

District Environment Plan for Cooch Behar West Bengal



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A. District Profile:

Location - North-Eastern part of West Bengal; bounded by the districts of Alipurduar in the north and Jalpaiguri in the north-west, state of Assam in the east (bounded by the districts of Kokrajhar & Dhubri in Assam) and the International Border in the form of Indo-Bangladesh boundary in the south-west, south and south-east. Beside this bounded area there are enclaves (called Chhits) which are outlying and detached tracts of land situated inside Bangladesh. There are 110 such Chhits.

Cooch Behar district lies between 25°57'47" & 26°36'20" North Latitude ; between 88°47'44" & 89°54'35" East Longitude. The District Headquarter lies between 26°19'86"N Latitude and 89°23'53"E Longitude.

The Area of the district is 3387 sq. KMs, which contributes 3.82% of the land mass of the State of West Bengal.

Cooch Behar is essentially a flat country with a slight south-eastern slope along which the main rivers of the district flow. Most of the high lands appertain to Sitalkuchi area and most of the low lands lie in Dinhata area. The soil is alluvial of very recent formation. It is mostly sandy and loose. The surface soil is loam and hardly any good clay is found.

In English the district is named as Cooch Behar, whereas in Bengali it is known/named as KochBihar (pronounced as Coach-Bihar), which means the and through which the "Koch" Kings used to travel or roam about ("bihar").

In course of time, Cooch Behar has been transformed from a kingdom to a State and from a State to the present status of a district. Before 28th August 1949, Cooch Behar was a Princely State ruled by the king of Cooch Behar, who had been a feudatory ruler under British Government. By an agreement dated 28th August, 1949 the king of Cooch Behar ceded full and extensive authority, jurisdiction and power of the state to the Dominion Government of India. The transfer of administration of the state to the Govt. of India came into force on 12th September, 1949. Eventually, Cooch Behar was transferred and merged with the province of West Bengal on 19th January, 1950 and from that date Cooch Behar emerged as a new District in the administrative map of West Bengal.

In fact, being the place of the Raj (monarchy), the district captures the bygone glorious past in the moods of local people even today. The peace loving people of Cooch Behar even boast of this beautiful city where the Maharajas (kings) used to stay and never tires, if not laments in excitement, narrating the Raj stories. It is obvious that anyone who has visited Cooch Behar City cannot keep sound in not appreciating this beautiful planned city with infrastructure quite similar to any modern planned city. Moreover, the place is so quiet & calm, void of the hassle-n-bustle of busy cities. And above that the climate here like the rest of North-Bengal is just fine to let you feel the freshness & beauty of nature all around.

District Administrative Set-up



The district comprises five subdivisions: Cooch Behar Sadar, Dinhata, Tufanganj, Mathabhanga and Mekhliganj. Cooch Behar Sadar is the district headquarters. There are 11 police stations, 12 community development blocks, 6 municipalities and 128 gram panchayats in this district.

Cooch Behar Sadar Subdivision

- Cooch Behar Municipality
- Cooch Behar-I block (Community development block) consists of rural areas with 15 Gram Panchayats.
- Cooch Behar-II block (Community development block) consists of rural areas with 13 Gram Panchayats.

Dinhata Subdivision

- Dinhata Municipality
- Dinhata-I block (Community development block) consists of rural areas with 16 Gram Panchayats
- Dinhata-II block (Community development block) consists of rural areas with 12 Gram Panchayats

Tufanganj Subdivision

- Tufanganj Municipality
- Tufanganj-I block (Community development block) consists of rural areas with 14 Gram Panchayats.
- Tufanganj-II block (Community development block) consists of rural areas with 11 Gram Panchayats.

Mathabhanga Subdivision

- Mathabhanga Municipality
- Mathabhanga-I block (Community development block) consists of rural areas with 10 Gram Panchayats.
- Mathabhanga-II block (Community development block) consists of rural areas with 10 Gram Panchayats.
- Sitalkuchi block (Community development block) consists of rural areas with 8 Gram Panchayats.

