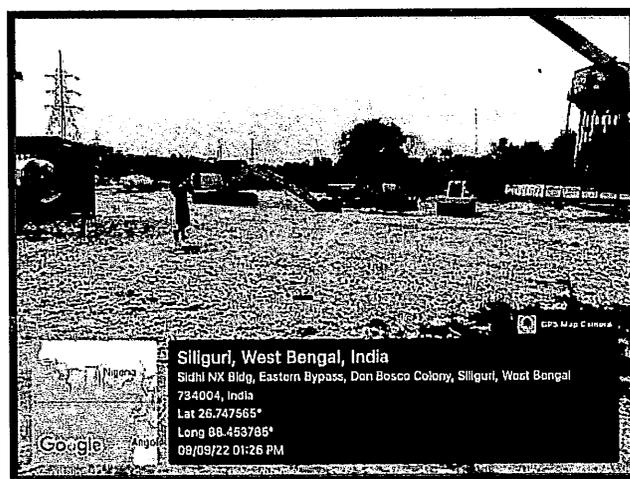
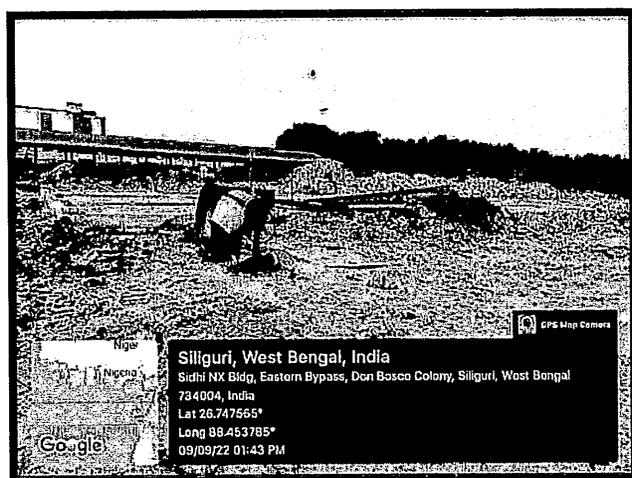
Siliguri, West Bengal, India  
Sidhi NX Bldg, Eastern Bypass, Don Bosco Colony, Siliguri, West Bengal  
734004, India  
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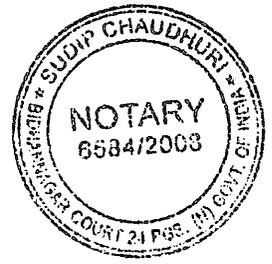


### Material Recovery Facility for Dry Waste

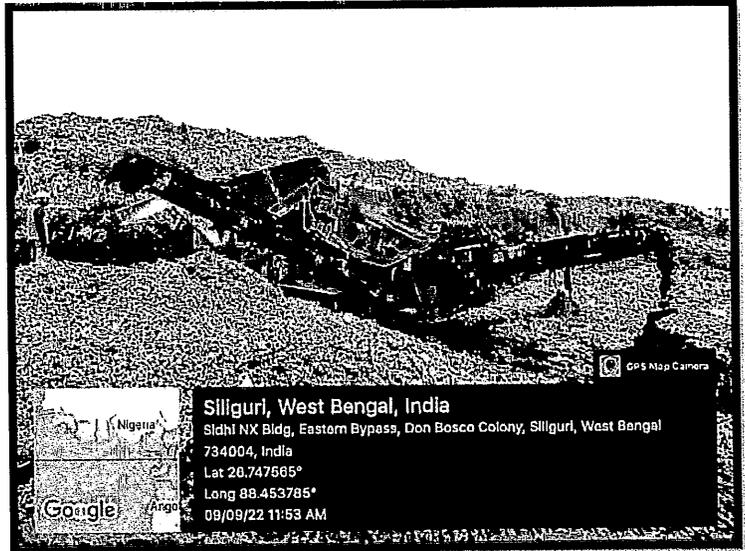
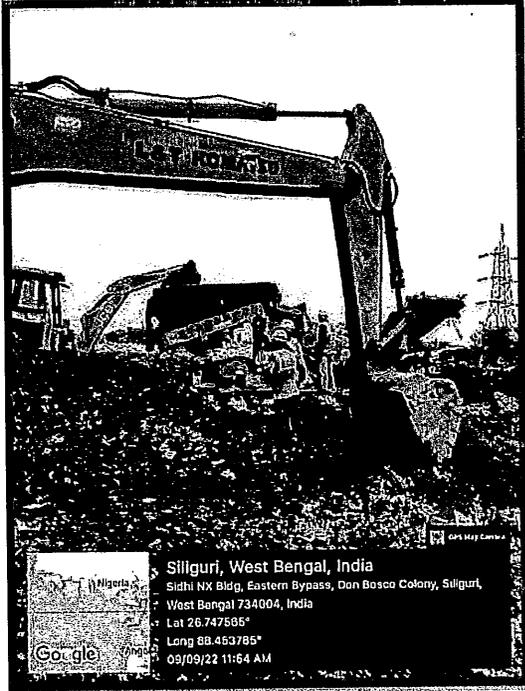


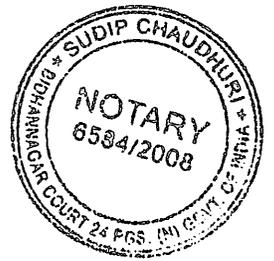
### Zone -3 biomined and bio remediated from Legacy Waste and commencement of activities for Fresh Waste Processing by the Selected Agency





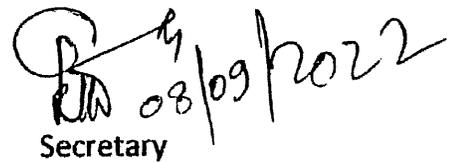
**Biomining and bioremediation of Legacy Waste at Zone-II, in progress**





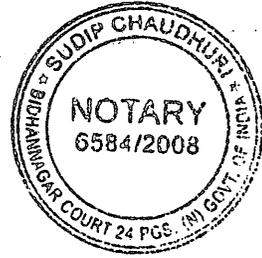
**Report of FSTP Project at Siliguri as on 31/08/2022**

Kharagpur IIT was entrusted to prepare the DPR for 30KLD FSTP at Siliguri on pilot basis. Necessary land for the project at Siliguri is finalized. Kharagpur IIT has prepared the DPR keeping in touch with concerned Circle & Division offices of MED. A proposal to accord NOC to engage Kharagpur IIT as Technical Partner for FSTP project is under active consideration of the Department of UD & MA. The DPR of FSTP to be submitted to accord AA & FS after finalization of abovementioned NOC in favor of Kharagpur IIT.

  
08/09/2022

Secretary

Municipal Engineering Directorate  
Government of West Bengal



Government of West Bengal  
 Directorate of Forests  
 Office of the Principal Chief Conservator of Forests, Head of Forest Force  
 AranyaBhawan, Block-LA-10A, Sector-III, Salt Lake City, Kolkata-700 106  
 Phone: (033) 2335 8581/7751, Fax: (033) 2335 8756, e-Mail: [pccfnhoff.office-wb@gov.in](mailto:pccfnhoff.office-wb@gov.in)  
 Visit us at: [www.westbengalforest.gov.in](http://www.westbengalforest.gov.in)



No 5759/S/LAW/7R-2(1126)/2022.

