

**[Indicative Template for Preparation of District Environment Plan – Using DEP Data  
Sheets]**

**District Environment Plan for [Name of the District]**

**[Name of the State] State**

**[insert a map showing district boundaries, major roads, major towns, rivers, forest area,  
railway line and forest area / or a picture relevant to District in background]**

Logo

**Office of District Administration**

**District Collector [Name of District] District**

**Office: [Address]**

**E-Mail:**

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## 1.0 District Profile

[Describe location of district not exceeding 500 words – covering the minimum information as below;

- Name of the district and historic importance, when founded, etc.
- Size of district and its rank in State (give geographical areas , % of the State or rank size wise...)
- Lies between [coordinates] and [coordinates ] north latitude and [coordinates] and [coordinates ] east latitude
- Name of the regions if any 9such as hill range , desert, forest coverage, reserved forests, Gats, eco sensitive areas, coastal area, etc..)
- District boundaries [mention names of adjoining districts / regions / states]
- Any information relevant to location....

### a. District Administrative Set-up

[show on a district map]

[provide over-all details of The overall district administrator, Subdivisions, revenue circles, community development blocks, panchayats and villages.]

### b. Local institutions

[provide details of local prominent over-all details of The overall district administrator, Subdivisions, revenue circles, community development blocks, panchayats and villages.]

### c. Natural Resources

- Water bodies  
[Give details of river systems and tributaries with text not exceeding 200 words]
- Availability of water resources  
[describe with brief text not exceeding 100 words]
- Forest coverage  
[give brief details not exceeding 200 words]

### d. Geography & Demography

[provide a table showing area , population, rural population, urban population, decinneal growth rate, density of population literacy rate, sex ration for both district and State and any other relevant data]

[Content in table may be described in brief text not exceeding 200 words]

### e. Land-use patter

[provide a table showing Geographical Area (According to Revenue Paper), Area Under Forest, Net Area Sown. Cropped Area, area Irrigate, Percentage of Net area Irrigated to total area Sown, etc..]

[Content in table may be described in brief text not exceeding 200 words]

**f. Climate**

[Insert 200 words para describing, seasonal variations in temperature, rain fall, prevalence of floods, cyclones, landslides, temperatures in seasons, average rain fall, etc.]

**2.0 Indicative Gap Analysis and Action Plans for complying with Waste Management Rules****(i) Solid Waste Management****a. Current status related to solid Waste management**

	Urban Local bodies	No of Wards	No of Households	Population	Solid Waste Generated per day
1	Municipal corporations (Nagar Nigam or Mahanagar Palika)				
2	Municipalities (Nagar Palikas)				
3	Nagar panchayats (Town area Councils)				

	Local Bodies	No of Village panchayats / Blocks	No of Households	Population	Solid Waste Generated per day
2	Block /Taluk / Mandal Tehsils				
3	Village/Gram Panchayats				

**b. Identification of gaps and Action plan:**

S. No.	Action points For villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan
<b>1.</b>	<b>Segregation</b>				
(i)	Segregation of waste at source	Whether segregation at source practiced by households and other waste generators	Action plan to achieve segregation at source. Awareness programs, incentives, etc. may be considered		
<b>2</b>	<b>Sweeping</b>				
(i)	Manual Sweeping	Example:	Action plan for reducing gap		

S. No.	Action points For villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan
		<ul style="list-style-type: none"> <li>- % or length of road not covered for regular sweeping</li> <li>- Gaps in manpower</li> <li>- Gap in availability of sweeping tools/ equipment</li> <li>- Availability of suitable PPEs</li> </ul>	including method cleaning, frequency of sweeping etc.		
(ii)	Mechanical Road Sweeping & Collection	Gaps if any in achieving targeted area or length of road identified for Mechanical Road Sweeping.	Projected growth / intended action plan with timelines		
<b>3</b>	<b>Waste Collection</b>				
(i)	100% collection of solid waste	Whether 100% collection achieved?	Action plan to improve existing collection		
(ii)	Arrangement for door to door collection	Arrangement for door to door provided: % of blocks/ wards covered	If there is gap, action plan for door to door collection across the district		
(iii)	Waste Collection trolleys with separate compartments	Check availability and adequacy and if it needs upgradation	Action plan for procurement if required		
(iv)	Mini Collection Trucks with separate compartments	Check if adequate or needs upgradation or not required	[Action plan for procurement if required]		
(v)	Waste Deposition centres (for domestic	Number of deposition centres required and nos available	Details of existing practice and scope for improvement or		

