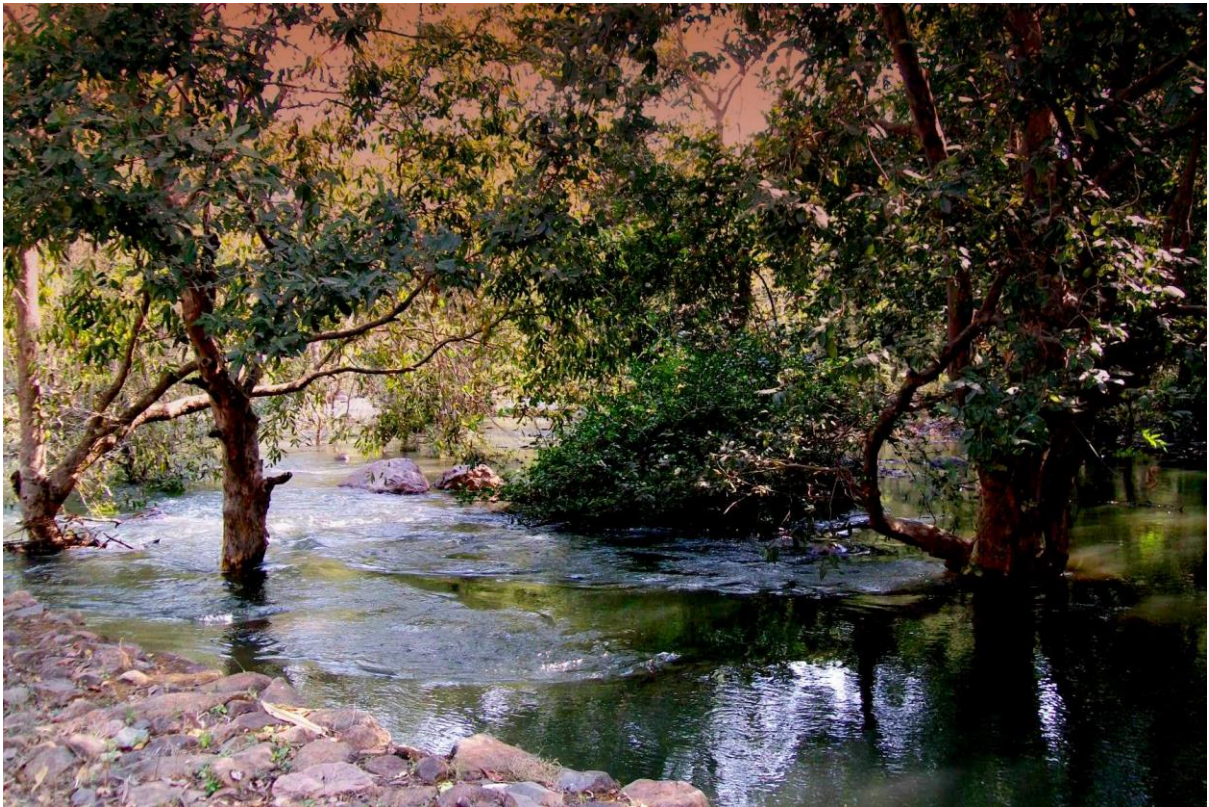


District Environmental Plan Pratapgarh



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0.0 ABOUT THE DISTRICT

On 26th January 2008 Pratapgarh got the proud of being 33rd district shown on the map of Rajasthan. It is created by the areas taken from Udaipur, Banswara and Chittorgarh districts. As a newly created district Pratapgarh includes the tehsil area Arnod, Pratapgarh and Chhoti Sadri from Chittorgarh district, Dhariawad from Udaipur district and Peepalkhoont from Banswara district. Pratapgarh is situated in the southeastern part of Rajasthan in Chittorgarh district. The area adjoins Udaipur and Bhilwara districts of Rajasthan and Mandsoor district of Madhya Pradesh. It is situated at the junction of the Aravali mountain ranges and the Malwa Plateau; hence the characteristics of both prominently feature in the area. Pratapgarh is located at 24.03° North & 74.78° East. It has an average elevation of 491 meters (1610 feet). Well known for pure gold and glass-inlay handmade unique jewellery called "Thewa".

Covered with natural beauty and lifestyle of Vagad, Mewad and Malwa this new district is famous by the name of KANTHAL. Tribble dominated population is the rich Ganga-Jamuna culture of this district.

From the historical view, this is a place where the emperors of Mewar Rajwansh ruled which has been famous as a name of Devaliya state in the history whose capital has been situated 10 Km. west from Pratapgarh named avasthit devaliya town. District's sub-tehsil Devgarh's historical fort on which roof clock is placed which is created to show the time from sunlight. In the fort historic remains of royal houses is yet available. Devgarh's then Emperor Maharaval Pratap Singh of independent Rajasthan established the "Pratapgarh" nagar which is covered by perkota (boundary walls) from four directions. In the perkota (boundary walls) there are 56 link roads and 6 important city gates which show its design and citizens lifestyle. Just after independance, from 1948 to 1952, it was district headquarter but after reorganization of districts due to administrative and political issues district headquarter has been changed.

Pratapgarh also have good scope of Eco Tourism. The Sita Mata Wildlife Sanctuary encompasses good Fauna and Flora; if you are lucky you can spot Flying squirrel, Black Naped Monarch, Lesser Florican etc.

1.0 INTRODUCTION

In the process of development, the issues confronting today are achieving desired development for economic or social reasons on one hand and safeguarding the environment and maintaining good quality of life on the other. The developmental activities being haphazard and un-controlled are leading to overuse, congestion, incompatible land use and poor living conditions. The problems of environmental pollution are becoming complex and are creating high risk environment.

- Conventionally, the environmental pollution problems are solved by introducing environmental management techniques such as control of pollution at source, providing of sewage treatment facilities etc.
- The environmental aspects are to be induced into each of the developmental activities at the planning stage itself and are to be well co-ordinate and balanced.
- For all developmental activities, a crucial input is land and depending on the activity a specific land use is decided. The environmentally related land use such as trade and industry, housing construction, mining etc. is likely to have some impact on the environment. These land uses need proper planning and integration as some of the activities have interdependencies such as industry with transport, housing etc.

Besides Climate change is now affecting every country on every continent. It is disrupting national economies and affecting lives, costing people, communities and countries dearly today and even more tomorrow. Weather patterns are changing, sea levels are rising, and weather events are becoming more extreme and greenhouse gas emissions are now at their highest levels in history. Without action, the world's average surface temperature is likely to surpass 3 degrees centigrade this century.

Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs. Sustainability defines the models necessary to ensure the survival of the human race and planet Earth. This includes ways to slow or reverse pollution, conserve natural resources and protect our environment.

The principle of 7R is essential strategy for achieving the sustainability. It reduces the load and over exploitation on the natural resources and is a key for resource efficiency.

2.0 OBJECTIVES: -

The Objectives of District Environment and Management Plan (DEMP) are given below:

1. To ensure conservation of environment and natural resources at district level.
2. Restore ecological balance.
3. To harness active participation of all stakeholders in planned environment conservation actions.
4. Assess, Mitigate and monitor adverse impacts of various pollution sources at district level.
5. Capacity building of stakeholder, department, agencies, organizations and individuals at district level to understand and implement micro level environmental conservation actions.
6. To harness inter-departmental coordination for implementation of action plans.
7. To develop local knowledge centers and expertise for developing environmental conservation strategies at district level.
8. To develop and implement micro monitoring system at district level.

3.0 NGT DIRECTIONS:

- a. Hon'ble NGT in last one year has issued several directions in various matters and various issues relating to environment management and these are to be executed by the Central and State Governments and concerned institutions. Further, the Directions are required to be executed at District Level covering all cities, towns and villages.

