

(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	Ashokenagar-Kalyangarh	23	32336	135592	78.4
Municipalities(Nagar Palika)	Baduria	17	12065	52493	13.62
	Baranagar	34	84600	292637	150
	Barasat	35	109874	278435	130
	Barrackpore	24	37656	152783	50
	Basirhat	23	43996	153984	35
	Bhatpara	35	163428	480523	205
	BMC	41	153661	634106	400
	Bongaon	22	29680	119340	65
	Dum Dum	22	27702	114786	62.1
	Garulia	21	18122	85336	35
	Gayeshpur	NA	NA	NA	NA
	Gobardanga	17	12615	45377	16
	Habra	24	36016	147221	72
	Halisahar	23	33613	124939	52
	Kamarhati	35	80000	331163	150
	Kanchrapara	24	27976	129576	56.71
	Khardah	22	26000	108496	64.5
	Madhyamgram	28	70000	240000	82
	Naihati	31	36447	217900	165
	New Barrackpore	20	16725	76846	29.06
	North Barrackpore	23	32564	132806	59.7
	North Dum Dum	34	64471	249142	150
Panihati	35	94000	469000	196	
South Dum Dum	35	103741	403316	578	
Taki	16	8919	38263	83.63	
Titagarh	23	23869	116520	65	
Nagar Panchayats(Town area councils)					

Local Bodies	No of village panchayats/blocks	No of Households	Population	Solid Waste Generated per day
Amdanga	81	48463	218080	NA
Baduria	97	78600	302150	1.965 MT
Bagda	106	57502	242974	NA
Barasat-I	70	67898	294628	NA
Barasat-II	76	41939	200918	NA
Barrackpore-I	38	46601	194333	NA
Barrackpore-II	15	52525	217171	NA
Basirhat-I	59	38033	171613	NA
Basirhat-II	66	51806	226130	NA
Bongaon	149	90774	380903	NA
Deganga	107	75544	369772	NA

Gaighata	100	79503	330287	NA
Habra-I	55	54120	225200	NA
Habra-II	97	42095	198031	NA
Haroa	110	46840	286317	NA
Hasnabad	73	47739	2032662	NA
Hingaljanj	46	41354	192814	NA
Minakhan	73	43756	199084	NA
Rajarhat	36	42913	189893	NA
Sandeshkhali-I	30	37344	164465	NA
Sandeshkhali-II	24	37771	160976	NA
Swarupnagar	65	61611	256075	NA
Village/Gram Panchayats	NA	NA	NA	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	Distribution of bins to all households	At present two types of bin i.e. is Blue bin and Green bin for biodegradable and non-biodegradable and Black bags for Hazardous waste are essential. Also awareness programme, incentives etc may be considered.	ULBs, RWAs, institutions, individual households, UDMA, GP & Panchayet Samiti	6months to 1 year
2. Sweeping				
Manual Sweeping	Street & Market sweeping with brooms	Manually	ULB, GP & Panchayet Samiti	6months to 1 year
Mechanical Road Sweeping & Collection	Mechanical instruments	Instrument for mechanical sweeping and collection for tri-cycle . Also projected growth / intended action plan with timelines.	ULB, UDMA, SUDA, GP & Panchayet Samiti	Depend on responsible agencies

3. Waste collection

100% collection of solid waste	Lack of vehicles	At present tri-cycle with man power are collecting household waste. More tri-cycle and man power are needed.	ULBs, RWAs, institutions, individual households, UDMA, GP & Panchayet Samiti	6months to 1 year
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Arrangement for door to door collection	Vehicles and man power	Sufficient vehicles and man power arrangements are to be taken. If there is gap, action plan for door to door collection across the district.	ULBs, RWAs, institutions, individual households, UDMA, GP & Panchayet Samiti	6months to 1 year
Waste Collection trolleys with separate compartments	separate compartments with check availability & adequacy and if its needs upgradation.	Some vehicles have separate compartments and rests are under consideration. Action plan for procurement if required.	ULB,UDMA, GP & Panchayet Samiti	6months to 1 year
Mini Collection Trucks with separate compartments	Separate compartments in mini trucks	It is under process	ULB,UDMA, GP & Panchayet Samiti	6months to 1 year
Waste Deposition centres (for domestic hazardous wastes)	Hazardous wastes	Plan for seperately deposition Household hazardous wastes in one place dumpsite.	ULB,UDMA, GP & Panchayet Samiti	6months to 1 year