S. No.	Action points For villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan
	hazardous wastes)	Or Any alternate arrangement.	implement adequate system		
<b>4.</b>	<b>Waste Transport</b>				
(i)	Review existing infrastructure for waste Transport.	[Check (i) whether existing fleet is adequate (ii) check whether segregated waste transport possible, etc.]	Action plan for short-comings identified.		
(ii)	Bulk Waste Trucks	[check adequacy]	[action plan for procurement if required]		
(iii)	Waste Transfer points	[check whether available / adequacy]	[action plan for installation if required]		
<b>5</b>	<b>Waste Treatment and Disposal</b>				
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules)	Whether number of bulk waste generators identified for installation	Action for getting onsite composting plants commissioned		
(ii)	Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wets waste.	Whether facility exists / functional / needs upgradation?	If not action plan for developing / upgradation of bio-methanation or composting facility		
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	Whether MRF facility exists? / is there any arrangement to sending the dry-waste to any common MRF or	Action plan for use of dry segregated waste in MRF operation		

S. No.	Action points For villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan
		sent to Waste to energy plant or % dry-waste converted as RDF or Need to set-up own Waste to Energy plant?			
(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	Does the agency still disposing waste in dumpsites? Whether sanitary landfill available ? / Plan for constructing sanitary landfill or arrangement with ULBs	Action plan (i) to construct sanitary landfill If required (ii) Action plan to minimise landfilling		
(v)	Remediation of historic / legacy dumpsite	Whether existing old dumpsite if any required remediation as per rules?	Action plan for remediation of legacy / historic dumpsite.		
(vi)	Involvement of NGOs	Whether involvement of NGOs envisaged	NGOs can be involved for management of solid waste campaign		
(vii)	EPR of Producers: Linkage with Producers / Brand Owners	As per rules, producers and brand-owners should facilitate in collection of packaging waste	Action plan for linkage of all producers/brand owners or their PROs for collection of plastic waste		
(viii)	Authorisation of Waste Pickers	Yes/No	List of authorised waste pickers should be available		
(ix)	Preparation of own by-laws to comply with SWM Rules 2016	Yes/No	If not prepared action plan for preparation of by-laws which		



S. No.	Action points For villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan
			may be applicable in cantonment Board jurisdiction		

[Action plan should cover all village panchayats/ blocks/ town municipalities / City corporations. Action plan need not be prepared in Tabular form as above. Action plan may dwell upon other relevant action points not mentioned in above table. If required budgetary requirement and provisions may also be mentioned]

## (ii) Plastic waste Management

### (a) Current status related to Plastic waste management

	Urban Local bodies	Estimated quantity of Plastic Waste Generated per day
1	Municipal corporations (Nagar Nigam or Mahanagar Palika)	
2	Municipalities (Nagar Palikas)	
3	Nagar panchayats (Town area Councils)	

	Local Bodies	Plastic Waste Generated per day
2	Block /Taluk / Mandal Tehsils	
3	Village/Gram Panchayats	

### (b) Identification of gaps and Action plan:

S.No.	Action points For village panchayats/ blocks/ municipalities / corporations	Identification of gap	Action plan	Agencies Responsible	Target time for Compliance
1.	Door to Door collection of dry waste including PW	[100%] / [partial %] / [not initiated]	If not 100 %, action plan for door to door collection of SW		
2.	Facilitate organised collection of PW at Waste transfer point or Material	This infrastructure is linked to SW management. May check gaps with respect to:	Within the district outline specific plans for Each village panchayat/block/ municipality / Nagar panchayat	Identify agencies at local and district level to implement and monitor	

S.No.	Action points For village panchayats/ blocks/ municipalities / corporations	Identification of gap	Action plan	Agencies Responsible	Target time for Compliance
	Recovery Facility	<ul style="list-style-type: none"> <li>• Availability of transfer points and material recovery facility</li> <li>• Involvement of informal sector / NGO.</li> <li>• Registering waste pickers</li> <li>• Linkage with PW recyclers</li> <li>• Involvement of producers and brand-owners</li> </ul>	/ Corporations for plastic waste collection	progress respectively	
3.	PW collection Centres	Local Bodies may set-up own centres and also involve producers and brand-owners or their PROs to facilitate setting up of collection centres.	Plastic waste collection centre should be established in adequate numbers.  Coordination with State Urban Department may be necessary		
4.	Awareness and education programs implementation	Review existing gaps in creating awareness among public for minimising and recycling PW	Education through mass media, schools, Producer / brand owner campaigns and other channels		
5.	Access to Plastic Waste Disposal Facilities	Check if District has access to PW recycling / utilization or disposal facilities..	Check if PW recycling facilities available at reasonable distance; Channel for sending PW collected to		