The role and responsibilities of enforcement are with District Collector/Magistrate, Pollution Control Board, Municipal Bodies, Public Health Engineering Departments and others.

The present state level execution and monitoring mechanism on various State and Central Government's Schemes are monitored by Chief Minister/ Chief Secretary with District Collector/Magistrate.

- b. Various Directions of NGT to be covered in District Environment Management Plan

3.1 ISSUES REQUIRING ACTIONS:

As per the directions of the Hon'ble NGT, District Collector/Magistrate through District Level Committee is required to act on the following issues:

a) **WASTE MANAGEMENT**

- a. Municipal Solid Waste (MSW) including remediation of legacy waste dumpsites.
- b. Plastic waste management
- c. Bio-medical waste management
- d. Construction and demolition waste
- e. Hazardous Waste Management
- f. E-waste Management

b) **Industries to comply with Water (Prevention and Control of Pollution) Act, 1974** ensuring proper functioning of common effluent treatment plants (CETPs). Environment Compensation (EC) on "Polluter Pays" Principle is required to be imposed to utilize for restoration of environment.

c) Ensure cities, towns and villages provide **proper sewage management facilities** in a time-bound manner or else will be liable to pay EC in case of default and further required to ensure **utilization of treated sewage for non-potable purpose**.

d) Regulation of **sand mining** to check illegal sand mining and recover compensation. Proper restoration of exhausted mining sites as per Environmental Plan.

e) For conservation and protection of water sources.

3.2 ACTIONS TO BE TAKEN:

The Tribunal has issued detailed directions on each issue for enforcement which are to be executed in accordance with the Acts/Rules. However, for ensuring visible impactful changes and taking immediate actions on certain issues, following actions are suggested below:

3.2.1 **Solid Waste Management**

- i. Strengthen waste collection, storage and transportation system. Set up surveillance squads/Task Forces at Ward/Circle level. Attend vulnerable sites/locations and clean them.
- ii. Prohibiting burning of garbage.

3.2.2 Plastic Waste

Prohibitions on use plastic carry bags.

3.2.3 Bio-Medical Waste

- i. Hospitals, Clinics and Nursing Homes whenever generate or provide Bio-medical waste which should be disposed as CBMWTF.
- ii. Cities, towns and villages may tie-up individually or collectively to transport bio- medical waste to the common treatment plants.

3.2.4 Construction and Demolition Waste

- i. Public notices may be issued that construction and demolition waste should only be disposed at pre-identified/notified sites.
- ii. Setting up construction and demolition waste processing facilities by Municipal Authorities.

3.2.5 Restoration of Polluted River Stretches

- i. A river whether seasonal or perennial, should not be misused for disposal of sewage, garbage or any other waste into it.
- ii. Identify the specifically drains discharging sewage/industrial effluents into the river and intercept them and divert to the sewage treatment plant.
- iii. Public awareness and awareness at the level of schools and colleges may be taken up.

3.2.6 Maintaining Air Quality in Cities, Towns and Villages

- i. RPCB may undertake monitoring of ambient air quality in a phased manner covering all cities and towns for wider coverage.
- ii. Surveillance squads/ task forces may be set up at Ward and Circle level to prohibit burning of garbage and other waste by municipal authorities.
- iii. Open parks, dilapidated roads and other sources of dust pollution should be identified and actions be taken to prevent the suspension of dust from such sources by repairing the roads etc by concerned department.

3.2.7 Industrial Pollution Control

- i. Rajasthan State Pollution Control Board should ensure that all industries comply with the Water Act, 1974, the Air Act, 1981 and Environment (Protection) Act, 1986.
- ii. Industries discharging waste water and not having effluent treatment plant are closed down as per Water Act and Air Act till compliance is achieved.

3.2.8 Sewage Treatment and Utilization

- i. Every city, town should have time-bound plan to set up sewage management facility.
- ii. Intermediate remedial methods may be employed till sewage drains are intercepted and diverted to STP.
- iii. Treated sewage may be utilized for sprinkling on dust emitting sources for gardening and other non-potable purposes.

3.2.9 Regulation of Sand Mining

- i. Special Police Forces along with Mining Department personnel may be deployed for patrolling sand mining areas, sand mining/stone quarrying to check illegal mining/quarrying.
- ii. Mining's rehabilitation & restoration plans should be ensured to be complied by Mining Department.

3.2.10 Rejuvenation of water bodies/rain water harvesting and ground water conservation

Ponds/water bodies may be identified at each city, town and village level and cleaned and not allowing sewage and solid waste disposal in such ponds by the Municipal authorities and Panchayat level.

State Ground Water Board to ensure ground water quality testing particularly shallow hand pumps, and deep bore wells to check fitness for consumption.

3.2.11 Hazardous and Other Waste Management

- i. Illegal transportation of hazardous may be monitored.
- ii. Unauthorized dumping of hazardous must be checked.

3.2.12E-Waste

- i. Setting up of collection centers for e-waste.
- ii. Setting up of dismantling and recycling plants either at State level or District level.

3.3 IMMEDIATE ACTIONS:

On urgent basis, to bring visible impactful changes in public, following actions may be considered;

- i. Work expeditiously to focus cleanliness with enforcement of waste management rules including thrust on Air and Water Quality Management.
- ii. In city and towns identify garbage littered areas/localities and clean them and publicize them.
- iii. Set up construction and demolition waste processing centers.

- iv. Clear encroachment from, river banks/lake/pond and beautify them.
- v. Vigilance and stop burning of waste and cover dusty areas/activities.
- vi. Immediately sensitize schools, colleges and other voluntary organizations for creating awareness. Education Department to be involved.

4.0 SEGMENTS OF DISTRICT ENVIRONMENT MANAGEMENT PLAN (DEMP)

4.1 Pollution Control And Resource Management Plan:

“The proposed Model Action Plan for 7 thematic areas”

4.1.1 Waste Management Plan

4.1.1.1 Solid Waste Management Plan (For Each ULB)

Solid Wastes (Management & Handling) Rules, 2016 (SWM Rules) are applicable to every municipal authority responsible for collection, segregation, storage, transportation, processing and disposal of municipal solid waste.

BASELINE DATA FOR SOLID WASTE MANAGEMENT

No.	Action Areas	Details of Data Requirement	Units of Measurable Outcome	Please enter Measurable Outcome for District	ULB1	ULB2
	Name of Urban Local Body (ULB)		[name of ULB]	Pratapgarh	Nagarpalika Chhotisadri	Nagar Parishad Pratapgarh
	No of ULBs in the District		[Nos]	2	1	1
	Population		[Nos as per 2011 census]	60439	18360	42079
SW1	Report on inventory of total solid waste Generation					
SW1a		Total solid waste Generation	[in MT/Day] or [Not estimated]	12.4	0.4	12
SW1b		Qty. of Dry Waste segregated	[in MT/Day] or [Collection Not initiated]	4.5	Collection Not initiated	4.5
SW1c		Qty. of Wet Waste segregated	[in MT/Day] or [Collection Not initiated]	3	Collection Not initiated	3
SW1d		Qty. of C&D Waste segregated	[in MT/Day] or [Collection Not initiated]	2.1	0.1	2
SW1e		Qty. of Street Sweeping	[in MT/Day] or [Not estimated]	1.75	Not estimated	1.75
SW1f		Qty. of Drain Silt	[in MT/Day] or [Not estimated]	2.5	Not estimated	2.5
SW1g		Qty. of Domestic Hazardous Waste(DHW) collected	[in MT/Day] or [No Facility]		No Facility	RED BOXES TENDER BIENG PROCESSED
SW1h		Qty. of Other Waste (Horticulture, sanitary waste, etc.)	[in MT/Day] or [Qty not estimated]	0	Qty not estimated	0
SW1i		No of Old dump sites	[Nos] or [None]	1	1	[None]