Date 09/09/2022

From: The Principal Chief Conservator of Forests & Head of Forest Force, West Bengal.

To : The Additional Chief Secretary to the Government of West Bengal, Department of Forests.

**Sub: Compliance Status as on 31.08.2022 for filling affidavit of the Chief Secretary, Govt. of West Bengal by 15.09.2022 on the order passed by the Hon'ble NGT, Special Bench on 06.05.2022 under OA 10/2016/EZ (Solid and liquid waste management for pollution abatement in River Mahananda)**

Sir,

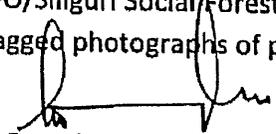
The Hon'ble National Green Tribunal passed an order dated 09.05.2022 in the above mentioned matter with a direction that action taken report with compliance as on 31.08.2022 in the form of an affidavit to be filed by the Chief Secretary, Govt. of West Bengal by 15.09.2022. It appears that Point No. G of Para 3 of the said order pertains to Forest Department.

Point no. G contains Biodiversity Programme taken up by the Department of Forests with sub clause 'Biodiversity River Bank Protection (Plantation) at Teesta Barrage Acquired Division over 100 Ha.' with a table appended thereafter, reproduced below:

SL	Item of Work	District	Location	Range	Area (in Ha)
1	Biodiversity River Bank Plantation	Jalpaiguri	Porajhar to Fulbari	Central	50.00
2		Darjeeling	Baropathuram to Northern boundary of Porajhar	Ghoshpukur	50.00
				Total	100.00

The Biodiversity River Bank Plantation of 100 Ha in the District of Jalpaiguri and Darjeeling in the said location has been raised. (Annexure I: Report of DFO/Siliguri Social Forestry Division vide letter No. 232/13-7 dated 12.04.2022) and (Annexure II: Geo tagged photographs of plantations).

Enco : As stated above.

  
 ( Soumitra Dasgupta, IFS)  
 Principal Chief Conservator of Forests &  
 Head of Forest Force,  
 West Bengal.



Range - Central, Jalpaiguri



GPS Map  
Camera Lite

Unnamed Road, Siliguri, West Bengal 734004, India

Latitude

26.658361666666664°

Longitude

88.406828333333334°

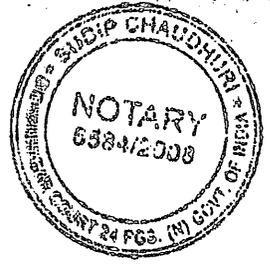
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GMT 08:58:31 AM

Altitude 93.1 meters

Thursday, 08 Sep 2022

Range - Central, Jalpaiguri



GPS Map  
Camera Lite

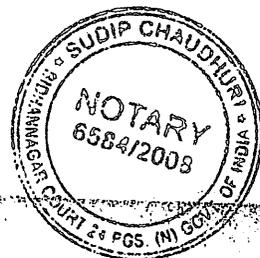
MC24+FW4, NH 27, Kamrangaguri, Binnaguri, West Bengal 734015, India

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26.653408333333333°

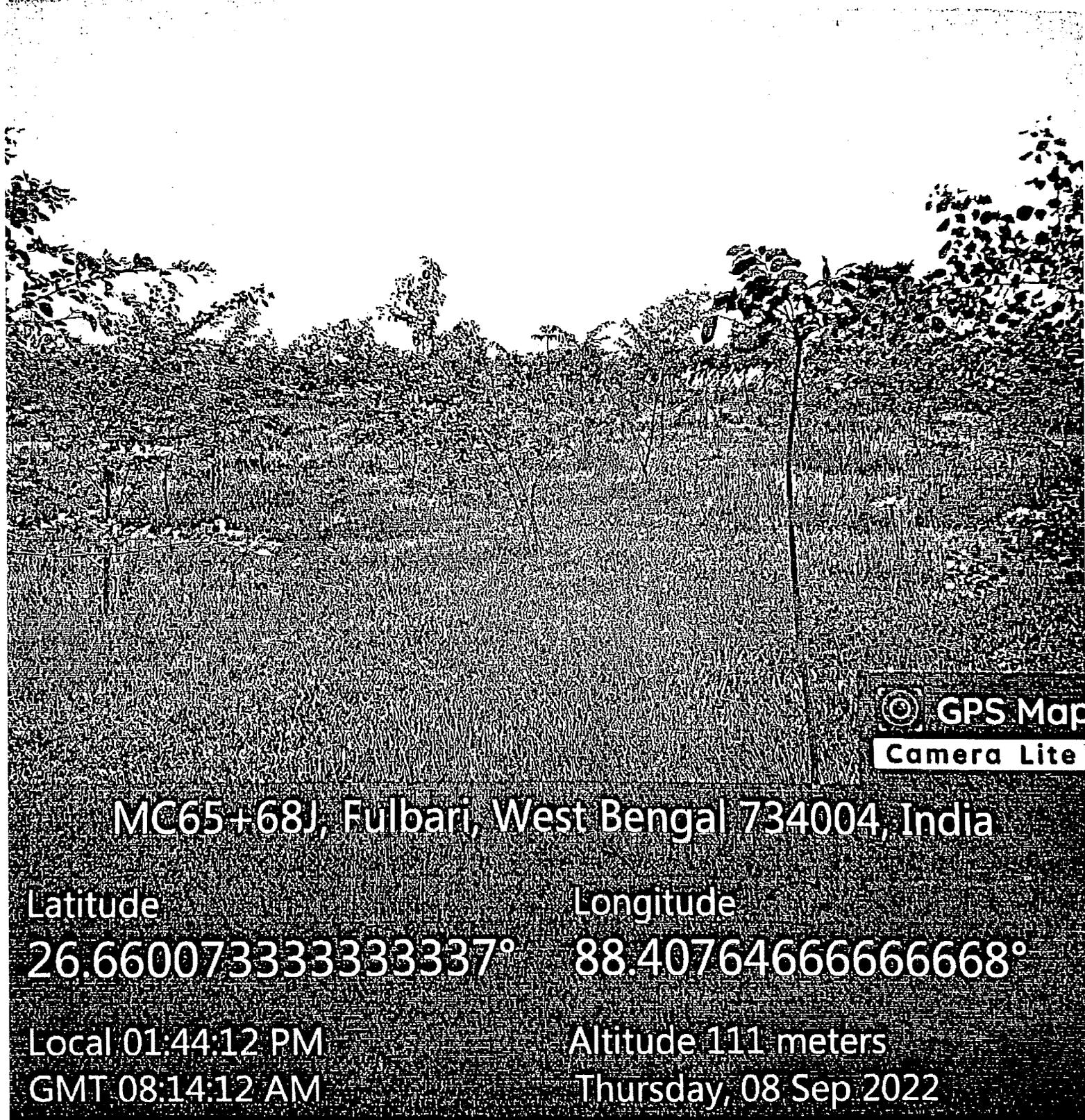
Longitude  
88.406156666666666°

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GMT 08:40:23 AM

Altitude 98.1 meters  
Thursday, 08 Sep 2022



Range :- Central, Jalpaiguri



GPS Map  
Camera Lite

MC65+68J, Fulbari, West Bengal 734004, India

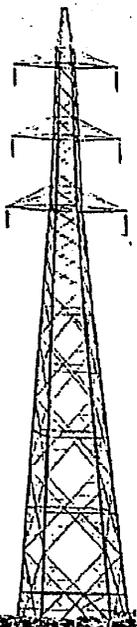
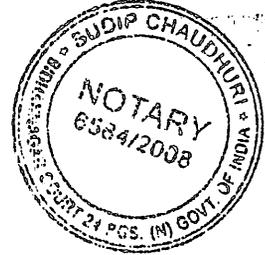
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26.6600733333333337°