S.No.	Action points For village panchayats/ blocks/ municipalities / corporations	Identification of gap	Action plan	Agencies Responsible	Target time for Compliance
			cement plants for processing; Availability of waste plastic oil producing facilities; Linkage with PWD for usage of PW in road making. Action plan at district should involve Urban and Rural Local bodies		

[Action plan should cover all village panchayats/ blocks/ town municipalities / City corporations. Action plan need not be prepared in Tabular form as above. Action plan may dwell upon other relevant action points not mentioned in above template. If required budgetary requirement and provisions may also be mentioned]

### (iii) C & D Waste Management

- a. Current status related to C & D Waste

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

#### b. Identification of gaps and Action plan:

S. No.	Action points for blocks / town municipalities / City corporations	Identification of Gaps	Action Plan	Responsible agency	Timeline for completion of action plan
1.	Arrangement for separate collection of C&D waste to C&D waste deposition point.	Check gaps w.r.t: - Separate collection point of C&D Waste - Identification of common C&D waste deposition points	Action plan for every local body in district. District may identify common C&D waste deposition points.		

S. No.	Action points for blocks / town municipalities / City corporations	Identification of Gaps	Action Plan	Responsible agency	Timeline for completion of action plan
2.	Whether local authority have fixed user fee on C&D waste and introduced permission system for bulk waste generators who generate more than 20 tons or more in one day or 300 tons per project in a month?	Check gaps with respect to: - Local by-laws to pay user fee - Implementation of a system to permit bulk generators (>20 tons in one day or 300 tons per project)	Common by-laws may be implemented in District. Local C&D waste management plans can be integrated to develop common collection and recycling facilities		
3.	C&D recycling Facility	Check whether district has any C&D waste recycling facility	Action plan for setting up C&D recycling facility in the District or tie-up with any other district or ULB for setting up common facilities. Plan should ensure viable operation of C&D plant including assured market for C&D products.		
4.	Usage of recycled C&D waste in non-structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	Is there any policy on usage or promotion on usage of C&D waste?	Local authority may make give appropriate incentives on usage of C & D waste. A % of usage in public works may be specified / any other scheme.		
5.	ICE on C & D waste management	Is there any sustained system of creating awareness created among local communities.	Action plan for awareness and education		

[Action plan for C&D waste management should cover all village panchayats/ blocks/ town municipalities / City corporations. Action plan need not be prepared in Tabular form as above, however all the components mentioned should be addressed for overall C&D waste management.

Action plan may dwell upon other relevant action points not mentioned in above template. If required budgetary requirement and provisions may also be mentioned]

#### (iv) Biomedical Waste Management

##### a. Current Status related to biomedical waste

Inventory of BMW in the District	Quantity
Total no. of Bedded Healthcare Facilities	[Nos]
Total no. of non-bedded HCF	[Nos]
No. of HCFs authorised by SPCBs/PCCs	[Nos]
No of Common Biomedical Waste Treatment and Disposal Facilities (CBWTFs)	[Nos]
Capacity of CBWTFs	[in Kg/day]
No. of Deep burials for BMW if any	[Nos]
Quantity of biomedical waste generated per day	[in Kg/day]
Quantity of biomedical waste treated per day	[in Kg/day]

##### b. Identification of gaps and Action plan:

S. No.	Action points	Gaps	Action Plan	Responsible agency	Timeline for completion of action plan
1.	Inventory and Identification of Healthcare Facilities	Check whether all HCFs including, clinics, hospitals, veterinary hospitals, Aayush hospitals, animal houses, etc generating biomedical waste area identified and authorised by SPCBs/PCCs	Action plan for completing / updating of inventory and authorisation of HCFs by SPCBs/PCCs		
2.	Adequacy of facilities to treat biomedical waste	Check if there is any gap between Quantity of Biomedical Waste generated per day and quantity of Biomedical Waste treated and	Action plan for setting-up CBWTF or providing access to CBWTF with 75Km from places waste generation. Including identification of site		