Mekhliganj Subdivision

- Mekhliganj Municipality
- Haldibari Municipality
- Mekhliganj block (Community development block) consists of rural areas with 8 Gram Panchayats.
- Haldibari block (Community development block) consists of rural areas with 6 Gram Panchayats.

c. Natural Resources

Water bodies: The district is full of rivers. The rivers flow in a slanting course from north-west to south-east. Six river systems cut through the district flowing in a south-easterly direction. From the west to east these are : the Teesta system, Jaldhaka system, Torsa, Kaljani, Raidak and Gadadhar system. Some notable rivers are : Dharla, Dudua, Gadadhar, Ghargharia, Jaldhaka, Kaljani, Mansai, Raidak – I, Raidak – II, Sankosh, Teesta and Torsa.

d. Geography and Demography

Cooch Behar is a district under the Jalpaiguri Division of the state of West Bengal. Cooch Behar is located in the northeastern part of the state and bounded by the district of Jalpaiguri and Alipurduar in the north, Dhubri and Kokrajhar district of Assam in the east and by Bangladesh in the west as well as in the south. The district forms part of the Himalayan Terai of West Bengal.

A geopolitical curiosity was that there were 92 Bangladeshi exclaves, with a total area of 47.7 km² in Cooch-Behar. Similarly, there were 106 Indian exclaves inside Bangladesh, with a total area of 69.5 km². These were part of the high stake card or chess games centuries ago between two regional kings, the Raja of Cooch Behar and the Maharaja of Rangpur.

Twenty-one of the Bangladeshi exclaves were within Indian exclaves, and three of the Indian exclaves were within Bangladeshi exclaves. The largest Indian exclave was Balapara Khagrabari which surrounded a Bangladeshi exclave, Upanchowki Bhajni, which itself surrounded an Indian exclave called Dahala Khagrabari, of less than one hectare. But all this has ended in the historic India-Bangladesh land agreement.

According to the 2011 census Cooch Behar district has a population of 2,819,086. This gives it a ranking of 136th in India (out of a total of 739). The district has a population density of 833 inhabitants per square kilometre (2,160/sq mi). Its population growth rate over the decade 2001–2011 was 13.86%. Cooch Bihar has a sex ratio of 942 females for every 1000 males, [15] and a literacy rate of 75.49%. With 50.1% of the population, Cooch Behar is the district with the highest proportion of Scheduled Castes in the country as per the 2011 census.

At the time of the 2011 census, 94.79% of the population spoke Bengali, 1.31% Rajbangshi and 1.17% Hindi as their first language.

e. Climate

Cooch Behar has a moderate climate characterized by heavy rainfall during the monsoons and slight rainfall from October to March. The city does not experience very high temperatures at any time of the year. The daily maximum temperature is 32.2 °C (90.0 °F) in August, the hottest month and the daily minimum temperature is 9.4 °C (48.9 °F) in January, the coldest month. The highest temperature in Cooch Behar was 41.0 °C, recorded on 11 September 1977; the lowest temperature recorded was 3.3 °C, reported on 28 January 1982. The atmosphere is highly humid. The rainy season lasts from June to September. The average annual rainfall in the city is 3,562 mm (140.2 in). The highest recorded temperature in Cooch Behar is 41 °C (106 °F). The lowest temperature recorded in Cooch Behar is –2 °C (28 °F).

1.0 Indicative Gap Analysis and Action Plans for complying with Waste Management Rules

(i) Solid Waste Management

Current status related to solid Waste management

Urban Local bodies		No of Wards	No of Households	Population	Solid Waste Generated per day (MT)
Municipal corporations					
Municipalities (Nagar Palika)	Cooch Behar	20	21471	89325	45.69
	Dinhata	16	13844	36124	17
	Haldibari	11	3405	16275	3.75
	Mathabhanga	12	7933	23895	9.79
	Mekliganj	9	3379	9123	4.77
	Tufanganj	12	5908	20998	14.25

