



सत्यमेव जयते

DISTRICT ENVIRONMENT PLAN  
BARAN (RAJ.)

**Submitted by:**  
**District Collector**  
**Baran, Rajasthan**

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## INTRODUCTION

Hon'ble National Green Tribunal in O. A.No.360/2018 dated 26 / 09 / 2018 ordered regarding constitution of District Committee (as a part of District Planning Committee under Article 243 ZD) under Articles 243G, 243W, 243ZD read with Schedules 11 and 12 and Rule 15 of the Solid Waste Management Rules, 2016.

In the above said order, it is stated that: -

*“Chief Secretaries may personally monitor compliance of environmental norms (including BMW Rules) with the District Magistrate once every month. The District Magistrates may conduct such monitoring twice every month. We find it necessary to add that in view of Constitutional provisions under Articles 243 G, 243 W, 243 ZD read with Schedules II and 12 and Rule 15 of the Solid Waste Management Rules, 2016 it is necessary to have a District Environment Plan to be operated by a District committee (as apart from [District Planning Committee under Article 243ZD) with representatives from Panchayat, Local bodies, Regional Officers, State Pollution Control Officer representing the administration, which may in turn be chaired and monitored by the District Magistrate. Such District Environment plans and constitution of, (District Committee may be placed on the website of district concerned. The monthly report on monitoring by the district Magistrate may be furnished to the Chief Secretary and may be placed on the website of the district and kept on such websites for a period of one year “.*

In this regard, District Magistrate are requested to prepare District Environmental plans by constituting District Committee (as apart of District Planning Committee under Article 243ZD) with representative from Panchayat, Local Bodies, Regional Officers of State Pollution Control Board and a suitable officer representing the administration, which may in turn be chaired and monitored by the District Magistrate once every month and shall host the same in the website for a period of one year and furnish monthly progress report to the Chief Secretary to Government every month and copy of the same earmarked to State Pollution Control Board accordingly. District Administration, Baran in this regard have notified the District Level Implementation, Monitoring and Advisory Committee.

## **AIM, OBJECTIVE & SCOPE OF THE DISTRICT ENVIRONMENT PLAN:**

The Aims and Objectives of this District Environment Plan (DEP) are given below:

- To ensure conservation of environment and natural resources at district level.
- Restore ecological balance.
- To achieve the Sustainable Development Goals (SDGs) and district level targets within the prescribed timeline.
- To ensure sustainability at district level following the principles of resource efficiency.
- To ensure decentralized micro level planning, execution and monitoring regarding environment conservation.
- To incorporate all facets of environmental conservation in micro level planning.
- To harness active participation of all stakeholders in planned environment conservation actions.
- Assess, Mitigate and monitor adverse impacts of various pollution sources at district level.
- Capacity building of stakeholder, department, agencies, organizations and individuals at district level to understand and implement micro level environmental conservation actions.
- To harness inter-departmental coordination for implementation of action plans.
- To develop local knowledge centres and expertise for developing environmental conservation strategies at district level.
- To develop and implement micro monitoring system at district level.

This plan has been prepared in line with the model District Environment Plan (DEP) of CPCB and covers following thematic areas:

- Waste Management Plan
  - Solid Waste Management Plan
  - Plastic Waste Management
  - C&D Waste Management
  - Biomedical Waste Management
  - Hazardous Waste Management

- E-Waste Waste Management
- Water Quality Management Plan
- Domestic Sewage Management Plan
- Industrial Wastewater Management Plan
- Air Quality Management Plan
- Mining Activity Management plan
- Noise Pollution Management Plan

## **CHAPTER 1 - WASTE MANAGEMENT PLAN**

### **1.1 SOLID WASTE MANAGEMENT PLAN**

Solid waste means any garbage, refuse, sludge from a wastewater treatment plant, water supply treatment plant, or air pollution control facility and other discarded materials including solid, liquid, semi-solid, or contained gaseous material, resulting from industrial, commercial, mining and agricultural operations, and from community activities, but does not include solid or dissolved materials in domestic sewage, or solid or dissolved materials in irrigation return flows or industrial discharges. Compliance and planning of Solid Waste Management in the district according to Solid Waste Management Rules, 2016 is as follows:

WASTE MANAGEMENT

**(i)-BASELINE DATA FOR SOLID WASTE MANAGEMENT**

No.	Action Areas	Details of Data Requirement	Units Of Measurable Outcome	ULB 1	ULB 2	ULB 3	ULB4	Action to be taken by
	Name of Urban Local Body (ULB)		[name of ULB]	ANTA	BARAN	CHHABRA	MANGROL	ALL ULB (Nagar Parishad/ Nagar Palika)
	No of ULBs in the District		[Nos]	1	1	1	1	ALL ULB (Nagar Parishad/ Nagar Palika)
	Population		[Nos as per 2011 census]	32377	117992	32285	25073	ALL ULB (Nagar Parishad/ Nagar Palika)
SW1	Report on inventory of total solid waste Generation							ALL ULB (Nagar Parishad/ Nagar Palika)
SW1a		Total solid waste Generation	[in MT/Day] or [Not estimated]	18	55	13	11	ALL ULB (Nagar Parishad/ Nagar Palika)
SW1b		Qty. of Dry Waste segregated	[in MT/Day] or [Collection Not initiated]	8	22	4.50	6	ALL ULB (Nagar Parishad/ Nagar Palika)
SW1c		Qty. of Wet Waste segregated	[in MT/Day] or [Collection Not initiated]	10	33	8.5	4	ALL ULB (Nagar Parishad/ Nagar Palika)
SW1d		Qty. of C&D Waste segregated	[in MT/Day] or [Collection Not initiated]	<b>0.9</b>	<b>3</b>	<b>0.5</b>	<b>1</b>	ALL ULB (Nagar Parishad/ Nagar Palika)
SW1e		Qty. of Street Sweeping	[in MT/Day] or [Not estimated]	Not estimated	Not estimated	Not estimated	Not estimated	ALL ULB (Nagar Parishad/ Nagar Palika)
SW1f		Qty. of Drain Silt	[in MT/Day] or [Not estimated]	Not estimated -	Not estimated	Not estimated	Not estimated -	ALL ULB (Nagar Parishad/ Nagar Palika)
SW1g		Qty. of Domestic Hazardous Waste (DHW) collected	[in MT/Day] or [No Facility]	No Facility	No Facility	No Facility	No Facility	ALL ULB (Nagar Parishad/ Nagar Palika)
SW1h		Qty. of Other Waste (Horticulture, sanitary waste, etc.)	[in MT/Day] or [Qty not estimated]	Qty not estimated	Qty not estimated	Qty not estimated	Qty not estimated	ALL ULB (Nagar Parishad/ Nagar Palika)
SW1i		No of Old dump sites	[Nos] or [None]	1	2	1	1	ALL ULB (Nagar Parishad/ Nagar Palika)

No.	Action Areas	Details of Data Requirement	Units Of Measurable Outcome	ULB 1	ULB 2	ULB 3	ULB4	Action to be taken by
SW1j		Qty stored in dumpsites	[MT] or [Not estimated]	<b>1882.04 Cum</b>	<b>23405 Cum</b>	<b>3500 cum</b>	<b>1704 Cum</b>	ALL ULB (Nagar Parishad/ Nagar Palika)
SW1k		No of Sanitary landfills	[Nos] or [None]	0	1	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)
SW1l		No of wards	[nos]	35	60	35	35	ALL ULB (Nagar Parishad/ Nagar Palika)
SW2	Compliance by Bulk Waste Generators							ALL ULB (Nagar Parishad/ Nagar Palika)
SW2a		No of BW Generators	[numbers] or [inventory not done]	0	3	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)
SW2b		No of on-site facilities for Wet Waste	[numbers] or [No data]	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	ALL ULB (Nagar Parishad/ Nagar Palika)
SW3	Compliance in segregated waste Collection SW Collection							ALL ULB (Nagar Parishad/ Nagar Palika)
SW3a		Total generation	[Automatic] from SW1a	18	55	13	11	ALL ULB (Nagar Parishad/ Nagar Palika)
SW3b		Wet Waste	[in MT/Day] or [Collection Not initiated]	10	33	2	6	ALL ULB (Nagar Parishad/ Nagar Palika)
SW3c		Dry Waste	[in MT/Day] or [Collection Not initiated]	8	22	1	4	ALL ULB (Nagar Parishad/ Nagar Palika)
SW3d		C&D Waste	[in MT/Day] or [Collection Not initiated]	<b>0.9</b>	<b>3</b>	<b>0.1</b>	<b>1</b>	ALL ULB (Nagar Parishad/ Nagar Palika)
SW4	Waste Management Operations							ALL ULB (Nagar Parishad/ Nagar Palika)
SW4a		Door to Door Collection	[100%] / [partial %] / [not initiated]	100%	100%	100%	100%	ALL ULB (Nagar Parishad/ Nagar Palika)
SW4b		Mechanical Road Sweeping	[100%] / [partial%] / [not initiated]	not initiated	not initiated	not initiated	not initiated	ALL ULB (Nagar Parishad/ Nagar Palika)