No.	Action Areas	Details of Data Requirement	Units of Measurable Outcome	Please enter Measurable Outcome for District	ULB1	ULB2
SW1j		Qty stored in dumpsites	[MT] or [Not estimated]	180	180	0
SW1k		No of Sanitary landfills	[Nos] or [None]	0	0	[None]
SW1l		No of wards	[nos]	20	20	[nos]
SW2	Compliance by Bulk Waste Generators			0		0
SW2a		No of BW Generators	[numbers] or [inventory not done]	10	0	10
SW2b		No of on-site facilities for Wet Waste	[numbers] or [No data]	0	0	0
SW3	Compliance in segregated waste Collection SW Collection					
SW3a		Total generation	[Automatic] from SW1a	0.4	0.4	0
SW3b		Wet Waste	[in MT/Day] or [Collection Not initiated]	0	Collection Not initiated	0
SW3c		Dry Waste	[in MT/Day] or [Collection Not initiated]	0	Collection Not initiated	0
SW3d		C&D Waste	[in MT/Day] or [Collection Not initiated]	0.1	0.1	Collection Not initiated
SW4	Waste Management Operations					
SW4a		Door to Door Collection	[100%] / [partial %] / [not initiated]	100.00%	100%	100%

No.	Action Areas	Details of Data Requirement	Units of Measurable Outcome	Please enter Measurable Outcome for District	ULB1	ULB2
SW4b		Mechanical Road Sweeping	[100%] / [partial%] / [not initiated]	30%	not initiated	30%
SW4c		Manual Sweeping	[100%] / [partial%]	75%	100%	70%
SW4d		Segregated Waste Transport	[100%] / [partial %] / [not initiated]	100%	not initiated	100%
SW4e		Digesters (Bio-methanation)	[% of WW] / [not initiated]	not initiated	not initiated	[not initiated]
SW4f		Composting operation	[% of WW] / [not initiated]	not initiated	not initiated	100%
SW4g		MRF Operation	[MRF used] / [not installed]	not initiated	not initiated	[MRF used]
SW4h		Use of Saniatry Landfill	[% of SW collected] / [no SLF]	no SLF	no SLF	no SLF
SW4i		Reclamation of old dumpsites	[initiated] / [not initiated]	not initiated	not initiated	not initiated
SW4j		Linkage with Waste to Energy Boilers / Cement Plants	[initiated] / [not initiated]	not initiated	not initiated	initiated
SW4k		Linkage with Recyclers		0	not initiated	0
SW4l		Authorization of waste pickers	[initiated] / [not initiated]	not initiated	not initiated	not initiated
SW4m		Linkage with TSDF / CBMWTF	[initiated] / [not initiated]	not initiated	not initiated	not initiated
SW4n		Involvement of NGOs	[initiated] / [not initiated]	not initiated	not initiated	[initiated]
SW4o		Linkage with Producers / Brand Owners	[initiated] / [not initiated]	not initiated	not initiated	[initiated]

No.	Action Areas	Details of Data Requirement	Units of Measurable Outcome	Please enter Measurable Outcome for District	ULB1	ULB2
SW4p		Authorisation of Waste Pickers		2	0	2
SW4q		Issuance of ID Cards	[initiated] / [not initiated]	not initiated	not initiated	[initiated]
SW5	Adequacy of of Infrastructure					
SW5a		Waste Collection Trolleys	[Nos. Required] / [Nos. Available]	49	49	[Nos. Available]
SW5b		Mini Collection Trucks	[Nos. Required] / [Nos. Available]	3	3	[Nos. Available]
SW5c		Segregated Transport	[yes] / [no] / [% area covered]	100%	no	100%
SW5d		Bulk Waste Trucks	[Nos. Required] / [Nos. Available]	1	0	1
SW5e		Waste Transfer points	[Nos. Required] / [Nos. Available] / [Not available]		Not available	Nos. Available]
SW5f		Bio-methanation units	[Nos. Required] / [Nos. Available]		0	Nos. Available]
SW5h		Composting units	[Nos. Required] / [Nos. Available]		0	Nos. Available]
SW5i		Material Recovery Facilities	[used or installed] / [not available]		[not available]	Nos. Available]
SW5k		Waste to Energy (if applicable)	[Required] / [Nos. Available]		0	Nos. Available]
SW5l		Waste to RDF	[Required] / [Nos. Available]		0	not available
SW5m		Sanitary Land fills	[Nos] / [Nos. Available]		0	not available

No.	Action Areas	Details of Data Requirement	Units of Measurable Outcome	Please enter Measurable Outcome for District	ULB1	ULB2
SW5n		Capacity of sanitary landfills	[MT] // [Nos. Available]		0	not available
SW5o		Waste Deposit Centers (DHW)	[Nos] / [Nos. Available]		0	not available
SW5p		Other facilities	[give or select from list]		2 Tractors for Waste Transfortation	NIL
SW6	Notification and Implementation of By-Laws					
SW6a		Notification of By-laws	[done] / [in progress] / [not initiated]	Done	Done	[done]
SW6b		Implementation of by-laws	[done] / [in progress] / [not initiated]	Done	Done	[done]
SW7	Adequacy of Financial Status of ULB					
SW7a		CAPEX Required	[INR] / [Not required]		9000000 Rs.	required
SW7b		OPEX	[INR per Year] / [% of requirement]		18920000	522/2018
SW7c		Adequacy of OPEX	[Yes] / [No]		[No]	NO

Note: - Action to be taken by respective Municipal authorities on all earmarked activities (**BOLD**).

ACTION PLAN FOR SOLID WASTE MANAGEMENT

S. No.	Action Points	Timelines	Department/ Agencies
1.	Door to Door collection of municipal solid waste as per SWM Rules- 2016 Segregation at source of solid waste Regular pest control system	Regular activity	Municipal authorities
2.	Collection, Segregation, Transport and Disposal of Solid Waste in city	Regular activity	Municipal authorities /Development Authorities /Industries.
3.	Segregation at source of solid waste.	Regular activity	Municipal authorities /Development Authorities /Waste Generator.
4.	Plantation of area specific types of plants to mitigate pollution Regular cleaning of drains and disposal of sludge In house disposal of Municipal Solid Waste in industrial areas as per SWM Rules-2016.	Regular activity	Department of Industries.
5.	Development of new MSW facility Establishment of Bio-compost RDF and waste to energy plant.	Immediate	ULBs
6.	Preventing solid waste entering into water bodies – installation of bar mesh in Nallahs & Drains.	Immediate	ULBs
7.	GPS enabled vehicles for waste transportation & user friendly mobile app.	Immediate	ULBs
8.	Redressal of complaints	Regular activity	ULBs
9.	Actions against defaulters of Solid Waste Management Rules- 2016	Immediate	ULBs
10.	Information, Education and Communication (IEC) activities for source segregation.	Regular activity	ULBs

4.1.1.2 PLASTIC WASTE MANAGEMENT (FOR EACH ULB)

Plastic products become an integral part of our daily life. That's why Plastic became menace worldwide as plastic polymer is produced at a massive scale worldwide. On an average, production of plastic crosses 150 Million tones globally per year. It has wide application in packaging, films, wrapping materials, shopping and garbage bags, fluid containers, clothing, toys, household and industrial products and building materials.