Local Bodies	No of village panchayats / blocks	No of Households	Population	Solid Waste Generated per day
Cooch Behar-I block	149	NA	284564	NA
Cooch Behar-II block	111	79451	338803	238353 KG
Dinhata-I block	135	NA	254449	NA
Dinhata-II block	119	NA	205391	NA
Sitai block	53	NA	96335	NA
Mathabhanga-I block	102	NA	186683	NA
Mathabhanga-II block	93	NA	186683	NA
Sitalkuchi block	72	NA	163802	NA
Mekhliganj Block	154	37131	155247	NA
Haldibari block	62	NA	93836	NA
Tufanganj-I block	77	NA	222993	NA
Tufanganj-II block	55	NA	167428	NA

b. Identification of gaps and Action plan for all ULBs

Action points For villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan
1. Segregation				
Segregation of waste at source	Cooch Behar Municipality	Segregation of waste at source not started. Twin-Bins (Blue & Green) are being provided to every households. Segregation of waste at source will be started very soon.	Individual households	6 months to 1 year
	Dinhata Municipality	NA	NA	
	Tufanganj Municipality	100%	Individual At Own Sorce by ULB	
	Matbhanga Municipality	Shortage of man power & land. Started in 4 wards and rest wards will start soon.	ULBs, RWAs, institutions, individual	

	Haldibari Municipality	Blue and green color bulti is ready to distribute	households, UDMA	
	Mekhliganj Municipality	20%. Will be increased to 50% within 1 year.		
2. Sweeping				
Manual Sweeping	Cooch Behar Municipality	NA	Individual At Own Sorce by ULB	NA
	Dinhata Municipality	NA		NA
	Tufanganj Municipality	60%		1 Year
	Mathabhanga Municipality	Yes	NA	NA
	Haldibari Municipality	Already going on	NA	NA
	Mekhliganj Municipality	100%	NA	NA
Mechanical Road Sweeping & Collection	Cooch Behar Municipality	Mechanical Road Sweeping & Collection will be introduced with the availability of fund.	ULB/UDMA	1 year
	Dinhata Municipality	NA		
	Tufanganj Municipality	30%		
	Mathabhanga Municipality	NA		
	Mekhliganj Municipality	NOT YET DONE		
	Haldibari Municipality	NA		

3. Waste collection				
100% collection of solid waste	Cooch Behar Municipality	Presently 80% solid waste is being collected. 100% collection of solid waste will be made within one year.	Individual At Own Sorce by ULB	6months to 1 year
	Dinhata Municipality	NA		
	Tufanganj Municipality	Yes		
	Mathabhanga Municipality	NA		
	Mekhliganj Municipality	40% at present. Will be increased to 60% within 1 year		
	Haldibari Municipality	70%		
Arrangement for door to door collection	Cooch Behar Municipality	All households/ premises in the city are covered by door-to-door collection without segregation of wastes at source.	ULB	6months to 1 year
	Dinhata Municipality	NA		
	Tufanganj Municipality	Yes		
	Mathabhanga Municipality	82% (Shortage of manpower)		
	Haldibari Municipality	yet to be start		
Waste Collection trolleys with separate compartments	Cooch Behar Municipality	Waste Collection trolleys will be introduced with the availability of fund.	ULB,UDMA	6months to 1 year
	Dinhata Municipality	NA		
	Tufanganj Municipality	Yes		
	Mathabhanga Municipality	30 no. received from SUDA. Will be implemented shortly		
	Haldibari Municipality	Yes		
Mini Collection Trucks with separate compartments	Cooch Behar Municipality	Mini Collection Trucks will be introduced with the availability of fund.	ULB,UDMA	6 months to 1 year
	Dinhata Municipality	Nil		
	Mathabhanga Municipality	Nil		
	Tufanganj Municipality	Nil		
	Haldibari Municipality	Nil		
Waste Deposition centres (for domestic hazardous wastes)	Cooch Behar Municipality	Waste is directly transferred from generators premises to dumping site. Waste Deposition centres will be built for domestic hazardous wastes	ULB,UDMA	6 months to 1 year

		with the availability of fund		
	Dinhata Municipality	Nil		
	Tufanganj Municipality	Yes		
	Dinhata Municipality	Nil		
	Mathabhanga Municipality	Nil		
	Haldibari Municipality	Available		
	Mekhliganj Municipality	Nil		