4. Waste transport

Review existing infrastructure for waste Transport.	Waste Transport	Existing SWM Transportation needs triping trucks. Refuse collector tractor , trollers and other vehicles.	ULBs, RWAs, institutions, individual households, UDMA, GP &	6months to 1 year
Bulk Waste Trucks	Identification of bulk waste	Preparation of collecting waste from markets and Bulk waste is lifted informally by roadside waste pickers.	ULB, UDMA, District administration, GP & Panchayet Samiti	6months to 1 year
Waste Transfer points	Yes to start	Yes to start	ULB, UDMA, District administration, GP & Panchayet Samiti	6months to 1 year

5. Waste treatment and disposal

Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement a s per Rules)	Whether number of bulk waste generators identified for installation	Action for getting onsite composting plants commissioned	ULBs, UDMA, bulk generators, GP & Panchayet Samiti	6months to 1 year
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Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wets waste	Whether facility exists / functional / needs upgradation	If not action plan for developing / upgradation of bio-methanation or composting facility.	ULBs,UDMA, GP	6months to 1 year
Dry-Waste Management: Material Recovery for dry-waste fraction	Dry-Waste	Action plan for use of dry segregated waste in MRF operation	ULB,SUDA, District administration, GP	1 year
Disposal of inert and nonrecyclable wastes: Sanitary Landfill	Inert	Used for land filling	ULB,SUDA, GP	1 year
Remediation of historic / legacy dumpsite	Legacy Dumpsite	Committing to environmental remediation and protection. Also KMDA has initiated a project at municipal disposal site.	ULBs,SUDA, GP	1 year
Involvement of NGOs	Whether involvement of NGO's envisaged	NGO's can be involved for management of solid waste campaign.	ULBs, SUDA,WBPCB, GP	1 year
EPR of Producers: Linkage with Producers / Brand Owners	As per rules, producers & brand owners should facilitate in connection of packaging waste.	Action plan for linkage of all producers / brand owners or their PROs for collection of plastic waste	ULBs,UDMA, GP	6 months to 1 year
Authorisation of Waste Pickers	Ragpicker	20 nos identified	ULBs,UDMA, GP	6 months to 1 year
Preparation of own by-laws to comply with SWM Rules 2016	Yes	Yes	ULBs,UDMA	1 year
(ii) Plastic waste Management	85%	Ragpickers are segregating waste informally from secondary collection point.	ULBs,UDMA, GP & Panchayet Samiti	2024
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)	Kolkata	NA
Municipalities (Nagar Palikas)	NA	Data not readily available as substantial quantity of plastic waste is recycled through informal recycling units before coming into municipal and disposal collection system.
Nagar panchayats (Town area Councils)	NA	NA

	Plastic Waste Generated per day
Local bodies	
Block /Taluk / Mandal Tehsils	
Village/Gram Panchayats	

Identification of gaps and Action plan:

Action points For villages / blocks/ town municipalities / City corporations	Identification of gap	Action plan	Agencies responsible	Taget time for compliance
Door to Door collection of dry waste including PW	Dry waste	Collected dry wastes are deposited in one liess by the side of dampsite	ULBs, RWAs, institutions, individual households, UDMA, GP & Panchayet Samiti	6months to 1 year

Facilitate organised collection of PW at Waste transfer point or Material Recovery Facility	<p>This infrastructure is linked to Sw management. May check gaps with respect to:</p> <ul style="list-style-type: none"> ●Availability of transfer points and material recovery facility. ●Involment of informal Sector/NGO. ●Registering waste pickers. ●Linkage with PW recycles. ●Involment of producers and brand owners 	Within the district outline Specific plans for each village Panchayet / Block / Municipality / Nagar Panchayet / Corporations for plastic waste collection.	ULBs, UDMA, GP & Panchayet Samiti	1 year
PW collection Centres	Local Bodies may setup own centres and also involve producers and brand owners or their PRO's to facilitate setting up of collection centres.	Plastic waste collection centre should be established in adequte members. Coordination with state lirban department may be necessary.	ULBs, UDMA, GP & Panchayet Samiti	6months to 1 year
Awareness and education programs implementation	Review existing gaps in creating awareness among public for minimising and recycling PW	Education through man media, schools, producer / brand owner campaigns and other channels	ULBs, SUDA, GP and WBPCB. Also BITAN (Micro plainning organisation)	1 year