BASELINE DATA FOR PLASTIC WASTE MANAGEMENT

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Please enter Measurable Outcome for District	ULB1	ULB2
	Name of ULB		[name of ULB]	Pratapgarh	Nagarpalika Chhotisadri	Nagar Parishad Pratapgarh
	Population		[Nos as per 2011 census]	60439	18360	42079
PW1	Inventory of plastic waste generation					
PW1a		Estimated Quantity of plastic waste generated in District	[MT/day] / [Not Estimated]		Not Estimated	nil
PW2	Implementation of Collection					
PW2a		Door to Door collection	[100%] / [partial %] / [not initiated]	100%	100%	[100%]
PW2b		Segregated Waste collection	[100%] / [partial %]	100%	partial %	[100%]
PW2c		Plastic waste collection at Material Recovery Facility	[MRF used] / [not installed]		[not installed]	[MRF used]
PW2d		Authorization of PW pickers	[Nos] / [not initiated]	10	[not initiated]	10
PW2e		PW collection Centers	[Nos] / [not established]	1	[not established]	1

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Please enter Measurable Outcome for District	ULB1	ULB2
PW3	Establishment of linkage with Stakeholders					
PW3a		Established linkage with PROs of Producers	[Nos] / [not established]		not established	[Nos]
PW3b		Established linkage with NGOs	[Nos] / [not established]		not established	[Nos]
PW4	Availability of facilities for Recycling or utilization of PW					
PW4a		No. of PW recyclers	[Nos]	0	0	[Nos]
PW4b		No Manufacturers	[Nos]	0	0	[Nos]
PW4c		No of pyrolysis oil plants	[Nos]	0	0	[Nos]
PW4d		Plastic pyrolysis	[Quantity in MT sent per Month]	0	0	nil
PW4e		Use in road making	[Quantity MT used per Month]	0	0	nil
PW4f		Co-processing in Cement Kiln	[Quantity in MT sent per Month]	0.074	0.074	nil
PW5	Implementation of PW Management Rules, 2016					
PW5a		Sealing of units producing < 50-micron plastic	[All sealed] / [Partial] / [no action]		[Partial]	[All sealed]
PW5b		Prohibiting sale of carry bags < 50 micron	[Prohibited] / [Partial] / [no action]		[Prohibited]	[Prohibited]

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Please enter Measurable Outcome for District	ULB1	ULB2
PW5c		Ban on Carry bags and other single use plastics as notified by State Government	[Implemented] / [Partial] / [no action] / [No Ban]		[Implemented]	[Implemented]
PW6	Implementation of Extended Producers Responsibility (EPR) through Producers/Brand-owners					
PW6a		No of Producers associated with ULBs	[Nos] / [None]		None	[None]
PW6b		Financial support by Producers / Brand owners to ULBs	[Nos] / [None]		None	[None]
PW6c		Amount of PRO Support	[Rs...]		None	[Rs...]
PW6d		Infrastructure support by Producers / Brand owners to ULBs	[Nos of Producers] / [None]		None	[Nos of Producers] / [None]
PW6e		No of collection centers established by Producers / Brand owners to ULBs	[Nos] / [None]		None	[Nos] / [None]

Note: - Action to be taken by respective Municipal authorities on all earmarked activities.

ACTION POINTS FOR PLASTIC WASTE MANAGEMENT

S. No.	Action Points	Timelines	Department/ Agencies
1.	Door to Door plastic waste collection.	Regular activity	ULBs
2.	Setting up of decentralized waste processing facilities by bulk waste generators.	Immediate	ULBs/ Mandi Parishad/ Bus Stand/ Hotels/ Institutions etc.
3.	Plastic waste segregation at Source.	Regular activity	ULBs/Waste generators
4.	Management by Waste Generator (Use of Plastic Carry Bags, Plastic Sheets, extended product life cycle, Cover Made of Plastic Sheets and Multi Layered Packaging).	Immediate	ULBs/ Panchayati Raj
5.	Utilization of Non-recyclable plastic waste (Road Construction, Waste to Fuel, Waste to energy, alternative uses identification etc).	As per requirement	ULBs/PWD
6.	Engaging Civil Societies working with Waste Picker.	Immediate	ULBs
7.	Ban on Carry bags and other single use plastics as notified by State Government.	Immediate	ULBs
8.	Ensuring no open burning and littering.	Immediate	ULBs/ Panchayati Raj
9.	Submission of Annual Report to CPCB.	Annually	RPCB
10.	Preventing plastic waste entering into water bodies – installation of bar mesh in Nallahs & Drains.	Immediate	ULBs
11.	Information, Education & Communication (IEC) for plastic waste management.	Regular Activity	ULBs/ NGOs/ Education Department

4.1.1.3 CONSTRUCTION & DEMOLITION WASTE MANAGEMENT

Safe and cost-effective management of construction & demolition wastes is a significant environmental challenge for modern society. Due to rapid urbanization is changing the nature of construction & demolition wastes management from a low priority, localized issue to a pervasive social and environmental problem with risks to public health and environment. Inadequately managed waste disposal has the potential to affect the health and environment. Construction and demolition waste" means waste comprising of building materials, debris and rubble resulting from construction, re-modeling, repair and demolition of any civil structure”.

BASELINE DATA FOR CONSTRUCTION & DEMOLITION WASTE

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Please enter Measurable Outcome for District	ULB1	ULB2
	Name of ULB		[name of ULB]	Pratapgarh	Nagar Palika Chhotisadri	Nagar Parishad Pratapgarh
	Population		[Nos as per 2011 census]	60439	18360	42079
CD1	Inventory of C&D waste generation					
CD1a		Estimated Quantity	[Kg/Day] / [Not estimated]	1012 Kg	1000 Kg	12 kg
CD2	Implement scheme for permitting bulk waste generators					yes
CD2a		Issuance of Permissions by ULBs	[Initiated] / [Not initiated]		Not initiated	

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Please enter Measurable Outcome for District	ULB1	ULB2
CD3	Establishment of C&D Waste Deposition centers					
CD3a		Establishment of Deposition Points	[Yes] / [No]		No	yes
CD3b		C&D Deposition point identified	[Yes] / [No]		No	yes
CD4	Implementation of By-Laws for CD Waste Management					
CD4a		Implementation of By-laws	[notified] / [not notified]		notified	[notified]
CD4b		Collection of Deposition / disposal Charges	[Initiated] / [Not initiated]		Initiated	[Not initiated]
CD5	Establishment of C&D Waste recycling plant or linkage with such facility					
CD5a		Establishment CD Waste Recycling Plant	[Established] / [Sent to shared Facility] / [No facility exists]		NO FACILITY EXISTS	[Established]
CD5b		Capacity of CD Waste Recycling Plant	[MT/Day] / [Not available]		Not available	[MT/Day]

Note: - Action to be taken by respective Municipal authorities on all earmarked activities (BOLD).

ACTION PLAN FOR CONSTRUCTION & DEMOLITION WASTE

S. No.	Action Points	Timelines	Department/ Agencies
1.	Approval of Waste Management Plan submitted by Waste Generators before Construction starts.	Immediate	ULBs
2.	Proper collection, transportation, processing and disposal of C&D Waste	Immediate	ULBs/ Waste Generator
3.	Provisions for using materials made by C&D Waste in Construction Activity like paving blocks, lower layers of road pavements, colony and rural roads etc.	Immediate	Urban Development & Housing and Town Planning Department.
4.	Information, Education & Communication (IEC) for C&D waste management.	Regular Activity	ULBs/Development Authority/ NGOs/Education department.
5.	Fix rates to be paid by Waste Generators for Collection, Storage & Transportation of Waste.	Immediate	ULBs

4.1.1.4 BIOMEDICAL WASTE MANAGEMENT

Biomedical waste is defined as “any waste, which is generated during the diagnosis, treatment or immunization of human beings or animals or in research activities pertaining thereto or in the production or testing of biological”. The biomedical waste management and handling has been assuming increasing significance for the past few years. The responsibility of medical administrators as regards proper handling and disposal of this category of waste has now become a statutory requirement with the promulgation of Government of India.