Longitude  
88.407646666666668°

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Altitude 111 meters  
Thursday, 08 Sep 2022

Range: Central, Jalpaiguri



GPS Map  
Camera Lite

MC65+394, Kamrangaguri, Siliguri, West Bengal 734012,  
India

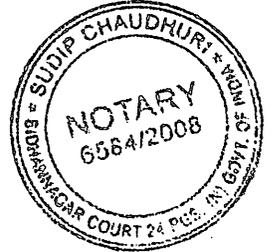
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Longitude  
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GMT 08:29:15 AM

Altitude 101.8 meters  
Thursday, 08 Sep 2022

Range - Central, Jalpaiguri



GPS Map  
Camera Lite

NH 27, Kamrangaguri, Binnaguri, West Bengal 734015,  
India

Latitude  
26.653445°

Longitude  
88.40638333333332°

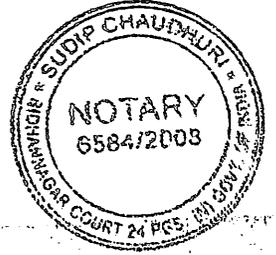
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Altitude 96.2 meters  
Thursday, 08 Sep 2022

B

-48-

Range - Central, Jalpaiguri



GPS Map  
Camera Lite

MC65+68J, Fulbari, West Bengal 734004, India

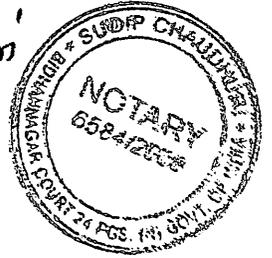
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Longitude  
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GMT 08:14:44 AM

Altitude 108.1 meters  
Thursday, 08 Sep 2022

Range Central, Jalpaiguri



GPS Ma  
Camera Lite

MC65+394, Kamrangaguri, Siliguri, West Bengal 734012  
India

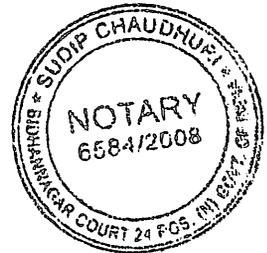
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Longitude  
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GMT 08:19:48 AM

Altitude 102 meters  
Thursday, 08 Sep 2022

Range:- Central, Jalpaiguri



GPS Map  
Camera Lite

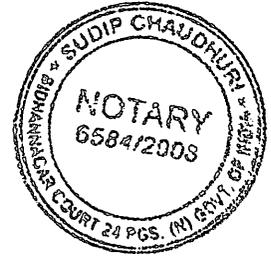
MC58+299, Fulbari, West Bengal 734015, India

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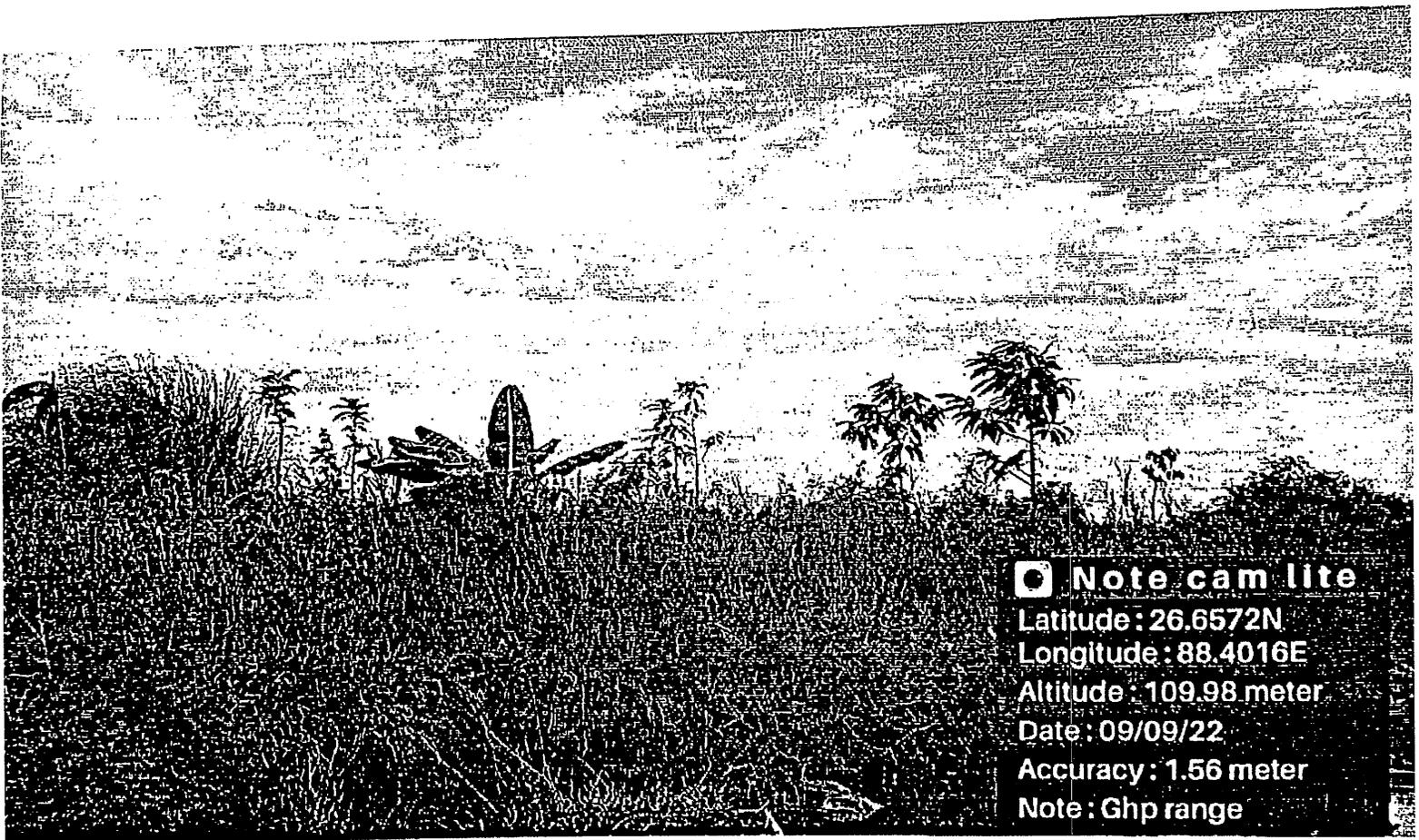
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88.4156977°