Access to Plastic Waste Disposal Facilities	District has access to PW recycling utilization or disposal facilities.	PW recycling facilities available at reasonable distance; channel for sending PW collected to cement plants for processing; Availability of waste plastic oil producing facilities; Linkage with PWD for usage PW in road making. Action plan at district should involve urban and rural local bodies.	ULBs & Blocks	6months to 1 year
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(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)	It is under the Municipal authority to prepare policy on C & D waste
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.	Cheeu gaps W.r.t. <ul style="list-style-type: none"> ●Separate collection point of C & D waste ●Identification of common C&D waste deposition Points. 	Action plan for every local body in district. District identify common C & D waste deposition points.	ULB, UDMA, GP	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?	user free	ULB is contemplating for fixing user fee one C & D waste and permission system.	ULB, UDMA, SUDA	6 months to 1 year
C&D recycling Facility	100%	C & D waste is collected separately in an informal way as private concern / agency / general public arrange dumper to lift C & D waste	ULB, UDMA & Block	6 months to 1 year
Usage of recycled C&D waste in nonstructural concrete, paving blocks, lower layers of road pavements, colony and rural roads	100%	C & D waste is collected separately in an informal way as private concern / agency / general public arrange dumper to lift C & D waste	ULB, UDMA & Block	6 months to 1 year
ICE on C & D waste management	ICE	It is done off and on.	ULBs, SUDA and WBPCB	6 months to 1 year
(iv) Biomedical Waste Management				
Inventory of BMW in the District	Quantity			
Total no. of Bedded Healthcare Facilities	291			
Total no. of non-bedded HCF	404			
No. of HCFs authorised by SPCBs/PCCs	NA			

No of Common Biomedical Waste Treatment and Disposal Facilities (CBWTFs)	NA			
Capacity of CBWTFs	NA			
No. of Deep burials for BMW if any	NA		Quantity of biomedical waste generated Kg/annum	
Quantity of biomedical waste generated per day	NA		1659518.8	
Quantity of biomedical waste treated per day	3818.38			

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	Check whether all HCFs including clinice, Hospitals, veterinary hospitals, Aayush hospital, Animal houses etc generating bio medical waste area idendified and authorized by SPBs / PCCs	Action plan for completing / updateing of inventory and authorization of HCFs by SPCB / PCCs	ULB, UDMA & GP	6 months to 1 year

Adequacy of facilities to treat biomedical waste	Check if there is any gap between quantity of bio medical waste generated per day and quantity of bio medical waste treated and disposed in the district	Action plan for setting up CBWTF or providing acces to CBWTF with 75 KM from places waste generation including identification of site for setting up such facilities.	NA	NA
Tracking of BMW	Whether bar code sytem is implemented by all HCFs & CBWTFs	Plan for implementation of bar code system by all HCFs & CBWTFs in the district	Medical Environmental Management Pvt. Ltd., Kalyani Nadia	NA
Awareness and education of healthcare staff	Training has been organised for all stakeholders	Action plan for awareness programes and training to health care staffs and ULB officials.	ULBs, SUDA, Block and WBPCB	1 year
Adequacy of funds	It is allocated to Govt. Healthcare facilities for bio-medical waste management by state Govt.	For ensuring adequate funds to Govt. Healthcare facilities for bio-medical waste management by state Govt.	Medical Environmental Management Pvt. Ltd., Kalyani Nadia	NA
Compliance to Rules by HCFs and CBWTFs	District level mechanism to monitor compliance by Hospitals / HCFS	Draw action plan to monitor compliance of MCFs and CBWTFs through SPCBs/PCCs.	Medical Environmental Management Pvt. Ltd., Kalyani Nadia	NA
District Level Monitoring Committee	It has been constitute & meetings are being organised.	Periodicity of review & follow up by DLMC.	NA	NA
Wastewater treatment	HCFs are required to install ETPs for waste water generated.	Action plan for installation of ETPs.	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	46

Quantity of HW in the district	Quantity of incinerable (MT/annum)	193.63
	quantity of land-fillable (MT/annum)	9560.5
	quantity of recyclable/utilisable (MT/annum)	6379.6
No of captive/common TSDF		NA
Contaminated Sites or probable		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	Check whether all hazardous waste industries are identified and authorised by SPCBs/PCCs.	SPCB/PCC should ensure that all hazardous waste industries are authorised and a system of safe disposal is in place.	NA	NA
Establishment of collection centres	District has collection centres for hazardous wastes with linkage to common TSDFs/recyclers.	Local authority should ensure that adequate number of collection centres should be established and are linked to common TSDFs.	NA	NA
Training of workers involved in handling / recycling / disposal of HW	Identify facilities/Industries engaged in recycling/Pre-Processing/disposal of hazardous waste in the district.	Action plan to train the workers on safety aspects through department of Industries and Pollution Board.	ULBs, WBPCB, Block & UD&MA	1 year
Availability / Linkage with common TSDF or disposal facility	Check if the generators of HW have access to common TSDF in the State.	Action plan to ensure all generator were linked to TSDF/Action plan in case the rein no TSDF in the district or State in such case evaluate existing stronge and captive disposal facilities through SPCBs/PCCs.	NA	NA