BASELINE DATA FOR BIO-MEDICAL WASTE MANAGEMENT

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Please enter Measurable Outcome for District	ULB1	ULB2
	Name of ULB		[name of ULB]		Nagar palika Chhotisadri	Nagar Parishad Pratapgarh
	Population		[Nos as per 2011 census]	60439	18360	42079
BMW1	Inventory of Biomedical Waste Generation					
BMW1a		Total no. of Bedded Hospitals	42	3	1	2

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Please enter Measurable Outcome for District	ULB1	ULB2
BMW1b		Total no. of non-bedded HCF	1	1	0	1
BMW1c		Total no. Clinics	1	0		
BMW1d		No of Veterinary Hospitals	1	0		
BMW1e		Pathlabs	0	0		
BMW1f		Dental Clinics	1	0		
BMW1g		Blood Banks	0	1		1
BMW1h		Animal Houses	0	0		
BMW1i		Bio-research Labs	0	0		0
BMW1j		Others	0	0		0
BMW2	Authorization of HCFs by SPCBs / PCCs			0		
BMW2a		Bedded HCFs	42	3	1	2
BMW2b		Non-bedded HCFs	3	1	0	1
BMW3a	Biomedical Waste Treatment and Disposal Facilities (CBMWTFs)			0		0

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Please enter Measurable Outcome for District	ULB1	ULB2
BMW3a		No of CBMWTFs	None	0		
BMW3b		Linkage with CBMWTFs	[Yes]	Yes		
BMW3c		Capacity of CBMWTFs	NA	Adequate		
BMW3d		Requirements of CBMWTFs	[not required]	Required		
BMW3e		Captive Disposal Facilities of HCFs	[None]	4	1	3
BMW4	Compliance by CBMWTFs					
BMW4a		Compliance to standards	[NA]	Meeting	Meeting	Meeting
BMW4b		Barcode tracking by HCFs / CBMWTFs	[100%]	100%	100%	100%
BMW4c		Daily BMW lifting by CBMWTFs	[NA]	25	5	20 Kg/Day
BMW5	Status of Compliance by Healthcare Facilities					
BMW5a		Pre-segregation	[100%]	100%	100%	100%
BMW5b		Linkage with CBMWTFs	[95%]	100%	100%	100%

ACTION PLAN FOR BIO-MEDICAL WASTE

S. No.	Action Points	Timelines	Department/ Agencies
1.	Segregation of Bio Medical Waste (BMW) at source of generation in specified Color Coded bags as per Biomedical Waste Management Rule, 2016	Regular Activities	Health Department/ HCFs
2.	GPS enabled vehicles for Biomedical wastes transportation	Immediate	Health Department/ RPCB/ CBWTFs
3.	Implementation of Rules in HCFs & Occupiers.	Immediate	Health Department/ RPCB
4.	Collection of Solid Waste other than BMW from HCFs	Immediate	CBWTFs
5.	<ul style="list-style-type: none"> • Authorization to HCFs and Occupiers • Submission of Annual report to CPCB. 	Immediate	RPCB
6.	Mass awareness campaigns and extensive training programs.	Regular Activity	Health Department
7.	<ul style="list-style-type: none"> • BMW from HCFs Transported, Treated & disposed of in accordance with Rules. • Establish Bar coding & Global Positioning system for handling of BMW. • Training to all workers. Assist Occupier in Training. • Supply Non Chlorinated coloured Plastic Bags to Occupiers. 	Immediate	CBWTFs
8.	<ul style="list-style-type: none"> • Ensure BMW handling as per Rule. • Safe, Ventilated & Secured In house Storage of BMW. • No mixing of BMW with MSW. • Bar code system for Bio-medical waste collection Bags. 	Regular Activity	Occupiers/ HCFs/ CBWTFs
9.	Information, Education & Communication (IEC) for Bio-medical waste management.	Regular Activity	Health Department / NGOs/ Education Department

Note: - The CBM WTDF should act as per above immediately and report compliance.

4.1.1.5 HAZARDOUS WASTE MANAGEMENT

Hazardous waste is those that may contain toxic substance generated from industrial, hospital, some type of household waste. The improper handling, collection, treatment and disposal of hazardous waste material may cause substantial harm to human health or environment. Hazardous wastes can take the form of solids, liquids, sludges or contained gases and they are generated primarily by chemical production, manufacturing, and other industrial activities.

They may cause damage during inadequate storage, transportation, treatment or disposal operations. Improper hazardous-waste storage or disposal frequently contaminates surface and groundwater supplies. People living in homes built near old and abandoned waste disposal sites may be in a particularly vulnerable position. Hazardous wastes are classified on the basis of their biological, chemical, and physical properties. These properties generate materials that are toxic, reactive, ignitable, corrosive, infectious, or radioactive.

BASELINE DATA FOR HAZARDOUS WASTE MANAGEMENT

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Please enter Measurable Outcome for District	ULB1	ULB2
HW1	Inventory of Hazardous Waste			Pratapgarh	Nagar palika Chhotisadri	Nagar Parishad Pratapgarh
HW1a		No of HW Generating Industry	[Nos.]	nos	0	nos
HW1b		Quantity of HW	[MT/Annum]	0	0	0
HW1c		Quantity of Incinierable HW	[MT/Annum]	Nil	0	Nil
HW1d		Quantity of land-fillable HW	[MT/Annum]	0	0	0
HW1e		Quantity of Recyclable / utilizable HW	[MT/Annum]	0	0	0
HW2	Contaminated Sites and illegal industrial hazardous waste dumpsites					
HW2a		No of HW dumpsites	[Nos] / [None]	None	None	None
HW2c		Probable Contaminated Sites	[Nos] (provide list)	-	0	-
HW3	Authorization by SPCBs/PCCs					
HW3a		No of industries authorized	[Nos]	nos	0	nos
HW3b		Display Board of HW Generation in front of Gate	[Nos]	nos	0	nos
HW3	Availability of Common Hazardous Waste TSDF					

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Please enter Measurable Outcome for District	ULB1	ULB2
HW3a		Common TSDF	[Exists] / [No] / [Sent to Other District within State]	Sent to other District within State	No	Sent to other District within State
HW3b		Industries linkage with TSDF	[Nos.]	nos	0	nos
HW4	Linkage of ULBs in District with Common TSDF					
HW4a		ULBs linked to Common TSDFs for Domestic Hazardous Waste	[Yes] / [No]	[Yes]	No	[Yes]

4.1.1.6 E-WASTE MANAGEMENT

Waste electrical and electronic equipment is becoming major threat to the whole world. Rapid growth of technology, up-gradation of technical innovations and a high rate up-gradation by exchanging old electronic items have led to one of the fastest growing waste in the world. Its toxic emissions mixed with virgin soil and air and causing harmful effects to the entire biota either directly or indirectly. Direct impacts include release of acids, toxic compounds including heavy metals, carcinogenic chemicals and indirect effects such as bio magnification of heavy metals. Many private firms are involved in collecting, dismantling, separation and exporting e-wastes for recyclers.