No.	Action Areas	Details of Data Requirement	Units Of Measurable Outcome	ULB 1	ULB 2	ULB 3	ULB4	Action to be taken by
SW4c		Manual Sweeping	[100%] / [partial%]	100%	100%	100%	100%	ALL ULB (Nagar Parishad/ Nagar Palika)
SW4d		Segregated Waste Transport	[100%] / [partial %] / [not initiated]	20%	20%	30%	25%	ALL ULB (Nagar Parishad/ Nagar Palika)
SW4e		Digesters (Bio-methanation)	[% of WW] / [not initiated]	<b>Not initiated</b>	<b>Not initiated</b>	<b>Not initiated</b>	<b>Not initiated</b>	ALL ULB (Nagar Parishad/ Nagar Palika)
SW4f		Composting operation	[% of WW] / [not initiated]	<b>Not initiated</b>	<b>Not initiated</b>	<b>Not initiated</b>	<b>Not initiated</b>	ALL ULB (Nagar Parishad/ Nagar Palika)
SW4g		MRF Operation	[MRF used] / [not installed]	<b>Work Under Progress</b>	<b>Work Under Progress</b>	<b>Installed but not used</b>	<b>Installed but not used</b>	ALL ULB (Nagar Parishad/ Nagar Palika)
SW4h		Use of Sanitary Landfill	[% of SW collected] / [no SLF]	No SLF	Under Construction	No SLF	No SLF	ALL ULB (Nagar Parishad/ Nagar Palika)
SW4i		Reclamation of old dumpsites	[initiated] / [not initiated]	Not initiated	Not initiated	initiated	initiated	ALL ULB (Nagar Parishad/ Nagar Palika)
SW4j		Linkage with Waste to Energy Boilers / Cement Plants	[initiated] / [not initiated]	Not initiated	not initiated	not initiated	not initiated	ALL ULB (Nagar Parishad/ Nagar Palika)
SW4k		Linkage with Recyclers	[initiated] / [not initiated]	not initiated	not initiated	not initiated	not initiated	ALL ULB (Nagar Parishad/ Nagar Palika)
SW4l		Authorization of waste pickers	[initiated] / [not initiated]	initiated	initiated	initiated	initiated	ALL ULB (Nagar Parishad/ Nagar Palika)
SW4m		Linkage with TSDF / CBMWTF	[initiated] / [not initiated]	not initiated	not initiated	not initiated	not initiated	ALL ULB (Nagar Parishad/ Nagar Palika)
SW4n		Involvement of NGOs	[initiated] / [not initiated]	not initiated	not initiated	not initiated	not initiated	ALL ULB (Nagar Parishad/ Nagar Palika)
SW4o		Linkage with Producers / Brand Owners	[initiated] / [not initiated]	not initiated	not initiated	not initiated	not initiated	ALL ULB (Nagar Parishad/ Nagar Palika)
SW4p		Authorization of Waste Pickers		-	-		-	ALL ULB (Nagar Parishad/ Nagar Palika)

No.	Action Areas	Details of Data Requirement	Units Of Measurable Outcome	ULB 1	ULB 2	ULB 3	ULB4	Action to be taken by
SW4q		Issuance of ID Cards	[initiated] / [not initiated]	not initiated	not initiated	initiated	not initiated	ALL ULB (Nagar Parishad/ Nagar Palika)
SW5	Adequacy of Infrastructure							ALL ULB (Nagar Parishad/ Nagar Palika)
SW5a		Waste Collection Trolleys	[Nos. Required] / [Nos. Available]	150/45	300/125	100/67	70/30	ALL ULB (Nagar Parishad/ Nagar Palika)
SW5b		Mini Collection Trucks	[Nos. Required] / [Nos. Available]	20/6	60/33	18/6	8/4	ALL ULB (Nagar Parishad/ Nagar Palika)
SW5c		Segregated Transport	[yes] / [no] / [% area covered]	YES(80%)	YES(85%)	Yes(80%)	YES(80%)	ALL ULB (Nagar Parishad/ Nagar Palika)
SW5d		Bulk Waste Trucks	[Nos. Required] / [Nos. Available]	2/0	6/3	2/0	1/0	ALL ULB (Nagar Parishad/ Nagar Palika)
SW5e		Waste Transfer points	[Nos. Required] / [Nos. Available] / [Not available]	No Available	No Available	No Available	No Available	ALL ULB (Nagar Parishad/ Nagar Palika)
SW5f		Bio-methanation units	[Nos. Required] / [Nos. Available]	Nil	Nil	Nil	Nil	ALL ULB (Nagar Parishad/ Nagar Palika)
SW5h		Composting units	[Nos. Required] / [Nos. Available]	1 Available	1 Available	1 Available	1 Available	ALL ULB (Nagar Parishad/ Nagar Palika)
SW5i		Material Recovery Facilities	[used or installed] / [not available]	Not Installed	Not Installed	INSTALLED	Installed	ALL ULB (Nagar Parishad/ Nagar Palika)
SW5k		Waste to Energy (if applicable)	[Required] / [Nos. Available]	No Available	No Available	No Available	No Available	ALL ULB (Nagar Parishad/ Nagar Palika)
SW5l		Waste to RDF	[Required] / [Nos. Available]	1/0	1 Nos. Available (Work in progress.)	1/0	1/0	ALL ULB (Nagar Parishad/ Nagar Palika)
SW5m		Sanitary Land fills	[Nos] / [Nos. Available]	No Available	1 Nos. Available (Work in progress.)	1/0	No Available	ALL ULB (Nagar Parishad/ Nagar Palika)
SW5n		Capacity of sanitary landfills	[MT] // [Nos. Available]	0	120000	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)

No.	Action Areas	Details of Data Requirement	Units Of Measurable Outcome	ULB 1	ULB 2	ULB 3	ULB4	Action to be taken by
SW5o		Waste Deposit Centers (DHW)	[Nos] / [Nos. Available]	0	0	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)
SW5p		Other facilities	[give or select from list]	NIL	NIL	NIL	NIL	ALL ULB (Nagar Parishad/ Nagar Palika)
SW6	Notification and Implementation of By-Laws							ALL ULB (Nagar Parishad/ Nagar Palika)
SW6a		Notification of By-laws	[done] / [in progress] / [not initiated]	Done	Done	DONE	Done	ALL ULB (Nagar Parishad/ Nagar Palika)
SW6b		Implementation of by-laws	[done] / [in progress] / [not initiated]	in progress	in progress	in progress	in progress	ALL ULB (Nagar Parishad/ Nagar Palika)
SW7	Adequacy of Financial Status of ULB							ALL ULB (Nagar Parishad/ Nagar Palika)
SW7a		CAPEX Required	[INR] / [Not required]	10000000	60000000	5000000	5000000	ALL ULB (Nagar Parishad/ Nagar Palika)
SW7b		OPEX	[INR per Year] / [% of requirement]	1600000	2000000	1500000	1500000	ALL ULB (Nagar Parishad/ Nagar Palika)
SW7c		Adequacy of OPEX	[Yes] / [No]	NO	NO	NO	NO	ALL ULB (Nagar Parishad/ Nagar Palika)