		disposed in the district?  In case of no access to CBWTFs, adequacy of existing disposal of BMW	for setting up such facility.  Action plan for management of BMW through captive facilities in case of no access to CBWTF		
3.	Tracking of BMW	Check whether bar code system is implemented by all HCFs and CBWTFs?	Plan for implementation of bar code system by all HCFs and CBWTFs in the district.		
4.	Awareness and education of healthcare staff	Whether training has been organised for all stakeholders?	Action plan for awareness programs and training to healthcare staff and ULB officials		
5.	Adequacy of funds	Whether adequate funds is allocated to Government health care facilities for bio-medical waste management by State Govt.?	Action plan for ensuring adequate funds to Government health care facilities for bio-medical waste management by State Govt.,.		
6.	Compliance to Rules by HCFs and CBWTFs	Is there any district level mechanism to monitor compliance by Hospitals / HCFs?	Draw action plan to monitor compliance of HCFs and CBWTFs through SPCBs/PCCs.		
7.	District Level Monitoring Committee	Check whether District Level Monitoring Committee has been constitute and meetings are being organised?	Actin plan w.r.t  Periodicity of reviews and follow-up by DLMC.  Identify teams in health department to monitor compliance.		
8.	Wastewater Treatment	Check if HCFS are required to install ETPs for	Action plan for installation of ETPs		

		wastewater generated.	by HCFs where applicable.		
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[SPCBs/PCCs is the prescribed authority to ensure implementation of BMW Management Rules, 2016. However, Rules also provides mandates to health department to monitor compliance. Hence Action plan for BMW waste management should cover access to biomedical waste management in entire geographical area of the district village panchayats/ blocks/ town municipalities / City corporations. Action plan need not be prepared in Tabular form. SPCBs/PCC should be part of action plan. Action plan may dwell upon other relevant action points not mentioned in above template. If required budgetary requirement for government HCFs may also be mentioned]

## (v) Hazardous Waste Management

### a. Current Status related to Hazardous Waste Management

[Major source of hazardous waste (HW) is industries and facilities located in the districts, who are required to be regulated under Water (P&CP) Act 174, Air (P&CP) Act 1981 and E(P) Act, 1986 and the Rules notified thereof. Many commercial establishments like automobile repair shops, paint workshops, stores, etc. may also generate small quantities of hazardous waste. The district administration should be aware of the type of hazardous waste generation in their district and adequacy of facilities for safe handling and disposal within or outside District. Linkage of district administration with common TSDFs in the State is necessary to establish system for safe disposal of domestic hazardous waste]

Details of Data Requirement	Present Status
No of Industries generating HW	[Nos.]
Quantity of HW in the district	[MT/Annum]
(i) Quantity of Incinerable HW	[MT/Annum]
(ii) Quantity of land-fillable HW	[MT/Annum]
(iii) Quantity of Recyclable / utilizable HW	[MT/Annum]
No of captive/common TSDF	[Nos of integrated TSDF], [Nos of SLF]. [No of Standalone incinerators]
Contaminated Sites or probable contaminated sites	[Nos]

### b. Identification of gaps and action plan:

S. No.	Action points	Identification of Gaps	Action Plan	Responsible agency	Timeline for completion of action plan
1.	Regulation of industries and facilities generating Hazardous Waste	Check whether all hazardous waste industries are identified	SPCB/PCC should ensure that all hazardous waste industries are		

		and authorised by SPCBs/PCCs	authorised and a system of safe disposal is in place.		
2.	Establishment of collection centres	Check district has collection centres for hazardous wastes with linkage to common TSDFs / recyclers	Local authority should ensure that adequate number of collection centres should be established and are linked to Common TSDFs.		
3.	Training of workers involved in handling / recycling / disposal of HW	Identify facilities / industries engaged in recycling / pre-processing / disposal of hazardous waste in the district.	Action plan to train the workers on safety aspects through Department of Industries as per provisions under HOWM Rules, 2016		
4.	Availability / Linkage with common TSDF or disposal facility	Check if the generators of HW have access to common TSDF in the State?	Action plan to ensure all generators are linked to TSDF / Action plan in case there is no TSDF in the district or State – in such case evaluate existing storage and captive disposal facilities through SPCBs/PCCs		
5.	Contaminated Sites	Are there any sites where soils / sediments/ groundwater contaminated due to dumping of industrial wastes	Action plan for identification of probable contaminated site, incidents of HW dumping, responsible parties for contaminated site etc. and to remediate contaminated sites...		