Contaminated Sites	Are the ready sites where soils/sediments/g round water contaminated due to dumping of industrial wastes.	Action plan for identification of probable contaminated site, incidents of HW dumping, responsible parties for contamination and to remediate contaminated sites.	NA	NA
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(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	2 Ton
Collection centers established by ULBs in the District	No such policy is in this regards.
Collection centers established by Producers or their PROs	DO
No authorized E-Waste recyclers / Dismantler	DO

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	E-waste	Under process	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	Awareness	IEC materials are being and used arrangement of workshop and awareness campaigns through producers/PROs	ULBs, SUDA and WBPCB	1 year
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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	NIL
	Operated by Industry:	
Number of manual monitoring stations operated by SPCBs	5 Nos.	
	<ol style="list-style-type: none"> 1. Barasat Municipality 2. Barrackpore Municipality 3. Dum Dum Municipality 4. Khardah Municipality 5. Madhyamgram Municipality 	
Name of towns / cities which are failing to comply with national ambient air quality stations	Barasat, Barrackpore, Dum Dum, Khardah, Madhyamgram	
No of air pollution industries	Iron and Steel Industries, Food Industries, Jute Mills, Rice Mills, Metal Processing	
Prominent air polluting sources (Large Industry)/(Small Industry)/(Unpaved Roads)/(Burning of Waste Stubble)/(Brick kiln)/(Industrial Estate)/(Others) (Multiple selection)	<p>1. Industries with major emission potential :</p> <ul style="list-style-type: none"> * Iron and Steel Industries * Food Industries * Jute Mills * Rice Mills * Metal Processing 2. <p>3. Vehicular emission</p> <p>Other potential emission sources like:</p> <ul style="list-style-type: none"> * Brick Fields * Fungitive emission from Construction sector * Garbage & Leaf burning * Stubble Burning 	

Identification of gaps and action plan:

Action points	Indicative Action Plan	Responsible agencies	Timeline for completion of action plan
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<p>Identification of prominent air polluting sources?</p>	<p>District level Inventory has been done and the summary of emission sources is provided in the DEP as in Table 2. Further detail area wise inventory of air pollution sources shall be carried out. Identification of hotspots or areas of concern to Air pollution shall be done in association with State Pollution Control Boards (SPCBs).</p>	<p>District Authorities/West Bengal Pollution Control Board (WBPCB)</p>	<p>6 months</p>
<p>Ambient Air quality data?</p>	<p>This data can be easily accessible in https://www.wbpcb.gov.in/ or http://emis.wbpcb.gov.in/airquality/citizenreport.do link. District-wise Air Quality National Air Monitoring Programme data is provided in Table 1. (recorded in 2019; latest pre-Covid19 year)</p>	<p>West Bengal Pollution Control Board (WBPCB)</p>	<p>NA</p>

<p>Setting up of Continuous Ambient Air Quality Monitoring Station</p>	<p>Ambient Air Quality Monitoring Station (AAQMS) in North 24 Parganas District is being done in</p> <ol style="list-style-type: none"> 1. Barasat Municipality 2. Barrackpore Municipality 3. Dum Dum Municipality 4. Khardah Municipality 5. Madhyamgram Municipality <p>The major town of this District shall be covered. Such station may be required for ULBs provided in 2(i)a in future. Use of Sensor-based / Earth Observation-based monitoring may also be explored.</p>	<p>District Authorities/West Bengal Pollution Control Board (WBPCB)</p>	<p>3 Years</p>
<p>District Level Action Plan for Air Pollution</p>	<p>Implementation of Comprehensive Air Action Plan (CAP) in 2020 and Micro Action Plan (MAP) for Barrackpore Non-Attainment City (NAC), has been started from 2021. It is available in the link http://www.wbpcb.gov.in/air-action-plan. To control Air Pollution, the District has already started promoting Public Transport systems, E-mobility, LPG based cooking, carpentering of</p>	<p>District Administration Authorities/ Regional Transport Office (RTO)/District Forest Office (DFO)/WBPCB/ULBs/Police Authorities</p>	<p>1 Year</p>