**SOLID WASTE MANAGEMENT PLAN FOR THE DISTRICT IS AS FOLLOWS:**

Solid waste to be managed in accordance with the SWM Rules, 2016 issued by the Ministry of Environment and Forests, Government of India,

<b>Sl No</b>	<b>Action Points</b>	<b>Strategy and approach</b>	<b>Stake holders responsible</b>
1.	Collection, Segregation & Treatment of solid waste	Solid waste to be managed in accordance with the SWM Rules, 2016	ULBs
2.	Strengthening the capacities of the ULBs	All ULB staff to be trained to impart adequate knowledge for proper implementation of sustainable SWM  Logistic infrastructure to be make available from the Financial allocation made by the Govt in this regard.	ULBs
3.	Notification and Implementation of By-Laws	ULBs will frame bye-laws incorporating the provisions of SWM Rules, 2016 and notify accordingly.	ULBs DIPRO
4.	Awareness	Public awareness to be created through IEC campaign with participation of SHGs, NGOs, students.  Leaflets explaining waste segregation practice to be distributed in the entire household.	ULB NGOs SHGs Insp. of Schools DIPRO
5.	Monitoring and Review	EO of ULBs will time to time monitor/review the performance of their respective ULB on waste segregation, processing, treatment and disposal and take corrective measures.  Dist. Level Committee will also sit bi-monthly to review the status of execution of SWM.	EO of ULBs Dist. Level Committee

## **PLASTIC WASTE MANAGEMENT:**

The Ministry of Environment, Forest and Climate Change has notified the Plastic Waste Management (Amendment) Rules 2018. The amended Rules lay down that the phasing out of Multi-layered Plastic (MLP) is now applicable to MLP, which are “non-recyclable, or non-energy recoverable, or with no alternate use.”

The amended Rules also prescribe a central registration system for the registration of the producer/importer/brand owner. The Rules also lay down that any mechanism for the registration should be automated and should take into account ease of doing business for producers, recyclers and manufacturers. The centralized registration system will be evolved by Central Pollution Control Board (CPCB) for the registration of the producer/importer/brand owner. While a national registry has been prescribed for producers with presence in more than two states, a state-level registration has been prescribed for smaller producers/brand owners operating within one or two states. Present scenario and subsequent planning for Plastic Waste Management (for each ULB) is as follows:

## (ii)- ACTION POINTS FOR PLASTIC WASTE MANAGEMENT

No.	Action Areas	Details of Data Requirement	Measurable Outcome	ULB 1	ULB 2	ULB 3	ULB 4	Action to be taken by
	Name of ULB		[name of ULB]	ANTA	BARAN	CHHABRA	MANGROL	ALL ULB (Nagar Parishad/ Nagar Palika)
	Population		[Nos as per 2011 census]	32377	117992	32285	25073	ALL ULB (Nagar Parishad/ Nagar Palika)
PW1	Inventory of plastic waste generation							ALL ULB (Nagar Parishad/ Nagar Palika)
PW1a		Estimated Quantity of plastic waste generated in District	[MT/day] / [Not Estimated]	Not Estimated	Not Estimated	Not Estimated	Not Estimated	ALL ULB (Nagar Parishad/ Nagar Palika)
PW2	Implementation of Collection							ALL ULB (Nagar Parishad/ Nagar Palika)
PW2a		Door to Door collection	[100%] / [partial %] / [not initiated]	100%	100%	100%	100%	ALL ULB (Nagar Parishad/ Nagar Palika)
PW2b		Segregated Waste collection	[100%] / [partial %]	25%	28%	30%	25%	ALL ULB (Nagar Parishad/ Nagar Palika)
PW2c		Plastic waste collection at Material Recovery Facility	[MRF used] / [not installed]	Installed but not used	Installed but not used	Installed but not used	Installed but not used	ALL ULB (Nagar Parishad/ Nagar Palika)
PW2d		Authorization of PW pickers	[Nos] / [not initiated]	9	NOT INSITIATED	NOT INSITIATED	8	ALL ULB (Nagar Parishad/ Nagar Palika)
PW2e		PW collection Centers	[Nos] / [not established]	not established	not established	not established	not established	ALL ULB (Nagar Parishad/ Nagar Palika)
PW3	Establishment of linkage with Stakeholders							ALL ULB (Nagar Parishad/ Nagar Palika)
PW3a		Established linkage with PROs of Producers	[Nos] / [not established]	not established	not established	not established	not established	ALL ULB (Nagar Parishad/ Nagar Palika)
PW3b		Established linkage with NGOs	[Nos] / [not established]	not established	not established	not established	not established	ALL ULB (Nagar Parishad/ Nagar Palika)
PW4	Availability of facilities for							ALL ULB (Nagar Parishad/ Nagar Palika)

	Recycling or utilization of PW							
PW4a		No. of PW recyclers	[Nos]	0	0	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)
PW4b		No Manufacturers	[Nos]	0	0	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)
PW4c		No of pyrolysis oil plants	[Nos]	0	0	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)
PW4d		Plastic pyrolysis	[Quantity in MT sent per Month]	0	0	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)
PW4e		Use in road making	[Quantity MT used per Month]	0	0	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)
PW4f		Co-processing in Cement Kiln	[Quantity in MT sent per Month]	210 kg sent in july 2019	1331 kg sent in june 2019	420 kg sent in july 2019	99.74 KG CC cement	ALL ULB (Nagar Parishad/ Nagar Palika)
PW5	Implementation of PW Management Rules, 2016							ALL ULB (Nagar Parishad/ Nagar Palika)
PW5a		Sealing of units producing < 50-micron plastic	[All sealed] / [Partial] / [no action]	Partial	Partial	Partial	Partial	ALL ULB (Nagar Parishad/ Nagar Palika)
PW5b		Prohibiting sale of carry bags < 50 micron	[Prohibited] / [Partial] / [no action]	Prohibited	Prohibited	Prohibited	Prohibited	ALL ULB (Nagar Parishad/ Nagar Palika)
PW5c		Ban on Carry bags and other single use plastics as notified by State Government	[Implemented] / [Partial] / [no action] / [No Ban]	Implemented	Implemented	Implemented	Implemented	ALL ULB (Nagar Parishad/ Nagar Palika)
PW6	Implementation of Extended Producers Responsibility (EPR) through Producers/ Brand-owners							ALL ULB (Nagar Parishad/ Nagar Palika)
PW6a		No of Producers associated with ULBs	[Nos] / [None]	0	0	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)
PW6b		Financial support by Producers / Brand owners to ULBs	[Nos] / [None]	0	0	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)

PW6c		Amount of PRO Support	[Rs...]	0	0	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)
PW6d		Infrastructure support by Producers / Brand owners to ULBs	[Nos of Producers] / [None]	0	0	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)
PW6e		No of collection centers established by Producers / Brand owners to ULBs	[Nos] / [None]	0	0	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)



**PLASTIC WASTE MANAGEMENT PLAN FOR THE DISTRICT IS AS FOLLOWS:**

Plastic waste to be managed in accordance with the Plastic Waste Management (Amendment) Rules, 2018 with an emphasis on the 3R principles of Reduce, Reuse and Recycle; ULBs will manage the Plastic Waste generated under their respective jurisdiction while PHE will manage plastic waste in respect of rural areas as per proposal being prepared for engagement of GP wise vendor for Plastic Waste collection

<b>Sl No</b>	<b>Action Points</b>	<b>Strategy and approach</b>	<b>Stake holders responsible</b>
1	Implementation of Collection	Door to Door collection, Segregated Waste collection, Plastic waste collection at MRF, Authorization of PW pickers, PW collection Centers to be ensured	ULBs
2	Establishment of linkage with Stakeholders	List of PROs of producers/NGO to be collected and steps to be taken for initiating linkage as per SWMR-2016 and PWMR-2018	ULBs
3	Availability of facilities for Recycling or utilization of PW	Each ULBs in consultation with DI&CC will prepare plan for setting up facilities for Recycling or utilization of PW. Plan to be submitted in next Dist Committee meeting.	ULBs GM DI&CC
4	Implementation of PW Management Rules, 2016	To Ensure Implementation of PW Management Rules, 2016, and 2018 ULBs in association with Dist administration will conduct Surprise inspection on the commercial establishments for the eradication of banned plastic and imposes fine for those who store, sell and use the same. Public Awareness and participation also to be created in this regard	ULBs
5	Implementation of Extended Producers Responsibility (EPR) through Producers/ Brand-owners	ULBs will identify Producers/Brand-owners and will act in accordance with Govt policies/notifications in this regard	ULBs

### **1.3 CONSTRUCTION & DEMOLITION-C & D WASTE MANAGEMENT:**

In India, it is very common to see huge piles of C&D waste, stacked alongside of major roads resulting in traffic jams, congestion and disruption & chocking of drains. Around 30% of the total municipal solid waste generated in the country comprises of C&D waste. The C&D Waste generated in each city would reflect different characteristics based on each city's growth pattern and lifestyle. While retrievable items such as bricks, wood, metal, tiles are recycled, the concrete and masonry waste, accounting for more than 50% of the waste from construction and demolition activities, are not being currently recycled in India.