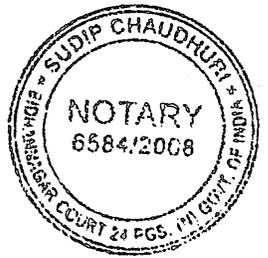
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Thursday, 08 Sep 2022



Range:- Ghoshpukur, Darjeeling





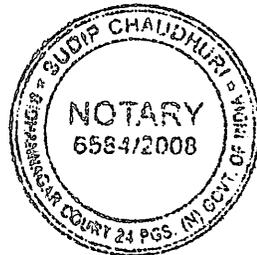
Range - Ghoshpur, Dazjeeling



Range - Ghoshpukur, Darjeeling



 **Note cam lite**  
Latitude : 26.6595N  
Longitude : 88.4025E  
Altitude : 113.41 meter  
Date : 09/09/22  
Accuracy : 0.71 meter  
Note : Gho range



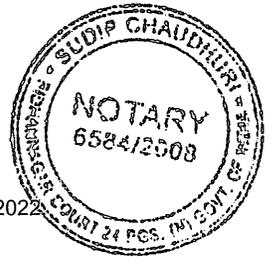
Range - Ghoshpurus, Darjeeling



Note cam lite  
Latitude : 26.6573N  
Longitude : 88.4017E  
Altitude : 110.13 meter  
Date : 09/09/22  
Accuracy : 1.63 meter  
Note : Ghp range



- 55 -



9/12/22, 3:53 PM

Gmail - Status Report of works related to NGT for the month of August-2022



Program Director <spmg.programdirector@gmail.com>

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## Status Report of works related to NGT for the month of August-2022.

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dsw iwd <dswiwd@gmail.com>

Fri, Sep 2, 2022 at 11:45 AM

To: parthajoy.wbspmg@gmail.com, kmdagap@gmail.com, adda.asl@gmail.com, ceo\_adda@yahoo.com, secretarymedte@gmail.com, spmg.phe@gmail.com, sjda@gmail.com, ce\_hq@wbphed.gov.in, spmg.programdirector@gmail.com, apd.wbspmg@gmail.com, prantik1972@gmail.com, spmg.biswanath@gmail.com, sesouthgapkmda@gmail.com, senorthgapkmda@gmail.com

Cc: biplab\_mukherjee05@yahoo.co.in, Chief Engineer South Jalasampad Bhavan <chiefengineersouth2015@gmail.com>, cenortheastjal@gmail.com, cenorth2014@gmail.com, cesw.wbiwd@gmail.com, ce2iwd2007@gmail.com

Sir/Madam

Please find enclosed herewith the **Monthly progress report (August-2022)** on the works of Irrigation & Waterways Department, taken up in compliance to the order of HNGT in O.A. Case 673 and **Quarterly progress report (June-2022 to August-2022)** on the works of Irrigation & Waterways Department, taken up in compliance to the order of HNGT in O.A. Case 200.

Regards

Smarajit Sarkar

Deputy Secretary, I&WD

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### 3 attachments

 **Quarterly progress report (June 2022 to August 2022).xls**  
25K

 **Progress Report as on August 2022 (New Format).xls**  
33K

 **Annexure-I and II IWD August 2022.xlsx**  
24K

**Annexure-II**

**Status of Implementation of Action Plan (2020-21) of Irrigation & Waterways Department, Govt. of West Bengal with respect to erosion and flood protection works envisaged in the Action Plan submitted by I&WD vide memo no.233-IW/O/IFC-4M-16/2015(PT) dated 26.06.2019 subsequently revised vide no-42-IW/O/IFC-4M-16/2015(Pt) dated 05.02.2020 to comply NGT order no- O.A. 673/2017 and O.A. 727/2018**

Name of the State/UT : West Bengal As on 31.08.2022

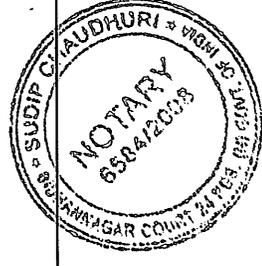
Contact details of the Nodal Officer : **Biplab Mukherjee,**

Joint Secretary to the Govt. of West Bengal  
Irrigation & Waterways Department

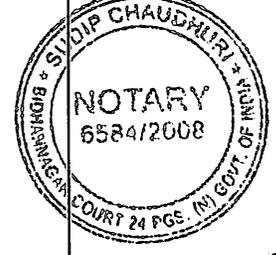
Phone & Fax - 033 2321 2706; email : biplab\_mukherjee05@yahoo.co.in

**A. Component :- Flood Plane Zone Protection and its Management**

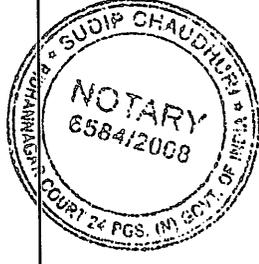
Sl. No.	River Stretches	Key components of proposed action plans for restoration of identified polluted river stretches in States/Uts	Cost in Rs. Lakh	Proposed Achievable Target	Target/ revised completion	Status as on 31.07.2022	Status as on 31.08.2022
1	Vindhadhari (Harao Bridge to Malancha Burning Ghat)	Raising, Strengthening and Improvement of Sundarban Embankment with 20 cm thick dry brick pitching for a length of 1250.00 M. from Ch. 21.18 Km. to Ch. 22.43 Km. on the right bank of River Bidyadhari at Mouja : Abad Malancha. Block : Minakhan, P.S.: Minakhan, Dist. North 24 Parganas.	860.80	Erosion protection at Mouja : Abad Malancha. Block : Minakhan, P.S.: Minakhan, Dist. North 24 Parganas.	31.03.2023	35 % progress achieved. No considerable progress achieved in July-2022 due to monsoon.	35 % progress achieved. No considerable progress achieved in August-2022 due to monsoon.
2		Raising , Strengthening and Improvement of Sundarban Embankment with 20 cm thick dry brick pitching for a length of 650.00 M. from Ch. 17.50 Km. to Ch. 18.15 Km. on the right bank of River Bidyadhari at Mouja : Minakhan, Block : Minakhan, P.S.: Minakhan, Dist. North 24 Parganas.	266.09	Erosion protection at Mouja : Minakhan, Block : Minakhan, P.S.: Minakhan, Dist. North 24 Parganas.	31.05.2022	Completed	Completed
3		Raising, Strengthening and Improvement of Sundarban Embankment with 20 cm thick dry brick pitching for a length of 700.00 M. from Ch. 6.50 Km. to Ch. 7.20 Km. on the right bank of River Bidyadhari at Mouja : Ranigachi, Block : Haroa, P.S.: Haroa, Dist. North 24 Parganas.	312.87	Erosion protection at Mouja : Ranigachi, Block : Haroa, P.S.: Haroa, Dist. North 24 Parganas.	31.03.2022	Completed	Completed