<p>Hotspots of air pollution in District</p>	<p>Hotspot with respect to air pollution (such as emission from industrial agglomeration of emitting Industries stubble burning, illegal waste burning, unauthorised operations, cluster activities, vehicular emission shall be identified. Garbage burning and indiscriminate stubble burning should be prohibited. Emission from construction sector shall also be reduced.</p>	<p>District Authorities/Urban local bodies (ULBs)/ Police Authority/Agriculture Department/RTO/West Bengal Pollution Control Board (WBPCB)</p>	<p>6 months</p>
<p>Awareness on Air Quality</p>	<p>Mobile App and Online Portal has been developed by WBPCB. Dissemination of information on local air quality in towns located in District is already done.</p>	<p>District Authority/General Managers District Industrial Centers (GMDIC)/WBPCB</p>	<p>NA</p>

Table 1: District Annual Average, Year 2019

District	PM 10 ug/m3	PM2.5 ug/m3	SO2 ug/m3	NO2 ug/m3	As ug/m3	BaP ng/m3	Pb ug/m3	Ni ng/m3
North 24 Parganas	116.27	66.36	8.01	27.16	0.01	0.18	0.005	0.01
NAAQS ANNUAL AVERAGE	60	40	50	40	6	1	0.5	20

Source : State of Environment Report-1, West Bengal 2021, West Bengal Pollution Control Board, Page 222.

Note : NAAQS- National Ambient Air Quality Monitoring Systems.

Table 2: District wise Emission Inventory 2015-2019

Districts	Industry (Kg/Hr)	Transport (Tonne/Year)	Road & Construction
North 24 Parganas	7714.52	759788	28.71

Source : Estimation of baseline emission load for state of West Bengal in terms of major air pollution and CO2 by Environment Department.

Note: The estimate has been done as base line emission potential based upon the activities of the district during the period 2015-2019 assuming base year as 2017. This is subject to change depending on the activities in the district.

Table 3: Locations of the Ambient Air Quality Monitoring Stations and parameters monitored.

Station name & location	Parameters monitored
Barasat Municipality	PM10, NO2, SO2
Barrackpore Municipality	PM10, PM2.5, NO2,SO2,NH3,O3,CO,C6H6,Pb,AS,BaP
Dum Dum Municipality	PM10,NO2,SO2
Khardah Municipality	PM10,NO2,SO2
Madhyamgram Municipality	PM10,NO2,SO2

Source: As provided by the West Bengal Pollution Control Board.

4. Water Quality Management

a. Current Status related to Water Quality Management

Rivers (Name and length of each river in Km)	Ichhamati - 57.5 KM
	Kalindi - 59.2 KM
	Raimangal - NA
	Dansa - NA
	Benti - NA
	Haribhanga - 97.7 Km
	Bidyadhari - NA
	Hooghly - 31.7 KM
Sonai - 60.4 KM	
Length of Coastline (if any)	NA

Nalas/ Drains/Creeks meeting Rivers	Basirhat Drainage Sub Division, Basirhat - 77.17 KM
	Bidyadhari Drainage Sub Division , Basirhat - 205.65 KM
Nalas/ Drains/Creeks meeting Rivers	Jamuna Basin Drainage Sub Division, Gobardanga - 222.63 KM
	Barasat Drainage Sub Division, Barasat - 96.30 KM
Lakes / Ponds (No and Area in Ha)	Bhatpara ULB - 300 nos. / 8000 Ha (approx)
Total Quantity of sewage from towns and cities in District	1.52 MLD/Day (Approx)
Quantity of industrial wastewater	.0005 MLD/Day (Approx)
Percentage of untreated sewage	100% (through septic tank onsite sanitation)
Details of bore wells and number of permissions given for extraction of groundwater	300 No. (Approx)
Groundwater polluted areas if any	Near waste disposal site
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	An environmental level monitoring cell shall maintain data of all water bodies (rivers/canals/natural drains/creeks/estuaries/groundwater/ponds/lakes etc) including its water quality.	ULB & District Administration	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	create a district level monitoring cell for periodic monitoring of water bodies for specific parameters in association with SPCBs.	NA	ULB, WBPCB, I&WD
Hotspots of water contamination	Check trends of water quality and identify hotspot of surface water and ground water Established a system or separate cell to monitor water quality. Implement action points for restoring of water quality in association with SPCBs and department of Environment.	NA	