Construction activities occur to build/rebuild new structures or old structures. Demolition activities are growing due to old structures needing restructuring or replacement with time to make way for vertical structures or flats in line with growing needs of the society. All such activities generate C&D waste. Disposal of such debris in a safe environment is a big challenge for the builders, developers, and owners.

When in one hand the disposal of debris is a challenge, then, on the other hand, there is an acute shortage of naturally available aggregates for the construction of buildings. Reduction of this demand is possible only with the reusing or recycling of waste generated from the construction activities.

**(iii) BASELINE DATA FOR CONSTRUCTION & DEMOLITION WASTE**

No.	Action Areas	Details of Data Requirement	Measurable Outcome	ULB 1	ULB 2	ULB 3	ULB 4	Action to be taken by
	Name of ULB		[name of ULB]	ANTA	BARAN	CHHABRA	MANGROL	ALL ULB (Nagar Parishad/ Nagar Palika)
	Population		[Nos as per 2011 census]	32377	117992	32285	25073	ALL ULB (Nagar Parishad/ Nagar Palika)
CD1	Inventory of C&D waste generation							ALL ULB (Nagar Parishad/ Nagar Palika)
CD1a		Estimated Quantity	[Kg/Day] / [Not estimated]	<b>900 Kg</b>	<b>3000 Kg</b>	<b>500 Kg</b>	<b>1000 Kg</b>	ALL ULB (Nagar Parishad/ Nagar Palika)
CD2	Implement scheme for permitting bulk waste generators							ALL ULB (Nagar Parishad/ Nagar Palika)
CD2a		Issuance of Permissions by ULBs	[Initiated] / [Not initiated]	Not initiated	initiated	Not initiated	Not initiated	ALL ULB (Nagar Parishad/ Nagar Palika)
CD3	Establishment of C&D Waste Deposition centers							ALL ULB (Nagar Parishad/ Nagar Palika)
CD3a		Establishment of Deposition Points	[Yes] / [No]	NO	Yes	NO	NO	ALL ULB (Nagar Parishad/ Nagar Palika)
CD3b		C&D Deposition point identified	[Yes] / [No]	Yes	Yes	Yes	Yes	ALL ULB (Nagar Parishad/ Nagar Palika)
CD4	Implementation of By-Laws for CD Waste Management							ALL ULB (Nagar Parishad/ Nagar Palika)
CD4a		Implementation of By-laws	[notified] / [not notified]	notified	notified	notified	not notified	ALL ULB (Nagar Parishad/ Nagar Palika)
CD4b		Collection of Deposition / disposal Charges	[Initiated] / [Not initiated]	Initiated	Initiated	Initiated	Initiated	ALL ULB (Nagar Parishad/ Nagar Palika)
CD5	Establishment of C&D Waste recycling plant or linkage with such facility							ALL ULB (Nagar Parishad/ Nagar Palika)
CD5a		Establishment CD Waste Recycling Plant	[Established] / [Sent to shared Facility] / [No facility exists]	No facility exists	No facility exists	No facility exists	No facility exists	ALL ULB (Nagar Parishad/ Nagar Palika)
CD5b		Capacity of CD Waste Recycling Plant	[MT/Day] / [Not available]	Not available	Not available	Not available	Not available	ALL ULB (Nagar Parishad/ Nagar Palika)

**C & D WASTE MANAGEMENT PLAN FOR THE DISTRICT IS AS FOLLOWS**

<b>Sl No</b>	<b>Action Points</b>	<b>Strategy and approach</b>	<b>Stake holders</b>
1	Inventory of C&D waste generation	<ol style="list-style-type: none"> <li>1. Survey and Investigate the C &amp; D generators under the jurisdiction of ULB.</li> <li>2. Identify regular bulk waste generators ( Contractors or Builders)</li> <li>3. Distribution of Staffs in Collecting , Transporting and Processing of C &amp; D</li> <li>4. Treatment of C &amp; D Wastes or Transformation</li> </ol>	ULB Staffs
2	Implement scheme for permitting bulk waste generators	<ol style="list-style-type: none"> <li>1. Contractors/Builders should have registration id in the ULBs to collect &amp; transfer the C &amp; D Wastes to the C &amp; D Deposition Centre for treatment.</li> <li>2. The Generators should contact the ULB staffs or Constructors/Builders</li> <li>3. The generators should be charged as per by law.</li> </ol>	<ol style="list-style-type: none"> <li>1. C &amp; D Wastes generators</li> <li>2. Contractors/ Builders</li> <li>3. ULB Staffs</li> <li>4. C &amp; D Deposition Centre staffs</li> </ol>
3	Establishment of C&D Waste Deposition centres	<ol style="list-style-type: none"> <li>1. Identify and allocation of land for deposition centre</li> <li>2. Construction and fencing of deposition centre.</li> <li>3. Identify the transportation point.</li> </ol>	<ol style="list-style-type: none"> <li>1. ULB</li> <li>2. NGOs</li> </ol>
4	Implementation of By-Laws for C & D Waste Management	<ol style="list-style-type: none"> <li>1. Publish notification for registration of C &amp; D Waste generators, generator charge, transportation cost, selling price, etc. By-Laws.</li> </ol>	<ol style="list-style-type: none"> <li>1. ULB staffs</li> <li>2. C &amp; D Deposition centre staffs</li> </ol>
5	Establishment of C&D Waste recycling plant or linkage with such facility	<ol style="list-style-type: none"> <li>1. Involve NGOs or to start-ups to establish a C&amp;D Waste recycling plant,</li> <li>2. Any ULB initiative (if possible)</li> </ol>	NGOs

#### **1.4 BIO-MEDICAL WASTE MANAGEMENT:**

‘Biomedical waste’ (BMW) means any waste, which is generated during the diagnosis, treatment or immunization of human beings or animals or research activities