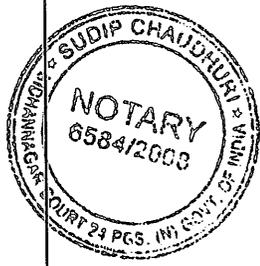
4	Mahananda (Siliguri to Binnaguri)	Protection to the eroding both bank of river Mahananda for a length of 3.0 km at Downstream of Champasari Road Bridge at Lakhmi Colony Area, SMC Area, Dist. Darjeeling.	763.83	Erosion protection at SMC Area, Dist. Darjeeling.	31.08.2022	95 % progress achieved.	Completed
5		Protection on the both banks of river Mahananda for a length of 5230 M in between Champasari Road Bridge and Noulkaghat Bridge at Santoshinagar Ganganagar area in PS Siliguri at Binoykrishna Pally Kolabusty area in PS Matigara District Darjeeling and at Natunpara Pradipnagar area in PS Bhaktinagar District Jalpaiguri under Phase-IV in compliance of Honble NGT Order	887.50	Erosion protection at SMC Area, Dist. Darjeeling.	31.03.2023	11 % progress achieved.	33 % progress achieved.
6	Churni (Santipur Town To Majhadia)	Protection to the eroding right bank of river Churni at Bapujinagar G.P. Badkulla-II, P.S. Teharpur, Block-Hanskhali, Nadia under Nadia Irrigation Division.	187.74	Erosion protection at Badkulla-II, P.S. Teharpur, Block- Hanskhali, Nadia under Nadia Irrigation Division.	30.04.2022	Completed	Completed
7	Hooghly/Ganga (Tribeni to Diamond Harbour)	Protection to the severely damaged left bank of river Hooghly in between Chaotanya Ghat and Kanch Mandir Ghat by providing cement concrete block pitching for a length of 170 mm and boulder sausage protection work for a length of 50 m within Ward no. 30 & 31 of Baranagar municipality in P.S. Baranagar, District North 24 Parganas.	152.08	Erosion protection at ward no. 30 and 31 of Baranagar Municipality in P.S.- Baranagar, District- North 24 Parganas.	15.07.2022	Completed	Completed
8	Hooghly/Ganga (Tribeni to Diamond Harbour)	Protection to the severely damaged left bank of river Hooghly in between Alambazar Government Quarter campus to Ramlochan Babu Ghat by providing cement concrete block pitching for a length of 215 m and reconstruction of 50 m guard wall in front of Bhabkunja Ashram undre Ward no. 4 of Baranagar municipality in P.S. Baranagar, District North 24 Parganas.	185.55	Erosion protection at ward no- 04 of Baranagar Municipality in P.S- Baranagar, Dist- North 24 Pgs.	31.05.2022	Completed	Completed



9	Hooghly/Gang a (Tribeni to Diamond Harbour)	Protection to the left bank of river Hooghly from Mangal Pandey Ghat to Malanch Tourist Lodge near Vivekananda State Police Academy for a length of 135 m including renovation of sluice under Barrackpore Municipality in P.S. - Barrackpore, Dist. - North 24 Pgs.	261.63	Erosion protection near Vivekananda State Police Academy under Barrackpore Municipality in P.S-Barrackpore, Dist- North 24 Parganas.	31.03.2020	Completed	Completed
10	Hooghly/Gang a (Tribeni to Diamond Harbour)	Protection work to the left bank of Hooghly embankment at Sulapani Ghat near Harna Sluice for a length of 200m at Mouza Sultanpur in Block - Diamond Harbour-I, P.S. Diamond harbour, Dist-South 24 Parganas.	399.21	Erosion protection under Block - Diamond Harbour-I, P.S. Diamond harbour, Dist-South 24 Parganas.	31.12.2022	42 % physical progress achieved. No considerable progress achieved in July-2022 due to monsoon.	42 % physical progress achieved. No considerable progress achieved in August-2022 due to monsoon.
11	Hooghly/Gang a (Tribeni to Diamond Harbour)	Protection on left embankment of the Hooghly River for a length of 150 m by dumping Geo-Bag below L.W.L with slope protection by HDPE bags at pujali in P.S - Budge Budge , Dist- South 24 Parganas.	180.00	Erosion protection at pujali in P.S - Budge Budge , Dist- South 24 Parganas.	31.03.2022	Completed	Completed
12	Hooghly/Gang a (Tribeni to Diamond Harbour)	Protection of Hooghly left embankment with Brick Block Pitching for a length of 250 M at Kanchantala Shasan Ghat kali Mandir within Ward No 140 of KMC in P.S - Nadial , Dist- South 24 Parganas	199.31	Erosion protection at Kanchantala Shasan Ghat kali Mandir within Ward No 140 of KMC in P.S - Nadial , Dist- South 24 Parganas.	30.11.2022	85 % physical progress achieved. No considerable progress achieved in July-2022 due to monsoon.	90 % physical progress achieved.
13	Hooghly/Gang a (Tribeni to Diamond Harbour)	Protection to right embankment of Hooghly River at the confluence of Chapa Khal for a length of 210 m at Kalinagar in Block Uluberia -I, P.S. Uluberia, District Howrah.	195.18	Erosion protection at Kalinagar in Block Uluberia -I, P.S. Uluberia, District Howrah.	31.12.2020	completed	completed
14	Hooghly/Gang a (Tribeni to Diamond Harbour)	Protection to right embankment of Hooghly River at Tetikhola for a length of 150 m in Block Shyampur-I, P.S Shyampur, District Howrah.	112.92	Erosion protection at Tetikhola in Block Shyampur-I, P.S Shyampur, District Howrah.	31.12.2020	completed	completed



15	Hooghly/Gang a (Tribeni to Diamond Harbour)	Protection to right embankment of Hooghly River at the confluence of Gouriganga Khal at Chalkashi for a length of 240 m in Block Uluberia-I, PS Uluberia, District Howrah.	156.72	Erosion protection at Chalkashi in Block Uluberia-I, PS Uluberia, District Howrah.	31.12.2020	completed	completed
16	Hooghly/Gang a (Tribeni to Diamond Harbour)	Protection of Hooghly right embankment for a length of 300 m at Sirishtala, Gadiara, in Block Shyampur-I, P.S Shyampur, District Howrah.	156.40	Erosion protection at Block Shyampur-I, P.S Shyampur, District Howrah.	31.12.2020	completed	completed
17	Jalangi (Laal Dighi To Krishna Nagar)	Protection to the eroded left bank of river Jalangi at Village Bhandarkhola Mouza Java PS Kotwali Block Krishnanagar -I and right bank of river Jalangi at Village Srikrishnapur-Panditpur PS Dhubulia Block Krishnanagar II for the total length of 1050m.	315.00	Erosion protection at Village Bhandarkhola Mouza Java PS Kotwali Block Krishnanagar -I	30.06.2022	Completed	Completed
18	Kansi (Midnapore To Ramnagar)	Protection and pitching work to the left bank of river Kangsabati for a length of 1500 m at Mouza Kankabati, Block Midnapore Sadar,P.S Kotowali, District Paschim Medinipur.	361.66	Erosion protection at Mouza Kankabati, Block Midnapore Sadar,P.S Kotowali, District Paschim Medinipur.	31.06.2020	completed	completed
19	Dwarakeshwar (along Bankura)	Protection of work for a length of 300 m along the right bank of reiver Darakeswar in Birsinghapur Mouza under Santore GP in P.S. Onda, Dist.-Bankura.	86.15	Erosion protection at Birsinghapur Mouza under Santore GP in P.S. Onda, Dist.-Bankura.	31.12.2020	completed	completed
20	Kaljani (Bitala To Alipurwar)	Bank protection work at Dakshin Mendabari area along the right bank of River Kaljani for a length of 630 m under Mendabari GP, Block + PS- Kalchini, Dist.- Alipurduar.	77.73	Erosion protection at Kalchini Block.	31.05.2020	completed	completed
21	Kaljani (Bitala To Alipurwar)	Bank protection work along the right bank of River Kaljani for a length of 380 m within the Mouza Sovaganj, Chapararpar-I GP, Block- Alipurduar-I PS+ Dist.- Alipurduar.	75.16	Erosion protection at Alipurduar -I Block.	31.05.2021	completed	completed
22	Rupnarayan (Kolaghat To Benapur)	Protection on the right bank of River Rupnarayan near Achaipur for a length of 1700.00 m at Block- Sahid Matangini, P.S - Tamluk & District -Purba Medinipur.	470.00	Erosion protection at Block- Sahid Matangini, P.S - Tamluk & District -Purba Medinipur.	31.12.2020	completed	completed