[SPCBs/PCCs is the prescribed authority to ensure implementation of Hazardous and Other (Management, Handling and Transboundary Movement) Rules, 2016. Rules also mandates department of industries to ensure training to workers involved in recycling and handling of hazardous wastes. Action plan for HW waste management should cover HW inventory in the district, check whether rules are implemented effectively, a systems for monitoring compliance needs to be in place.



Action plan need not be prepared in Tabular form. SPCBs/PCC should be part of action plan. Action plan may dwell upon other relevant action points not mentioned in above template.]

### (vi) E-Waste Management

#### a. Current Status related to E-Waste Management

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

#### b. Identification of gaps and action plan:

S. No.	Action points	Gaps in implementation	Action Plan	Responsible agency	Timeline for completion of action plan
1	Inventory / Generation of E-Waste / Bulk-waste generators	Check whether SPCB/PCC has completed inventory of E-Waste in the District. Inventory of bulk waste generators	Completion of inventory	SPCB/ PCC	
2	E-Waste collection points	Availability of E-Waste collection points / call centres / kiosks in villages - Blocks / towns / cities	Identification / registering E-Waste collection centres in association with Producers - their PROs or Recyclers		
3	Linkage among Stakeholders to channelize E-Waste	Check whether District administration has information on collection centres established by Producers / PROs? Administration should also identify authorised E-Waste recyclers in the district or in State to channelize	Action plan to establish linkages between ULBs / Collection Centres of Producers and PROs / SPCBs / Bulk waste generators / Recyclers / SPCBs / District Administration / Public		

		E-waste collected in District.			
4	Regulation of Illegal E-Waste recycling / dismantling	Prevalence of informal trading, dismantling, and recycling of E-waste is in District	Action plan in coordination with SPCBs/PCCs and District Administration to check this activity.		
5	Integration of informal sector	Whether mechanism exists for bringing informal sector into main stream in collection and recycling of E-Waste	Evolve mechanism by involving producers / PROs.		
6	Awareness and Education	Are there any programs at district level for awareness about E-waste management?	Plan special workshops and awareness campaigns through Producers / PROs		

[CPCB is the prescribed authority to grant Extended Producer Authorisation to various Producers of Electrical and Electronic Equipment being placed on market. Targets for collection of their E-Waste is given to each Producers. Every Producers should have installed a network of collection centres pan India, accordingly, every district should be covered. SPCBs/PCCS are given mandate to ensure implementation of EPR authorisation. Therefore district administration should have all information about collection centres / call centres established by various producers in the District. Such information should be disseminated to public and local administration. Action plan for E-Waste management should cover the aspects of inventory, collection centres for e-waste channelization, linkage with Producers of their PROs, linkage with recyclers, information of bulk waste generators and effective EPR verification by SPCBs. Action plan need not be prepared in Tabular form. SPCBs/PCC should be part of action plan. Action plan may dwell upon other relevant action points not mentioned in above template.]

### 3.0 Air Quality Management

#### a. Current Status related to Air Quality Management

Details of Data Requirement	Present Status
Number of Automatic Air Quality monitoring stations in the district. - Operated by SPCB / State Govt / Central govt./ PSU agency : - Operated by Industry:	
Number of manual monitoring States operated by SPCBs	
Name of towns / cities which are failing to comply with national ambient air quality stations	[Names]

No of air pollution industries	[Nos]
Prominent air polluting sources [Large Industry] / [Small Industry] / [Unpaved Roads] / [Burning of Waste Stubble] / [Brick Kiln] / [Industrial Estate] / [Others] (Multiple selection)	[Hotspots of air pollution]

**b. Identification of gaps and action plan:**

S. No.	Action points	Indicative Action Plan	Responsible agency	Timeline for completion of action plan
1.	Identification of prominent air polluting sources?	Carry out inventory of air pollution sources in District including hotspots or areas of concern pertaining to air pollution in association with SPCBs/PCCs may		
2.	Ambient Air quality data?	Plan to get access to available air quality monitoring stations in the District operated by both Public and private agencies.		
3.	Setting up of Continuous Ambient Air Quality Monitoring Station	Like weather station, District may also have ambient air quality monitoring at major urban settlements or populated areas. Action plan may propose setting up at least one CAAQMS in District. Also access data generated by CAAQM stations installed by other pvt/public agencies. District authority in association with local office of SPCB/PCC should also ensure that at least one manual Air Quality monitoring station is available in each city. [District admin may set-up its own network of CAAQMS or manual stations]		