**(iv) BASELINE DATA FOR BIO-MEDICAL WASTE MANAGEMENT (only fill the details concerning to your department)**

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Measurable Outcome For District	ULB 1	ULB 2	ULB 3	ULB 4	Action to be taken by
	Name of ULB		[name of ULB]	Baran	ANTA	BARAN	CHHABRA	MANGROL	ALL ULB (Nagar Parishad/ Nagar Palika)
	Population		[Nos as per 2011 census]		32377	117992	32385	25073	ALL ULB (Nagar Parishad/ Nagar Palika)
BMW1	Inventory of Biomedical Waste Generation								
BMW1a		Total no. of Bedded Hospitals	[Nos] / [No inventory]	<b>1-DH, 14-CHC 50-PHC 11- private ( total 1569 bedded)</b>	Chc Anta 50 Bedded + 45 Private hospital bedded	DH Baran 300 Bedded + 234 Private hospital bedded	CHC Chhabra 100 Bedded Private 0	CHC Mangrol 30 Bedded Private 0	CMHO
BMW1b		Total no. of non-bedded HCF	[Nos] / [No inventory]	<b>06</b>	1	4	1	0	CMHO
BMW1c		Total no. Clinics	[Nos] / [No inventory]	<b>35</b>	1	31	1	2	CMHO
BMW1d		No of Veterinary Hospitals	[Nos] / [No inventory]	4 Urben 46 Rural Total 50	1	1	1	1	CMHO
BMW1e		Pathlabs	[Nos] / [No inventory]	<b>2</b>	0	2	0	0	CMHO
BMW1f		Dental Clinics	[Nos] / [No inventory]	<b>10</b>	1	5	3	1	CMHO
BMW1g		Blood Banks	[Nos] / [No inventory]	<b>1</b>	0	1	0	0	CMHO
BMW1h		Animal Houses	[Nos] / [No inventory]	3	0	2	0	1	ALL ULB (Nagar Parishad/ Nagar Palika)
BMW1i		Bio-research Labs	[Nos] / [No inventory]	<b>0</b>	0	0	0	0	CMHO
BMW1j		Others	[Nos] / [No inventory]		No inventory	No inventory	No inventory	No inventory	ALL ULB (Nagar Parishad/ Nagar Palika)/CMHO
BMW2	Authorization of HCFs by SPCBs / PCCs								

BMW2a		Bedded HCFs	[Nos Authorized]	37					RPCB
BMW2b		Non-bedded HCFs	[Nos Authorized]	0					RPCB
BMW3a	Biomedical Waste Treatment and Disposal Facilities (CBMWTFs)								
BMW3a		No of CBMWTFs	[Nos] / None	None					RPCB
BMW3b		Linkage with CBMWTFs	[Yes] / [no linkage]	Yes					RPCB
BMW3c		Capacity of CBMWTFs	[Adequate] / [Not adequate]	Not Adequate					RPCB
BMW3d		Requirements of CBMWTFs	[Require] / [not required]	Require					RPCB
BMW3e		Captive Disposal Facilities of HCFs	[Nos] / [None]	None					RPCB
BMW4	Compliance by CBMWTFs								
BMW4a		Compliance to standards	[Meeting] / [Not meeting] / [NA]	NA					RPCB
BMW4b		Barcode tracking by HCFs / CBMWTFs	[100%] / [Partly %] / [None]	None					RPCB
BMW4c		Daily BMW lifting by CBMWTFs	[Kg / day]	NA					RPCB
BMW5	Status of Compliance by Healthcare Facilities								
BMW5a		Pre-segregation	[100%] / [partly %] / [None]	100%					RPCB
BMW5b		Linkage with CBMWTFs	<b>[100%] / [partly %] / [None]</b>	100%					RPCB

**Biomedical waste Management plan for the district is as follows:**

<b>Sl. No</b>	<b>Action Points</b>	<b>Strategy and approach</b>	<b>Stake holders responsible</b>
1.	Collection, Segregation & Treatment of solid waste	Biomedical Waste to be managed in accordance with the Bio Medical Waste Management Rules, 2016.	All HCF concerned
2.	Preparation of 'Inventory of Biomedical Waste Generation'	Inventorisation of Occupiers and data on bio-medical waste generation, treatment & disposal which are to be updated at least two times each year	CMHO 1. Dist. Vet. Officer 2. All BDOs
3.	Capacity building/ training of HCFs	HCF should be made aware of their roles and responsibilities under the Bio Medical Waste Management Rules, 2016  For proper management of the waste in the healthcare facilities the technical requirements of waste handling are needed to be understood and practiced by each category of the staff in accordance with the BMW Rules, 2016.	CMHO
4.	Authorization of HCFs	Every HCFs and Clinical Establishment will be asked to get authorization from PCB Raj As per the Bio Medical Waste Management Rules, 2016	PCB Raj CMHO EO of All MBs
5.	Biomedical Waste Treatment and Disposal Facilities (CBMWTFs)	Matter relating to setting up a Common Biomedical Waste Treatment and Disposal Facilities (CBMWTFs) in the district will be taken up with Health Deptt/PCB	Dist Admin, RSPCB, CMHO,
6.	Monitoring and Review	District Level Monitoring Committee under the chairmanship of district Collector, to monitor the compliance of the provisions of these rules by the HCFs  The District Level Monitoring Committee will	District Level Monitoring Committee



		<p>comprise of District Collector, CMHO and representatives from PCB Raj, Public Health Engineering Department, ULBs, Indian Medical Association among others representative from CBWTF.</p> <p>District Collector will be the chairman of the committee CMHO will be the Member Secretary of this Committee.</p>	
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### **1.5 HAZARDOUS WASTE MANAGEMENT:**

“Hazardous waste” means any waste which by reason of characteristics such as physical, chemical, biological, reactive, toxic, flammable, explosive or corrosive, causes danger or is likely to cause danger to health or environment, whether alone or in contact with other wastes or substances,

**(v) BASELINE DATA FOR HAZARDOUS WASTEMANAGEMENT (only fill the details concerning to your department)**

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Measurable Outcome for District	Action to be taken by
HW1	Inventory of Hazardous Waste				RPCB
HW1a		No of HW Generating Industry	[Nos.]	4	RPCB
HW1b		Quantity of HW	[MT/Annum]	35.1021	RPCB
HW1c		Quantity of Incinerable HW	[MT/Annum]	0	RPCB
HW1d		Quantity of land-fillable HW	[MT/Annum]	3.8181	RPCB
HW1e		Quantity of Recyclable / utilizable HW	[MT/Annum]	31.284	RPCB
HW2	Contaminated Sites and illegal industrial hazardous waste dumpsites				
HW2a		No of HW dumpsites	[Nos] / [None]	None	RPCB
HW2c		Probable Contaminated Sites	[Nos] (provide list)	0	RPCB
HW3	Authorization by SPCBs/PCCs				
HW3a		No of industries authorized	[Nos]	4	RPCB
HW3b		Display Board of HW Generation in front of Gate	[Nos]	35.1021	RPCB
HW3	Availability of Common Hazardous Waste TSDF				
HW3a		Common TSDF	[Exists] / [No] / [Sent to Other District within State]	Sent to Other District within State	RPCB
HW3b		Industries linkage with TSDF	[Nos.]	4	RPCB
HW4	Linkage of ULBs in District with Common TSDF				
HW4a		ULBs linked to Common TSDFs for Domestic Hazardous Waste	[Yes] / [No]	No	ALL ULB (Nagar Parishad/ Nagar Palika)

**Hazardous Waste Management plan for the district is as follows:**

<b>Sl No</b>	<b>Action Points</b>	<b>Strategy and approach</b>	<b>Stake holders responsible</b>
1.	Preparation of 'Inventory of Hazardous Waste Generators'	Including Manufacturer /recycler/ refurbisher /handler of Lead Acid battery, and other lead scrap/ashes/residues not covered under Batteries (Management and Handling) Rules, 2001.	1. General Manager ,District Industries & Commerce Centres (DI&CC) GM, DI&CC, 2. EO of ULBs 3. PCB, Raj 4. All BDOs
2.	Awareness/training of Waste Generators	ULBs take necessary steps for public awareness and importance of segregation of potentially hazardous domestic waste.  Training on Handling/disposal will be provided to informal sector persons who are engaged in trading, dismantling, and recycling of e-waste/batteries.	1. GM, DI&CC, 2. Representative from PCB Raj
3.	Authorization of Industries	PCB Raj	
4.	Waste deposition centres for domestic hazardous waste	ULBs will establish waste deposition centres for domestic hazardous waste and give direction for waste generators to deposit domestic hazardous wastes at this centre for its safe disposal.	ULBs
5.	Monitoring of Compliance	District Level Monitoring Committee under the chairmanship of district collector, to monitor the compliance of the provisions of Hazardous waste Management Rules  The District Level Monitoring Committee will comprise of ADC GM, DI&CC representatives from PCB Raj, Public Health Engineering Department, ULBs as members among others. GM, DI&CC shall be the Member Secretary of this Committee.	District Level Monitoring Committee