4. Waste transport

Review existing infrastructure for waste Transport.	Cooch Behar Municipality	The process will be undertaken very soon.	ULB	6months to 1 year
	Dinhata Municipality	Nil	ULBs, RWAs, institutions, individual households, UDMA	
	Tufanganj Municipality	Nil		
	Mathabhanga Municipality	Tractor trolley 3 nos. Need more trolley		
	Haldibari Municipality	Nil		
	Mekhliganj Municipality	Nil		
Bulk Waste Trucks	Cooch Behar Municipality	Bulk Waste Trucks will be procured if fund is made available.	ULB, UDMA, District administration	6months to 1 year
	Dinhata Municipality	Nil		
	Tufanganj Municipality	Yes		
	Mathabhanga Municipality	2		
	Mekhliganj Municipality	NA		
	Haldibari Municipality	Available		
Waste Transfer points	Cooch Behar Municipality	Waste is directly transferred from generators premises to dumping site. Establishment of Intermediate Waste Transfer points is being considered	ULB	6months to 1 year
	Dinhata Municipality	Nil		
	Tufanganj Municipality	Yes		
	Mathabhanga Municipality	Nil		
	Mekhliganj Municipality	Nil		
	Haldibari Municipality	Nil		

5. Waste treatment and disposal

Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirements per Rules)	NA	NA	ULBs, UDMA, bulk generators	6months to 1 year
Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wet waste	Cooch Behar Municipality	Nil	ULBs, UDMA	6months to 1 year
	Dinhata Municipality	Nil		
	Tufanganj Municipality	Nil		
	Mathabhanga Municipality	Yes (scarcity of land for processing. Sent proposal for departmental land.		
	Mekhliganj Municipality	0.6 TPD wet waste compost. Will be increased to 0.8 TPD within 1 year		
	Haldibari Municipality	Nil		
Dry-Waste Management: Material Recovery for dry-waste fraction	Cooch Behar Municipality	Nil	ULB, SUDA, District administration	1 year
	Dinhata Municipality	Nil		
	Tufanganj Municipality	Nil		
	Mathabhanga Municipality	Yes (scarcity of land for processing. Proposal sent for departmental land.		
	Mekhliganj Municipality	0.2 TPD dry waste goes to Material Recovery Unit. Will be increased to		

		0.4 TPD within 1 year		
	Haldibari Municipality	Nil		
Disposal of inert and non - recyclable wastes: Sanitary Landfill	Cooch Behar Municipality	Sanitary Landfill site not available	ULB, SUDA	1 year
	Dinhata Municipality			
	Tufanganj Municipality			
	Mathabhanga Municipality			
	Mekhliganj Municipality			
	Haldibari Municipality			
Remediation of historic / legacy dumpsite	Cooch Behar Municipality	NA	ULBs, SUDA	1 year
	Dinhata Municipality	NA		
	Tufanganj Municipality	NA		
	Mathabhanga Municipality	Surveyed by KMDA engineers		
	Mekhliganj Municipality	NA		
	Haldibari Municipality	NA		
Involvement of NGOs	Cooch Behar Municipality	NA		
	Dinhata Municipality	NA		
	Tufanganj Municipality	NA		
	Mathabhanga Municipality	Yes (Engaged By SUDA named BITAN).	ULBs, SUDA, WBPCB	1 year
	Mekhliganj Municipality	NA		
	Haldibari Municipality	NA		
EPR of Producers: Linkage with Producers / Brand Owners	NA	NA	ULBs, UDMA	6 months to 1 year
Authorization of Waste Pickers	NA	NA	ULBs, UDMA	6 months to 1 year
Preparation of own by-laws to comply with SWM Rules 2016	NA	NA	ULBs, UDMA	1 year
(ii) Plastic waste Management	NA	NA	NA	NA