BASELINE DATA FOR E- WASTE MANAGEMENT

No.	Action Areas	Details of Data Requirement	Measurable Outcome	ULB 1	ULB 2	Please enter Measurable Outcome for District
EW1	Status of facilitating authorized collection of E-Waste					
EW1a		Does the citizen are able to deposit or provide E-Waste through Toll-free Numbers in the District	[Yes] / [No]			
EW1c		Collection centers established by ULB in District	[Nos] / [None]			
EW1d		Collection centers established by Producers or their PROs in the District	[Nos] / [None]			
EW1e		Does the district has linkage with authorized E-Waste recyclers / Dismantler	[Yes] / [No]			
EW1f		No authorized E-Waste recyclers / Dismantler	[Nos] / [None]			

EW2	Status of Collection of E-Waste					
EW2a		Authorizing E-Waste collectors	[Authorized] / [None]			None
EW2b		Involvement of NGOs	[Yes] / [No] / [Nos]			
EW2c		Does Producers have approached NGOs/ Informal Sector for setting up Collection Centers.	[Yes] / [No] / [Nos]			
EW2d		Does ULBs have linkage with authorized Recyclers / Dismantlers	[Yes] / [No]			
EW4	Control E-Waste related pollution					
EW4a		Does informal trading, dismantling, and recycling of e-waste exists in District	[Yes] / [No]			
EW4b		Does the administration closed illegal E-Waste recycling in the District	[Yes] / [No] / [Nos]			
EW4c		No of actions taken to close illegal trading or processing of E-Waste	[Nos]			
EW5	Creation of Awareness on E-Waste handling and disposal					
EW5a		Does PROs / Producers conducted any District level Awareness Campaigns	[Yes] / [No] / [Nos]			
EW5c		Does District Administration conducted any District level Awareness Campaigns	[Yes] / [No] / [Nos]			

ACTION PLAN FOR E-WASTE MANAGEMENT

S. No.	Action Points	Timelines	Department/ Agencies
1.	Collection, Segregation and Channelization of e-waste pertaining to orphan products to recyclers/dismantlers	Immediate	ULBs
2.	Segregation of E-waste at source from MSW	Regular Activity	ULBs/ Waste Generator
3.	<ul style="list-style-type: none"> • Ensure no illegal e-waste processing • No dumping of e-waste, HW & other wastes on banks of river • No illegal transportation of e-waste. 	Immediate	District Administration /ULBs/RPCB/RTO
4.	Information, Education & Communication (IEC) for E-waste Management.	Regular Activity	ULBs/ Development Authority/ NGOs /Education department
5.	Authorization to Manufacturers, Dismantlers, Recyclers, Refurbishes.	Immediate	RPCB
6.	Earmarking or allocation of industrial space or shed, abandoned mills/factories for e-waste dismantling/recycling units in industrial clusters	Immediate	Department of Industries.

4.1.2 WATER QUALITY MANAGEMENT PLAN

Systematic management of water resources is necessary to ensure the required balance between development pressures and the safeguarding of the natural and built environment for future generations. The purpose of Water Quality Management Plan is to reduce discharge of pollutants into urban runoff from development projects by reducing or eliminating sources of pollutants, and managing site runoff volumes and flow rates through best Management Practices.

BASELINE DATA FOR WATER QUALITY MANAGEMENT

No.	Action Areas	Details of Data Requirement	Measurable Outcome	ULB 1	ULB 2	Please enter Measurable Outcome for District
WQ1	Inventory of water resources in District					
WQ1a		Rivers	[Nos] and [Length in Km]			6 Nos. , 374 km
WQ1b		Length of Coastline	[in Km]			748 km
WQ1c		Nalas/Drains meeting Rivers	[Nos]			35 Nos.
WQ1d		Lakes / Ponds	[Nos] and [Area in Hectares]			WRD tank 18Nos , 40136.25 Hect. Transferred tank 19 nos 2083 Ha.
WQ1e		Total Quantity of sewage and industrial discharge in District	[Automatic] (SW1a+IW1b)			
	Control of Groundwater Water Quality					
WQ2a		Estimated number of bore-wells	[Nos]			
WQ2b		No of permissions given for extraction of groundwater	[Nos]			
WQ2c		Number of groundwater polluted areas	[Nos]			
WQ2d		Groundwater Availability	[adequate] / [not adequate]			
WQ3	Availability of Water Quality Data					
WQ3a		Creation of monitoring cell	[Yes] / [No]			

WQ3b		Access to Surface water and groundwater quality data at DM office	[Available] or [Not available]			
WQ4	Control of River side Activities					
WQ4a	Control of River side Activities	River Side open defecation	[Fully Controlled] / [Partly controlled] / [no Measures taken]			
WQ4b		Dumping of SW on river banks	[Fully Controlled] / [Partly controlled] / [no Measures taken]			
WQ4c		Control measures for idol immersion	[Measures taken] / [Measures taken post immersion] / [No Measures taken]			
WQ5	Control of Water Pollution in Rivers					
WQ5a		Percentage of untreated sewage	[%] (automatic SM1g/SM1a)			
WQ5b		Monitoring of Action Plans for Rejuvenation of Rivers	[Monitored] / [Not monitored] / [not applicable]			
WQ5c		No of directions given to industries for Discharge of Untreated industrial wastewater in last 12 months	[Nos]			
WQ6	Awareness Activities					
WQ6a		District level campaigns on protection of water quality	[Nos in previous year]			
WQ6b	Oil Spill Disaster Contingency Plan					
WQ6a		Creation of District Oil Spill Crisis Management Group	[Created] / [Not Created]			
WQ6b		Preparation District Oil Spill Disaster Contingency Plan	[Prepared] / [Not Prepared]			

WQ7	Protection of Flood plains					
WQ7a		Encroachment of flood plains is regulated.	[Yes] / [No]			Yes
	Rainwater Harvesting					
WQ8a		Action plan for Rain water harvesting	[Implemented] / [Not implemented]			Implemented

Note:- Action to be taken by respective Municipal authorities on all earmarked activities (Bold).

4.1.3 DOMESTIC SEWAGE MANAGEMENT PLAN

Domestic sewage is generated by domestic activities including toilet, bathroom, clothes washing and kitchen cleaning activities. This sewage water contains high levels of micro-organisms, chemicals (nutrients) and other contaminants capable of causing human illness and adversely impacting on the local environment.

BASELINE DATA FOR DOMESTIC SEWAGE MANAGEMENT

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Please enter Measurable Outcome for District	ULB1	ULB2
SM1	Inventory of Sewage Management				Nagarpalika Chhotisadri	Nagar Parishad Pratapgarh
SM1a		Total Quantity of Sewage generated in District from Class II cities and above	[MLD]		Na	LMB
SM1b		No of Class-II towns and above	[Nos]		0	[Nos]
SM1c		No of Class-I towns and above	[Nos]		0	[Nos]
SM1d		No of Towns needing STPs	[Nos]	1	1	[Nos]
SM1e		No of Towns STPs installed	[Nos]		0	[Nos]
SM1f		Quantity of treated sewage flowing into Rivers (directly or indirectly)	[MLD]		0	[MLD]
SM1g		Quantity of untreated or partially treated sewage (directly or indirectly)	[Automatic]		0	[Automatic]
SM1h		Quantity of sewage flowing into lakes	[MLD]		0	[MLD]
SM1i		No of industrial townships	[Nos]		0	1
SW2	Adequacy of Available Infrastructure for Sewage Treatment					
SM2a		% sewage treated in STPs	[Automatic]		0	0%
SM2b		Total available Treatment Capacity	[MLD]		0	0

SM2c		Additional treatment capacity required	[MLD]		0	0
SM3	Adequacy of Sewerage Network					
SM3a		No of ULBs having partial underground sewerage network	[Nos]		0	0
SM3b		No of towns not having sewerage network	[Nos]	1	1	0%
SM3c		% population covered under sewerage network	[Automatic]		0	0%

ACTION POINT FOR SEWAGE MANAGEMENT

a. SHORT TERM ACTION POINT

S. No.	Action Point	Timeline	Implementing Department/Agency
1	Estimation of total sewage generation from City/Towns where sewage treatment facility does not exist and preparation of DPR for treatment of sewage.		ULBs
2	Measurement of flow & load of all the drains contributing pollution load in Rivers.		ULBs
3	Installation of Bar-meshes in the drains & regular cleaning & disposal of Solid Waste from them.		ULBs
4	Completion and commissioning of under construction STPs.		ULBs/Working Agencies
5	Obtaining Consent to Operate/Establish and Hazardous Authorization from RPCB.		ULBs/Operating Govt. Agencies
6	Septage Management in the areas where sewerage network does not exist.		ULBs

b. LONG TERM ACTION POINT

S. No.	Action Point	Timeline	Implementing Department/Agency
1	Laying of Sewerage Network & Connection of households to the sewer line in order to utilize the installed capacity of existing STPs.		ULBs
2	Establishment of Sewage Treatment Plants of adequate capacity		ULBs
3	Infrastructure Development in Irrigation/Horticulture/ Sprinkling/Industrial use etc. and ensuring use of treated water.		ULBs
4	Ensuring Open Defecation Free in all the villages situated along the river		Gram Panchayat, Panchayati Raj, Rural Development Departments, Rastriya Swachta Mission-Gramin.