**1.6 E- WASTE MANAGEMENT:**

Electronic waste or e-waste describes discarded electrical or electronic devices. Used electronics which are destined for refurbishment, reuse, resale, salvage recycling through material recovery, or disposal are also considered e-waste

**(vi) BASELINE DATA FOR E-WASTE MANAGEMENT (only fill the details concerning to your department)**

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Measurable Outcome for District	ULB1	ULB2	ULB 3	ULB4	Action to be taken by
EW1	Status of facilitating authorized collection of E-Waste				ANTA	BARAN	CHH ABRA	MAN GROL	
EW1a		Does the citizen are able to deposit or provide E-Waste through Toll-free Numbers in the District	[Yes] / [No]		NO	NO	NO	NO	ALL ULB (Nagar Parishad/ Nagar Palika)
EW1c		Collection centers established by ULB in District	[Nos] / [None]		NO	NO	NO	NO	ALL ULB (Nagar Parishad/ Nagar Palika)
EW1d		Collection centers established by Producers or their PROs in the District	[Nos] / [None]		NO	NO	NO	NO	ALL ULB (Nagar Parishad/ Nagar Palika)
EW1e		Does the district has linkage with authorized E-Waste recyclers / Dismantler	[Yes] / [No]		NO	NO	NO	NO	ALL ULB (Nagar Parishad/ Nagar Palika)
EW1f		No authorized E-Waste recyclers / Dismantler	[Nos] / [None]		NO	NO	NO	NO	ALL ULB (Nagar Parishad/ Nagar Palika)
EW2	Status of Collection of E-Waste								
EW2a		Authorizing E-Waste collectors	[Authorized] / [None]	None					RPCB
EW2b		Involvement of NGOs	[Yes] / [No] / [Nos]	No					RPCB
EW2c		Does Producers have approached NGOs/ Informal Sector for setting up Collection Centers.	[Yes] / [No] / [Nos]	No					RPCB
EW2d		Does ULBs have linkage with authorized Recyclers / Dismantlers	[Yes] / [No]		NO	NO	NO	NO	ALL ULB (Nagar Parishad/ Nagar Palika)
EW4	Control E-Waste related pollution								
EW4a		Does informal trading, dismantling, and recycling of e-waste exists in District	[Yes] / [No]	No					RPCB

EW4b		Does the administration closed illegal E-Waste recycling in the District	[Yes] / [No] / [Nos]		NO	NO	NO	NO	ALL ULB (Nagar Parishad/ Nagar Palika)
EW4c		No of actions taken to close illegal trading or processing of E-Waste	[Nos]	0					RPCB
EW5	Creation of Awareness on E-Waste handling and disposal								
EW5a		Does PROs / Producers conducted any District level Awareness Campaigns	[Yes] / [No] / [Nos]		No	No	No	No	ALL ULB (Nagar Parishad/ Nagar Palika)
EW5c		Does District Administration conducted any District level Awareness Campaigns	[Yes] / [No] / [Nos]		No	No	No	No	ALL ULB (Nagar Parishad/ Nagar Palika)

**E- Waste Management plan for the district is as follows:**

<b>Sl No</b>	<b>Action Points</b>	<b>Strategy and approach</b>	<b>Stake holders responsible</b>
1.	Collection of E-Waste	<ul style="list-style-type: none"><li>• Collection Centers to be established by ULBs in District</li><li>• Door to door collection</li><li>• Authorizing E-Waste collectors</li></ul>	EO of ULBs
2.	Control E-Waste related pollution and Awareness	<ul style="list-style-type: none"><li>• Creation of Awareness on E-Waste handling and disposal</li></ul>	Dist Administration, GM DI&CC, ULBs NGOs

## **CHAPTER 2 - WATER QUALITY MANAGEMENT PLAN**

There is no polluted river stretch or waste water producing industry in the district. However, time to time surprise checking would be done to ensure that no untreated water from any industry is released in the water bodies.

**1- BASELINE DATA FOR WATER QUALITY MANAGEMENT (only fill the details concerning to your department)**

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Measurable Outcome for District	ULB 1	ULB2	ULB3	ULB4	Action to be taken by
WQ1	Inventory of water resources in District				ANTA	BARAN	CHHABRA	MANGROL	
WQ1a		Rivers	[Nos] and [Length in Km]	15 682 Km Total-Rural	0	0	0	0	Water Resources Department
WQ1b		Length of Coastline	[in Km]	0	0	0	0	0	Water Resources Department
WQ1c		Nalas/Drains meeting Rivers	[Nos]	7 Urban 19 Rural Total-26	1	4	1	1	Water Resources Department
WQ1d		Lakes / Ponds	[Nos] and [Area in Hectares]	45 14600 Hectares Total Rural	0	0	0	0	Water Resources Department
WQ1e		Total Quantity of sewage and industrial discharge in District	[Automatic] (SW1a+IW1b)	1 (Under Process)	0	1	0	0	Water Resources Department
	Control of Groundwater Water Quality								
WQ2a		Estimated number of bore-wells	[Nos]	Anta-20, Atru-25, Baran-16, Chhabra-5, Chhipabarod-6, Kishanganj-7, Shahbad-5 (Monitoring Networks- Piezometers) Total = <b>84</b> (Rural Only)	0	0	0	0	Ground water department
WQ2b		No of permissions given for extraction of groundwater	[Nos]	Anta -21, Baran-09, Chhipabarod -04, Kishanganj-47, Shahbad-05 Total Feasibility Release (Current financial year) = <b>86</b> (Rural Only)	0	0	0	0	Ground water department



No.	Action Areas	Details of Data Requirement	Measurable Outcome	Measurable Outcome for District	ULB 1	ULB2	ULB3	ULB4	Action to be taken by
WQ2c		Number of groundwater polluted areas	[Nos]	Related to PHED / Pollution Control Board <b>3 (Rural Area)</b> Kishanganj-2 Shabad-1	0	0	0	0	Ground water department
WQ2d		Groundwater Availability	[adequate] / [not adequate]	<b>Adequate</b> As per assessment as on 31.03.2017 blockwise position is as under 1. Block Anta : Semicritical 2. Block Atru : Over-Exploited 3. Block Baran : Over-Exploited 4. Block Chhabra : Over-Exploited 5. Block Chhipabarod : Over-Exploited 6. Block Kishanganj : Semicritical 7. Block Shahbad : Semicritical					Ground water department
WQ3	Availability of Water Quality Data								
WQ3a		Creation of monitoring cell	[Yes] / [No]	Yes					Ground water department
WQ3b		Access to Surface water and groundwater quality data at DM office (Rural only)	[Available] or [Not available]	Related to PHED / Pollution Control Board	Not Available	Not Available	Not Available	Not Available	Ground water department
WQ4	Control of River side Activities								
WQ4a	Control of River side Activities	River Side open defecation	[Fully Controlled] / [Partly controlled] / [no Measures taken]		Fully Controlled	Fully Controlled	Fully Controlled	Fully controlled	ALL ULB (Nagar Parishad/ Nagar Palika)

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Measurable Outcome for District	ULB 1	ULB2	ULB3	ULB4	Action to be taken by
WQ4b		Dumping of SW on river banks	[Fully Controlled] / [Partly controlled] / [no Measures taken]		Fully Controlled	Fully Controlled	Fully Controlled	Fully controlled	ALL ULB (Nagar Parishad/ Nagar Palika)
WQ4c		Control measures for idol immersion	[Measures taken] / [Measures taken post immersion] / [No Measures taken]		Measures taken	Measures taken	Measures taken	Measures taken	ALL ULB (Nagar Parishad/ Nagar Palika)
WQ5	Control of Water Pollution in Rivers								
WQ5a		Percentage of untreated sewage	[%] (automatic SM1g/SM1a)		not applicable	not applicable	not applicable	not applicable	ALL ULB (Nagar Parishad/ Nagar Palika)
WQ5b		Monitoring of Action Plans for Rejuvenation of Rivers	[Monitored] / [Not monitored] [not applicable]		not applicable	not applicable	Not monitored	Not monitored	ALL ULB (Nagar Parishad/ Nagar Palika)
WQ5c		No of directions given to industries for Discharge of Untreated industrial wastewater in last 12 months	[Nos]	0					RPCB
WQ6	Awareness Activities								
WQ6a		District level campaigns on protection of water quality	[Nos in previous year]		0	0	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)
WQ6b	Oil Spill Disaster Contingency Plan				NIL	NIL	NIL	NIL	ALL ULB (Nagar Parishad/ Nagar Palika)
WQ6a		Creation of District Oil Spill Crisis Management Group	[Created] / [Not Created]	Not Applicable	Not Created	Not Created	Not Created	Not Created	ALL ULB (Nagar Parishad/ Nagar Palika)
WQ6b		Preparation District Oil Spill	[Prepared] / [Not Prepared]	Not Applicable	Not	Not	Not Prepared	Not Prepared	ALL ULB (Nagar Parishad/ Nagar Palika)