Current status related to Plastic Waste Management

Urban Local bodies		Estimated quantity of plastic waste per day (MT/day)
Municipal corporations (Nagar Nigam or Mahanagar Palika)	NA	NA
Municipalities (Nagar Palikas)	Cooch Behar Municipality	3 MT/Day. Trying to introduce complete ban on all plastic bags.
	Dinhata Municipality	NOT YET DONE
	Tufanganj Municipality	6.5
	Mathabhanga Municipality	0.049
	Haldibari Municipality	25 KG
	Mekhliganj Municipality	NOT YET DONE
Local bodies	Block /Taluk / Mandal Tehsils	Plastic Waste Generated per day
Block /Taluk / Mandal Tehsils	Cooch Behar Municipality	NA
	Dinhata Municipality	NA
	Tufanganj Municipality	6.5
	Mathabhanga Municipality	NA
	Haldibari Municipality	NA
	Mekhliganj Municipality	NA
Village/Gram Panchayats	NA	NA

Identification of gaps and Action plan:

Action points For villages / blocks/ town municipalities / City corporations	Identification of gap	Action plan	Agencies responsible	Target time for compliance
Door to Door collection of dry waste including PW	Cooch Behar Municipality	Without segregation of wastes at source. Twin-Bins (Blue & Green) are being provided to every households. Segregation of waste at source will be started very soon.	ULBs, RWAs, institutions, individual households, UDMA	6months to 1 year
	Dinhata Municipality	NA		
	Tufanganj Municipality	Yes		
	Mathabhanga Municipality	NA		
	Haldibari Municipality	Ready to start. Blue & Green built & tipper is ready		
Mekhliganj Municipality	Not Yet Done			
Facilitate organized collection of PW at Waste transfer point or Material Recovery Facility	NA	NA	ULBs, UDMA	1 year
PW collection Centres	Cooch Behar Municipality	NA	Individual At Own Sorce by ULB	6months to 1 year
	Dinhata Municipality	NA		
	Tufanganj Municipality	Yes		
	Mathabhanga Municipality	NA		
	Mekhliganj Municipality	NA		
Awareness and education programs implementation	Cooch Behar Municipality	NA	Individual At Own Sorce by ULB	1 year
	Dinhata Municipality	NA		
	Tufanganj Municipality	Yes		
	Mathabhanga Municipality	NA		
	Mekhliganj Municipality	NA		
Haldibari Municipality	Meeting and Awareness camp held several time at several points			
Access to Plastic Waste Disposal Facilities	NA	NA	ULBs	6months to 1 year

(iii) C & D Waste Management

a. Current status related to C & D Waste

Total C & D waste generation in MT per day (As per data from Municipal Corporations / Municipalities)	NA
Does the District has access to C&D waste recycling facility?	NA

Identification of gaps and Action plan:

Action points For villages / blocks/ town municipalities / City corporations	Identification of gap	Action plan	Responsible agencies	Timeline for completion of action plan
Arrangement for separate collection of C&D waste to C&D waste deposition point.	Separate collection of C&D waste is not being done yet.	The introduction of the process is under consideration.	ULB, UDMA	6 months to 1 year
Arrangement for separate collection of C&D waste to C&D waste deposition point.	NA	NA	ULB, UDMA	6 months to 1 year
Whether local authority have fixed user fee on C&D waste and introduced permission system for bulk waste generators who generate more than 20 tons or more in one day or 300 tons per project in a month?	NA	NA	ULB, UDMA	6 months to 1 year
C&D recycling Facility	Cooch Behar Municipality	NA	Individual At Own Source by ULB	6 months to 1 year
	Dinhata Municipality	NA		
	Tufanganj Municipality	Yes		
	Mathabhanga Municipality	NA		
	Mekhliganj Municipality	NA		
	Haldibari Municipality	NA		
Usage of recycled C&D waste in nonstructural concrete, paving blocks, lower layers of road pavements, colony and rural roads	Cooch Behar Municipality	NA	Individual At Own Source by ULB	6 months to 1 year
	Dinhata Municipality	NA		
	Tufanganj Municipality	Yes		
	Mathabhanga Municipality	NA		
	Mekhliganj Municipality	NA		
	Haldibari Municipality	NA		
ICE on C & D waste management	Cooch Behar Municipality	NA	Individual At Own Source by ULB	6 months to 1 year
	Dinhata Municipality	NA		
	Tufanganj Municipality	Yes		
	Mathabhanga Municipality	NA		
	Mekhliganj Municipality	NA		
	Haldibari Municipality	NA		