23	Rupnarayan (Kolaghat To Benapur)	Protection on the left bank of River Rupnarayan from Gadiara Bus stand to Atteswari for a length of 700m in Block Shyampur-I, P.S. Shyampur, District Howrah.	198.43	Erosion protection at Gadiara in Block Shyampur-I, P.S. Shyampur, District Howrah	31.12.2020	completed	completed
24	Rupnarayan (Kolaghat To Benapur)	Protection on the left bank of River Rupnarayan for a length of 600 m near Boys Sporting Club at Dakshin Bhatora in G.P. Bhatora, Block-Amta-II, District Howrah.	190.85	Erosion protection at Dakshin Bhatora in G.P. Bhatora, Block-Amta-II, District Howrah	31.12.2020	completed	completed
25	Rupnarayan (Kolaghat To Benapur)	Protection on the left bank of River Rupnarayanat Mankur to Degram for a length of 1.50 km in G.P. Buxihat, Block Bagnan-I, P.S. Bagnan, District Howrah.	437.83	Erosion protection at G.P. Buxihat, Block Bagnan-I, P.S. Bagnan, District Howrah.	28.02.2022	Completed	Completed
<b>Total =</b>			<b>7490.64</b>				

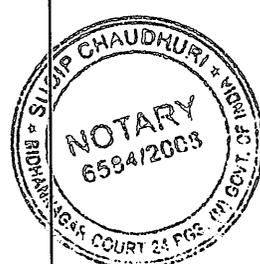
###Note : The total work as directed by the Hon'ble NGT have been subdivided into 4 phases due to existing encroachments, existence of houses and hutments, and discharge of untreated wastes in the river taking time for full removal/eviction by other Respondents. The first two reaches of protection work (1.28 km + 1.40 km) have been fully completed after removal of all bottlenecks. The 3rd phase of work (3.00 km) was administratively approved in January 2021 and as of now, work is near its completion.

It may be mentioned that the Hon'ble NGT directed during personal appearances of the Commissioner/SMC, SP, DMs for immediate removal of all unauthorized encroachments for implementation of 4th phase work within 31.03.2022. As per the direction of Hon'ble NGT on 16.08.2021 (SI-13 to 18), the administrative approval process was initiated DPR of the 4th phase of the reach was approved on 25.11.2021 by Irrigation & Waterways Department after getting concurrence from the State Finance Department. The scheme was firstly placed in the Departmental Screening Committee headed by Secretary in its meeting held on 20.7.2021 at an estimated cost of Rs 12.5 crore. As directed by the Departmental Screening Committee the Central Design Office of Irrigation & Waterways Department re-designed the protection work. The revised scheme then costs Rs. 8.88 crore. The scheme was placed again before the Technical Committee of Chief Engineer on 23.09.2021 and technically cleared in their 281st meeting held on 23.09.2021. The revised DPR was examined and cleared by the DSC on 5.10.2021. Finally the Administrative Approval the DPR of the 4th phase of the reach was accorded on 25.11.2021 by Irrigation & Waterways Department after getting concurrence from the State Finance Department on 23.11.2021.

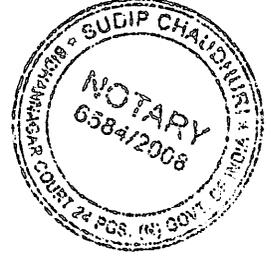
Then 1st call eNIT was invited on 27.11.2021 and the tender process was completed in 2nd call re-tender on 24.06.2022. The work has been commenced on and from 01.07.2022 and the target date of completion is 31.03.2023.

1) Copleted = 21 Nos.

2) Ongoing = 4 Nos.



Sd/-  
B. Mukhopadhyay  
Joint Secretary to the



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

Memo. No. 5612(2)-PRD-24023(11)/3/2021-Sanitation

Date: 09.09.2022

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

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

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

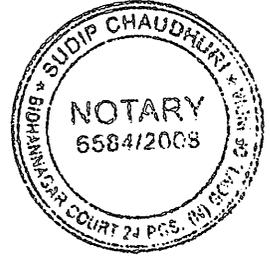
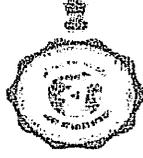
Sub: Report in the matter of Original application NO.10/2016/EZ before National Green Tribunal.

Sir,

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

Sl No.	River	Name of the Block	River Adjoining Gram Panchayat	Action taken	Proposals	
1.	MAHANANDA	Matigara	Matigara-I	3554 no. of Individual House Hold Latrine (IHHL), 02 nos Community Sanitary Complex constructed. IEC of single use plastic & plastic items has been taken up.	Plastic Waste Management Unit for Matigara Block, [ 05 nos Gram Panchayats to be covered ] included in 15 <sup>th</sup> FC(2022-23) and Soak Pit, Compost Pit, WSP is included in 15 <sup>th</sup> FC Plan of SMP (2022-23) under Swachha Bharat Mission. Combined SWM unit is under construction for Matigara I GP, Matigara II GP & Champasari GP at Matigara II GP..	
2.			Matigara-II	(6666) no. IHHL 03 nos, Community Sanitary Complex constructed, Matigara - II SWM Unit under construction. IEC of single use plastic & plastic items has been taken up.		
3.			Champasari	6781 no. IHHL, 04 nos. (Community Sanitary Complex constructed. IEC of single use plastic & plastic items has been taken up.		
4.		Phansidewa	Phansidewa B.K	6285 nos. IHHL, 07 nos Community Sanitary Complex constructed.		STP Plant for entire Siliguri Mahakuma Parishad area to be set up in Ghoshpukur Gram Panchayat of Phansidewa Block under 15 <sup>th</sup> F.C (2022-23) and Soak Pit, Compost Pit, WSP are included in 15 <sup>th</sup> FC Plan of SMP (2022-23), under Swachha Bharat Mission. New emerging IHHL constructed 716 nos..
5.			Chathat	6588 nos. IHHL, 02 nos Community Sanitary Complex constructed.		
6.			Jalash Nijamtara	9283 nos. IHHL, 04 nos Community Sanitary Complex constructed.		
7.			Bidhannagar -1	5917 nos. IHHL, 08 nos Community Sanitary Complex constructed.		