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Measurable Outcome for District	ULB 1	ULB2	ULB3	ULB4	Action to be taken by
		Disaster Contingency Plan			Prepared	Prepared			Palika)
WQ7	Protection of Flood plains								
WQ7a		Encroachment of flood plains is regulated.	[Yes] / [No]		YES	YES	YES	YES	ALL ULB (Nagar Parishad/ Nagar Palika)
	Rainwater Harvesting								
WQ8a		Action plan for Rain water harvesting	[Implemented] / [Not implemented]		Implemented	Implemented	Implemented	implemented	ALL ULB (Nagar Parishad/ Nagar Palika)

**Water Quality Management Plan for the district is as follows:**

<b>No.</b>	<b>Action Points</b>	<b>Strategy and approach</b>	<b>Stake holders responsible</b>
1	Inventory of water resources in District	Inventory of water resources in District covering Rivers and other natural water bodies, Nalas/ Drains meeting Rivers Lakes / Ponds, etc which is to be completed within Nov,2019  Total Quantity of sewage and industrial discharge are also to be assessed	CEO Zilla Parishad DFO ULBs
2	Collection of Water Quality Data	A monitoring cell with representatives from PHE, WR, UWS etc will be constituted. The cell will updated action will be taken accordingly.	EE PHE,
3	Control of Groundwater Water Quality	EE PHE, ULBs	
4	Control of River side Activities	River side activities like River Side open defecation, Dumping of SW on river banks, Idol immersion etc. to be controlled	Dist. Admin EE PHE, BDOs EO of ULBs
5	Awareness Activities	District level campaigns on protection of water quality and Control of Water Pollution in Rivers	EE PHE BDOs
6	Protection of Flood plains	Encroachment of flood plains to be regulated.	Dist. Admin Circle Officers,
7	Rainwater Harvesting	A separate Action plan for Rain water harvesting in line with Govt policy would be prepared.	
8	Repair and treatment of water bodies/Talav	Some water bodies have been identified so far for restoration/ repair/and treatment work	Dist. Admin BDOs Forest Deptt ULB officials CEO zila Parishad Land and water resource deptt

## 2- BASELINE DATA FOR DOMESTIC SEWAGE MANAGEMENT (only fill the details concerning to your department)

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Measurable Outcome for District	ULB 1	ULB 2	ULB 3	ULB 4	Action to be taken by
SM1	Inventory of Sewage Management				ANTA	BARAN	CHHABRA	MANGROL	ALL ULB (Nagar Parishad/ Nagar Palika)
SM1a		Total Quantity of Sewage generated in District from Class II cities and above	[MLD]		0	7.5	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)
SM1b		No of Class-II towns and above	[Nos] 1		0	1	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)
SM1c		No of Class-I towns and above	[Nos] 0		0	0	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)
SM1d		No of Towns needing STPs	[Nos] 06		1	3	1	1	ALL ULB (Nagar Parishad/ Nagar Palika)
SM1e		No of Towns STPs installed	[Nos]		0	7 MLD and 0.5 MLD 2 STPs under construction	4.5	0	ALL ULB (Nagar Parishad/ Nagar Palika)
SM1f		Quantity of treated sewage flowing into Rivers (directly or indirectly)	[MLD]		0	0	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)
SM1g		Quantity of untreated or partially treated sewage (directly or indirectly)	[Automatic]		0	7.5 MLD (Note: after completion of STPs all the Sewage Will be treated )	4.5	0	ALL ULB (Nagar Parishad/ Nagar Palika)
SM1h		Quantity of sewage flowing into lakes	[MLD]		0	0	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)
SM1i		No of industrial townships	[Nos]		0	0	0	0	RPCB

SW2	Adequacy of Available Infrastructure for Sewage Treatment								
SM2a		% sewage treated in STPs	[Automatic]		0	7.5 MLD (Note: after completion of STPs all the Sewage Will be treated )	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)
SM2b		Total available Treatment Capacity	[MLD]		0	7.5 MLD	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)
SM2c		Additional treatment capacity required	[MLD]		0	0	4.5	0	ALL ULB (Nagar Parishad/ Nagar Palika)
SM3	Adequacy of Sewerage Network							0	
SM3a		No of ULBs having partial underground sewerage network	[Nos]		0	0	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)
SM3b		No of towns not having sewerage network	[Nos]	<b>Under Progress</b>	0	0	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)
SM3c		% population covered under sewerage network	[Automatic]		0	0	0	0	ALL ULB (Nagar Parishad/ Nagar Palika)
					0	0	0	0	

**Domestic Sewage Management Plan for the district is as follows:**

<b>SI No</b>	<b>Action Points</b>	<b>Strategy and approach</b>	<b>Stake holders responsible</b>
1	Inventory of Sewage Management	Survey and identification all Households to ensure proper drainage and management of sewage.	ULB
2	Adequacy of Available Infrastructure for Sewage Treatment	<p>1. Some Household may have its own Sewage management infrastructure so as to pull down this water to maintain water level in earth and to reuse this water at various other domestic works after removing contaminants. i.e. Grey water after removing contaminants may be used in gardens, toilet flushing etc.</p> <p>2. All households should be connected to sewage management infrastructure either at home or through proper drain across ULB to Sewage treatment Plant.</p>	Beneficiary, ULB
3	Adequacy of Sewerage Network	Proper drains constructed with proper technique connecting with all Households under ULB to ensure total sewage management.	ULB
4	Inventory of Sewage Management	Survey and identification all Households to ensure proper drainage and management of sewage.	ULB
5	Adequacy of Available Infrastructure for Sewage Treatment	<p>1. Some Household may have its own Sewage management infrastructure so as to pull down this water to maintain water level in earth and to reuse this water at various other domestic works after removing contaminants. i.e. Grey water after removing contaminants may be used in gardens, toilet flushing etc.</p> <p>2. All households should be connected to sewage management infrastructure either at home or through proper drain across ULB to Sewage treatment Plant.</p>	Beneficiary, ULB

#### 4- Industrial Wastewater Management Plan (only fill the details concerning to your department)

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Measurable Outcome for District	Action to be taken by
IWW1	Inventory of industrial wastewater Generation in District				
IWW1a		No of Industries discharging wastewater	[Nos]	5	
IWW1b		Total Quantity of industrial wastewater generated	[MLD]	30.58	
IWW1c		Quantity of treated IWW discharged into Nalas / Rivers	[MLD]	0	
IWW1d		Quantity of un-treated or partially treated IWW discharged into lakes	[MLD]	0	
IWW1e		Prominent Type of Industries	[Agro based] / [ Chemical – Dye etc.] / [Metallurgical] / [Pharma] / [Pesticide] / [Power Plants] / [Mining] / [Automobile] : Multiple selection based on size of operation and number	Large (Thermal Power Station)	
IWW1f		Common Effluent Treatment Facilities	[Nos] / [No CETPs]	No CETPs	
IWW2	Status of compliance by Industries in treating wastewater				
IWW2a		No of Industries meeting Standards	[Nos]	5	
IWW2b		No of Industries not meeting	[Automatic]	0	



		discharge Standards			
IWW2c		No of complaints received or number of recurring complaints against industrial pollution in last 3 months	[Nos]	0	
IWW4	Status of Action taken for not meeting discharge standards			0	
IWW4a		No industries closed for exceeding standards in last 3 months	[Nos]	0	
IWW4b		No of industries where Environmental Compensation was imposed By SPCBs	[Nos]	0	