4.1.4 INDUSTRIAL WASTEWATER MANAGEMENT PLAN

Industrial waste water is one of the important and major pollution sources of Water. A huge amount of industrial waste water was discharged into rivers & lake. This resulted in serious pollution problems in the water environment and causes negative effects to the eco-system and human's life. There are many types of industrial waste water based on different industries and contaminants. Each sector produces its own particular combination of pollutants.

BASELINE DATA FOR INDUSTRIAL WASTEWATER MANAGEMENT

S. No.	Action Areas	Details of Data Requirement	Measurable Outcome	Please enter Measurable Outcome for District
IWW1	Inventory of industrial wastewater Generation in District			Pratapgarh
IWW1a		No of Industries discharging wastewater	[Nos]	NIL
IWW1b		Total Quantity of industrial wastewater generated	[MLD]	NIL

S. No.	Action Areas	Details of Data Requirement	Measurable Outcome	Please enter Measurable Outcome for District
IWW1c		Quantity of treated IWW discharged into Nalas / Rivers	[MLD]	NIL
IWW1d		Quantity of un-treated or partially treated IWW discharged into lakes	[MLD]	NIL
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	Agro Based
IWW1f		Common Effluent Treatment Facilities	[Nos] / [No CETPs]	NIL
IWW2	Status of compliance by Industries in treating wastewater			
IWW2a		No of Industries meeting Standards	[Nos]	–
IWW2b		No of Industries not meeting discharge Standards	[Automatic]	–
IWW2c		No of complaints received or number of recurring complaints against industrial pollution in last 3 months	[Nos]	NIL
AWW4	Status of Action taken for not meeting discharge standards			
IWW4a		No industries closed for exceeding standards in last 3 months	[Nos]	NIL
IWW4b		No of industries where Environmental Compensation was imposed By SPCBs	[Nos]	NIL

ACTION POINT FOR INDUSTRIAL WASTE MANAGEMENT

S. No.	Action Point	Timeline	Implementing Department/Agency
1	Monitoring of water polluting industries and ensuring closure of industries which are operating without consent or non-compliant.	Quarterly	RPCB
2	Closure the illegal water polluting industries.	Regular activity	District Administration, Police, RPCB, ULBs, Power Corporation, Department of Industries etc.

4.1.5 AIR QUALITY MANAGEMENT PLAN

Air quality affects our health, the livability of our cities and towns, and our environment. Air pollution, particularly from human activity, can cause health problems that affect the heart and lungs, and can cause cancer. Even short-term exposure to air pollution can cause health problems. Children, the elderly and people with existing heart and lung conditions are especially affected by air pollution.

Air quality management refers to all the activities a regulatory authority undertakes to help protect human health and the environment from the harmful effects of air pollution.

BASELINE DATA FOR AIR QUALITY MANAGEMENT

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Please enter Measurable Outcome for District
AQ1	Availability of Air Quality Monitoring Network in District			
AQ1a		Manual Air Quality monitoring stations of SPCBs /CPCB	[Nos] / [None]	None
AQ1c		Automatic monitoring stations Operated by SPCBs / CPCB	[Nos] / [None]	None
AQ2	Inventory of Air Pollution Sources			
AQ2a		Identification of prominent air polluting	[Large Industry] / [Small	None

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Please enter Measurable Outcome for District
		sources	Industry] / [Unpaved Roads] / [Burning of Waste Stubble] / [Brick Kiln] / [Industrial Estate] / [Others] (Multiple selection)	
AQ2b		No of Non-Attainment Cities	[Nos / [None]	None
AQ2c		Action Plans for non-attainment cities	[Prepared] / [Not yet prepared]	-
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]	-
AQ4	Control of Industrial Air Pollution			
AQ4a		No of Industries meeting Standards	[Nos]	None
AQ4b		No of Industries not meeting discharge Standards	[Nos]	None
AQ5	Control of Non-industrial Air Pollution sources			
AQ5a		Control open burning of Stubble – during winter	[Nos of fire incidents]	
AQ5b		Control Open burning of Waste – Nos of actions Taken	[Nos]	
AQ5c		Control of forest fires	[SOP available] / [No SoP]	
AQ5d		Vehicle pollution check centers	[% ULBs covered]	
AQ5e		Dust Suppression Vehicles	[% ULBs covered]	
AQ6	Development of Air Pollution complaint redressal system			
AQ6a		Mobile App / Online based air pollution complaint redressing system of SPCBs.	[Available] / [Not available]	Not Available

ACTION PLAN FOR AIR QUALITY MANAGEMENT PLAN**(i) VEHICULAR EMISSION CONTROL****a. SHORT TERM ACTION PLAN: REDUCE CONGESTION**

S. No	Action Points	Timeframe for implementation	Action Required to be Taken by Responsible Departments
1.	Launch extensive drive against polluting vehicles for ensuring strict compliance.		R.T.O/Traffic Police
2.	Launch public awareness campaign for air pollution control, vehicle maintenance, minimizing use of personal vehicles, lane discipline, etc.		R.T.O/ Traffic Police
3.	Prevent parking of vehicles in the non-designated areas		Traffic Police/ULBs
4.	Prepare & implement plan for widening of roads and improvement of infrastructure for decongestion of road.		PWD
5.	Steps for promoting battery operated vehicles including establishment of charging stations.		Transport Department/ULBs & Development Authorities
6.	Synchronize traffic movements/Introduce intelligent traffic systems for lane-driving.		Traffic Police
7.	Installation of remote sensor based PUC system		Traffic Police

b. LONG TERM ACTION PLAN: REDUCE CONGESTION

S. No	Action Points	Timeframe for implementation	Action Required to be Taken by Responsible Departments
1.	Plying of electric buses, e-rickshaws for public transport including establishment of sufficient charging stations.		Transport Department
2.	Arrangement of Multi-level Parking Facilities		ULBs/Development Authorities
3.	Development/Strengthening of Bike zone/Cycle zone at metro/railways/bus stations from where travelers hire bicycle to reach the destination.		ULBs/Development Authorities

(ii) OTHER STEPS TO CONTROL AIR POLLUTION

a. SHORT TERM ACTION PLAN

S. No.	Action Points	Timeframe for implementation	Action Required to be Taken by Responsible Departments
1.	Engage with concerned authorities on continual basis for maximizing coverage of LPG/PNG for domestic and commercial cooking with target of 100% coverage (<i>Under Pradhan Mantri Ujjwala+ Yojana in urban areas</i>)		District Supply Officer
2.	Street vendors are to be controlled strictly in respect of removing their wastes and debris before leaving the site of operation.		ULBs
3.	Complete ban on littering of streets with municipal solid wastes (MSW). Segregation & source collection at source of MSW to be implemented.		ULBs

b. LONG TERM ACTION PLAN

S. No.	Action Points	Timeframe for implementation	Action Required to be Taken by Responsible Departments
1.	Installation of CAAQMS by polluting units/institutions etc. under "Polluters Pay Principles".		RPCB
2.	Tree Plantation for mitigation of air pollution based open location of pollution sources and Wind rose data		Forest department

