

कार्यालय कलेक्टर, जिला-सीधी (म.प्र.)

क्रमांक 561/आर.डी.एम./2021,
प्रति,

सीधी, दिनांक 29 सितम्बर 2021

प्रमुख सचिव,
म.प्र.शासन,पर्यावरण विभाग,
भोपाल

विषय :- माननीय राष्ट्रीय हरित अधिकरण प्रिंसिपल बेन्च नई दिल्ली द्वारा प्रकरण क्रमांक 360/2018 में पारित आदेश दिनांक 29.01.2021 के अनुपालन में जिला स्तरीय पर्यावरणीय योजना (District Environment Plan) के संबंध में ।

सन्दर्भ:- आपका पत्र क्रमांक 808/435/2021/32-3 भोपाल दिनांक 21.09.2021

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विषयान्तर्गत माननीय राष्ट्रीय हरित अधिकरण प्रिंसिपल बेन्च नई दिल्ली द्वारा प्रकरण क्रमांक 360/2018 में पारित आदेश दिनांक 29.01.2021 के पालन में जिला सीधी का "जिला स्तरीय पर्यावरणीय योजना (District Environment Plan) " आवश्यक कार्यवाही हेतु संलग्न प्रेषित है।

संलग्न:- उपरोक्तानुसार



कलेक्टर
जिला सीधी (म.प्र.)

क्रमांक 562/आर.डी.एम./2021,
प्रतिलिपि:-

सीधी, दिनांक 29 सितम्बर 2021

1. क्षेत्रीय अधिकारी म.प्र. प्रदूषण नियंत्रण बोर्ड, रीवा (म.प्र.) की ओर सूचनार्थ ।
2. एन.आई.सी. सीधी की ओर सूचनार्थ एवं "जिला स्तरीय पर्यावरणीय योजना (District Environment Plan) " जिले की वेबसाइट पर अपलोड करने बावत।

/
कलेक्टर
जिला सीधी (म.प्र.)

DISTRICT ENVIRONMENT PLAN

SIDHI (M.P.)

**(In compliance to order passed by Hon'ble National Green Tribunal
in OA 360/2018 dated 29/01/2021)**



Prepared By –

Office of the District Collector, Sidhi, Distt. Sidhi (MP)

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September 2021

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1.0 District Profile :

Sidhi District is one of the tribal districts of Madhya Pradesh state of India. The town of Sidhi is the district headquarter. Sidhi District is a reflection of proud history of the state of Madhya Pradesh. Sidhi district is a repository of natural, historical and cultural history. This district is Known for natural resources with the river Sone draining the district. On one side of the spectrum of its socio-cultural diversity and ethnic history of tribal, the district has a panoramic view of the Kaimur, Kehejua and Ranimunda hills blazing with flowers of flame of forest and intoxicated by the sweet smell of mahua flowers.

Sidhi is located at 24.42°N, 81.88°E, having an average elevation of 272 metres (892 feet) and covers a geographical area of 10,526 km². It is a state of Chandela Rajputs who came from Khajuraho. Located in the area is the Sanjay Tiger Reserve or Sanjay National Park which tells the magnificence of the Lions here. **Son Ghariyal Sanctuary** was constituted in the year of 1981 by wildlife protection Rule under section 18 (1) Gazette notification no. 14-47-80(2).

The district makes the North-eastern boundary of the state. There is also a famous resort named as Parsili resort. Gopad Banas Tehsil has the temple of Ghoghra Devi, where a fair is held every year in Navaratri. It is believed that Birbal, one of the nine gems of Akbar, was born here too. Baanbhatta is believed to have been born in this district's Bhanwarsen area. A map showing major roads, places boundary of the district is given below:

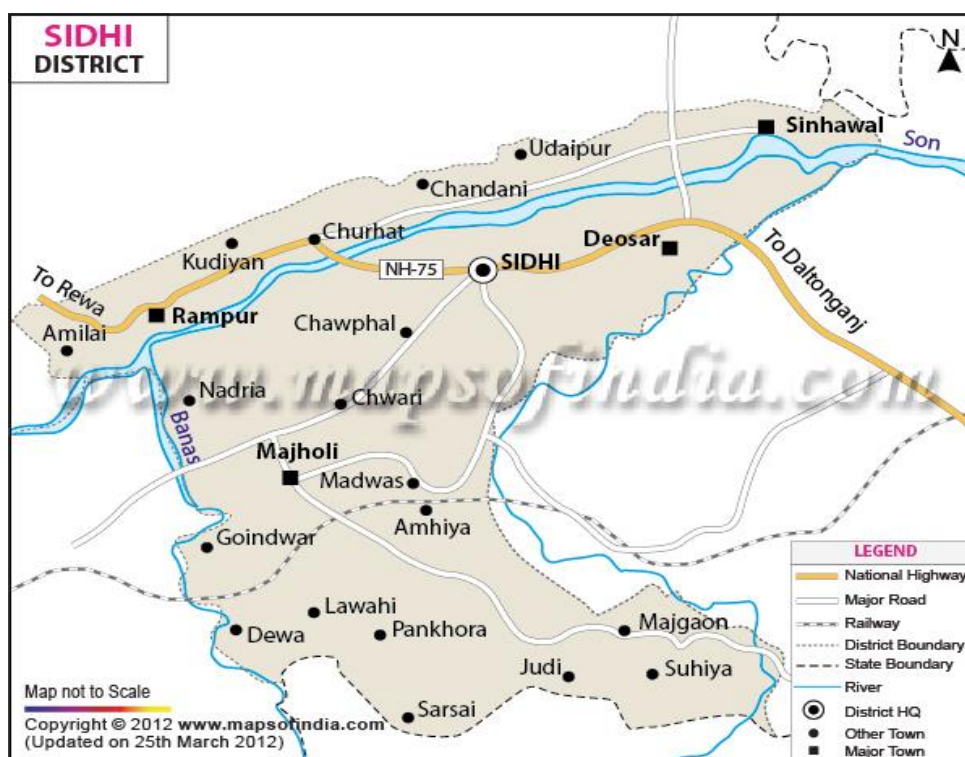


Figure 1 : Political Map of Sidhi District

a. District Administrative Setup

Sidhi district is having its district headquarter / Collectrate at Sidhi City which is headed by District Magistrate. The DM is assisted by a Chief Executive Officer (CEO), Additional District Magistrate (ADM) and other officers. The district is divided into 5 sub-divisions. Each sub-division headed by a Sub Divisional Magistrate. Details of administrative setup and no. of officers/posts are given below.