(iv) Biomedical Waste Management

Inventory of BMW in the District	Municipality/Block	Quantity
Total no. of Bedded Healthcare Facilities	73	NA
Total no. of non-bedded HCF	145	NA
No. of HCFs authorised by SPCBs/PCCs	NA	NA
No of Common Biomedical Waste Treatment and Disposal Facilities (CBWTFs)	NA	NA
Capacity of CBWTFs	NA	NA
No. of Deep burials for BMW if any	Tufanganj Municipality	Quantity of biomedical waste generated Kg/annum: 445142.22
Quantity of biomedical waste generated Kg/day	NA	
Quantity of biomedical waste generated Kg/day	Tufanganj Municipality	NA
Quantity of biomedical waste treated per day (Kg)	1196.16	

b. Identification of gaps and Action plan:

Action points For villages / blocks/ town municipalities / City corporations	Gaps	Action plan	Responsible agencies	Timeline for completion of action plan
Inventory and Identification of Healthcare Facilities	NA	NA	ULB, UDMA	6 months to 1 year
Adequacy of facilities to treat biomedical waste	NA	NA	NA	NA
Tracking of BMW	NA	NA	NA	NA
Awareness and education of healthcare staff	NA	NA	ULBs, SUDA and WBPCB	1 year
Awareness and education of healthcare staff	NA	Camps for awareness and education of healthcare staff are frequently organized.	ULBs, SUDA and WBPCB	1 year
Adequacy of funds	NA	NA	NA	NA
Compliance to Rules by HCFs and CBWTFs	NA	NA	NA	NA
District Level Monitoring Committee	NA	NA	NA	NA
Wastewater treatment	NA	NA	WBPCB	6 months to 1 year

(v) Hazardous Waste Management**a. Current Status related to Hazardous Waste Management**

Details of Data Requirement		Present Status
No of Industries generating HW		1
Quantity of HW in the district	Quantity of incinerable (MT/annum)	0
	Quantity of land-fillable (MT/annum)	0.12
	Quantity of recyclable/utilisable (MT/annum)	0
Quantity of HW in the district (Tufanganj Municipality)	Quantity of incinerable (MT/annum)	2.65
	Quantity of land-fillable (MT/annum)	0.12
	Quantity of recyclable/utilisable (MT/annum)	0.42
No of captive/common TSDF		NA
Contaminated Sites or probable contaminated sites		NA

b. Identification of Gaps and Action plan

Action points	Identification of gap	Action plan	Responsible agencies	Timeline for completion of action plan
Regulation of industries and facilities generating Hazardous Waste	NA	NA	NA	NA
Establishment of collection centres	NA	Will be started very soon	Individual At Own Sorce by ULB	1 year
Training of workers involved in handling / recycling / disposal of HW	NA	Will be started very soon	Individual At Own Sorce by ULB	1 year
Availability / Linkage with common TSDF or disposal facility	NA	NA	NA	NA
Contaminated Sites	NA	NA	NA	NA

(vi) E-Waste Management**a. Current Status related to E-Waste Management**

Details of Data Requirement	Present Status
Inventory of E-Waste in MT/year	NA
Collection centers established by ULBs in the District	NA
Collection centers established by Producers or their PROs	NA
No authorized E-Waste recyclers / Dismantler	NA

b. Identification of gaps and action plan:

Action points	Identification of gap	Action plan	Responsible agencies	Timeline for completion of action plan
Inventory / Generation of E-Waste / Bulk-waste generators	NA	NA	ULBs, UDMA, bulk generators	6months to 1 year
E-Waste collection points	NA	NA	NA	NA
Linkage among Stakeholders to channelize E-Waste	NA	NA	NA	NA
Regulation of Illegal EWaste recycling / dismantling	NA	NA	NA	NA
Integration of informal sector	NA	NA	ULBs, UDMA	6 months to 1 year
Awareness and Education	NA	NA	ULBs, SUDA and WBPCB	1 year

Air Quality Management**Current Status related to Air Quality Management**

Details of data requirement	Present status	
Number of Automatic Air Quality monitoring stations in the district.	Operated by SPCB / State Govt / Central govt./ PSU agency	0
	Operated by Industry:	
Number of manual monitoring stations operated by SPCBs		2
Name of towns / cities which are failing to comply with national ambient air quality stations		NA
No of air pollution industries		NA
Prominent air polluting sources		Small Industry / Brick Kiln/ Unpaved Roads/ Rice Mill, Vehicular pollution

Identification of gaps and action plan:

Action points	Indicative Action Plan	Responsible agencies	Timeline for completion of action plan
Identification of prominent air polluting sources?	NA	WBPCB, Environment Department, ULBs, Transport, UDMA CPCB	6 months to 1 year
Ambient Air quality data?	NA	NA	NA
Setting up of Continuous Ambient Air Quality Monitoring Station	NA	NA	NA
District Level Action Plan for Air Pollution	NA	NA	NA
Hotspots of air pollution in District	NA	NA	NA
Awareness on Air Quality	NA	NA	NA

4. Water Quality Management**a. Current Status related to Water Quality Management**

Rivers (Name and length of each river in Km)	NA
Length of Coastline (if any)	NA
Nalas/ Drains/Creeks meeting Rivers	NA
Lakes / Ponds (No and Area in Ha)	No. of Lakes/Ponds-62306 Nos. Area of Lakes/Ponds-7708 ha
Total Quantity of sewage from towns and cities in District	NA
Quantity of industrial wastewater	NA
Percentage of untreated sewage	NA
Details of bore wells and number of permissions given for extraction of groundwater	NA
Groundwater polluted areas if any	NA
Polluted river stretches if any (Km)	NA

b. Identification of gaps and action plan for water quality monitoring:

Action points	Gaps and action plan	Responsible agency	Timeline for completion of action plan
Inventory of water bodies	NA	NA	ULBs, UDMA, WRRID, WBPCB, Public Health Engineering Department (PHED), Central Groundwater Board (CGWB), Irrigation and Waterways Department (IWD), District Administration, UD&MA, P&RDD
Quality of water bodies in district	NA	NA	ULB, WBPCB, I&WD
Hotspots of water contamination	NA	NA	
Protection of river / lake water front	NA	NA	ULB, WBPCB, P&RDD, PHED, UD&MA
Protection of river / lake water front	Yes	Individual At Own Sorce by ULB	1 years
Inventory of sources of water pollution	NA	NA	ULBs, UD&MA, Fisheries, WBPCB, Public Health Engineering Department (PHED), Central Groundwater Board (CGWB), Irrigation and Waterways Department (IWD), District Administration, WB-DST, P&RDD
Oil spill disaster management (for coastal districts)	NA	NA	
Protection of flood plains	NA	NA	ULBs, UD&MA, IWD, West Bengal Wasteland Development Corporation Ltd., West Bengal Forest Department and West Bengal Forest and Biodiversity Conservation Society,
Rejuvenation of groundwater	A. Monsoon Season i. Recharge from rainfall- 185334.09 ham ii. Recharge from other sources - 60379.13 ham B. Non Monsoon Season: i. Recharge from rainfall- 5143.37 ham ii. Recharge from other sources- 12100.71 ham C. Total Annual water Recharge – 262957.30 ham (as per GEC,2013 , CGWB) D. Total nos of Rechargeable/equivalent Ponds: 264 nos (As per Agri- Mech Deptt, Coochbehar upto 2017-18)	SWID	ULB, SWID, CGWB,
Complaints redressal system	NA	NA	NA