Protection of river / lake water front	Action plan should be prepared for control river side open defecation, dumping of solid waste on river banks for idol immersion etc.	NA	ULB, WBPCB, P&RDD, PHED, UD&MA
Inventory of sources of water pollution	Check wheather inventory of all sewage and waste water discharge points into water bodies in the district. Action plan to complete inventory.	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	NA
Protection of flood plains	Monitoring cell to be set up for protection flood plain and prevention encroachment.	ULBs, UDMA, IWD, West Bengal Wasteland Development Corporation Ltd, West Bengal Forest Department and West Bengal Forest and Biodiversity conservation society.	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	Action plan should be prepared for Rain water harvesting	NA	ULB, SWID, CGWB,
Complaints redressal system	Municipal website, CMRO grievances redressal system.	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	2		
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)	80.6		
Quantity of treated sewage flowing into Rivers (directly or indirectly)	NA		
Quantity of untreated or partially treated sewage (directly or indirectly)	NA		Quantity of untreated or partially treated sewage flowing into water bodies MLD

Quantity of sewage flowing into lakes	NA		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)	Action plan for additional treatment capacity required should be prepared in association with ULBs/Department of UD	ULBs, UDMA, WBHBCL (West Bengal Housing Board Corporation Ltd), PWD, SEIAA	6 months- 1 year
Underground sewerage network	Action plan for laying of sewerage network in town & cities. The project may be executed through ULBs & Department of UD.	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	13		
No of Industries discharging wastewater	12		
Total Quantity of industrial wastewater generated (MLD)	NA		

Quantity of treated industrial wastewater discharged into Nalas / Rivers	NA		
Common Effluent Treatment Facilities	NA		
No of Industries meeting Standards	NA		
No of Industries not meeting discharge Standards	NA		

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	Identify gaps w.r.t. industries not meeting the standards. Necessary action be initiated through SPCBs against the industries not meeting the standards.	WBPCB	6months to 1 year
Complaint redressal system	Check if the rein any complaint redressing system is available, In front complaint redressing system may be prepared at District level.	ULBs, Blocks, WBPCB, District Administration	NA

Mining Activity Management plan

Current Status related to Mining Activity Management

Type of Mining Activity	Sand mining		
No of licenced Mining operations in the District	0		
% Area covered under mining in the District	NA		
Area of Sand Mining	11.7 Ha		
Area of sand Mining (River bed/estuary/non river deposit)	1. Ichhamati Riverside (Choura, Soladaha and Sangrampur under Basirhat Sub Division), 2. Hooghly Riverside (Manirampur-II under Barrackpore Sub Division)		

Identification of gaps and action plan:

Action points	Gaps and action plan	Responsible agency	Timeline for completion of action plan
Monitoring of Mining activity	NA	NA	DEIA, WBPCB
Inventory of illegal mining if any mining	Action Plan to identify illegal sand and other mining activity in the district through surveillance, patrolling and enforcement.	Concerned authority	DEIA, WBPCB
Environment compliance by Mining industry	Action plan for periodic verification of compliance to environmental conditions stipulated by SPCBs/PCCs, MOEF&CC department of mines etc.	Irrigation and L & LR Deptt.	WBPCB

Noise Pollution Management plan

Current Status related to Noise Pollution Management			
	No. of noise measuring devices available with various agencies in district		
	No. of noise measuring devices with district administration	No. of noise measuring devices with SPCBs	
	NA	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.	District Administration ensure through an action plan that concern agencies that is ULBs, SHOs, Traffic Police and SPCB/PCC have adequate number of portable noise level meters.	ULB, WBPCB, Districts Administration	6 months- 1 year
Ambient Noise Level monitoring.	ULBs shall ensure that ambient sound levels comply with notified standards for residential sensitive zones. An action Apart from portable analyzers, fixed ambient noise level monitoring stations may be installed in major cities and towns, such stations may be installed by ULBs and SPCB/PCC.	WBPCB, ULB, Districts Administration	6 months- 1 year
Signboards in Noise zones	Adequate number of sign boards intalled at sensitive zones in the ULBs.	Traffic Police and Transport Department	6 months- 1 year
Complaint redressing system	Action plan may envisage implementing a public complaint redressal system for noise pollution, such application may be used by SHOS, Traffic Police, ULBs and SPCBs in district.	1) Receiving complaint letter through e-mail / by post. 2) Every office has Officer in charge, Pollution control to monitor complain and redressed.	3 months to 6 months

Note

NA : DATA NOT AVAILABLE