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



**GOVERNMENT OF WEST BENGAL**  
**OFFICE OF THE DISTRICT MAGISTRATE, DARJEELING**  
District Environment & Biodiversity Section  
*Email: [oc.environmentdarj@gmail.com](mailto:oc.environmentdarj@gmail.com)*

Memo No. 34/Env/NGT/2022.

Date: 22/08/2022

To

The Special Commissioner to the Govt. of West Bengal,  
Department of Urban Development and Municipal Affairs,  
Sector I, Salt Lake City, Kolkata - 64.

**Sub.: Submission of Status Report on Case No. OA10/2016/EZ prepared by the District Magistrate, Darjeeling in connection with compensatory amount.**

**Ref: O.A. 10/2016/EZ (Joydeep Mukherjee Vs UOI & Ors.).**

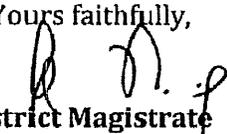
Sir/Madam,

In compliance to the solemn order dated 31/01/2022, with reference to the above mentioned case before the Hon'ble National Green Tribunal, Eastern Zone, Kolkata; attached herewith is present status report on action taken by various offices in issues related to river Mahananda for your kind perusal and taking necessary action.

Thanking you

**Enclosed: As stated above.**

Yours faithfully,

  
District Magistrate  
Darjeeling

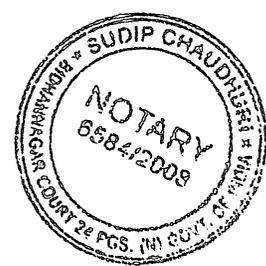
Memo No. 34/1(10)/Env/NGT/2022.

Date: 22/08/2022.

Copy forwarded for kind information to:

1. The Member Secretary, West Bengal Pollution Control Board.
2. The Addl. Chief Secretary, Dept of Environment, Government of West Bengal.
3. The Chief Executive Officer, SJDA.
4. The Commissioner, Siliguri Municipal Corporation.
5. The Sub-Divisional Officer, Siliguri.
6. Dr. Sahida P. Quazi, Scientist E, Integrated Regional Office, Kolkata MoEF&CC.
7. Shri Sandeep Roy, Scientist D, Central Pollution Control Board, Regional Directorate, Kolkata.
8. The Executive Engineer, Irrigation & Waterways Directorate, Siliguri.
9. The Law Officer, Darjeeling.
10. CA to Addl. District Magistrate, Darjeeling.

  
District Magistrate  
Darjeeling



**Status Report on Case No. O.A.10/2016/EZ (Before the National Green Tribunal Eastern Zone Kolkata) Joydeep Mukherjee – (Applicant) versus Union of India & Ors (Respondents) Order Dated: 31.01.2022.**

**Initiatives and Action Plan taken by the District Magistrate and Local Authorities:**

As per the Order dated 20/09/2021 para no. 18 stated *"The Chief Secretary, West Bengal may remain present in person by Video Conferencing on the next date along with action taken report. The State of West Bengal may deposit a sum of 2 Crores as interim compensation with the Collector of the District which may be utilized for restoration of water quality of the river."*

And,

as per the Order dated 31/01/2022 para no. 6 stated *"Although an amount of Rs. 2,00,00,000/- (Rupees Two Crore only) has been paid by the Siliguri Jalpaiguri Development Authority (SJDA) to the District Magistrate, Darjeeling for restoration of water quality of the rivers in the district, no action plan for implementation of the same has been submitted along with the affidavit of the Chief Secretary, Govt. of West Bengal. This needs to be carried out urgently."*

The following actions are taken up/proposed to be taken up for improving the water quality of river Mahananda:

**I. Schemes that are proposed under Rs. 2 Crore compensatory amount:**

**1. Installation of Iron Graters:**

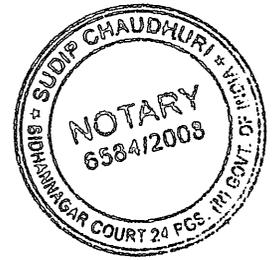
- SMC has identified 118 Nos. (37 nos. of major drain and 81 nos. of minor drains) of drains discharging into Mahananda river. Installation of iron graters works has been completed in all 118 drains.
- SMC has started installing Secondary Netting at 3m Gap to arrest the spill over of Garbage.

**2. Construction of public toilets in the areas adjacent to Mahananda river-bank:**

- SMC has completed repairing works of 11 (eleven) Community Toilets.
- Construction of twelve (12) new Community Toilets is ongoing in the vicinity of the Mahananda River which will be completed by December 2022 as reported by Siliguri Municipal Corporation.
- An amount of Rs. 45, 44,792-00 proposed to be utilized for this purpose from the compensatory amount.

**3. In-situ Bio-remediation:**

- In consultation with Dr. Sumon Konar, Associate Professor, JGEC, two locations viz. Naukaghat (option I) with cascading and another at near Surya Sen Park (option II) with Wheel Paddle Aerator has been proposed to carry out In-situ Bioremediation.
- Superintending Engineer (North Circle). M.E. Directorate has proposed and estimate for In-Situ Bio-remediation work at major drainage outfall point on the river Mahananda by aeration methodology for two numbers of pilot project test cases with an estimated amount **Rs.13,40,394.00**



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(Rs. 758471.00 + Rs. 581923.00) (Rupees thirteen lakh forty thousand three Hundred and ninety-four only) as reported by the SMC.

- SMC has instructed to do the work and Work order has already been given. Construction work ongoing and will completed by December 2022 as reported by SMC.

<b>Schemes are proposed under Rs. 2 Crore compensatory amount:</b>				
<b>Sl. No.</b>	<b>Schemes/Tasks</b>	<b>Implementing Agency(s)</b>	<b>Estimated Amount</b>	<b>Expected Deadline</b>
1	Installation of Iron Graters.	SMC	Rs. 20, 84,511.00	Completed
2	Construction of public toilets in the areas adjacent to Mahananda river-bank.	SMC	Rs. 45, 44,792-00	December 2022
3	Estimate for In-Situ for Bio-Remediation work for two numbers of pilot project test cases.	SMC/ME Dept. Siliguri Division	Rs.13,40,394.00	December 2022
<b>Total Estimated/Proposed Amount:</b>			<b>Rs. 79,69,697.00</b>	

Regarding rest of the amount, schemes will be taken up in due course based on the proposals that would be received from all the stakeholders after ascertaining the feasibility and suitability.

## **II. Other actions that are proposed to be taken by the stakeholders to reduce the pollution in Mahananda River from their own resources and departments' fund:**

### **1. Systematic Garbage removal and management:**

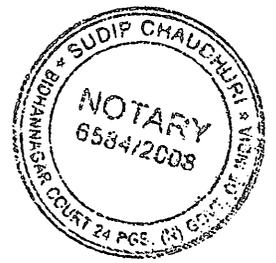
- SMC has formed Fifteen (15) Task Force Teams borough-wise for regular cleaning of drains having their discharge in Mahananda. The team is functioning borough wise round the clock with one electric rickshaw per team.