Domestic Sewage

Identification of gaps and action plan for treatment of domestic sewage

No of Class-II towns and above	NA
No of Class-I towns and above	NA
No of Towns STPs installed	NA
No of Towns needing STPs	6
No of ULBs having partial underground sewerage network	NA
No of towns not having sewerage network	NA
Total Quantity of Sewage generated in District from Class II cities and above (MLD)	NA
Quantity of treated sewage flowing into Rivers (directly or indirectly)	NA
Quantity of untreated or partially treated sewage (directly or indirectly)	NA
Quantity of sewage flowing into lakes	NA
Total available Treatment Capacity	NA

Identification of gaps and action plan for treatment of domestic sewage:

Action points	Gaps and action plan	Responsible agency	Timeline for completion of action plan
Sewage Treatment Plants (STPs)	NA	ULBs, UDMA, WBHBCL (West Bengal Housing Board Corporation Ltd), PWD, SEIAA	6 months- 1 year
Underground sewerage network	NA	ULBs, UDMA, WBHBCL (West Bengal Housing Board Corporation Ltd), PWD, SEIAA	6 months- 1 year

Industrial Wastewater Management**Current Status related to Industrial Wastewater Management**

Number of Red, Orange, Green and White industries in the District (DIC)	1358
No of Industries discharging wastewater	74
Total Quantity of industrial wastewater generated (MLD)	1.56
Quantity of treated industrial wastewater discharged into Nalas / Rivers (DIC)	0.84
Common Effluent Treatment Facilities (DIC)	9
No of Industries meeting Standards	NA
No of Industries not meeting discharge Standards	NA
Quantity of untreated industrial wastewater discharged into water bodies (MLD)	0.72

Identification of gaps and action plan for industrial wastewater:

Action points	Gaps and action plan	Responsible agency	Timeline for completion of action plan
Compliance to discharge norms by Industries	NA	WBPCB	6months to 1 year
Complaint redressal system	NA	NA	NA

Mining Activity Management plan**Current Status related to Mining Activity Management**

Type of Mining Activity	Sand
No of licenced Mining operations in the District	8
% Area covered under mining in the District	N.A.
Area of Sand Mining (sq Km)	0.272 Sq Km
Area of sand Mining (River bed/estuary/non river deposit)	0.272 Sq Km

Identification of gaps and action plan:

Action points	Gaps and action plan	Responsible agency	Timeline for completion of action plan
Monitoring of Mining activity	All the Mining Blocks are operating with EC	BL&LRO/ SDL&LROs	Regular
Inventory of illegal mining if any mining	Frequent raids are conducted by the SDL&LROs and BL&LROs	BL&LRO/SDL&LROs	Regular and Continuous.
Environment compliance by Mining industry	All the Mining Blocks in the District are operating with Environmental Clearence	SEIA Authority and DL&LRO	N.A.

Noise Pollution Management Plan

Current Status related to Noise Pollution Management

No. of noise measuring devices available with various agencies in district	15 (Cooch Behar District police)
No. of noise measuring devices with district administration	NA
No. of noise measuring devices with SPCBs	NA

Identification of gaps and action plan:

Action points	Gaps and action plan	Responsible agency	Timeline for completion of action plan
Availability of Sound/Noise Level Meters.	NA	WBPCB, Districts Administration	6 months - 1 year
Ambient Noise Level monitoring.	NA	WBPCB, ULB, Districts Administration	6 months- 1 year
Signboards in Noise zones	NA	Traffic Police and Transport Department	6 months- 1 year
Complaint redressing system	NA	NA	NA



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