4.	District Level Action Plan for Air Pollution	<p>Action plan should be prepared for both improvement of existing air quality as well as for non-attainment days to national ambient air quality standards.</p> <p>[Measures may include multi sectoral approach for air pollution control such as promotion of public transport, use of green fuels, E-mobility, LPG based cooking, carpeting open areas/kerbs, etc. Action plans envisaged in NCAP project initiated by MoEF&amp;CC may be referred]</p>		
5.	Hotspots of air pollution in District	<p>hotspot with respect to air pollution (such as stubble burning, illegal waste burning, unauthorised operations, cluster activities, forest fires etc.) should be identified and localised action plan for mitigation of the same should be prepared</p>		
6.	Awareness on Air Quality	<p>Plan for dissemination of information on local air quality in towns and cities located in District.</p> <p>May consider developing Mobile App / Online portal for dissemination of air quality as well as to take complaints on local air pollution.</p>		

[The district administration is expected know the air quality in the district, identify air polluting sources both industrial and urban area sources and shall monitor mitigation measures and compliance of air polluting sources. District level air quality management plan is necessary to monitor and implement programs for improving air quality in the district. Action plans prepared for 100+ non-attainment cities under NCAP project initiated by MoEF&CC may be referred for drawing district action plan. Action plan need not be prepared in Tabular form. SPCBs/PCC may be part of action plan for control of industrial air pollution. Action plan may dwell upon other relevant action points which are not mentioned in above template.]

#### 4.0 Water Quality Management

##### 4.1 Water Quality Monitoring

###### a. Current Status related to Water Quality Management

Details of Data Requirement	Present Status
Rivers	[Names and Length of each river in Km]
Length of Coastline (if any)	[in Km]
Nalas/ Drains/Creeks meeting Rivers	[Nos]
Lakes / Ponds	[Nos] and [Area in Hectares]
Total Quantity of sewage from towns and cities in District	[MLD]
Quantity of industrial wastewater	[MLD]
Percentage of untreated sewage	[%]
Details of bore wells and number of permissions given for extraction of groundwater	[Nos]
Groundwater polluted areas if any	[Name of areas]
Polluted river stretches if any	[Length in Km]

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

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Inventory of water bodies	An environmental monitoring cell shall maintain data of all water bodies (rivers / canals / natural drains / creeks / estuaries / groundwater / ponds / lakes / etc.) in district including its water quality		
2.	Quality of water bodies in the district	Check availability of data on water bodies. Create a district level monitoring cell for periodic monitoring of water bodies for specific parameters in association with SPCBs.		

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
		It is also necessary to disseminate information pertaining to water quality in the form of hoardings on river banks, official websites, etc.		
3.	Hotspots of water contamination	Check trends of water quality and identify hotspot of surface water and ground water. Establish a system or separate cell to monitor water quality. Implement action points for restoration of water quality in association with SPCBs and department of environment.		
4.	Protection of river / lake water front	Action plan should be prepared for control river side open defecation, dumping of Solid waste on river banks, for idol immersion etc.		
5.	Inventory of sources of water pollution	Check whether inventory of all sewage and wastewater discharge points into water bodies in the district. Action plan to complete inventory.		
6.	Oil spill disaster management (for coastal districts)	Whether district oil spill crisis management group and District Oil Spill Disaster Contingency Plan has been created? If not, create District Oil Spill Crisis Management Group and District Oil Spill Disaster Contingency Plan for the district.		
7.	Protection of flood plains	Check whether there is regulation for protection of flood plain encroachment? Action plan should be prepared for protection flood plain and prevention of encroachment.		
8.	Rejuvenation of groundwater	Check availability of groundwater and if required prepare action plan to		

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
		rejuvenate ground water in selected areas. Action plan should be prepared for Rain water harvesting		
9.	Complaints redressal system	Check whether there is any complaint redressing system based on Mobile App / Online, is available? If not, a complaint redressing system based on Mobile App / Online should be available at district level		

#### 4.2 Domestic Sewage

##### a. Identification of gaps and action plan for treatment of domestic sewage

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

##### b. Identification of gaps and action plan for treatment of domestic sewage:

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Sewage Treatment Plants (STPs)	Check whether existing capacity of		

		STPs is adequate for treatment of sewage? If no, action plan for additional treatment capacity required should be prepared in association with ULBs / department of UD,		
2.	Underground sewerage network	Check available sewerage network and prepare Action plan for laying of sewerage network in town and cities. The project may be executed through ULBs and Department of UD.		