### **2. Mass awareness and preventive measures for bettering Water Quality:**

- Siliguri Municipal Corporation has installed awareness message boards by the side of Mahananda river bank.
- Miking to widespread awareness to avoid open defecation is being done regularly.
- SMC has done several IEC (information, Education and Communication) program to create awareness among citizens.
- SMC has engaged local Self-Help Group towards waste management after appointment of "NIRMAL SATHIS" by SUDA.

### **3. SUNYA Initiative in Siliguri Segregation Source & Segregated Transfer of solid Waste:**

- SMC has started collecting solid waste in a segregated manner from 24 wards out of 47 wards. By December 2022, source segregation will be scaled up to all 47 wards.



- Present arrangements for waste processing in Siliguri –
  - i. Sixty (60) tricycle vans with 8 Bins of 40 Litres capacity.
  - ii. Fourteen (14) battery operated tippers and 23 fuel operated tippers for transfer of segregated waste from wards to waste processing centres.

**4. Relocation of Cowsheds located along the river Mahananda:**

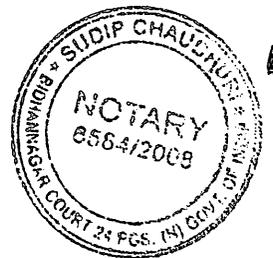
- SMC regularly clears cow dung from all the cowsheds in the vicinity of the Mahananda River.
- Notice has been issued to 60 (sixty) listed cattle shed owners to relocate their cattle-sheds away from the river Mahananda at the earliest. SMC has constantly pursuing the matter with the owners.

**5. Encroachment assessment and alternative rehabilitation arrangements:**

- Phase I demolition programme was held on 30/11/2021. SMC removed 43 (forty-three) numbers of encroachment. During the process, eight (08) numbers of additional structures were also demolished.
- Phase II of demolishing programme was notified on 09/04/2022 vide Memo No. 02/smc/Bldg/2022-23 of 04/04/2022. Encroachers has voluntarily removed 26 numbers of structures partially/completely on 16/04/2022 in presence of SMC, Irrigation and Waterways Department and local Councillors, Ward No. 44.
- Encroachers has voluntarily removed 19 numbers of structures partially in presence of SMC, Irrigation and Waterways Department at Ward No. 44. Irrigation Department have already completed 3<sup>rd</sup> Phase of river bank protection work will be completed by 30/08/2022.

**Date: 22/08/2022.**  
**Place: Darjeeling.**

  
District Magistrate  
Darjeeling



Annexure -2/4

Analysis Report of Grab / Waste Water / Solid Samples



**WEST BENGAL POLLUTION CONTROL BOARD**  
Siliguri Regional Laboratory  
'Paribesh Bhawan'  
Paribahan Nagar, P.O.-Matigara Darjeeling-734010  
Phone (0353) 2571113, 2571115 & Fax: (0353)-2571113

Analysis done at Siliguri Regional Laboratory, WBPCB.

Sample Collected by S.R.L., WBPCB			Office Code 08
Name of Source:		Surface water samples from Station 2525	
Address:		At Nougkaghat, Dist. Darjeeling	
Sl.	Sampling Details (Collection / Discharge)	Date	Collection Time
1.	Water sample from River Mahananda at Nougkaghat	10.06.2022	12:20 Hrs
2.	Water sample from River Mahananda at Nougkaghat	11.07.2022	13:20 Hrs
3.	Water sample from River Mahananda at Nougkaghat	16.08.2022	14:35 Hrs

Parameters	Unit	June 2022	July 2022	August 2022	Primary criteria for bathing
Temperature (° C) Air	° C	27	33	33	
Temperature (° C) Water	° C	24	29	27	
pH	Unit	6.96	6.87	7.18	6.50-8.50
EC (Conductivity)	µS/cm	216.40	179.60	161.10	
DO (Dissolved Oxygen)	mg/l	5.00	4.90	4.10	5 or more
BOD (Biochemical Oxygen Demand)	mg/l	7.00	8.00	6.00	3 or less
TSS (Total Suspended Solids)	mg/l	71.00	68.00	137.00	
COD (Chemical Oxygen Demand)	mg/l	23.92	19.76	18.72	
FS (Fecal Streptococci)	MPN/100ml	170	340	540	100 (desirable); 500 (Max. permissible)
FC (Fecal Coliform)	MPN/100ml	50000	80000	140000	500 (desirable); 2500 (Max. permissible)
TC (Total Coliform)	MPN/100ml	90000	170000	170000	

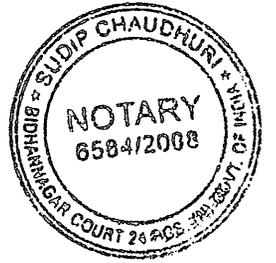
XXXXXXXXXXXXXXXXXXXX

(Environmental Analyst)

*Sudip Kumar*  
22/08/2022  
(Jr. Scientist & I/C)



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Analysis Report of Grab / Waste Water / Solid Samples



**WEST BENGAL POLLUTION CONTROL BOARD**  
Siliguri Regional Laboratory  
'Paribesh Bhawan'  
Paribahan Nagar, P.O.-Matigara Darjeeling-734010  
Phone (0353) 2571113, 2571115 & Fax: (0353)-2571113

Analysis done at Siliguri Regional Laboratory, WBPCB.

Sample Collected by S.R.L., WBPCB			Office Code08
Name of Source:		Surface water samples from Station 1946	
Address:		At Champasari, Dist. Darjeeling	
Sl.	Sampling Details (Collection / Discharge)	Date	Collection Time
1.	Water sample from River Mahananda at Champasari	10.06.2022	13:00 Hrs
2.	Water sample from River Mahananda at Champasari	11.07.2022	12:30 Hrs
2.	Water sample from River Mahananda at Champasari	16.08.2022	13:50 Hrs

Parameters	Unit	June 2022	July 2022	August 2022	Primary criteria for bathing
Temperature (°C) Air	°C	28	32	33	
Temperature (°C) Water	°C	25	29	27	
pH	Unit	6.98	6.79	7.10	6.50-8.50
EC (Conductivity)	µS/cm	185.40	152.20	138.90	
DO (Dissolved Oxygen)	mg/l	6.90	6.70	6.40	5 or more
BOD (Biochemical Oxygen Demand)	mg/l	1.80	1.50	0.90	3 or less
TSS (Total Suspended Solids)	mg/l	89.00	36.00	129.00	-
COD (Chemical Oxygen Demand)	mg/l	11.44	6.24	11.44	-
FS (Fecal Streptococci)	MPN/100ml	49	120	110	100 (desirable); 500 (Max. permissible)
FC (Fecal Coliform)	MPN/100ml	14000	17000	13000	500 (desirable); 2500 (Max. permissible)
TC (Total Coliform)	MPN/100ml	28000	35000	28000	-

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(Environmental Analyst)

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22/08/2022

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