**5- BASELINE DATA FOR AIR QUALITY MANAGEMENT (only fill the details concerning to your department)**

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Measurable Outcome for District	Action to be taken by
AQ1	Availability of Air Quality Monitoring Network in District				
AQ1a		Manual Air Quality monitoring stations of SPCBs /CPCB	[Nos] / [None]	None	RPCB
AQ1c		Automatic monitoring stations Operated by SPCBs / CPCB	[Nos] / [None]	None	RPCB
AQ2	Inventory of Air Pollution Sources				
AQ2a		Identification of prominent air polluting sources	[Large Industry] / [Small Industry] / [Unpaved Roads] / [Burning of Waste Stubble] / [Brick Kiln] / [Industrial Estate] / [Others] (Multiple selection)	Large (Thermal Power Station, vegetable Oil)/Small Scale (Stone Crusher)	[Large Industry] / [Small Industry]-RPCB/ [Unpaved Roads] -PWD / [Burning of Waste Stubble] - Agriculture Dept/ [Brick Kiln]-RPCB & Tehsildar/ [Industrial Estate]- RPCB/ Other-Vehicular Pollution- Transport Department, Burning of Solid waste- Nagar Parishad/ Nagar Palika
AQ2b		No of Non-Attainment Cities	[Nos / [None]	None	RPCB
AQ2c		Action Plans for non-attainment cities	[Prepared] / [Not yet prepared]	Not yet prepared	RPCB
AQ3	Availability of Air Quality Monitoring Data at DMs Office				

AQ3a		Access to air quality data from SPCBs & CPCB through Dashboard	[Available] / [Not yet Available]	Not yet Available	RPCB
AQ4	Control of Industrial Air Pollution				
AQ4a		No of Industries meeting Standards	[Nos]	16	RPCB
AQ4b		No of Industries not meeting discharge Standards	[Nos]	0	RPCB
AQ5	Control of Non-industrial Air Pollution sources				
AQ5a		Control open burning of Stubble –during winter	[Nos of fire incidents]	During Winter (2019-20) - 29 During Summer (2020)- 2303	Agriculture Department
AQ5b		Control Open burning of Waste – Nos of actions Taken	[Nos]	1 Farmer fined by 2500/-	Agriculture Department
AQ5c		Control of forest fires	[SOP available] / [No SoP]	Yes (Total 16)	Forest Department
AQ5d		Vehicle pollution check centers	[% ULBs covered]	0	ALL ULB (Nagar Parishad/ Nagar Palika)
AQ5e		Dust Suppression Vehicles	[% ULBs covered]	0	ALL ULB (Nagar Parishad/ Nagar Palika)
AQ6	Development of Air Pollution complaint redressal system				
AQ6a		Mobile App / Online based air pollution complaint redressing system of SPCBs.	[Available] / [Not available]	Available	RPCB

**6- BASELINE DATA FOR MINING ACTIVITY MANAGEMENT (only fill the details concerning to your department)**

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Measurable Outcome for District	Action to be taken by
MI1a	Inventory of Mining in District				
MI1a		Type of Mining Activity	[Sand Mining] / [Iron Ore] / [Bauxite] / [Coal] / Other [specify]	Masonry stone Sand Stone Total – 38 Mingleasy	Mining Department
			Multiple selection in order of magnitude of operations	Masonry stone-36 Sand Stone-2 Total – 38 Mingleasy	Mining Department
MI1b		No of Mining licenses given in the District	[Nos]	38	Mining Department
MI1c		Area covered under mining	[Sq Km]	0.3861	Mining Department
MI1d		Area of District	[Sq Km]	6992	Mining Department
MI1e		Sand Mining	[Yes] / [No]	No	Mining Department
MI1f		Area of sand Mining	[River bed] / [Estuary] / [Non -river deposit]	0	Mining Department

MI2	Compliance to Environmental Conditions				
MI2a		No of Mining areas meeting Environmental Clearance Conditions	[Nos]	38	Mining Department
MI2b		No of Mining areas meeting Consent Conditions of SPCBs / PCCs	[Nos]	35	Mining Department
MI3a	Mining related environmental Complaints			No	
MI3b		No of pollution related complaints against Mining Operations in last 1 year	[Nos]	0	RPCB
MI4	Action against non-complying mining activity				
MI4a		No of Mining operations suspended for violations to environmental norms	[Nos]	0	Mining Department
MI4b		No. of directions issued by SPCBs	[Nos]	0	RPCB

## **CHAPTER 7 - NOISE POLLUTION MANAGEMENT PLAN**

Noise can be defined as unwanted or undesired sound and Noise pollution simply means when there is a lot of noise in the environment which is consequentially harming the environment. Like smoking, noise pollution affects active and passive recipients when noise levels cross certain safe boundaries. Noise pollution affects both human health and behavior. Noise pollution also impacts the health and well-being of wildlife.

Most activities that cause pollution are essential to meet the needs of the growing population and development. Therefore preventive measures to minimize pollutants are more practical than their elimination

**7- BASELINE DATA FOR NOISE POLLUTION MANAGEMENT (only fill the details concerning to your department)**

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Measurable Outcome for district	ULB1	ULB2	ULB3	ULB 4	Action to be taken by
NP1	Availability Monitoring equipment				ANTA	BARAN	CHHABRA	MANGROL	
NP1a		No. of noise measuring devices with district administration	[Nos] / [None]	7					Police
NP1b		No. of noise measuring devices with SPCBs	[Nos] / [None]	2 available Pcb of kota	0	0	0	0	RPCB
NP2	Capability to conduct noise level monitoring by State agency / District authorities								
NP2a		capability to conduct noise level monitoring by State agency / District authorities	[Available] / [Not available]	Not available	N.A.	N.A.	N.A.	N.A.	Police
NP2	Management of Noise related complaints								
NP2a		No of complaints received on noise pollution in last 1 year	[Nos]	Nil	0	0	0	0	Police
NP2b		No of complaints redressed	[Nos]	Nil	0	0	0	0	Police
NP3	Compliance to ambient noise standards								
NP3a		Implementation of Ambient noise standards in residential and silent zones	[Nos]	Nil	0	0	0	0	Police
NP3b		Noise monitoring study in district	[carried out] / [not carried out]	carried out	0	1	0	0	RPCB
NP3c		Sign boards in towns and cities in silent zones	[Installed] / [Partial] / [Not Installed]		Not Installed	Not Installed	Not Installed	Not Installed	ALL ULB (Nagar Parishad/ Nagar Palika)

**Noise Pollution Management plan for the district is as follows**

<b>Sl No</b>	<b>Action Points</b>	<b>Strategy and approach</b>	<b>Stake holders responsible</b>
1	Noise level Monitoring	<ul style="list-style-type: none"> <li>• PCB or its authorized Agency will conduct Noise level Monitoring.</li> <li>• Monitoring equipment/ noise measuring devices will be procured.</li> </ul>	PCB
2	Categorization of areas	<ul style="list-style-type: none"> <li>• Categorisation of areas into industrial, commercial residential or silence areas/zones will be completed soon.</li> <li>• Sign boards will be installed in Silent zones.</li> </ul>	PCB All EO of ULBs
3	Restriction on use of loud speakers/ PA system etc and monitoring	<ul style="list-style-type: none"> <li>• Loud speaker or a public address system will not allow to be used without obtaining written permission from the authority.</li> <li>• A loud speaker or a public address system will not allow to be used at night (between 10.00 p.m. to 6.00 a.m.)</li> <li>• Special team for monitoring during festivals.</li> </ul>	District Administration
4	Monitoring of polluting vehicle	<p>DTO will take steps for monitoring/ checking of vehicles to ensure environmental norms are followed by the vehicles.</p> <p>Such vehicles are checked on the road daily and action take and made challans of such polluted vehicles. made challans details are follows-</p> <p>.</p>	DTO
5	Creation of Awareness	Steps will be taken to make	Dist Administration/ NGOs