[Action plan for installing new /up-grading sewage treatment and laying of sewerage network is the mandate of local bodies, being cost intensive action points, the district administration may draw action points in consultation with ULBs and Urban development department. Action plan need not be prepared in Tabular form. ULBs, SPCBs/PCC and UDD may be part of action plan for collection and treatment of sewage. Action plan may also dwell upon other relevant action points which are not mentioned in above template.]

## 5.0 Industrial wastewater management

### a. Current Status related to Industrial Wastewater Management

Number of Red, Orange, Green and White industries in the District	[Nos of Red industries], [Nos of Orange industries], [Nos of Green industries], [Nos of White industries]
No of Industries discharging wastewater	[Nos]
Total Quantity of industrial wastewater generated	[MLD]
Quantity of treated industrial wastewater discharged into Nalas / Rivers	[MLD]
Common Effluent Treatment Facilities	[Nos]
No of Industries meeting Standards	[Nos]
No of Industries not meeting discharge Standards	[Nos]

### b. Identification of gaps and action plan for industrial wastewater:

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion



				of action plan
1.	Compliance to discharge norms by Industries	Identify gaps w.r.t industries not meeting the standards. Necessary action be initiated through SPCBs against the industries not meeting the standards.		
2.	Complaint redressal system	Check if there is any complaint redressing system based on Mobile App / Online, is available? If not, a complaint redressing system based on Mobile App / Online portal may be prepared at district level.		

## 6.0 Mining Activity Management plan

### a. Current Status related to Mining Activity Management

Details of Data Requirement	Existing Mining operations
Type of Mining Activity	Name of mines – list may be enclosed [Sand Mining] / [Iron Ore] / [Bauxite] / [Coal] / Other [specify]
No of licenced Mining operations in the District	[Nos]
% Area covered under mining in the District	%
Area of Sand Mining	[Sq Km]
Area of sand Mining	[River bed] / [Estuary] / [Non -river deposit]

### b. Identification of gaps and action plan:

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion

				of action plan
1.	Monitoring of Mining activity	A district level task team may be identified to identify mining activity and to monitor status wither respect to environmental compliance		
2.	Inventory of illegal mining if any mining	Action plan to identify illegal sand and other mining activity in the District through surveilliance, patrolling and enforcement. District Level task Force may be constituted for control of illegal mining activity		
3.	Environment compliance by Mining industry	Action plan for periodic verification of compliance to environmental conditions stipulated by SPCBs/PCC, MoEF&CC department of mines etc. SPCBs/PCC may be involved in this activity .		

## 7.0 Noise Pollution Management plan

### a. Current Status related to Noise Pollution Management

Details of Data Requirement	Measurable Outcome
No. of noise measuring devices available with various agencies in district	[Name of agency ] [No of analyzers available]

### b. Identification of gaps and action plan:

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan

1.	Availability of Sound/Noise Level Meters.	Need to check whether concerned agencies that is ULBs, SHOs, Traffic police and SPCB/PCC have noise level meters. District administration may ensure through an action plan that concerned agencies and environmental cell under district administration have adequate number of portable noise level meters.		
2.	Ambient Noise Level monitoring.	ULBs shall ensure that ambient sound levels comply with notified standards for residential, sensitive zones. An action. Apart from portable analyzers, fixed ambient noise level monitoring stations may be installed in major cities and towns, such stations may be installed ably ULBs and SPCB/PCC,		
3.	Signboards in Noise zones	District administration may ensure that adequate number of sign boards installed at sensitive zones in towns / cities in towns and cities . An action plan may be prepared by district authority.		
4.	Complaint redressing system	Action plan may envisage implementing a public complaint redressal system for noise pollution. Such application may be used by SHOs, Traffic police ULBs and SPCBs in the district.		

[District administration may ensure that concerned agencies responsible for control of noise pollution are equipped with adequate number of noise level meters. There should be a system to monitor ambient sound levels to ensure that national ambient noise standards are complied with. Action plan may be implemented through responsible agencies namely SHOs, Traffic police ULBs and SPCBs. Action plan need not be prepared in Tabular form. Action plan may also dwell upon other relevant action points which are not mentioned in above template.]

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