(iii) CONTROL OF AIR POLLUTION FROM CONSTRUCTIONS AND DEMOLITION ACTIVITIES

S. No.	Action Points	Timeframe for implementation	Action Required to be Taken by Responsible Departments
1.	Enforcement of Construction & Demolition Rules 2016. Fine should be imposed on defaulting units.		ULBs/Development Authorities
2.	Control measures for fugitive emissions from material handling, conveying and screening operations through water sprinkling, curtains, barriers and dust suppression units;		ULBs/Development Authorities
3.	Ensure carriage of construction material in closed/covered vessels.		Development authorities/ Regional Transport Department
4.	Builders should leave 33% area for green belt in residential colonies.		Development Authorities/ housing companies
5.	All construction areas must be covered to avoid dispersion of particulate matter.		ULBs/Development Authorities

(IV) CONTROL OF EMISSIONS FROM BIOMASS/CROP RESIDUE/GARBAGE/MUNICIPAL SOLID WASTE BURNING/ FOREST FIRES

S. No.	Action Points	Timeframe for implementation	Action Required to be Taken by Responsible Departments
i)	Launch extensive drive against open burning of bio-mass, crop residue, garbage, leaves, etc.		ULBs
ii)	Regular check and control of burning of municipal solid wastes and use of fire extinguisher for control of fire in municipal solid waste and bio mass.		ULBs
iii)	Proper collection of horticulture waste (bio-mass) and its disposal following composting-cum-gardening approach as material for plantations.		ULBs
iv)	Ensure ban on burning of agriculture waste and crop residues and its implementation.		Agriculture Department
v)	Door to Door collection of segregated waste by agency and then its disposal directly in plant without dumping it on land.		ULBs
vi)	Establishment of composting pits in Parks/ residential societies etc for management of biodegradable waste.		ULBs
vii)	No plot should be left open more than 02 years and planting of trees must be mandatory on vacant plots.		ULBs

(V) ACTION POINTS FOR CONTROL OF INDUSTRIAL EMISSIONS

a. SHORT TERM ACTION PLAN

S. No.	Action Points	Timeframe for implementation	Action Required to be Taken by Responsible Departments
1.	Identification of brick kilns and their regular monitoring including use of designated fuel, and closure of unauthorized units.		Local Administration/RPCB
2.	Bank guarantee should be taken for the compliance of conditions imposed in CTO/CTE for control of Environmental Pollution from industries. The bank guarantee shall be forfeited in case of any violation. Verification of these conditions to be carried out by RPCB.		RPCB

4.1.6 MINING ACTIVITY MANAGEMENT PLAN

Mining Activities Management Plan		
<p>Sources</p> <p>Active or Abandoned surface and underground mines, processing plants</p>	<p>Causes</p> <ul style="list-style-type: none"> • Particulate matter is released and cause air pollution • Physical disturbance to the landscape, decline of wildlife and plant species. • Largely affect the surface and ground water near the mining activity 	<p>Efforts</p> <ul style="list-style-type: none"> • Closing illegal and unregulated mines • Form better legislation and regulation • Closing and reclaiming sites of shutdown mines • Investing in R&D of Green Mining Technology

BASELINE DATA FOR MINING ACTIVITY MANAGEMENT

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Please enter Measurable Outcome for District
MI1a	Inventory of Mining in District	Gypsum	182872 MT (Yearly)	-
		Brick Earth	3565340 MT (Yearly)	
MI1a		Type of Mining Activity	[Sand Mining] / [Iron Ore] / [Bauxite] / [Coal] / Other [specify]	-
			Multiple selection in order of magnitude of operations	-
MI1b		No of Mining licenses given in the District	[Nos]	
MI1c		Area covered under mining	[Sq Km]	-
MI1d		Area of District	[Sq Km]	-
MI1e		Sand Mining	[Yes] / [No]	-
MI1f		Area of sand Mining	[River bed] / [Estuary] / [Non -river deposit]	-
MI2	Compliance to Environmental Conditions			-
MI2a		No of Mining areas meeting Environmental Clearance Conditions	[Nos]	-
MI2b		No of Mining areas meeting Consent Conditions of SPCBs / PCCs	[Nos]	-
MI3a	Mining related environmental Complaints			-
MI3b		No of pollution related complaints against Mining Operations in last 1 year	[Nos]	-
MI4	Action against non-complying mining activity			-
MI4a		No of Mining operations suspended for violations to environmental norms	[Nos]	-
MI4b		No of directions issued by SPCBs	[Nos]	-

ACTION POINTS FOR LAND DEGRADATION – MINING

S. No.	Action Points	Timeline	Concerned Department
1.	Adoption of sustainable and systematic mining practices		Mining Dept.
2.	Enforcing strict control measures against air pollution.		RPCB
3.	Enforcing strict control measures against water pollution		RPCB
4.	Enforcing strict control measures against noise pollution		RPCB
5.	Establishment of green belt in and around mining lease areas and planting of rows of trees along roadsides to hold the spread of dust over larger areas.		Mine Consent/Forest Dept.
6.	Adoption of appropriate soil and moisture conservation measures in the mining lease area to hold run-off and increase infiltration.		Concerned Mines /Mining Dept.
7.	Stabilization and consolidation of inactive dumps through engineering and vegetative measures.		Concerned Mines /Mining Dept.
8.	Strict implementation of reclamation and rehabilitation measures both within and outside the mining lease areas.		Concerned Mines /Mining Dept.

4.1.7 NOISE POLLUTION MANAGEMENT PLAN

Noise Pollution Management Plan		
Sources <ul style="list-style-type: none"> • Industrialization • Poor Urban Planning • Transportation • Construction Activity Household Chores. 	Causes <ul style="list-style-type: none"> • Hearing Problems Health Issue Sleeping • Disorder Cardiovascular Issue • Effect on Wildlife & Environment 	Efforts <ul style="list-style-type: none"> • Turn off appliances at home and office. • Go green by planning trees. • Use noise absorbent in noisy machineries Proper Lubrication and better maintenance. • Regular check noise level.

BASELINE DATA FOR NOISE POLLUTION MANAGEMENT

No.	Action Areas	Details of Data Requirement	Measurable Outcome	Please enter Measurable Outcome for District
NP1	Availability Monitoring equipment			
NP1a		No. of noise measuring devices with district administration	[Nos] / [None]	
NP1b		No. of noise measuring devices with SPCBs	[Nos] / [None]	0
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
NP2	Management of Noise related complaints			
NP2a		No of complaints received on noise pollution in last 1 year	[Nos]	0
NP2b		No of complaints redressed	[Nos]	0
NP3	Compliance to ambient noise standards			
NP3a		Implementation of Ambient noise standards in residential and silent zones	[Regular Activity] / [Occasional] / [Never]	
NP3b		Noise monitoring study in district	[carried out] / [not carried out]	not carried out
NP3c		Sign boards in towns and cities in silent zones	[Installed] / [Partial] / [Not Installed]	

ACTION POINTS FOR NOISE POLLUTION

S. No.	Action Points	Timeline	Concerned Department
1.	Impose restrictions in traffic hours		RTO /Traffic Police
2.	To restrict the vehicular honking		RTO /Traffic Police
3.	Establish suitable buffer zones around residential areas in order to insulate from noise emanating areas such as commercial, industrial, road etc.		Development Authority
4.	Impose restriction on any sound creating activities in the silent zone		District Administration / District Police
5.	Enforce the Noise Pollution (Regulation and Control) Rules. 2000		District Administration / District Police
6.	A loud speaker or a public address system shall not be used except after obtaining written permission from the authority.		District Administration / District Police
7.	A loudspeaker/ any other musical instrument or a public address system shall not be used at night (between 10.00 p.m. to 6.00 a.m.).		District Administration/ District Police
8.	No person shall use, operate or permit the use or operation of a loud speaker in any public places or within distance of 200 meters from any public places or in any place of public entertainment.		District Administration / District Police