Table 1: Details of administrative setup and no. of officers in Sidhi District

Sr. No.	Name of Post / Designation	Strength/Nos.
1	Collector	1
2	ADM	1
3	Joint Collector	1
4	SDM	5
5	Tehsildar	10
6	Nayab tehsildar	12
7	Revenue inspector	31
8	Patawari	267

The details about no. of sub divisions, revenue circles, panchayat and villages are given in following table:

Table 2: Details of Revenue divisions, Gram Panchayat & ULBs of Sidhi

Sr. No.	Particulars	Details
1	No. of Revenue Disivions	5
2	No. of Talukas/Tehsils	7
3	No. of Revenue Mandals	23
4	No. of Patwari Halkas	411
5	No. of Gram Panchayats	400
6	No. of Municipal corporation	0
7	No. of Municipalities –Nagar Palika Parishad	1
9	No. of Nagar Parishad	3
10	No. of Villages	1092

Apart from above Sidhi district has 7 tehsils and 1092 Villages, details of which is given in following table.

Table 3: Details of Tehsil and Tehsil-wise number of villages of Sidhi

Sr. No.	Name of Tehsil (distt Sidhi)	No. of Villages
1	Kusmi	138
2	Churhat	144
3	Majhauili	132
4	Rampur Naikin	151
5	Gopad Banas	214
6	Sihawal	152
7	Bahari	161
	Total : 7 Tehsil	Total Villages : 1092

A chart showing district administrative setup /hierarchy is given below:

DISTRICT- SIDHI

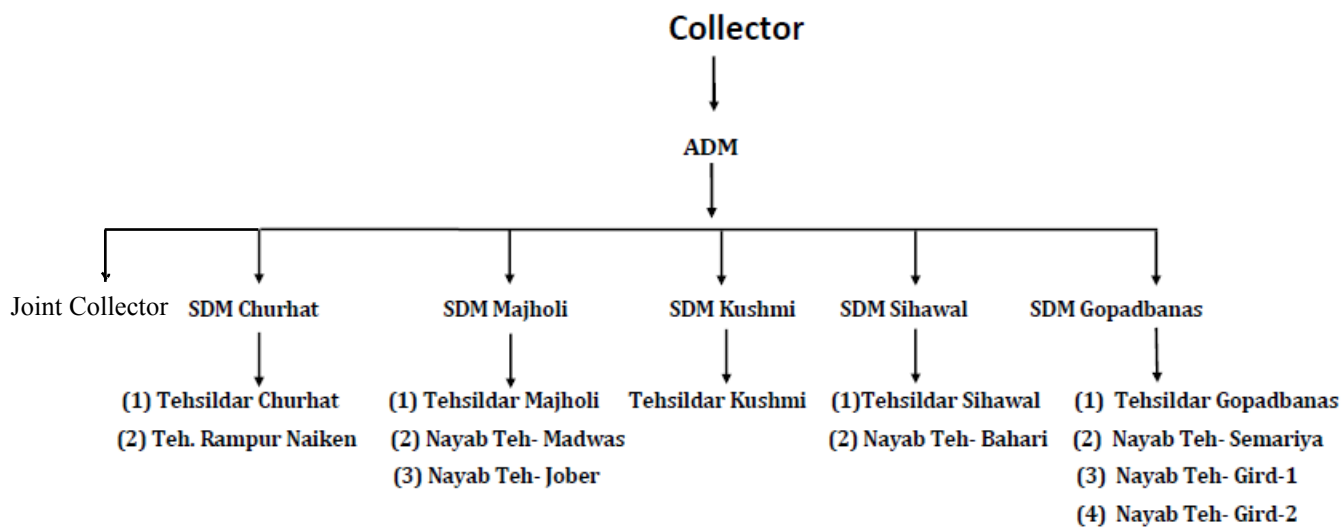


Figure 2: Administrative Setup of Sidhi District

b. Local Institutions:

There are 4 nos. of Urban local bodies in Sidhi District including Nagar Palika Parishad sidhi & 03 other Nagar Panchayats/ Nagar Parishad in the District, names of ULBs are given below:

Table 4: Details of ULBs of Sidhi

Sr. No.	Name of ULBs	Email Address
1	Nagar Palika Parishad Sidhi	cmosidhi[at]mpurban[dot]gov[dot]in
2	Nagar Parishad Majhauili	cmomajhuli[at]mpurban[dot]gov[dot]in
3	Nagar Parishad Rampur Naikin	cmorampurnekin[at]mpurban[dot]gov[dot]in
4	Nagar Parishad Churhat	cmochurhat[at]mpurban[dot]gov[dot]in

The details about no. of sub divisions, revenue circles, panchayat and villages are given in following table:

Table 5: Details of Revenue divisions, Gram panchayat, ULBs of Sidhi

Sr. No.	Particulars	No./value
1	No. of Revenue Disivions	5
2	No. of Talukas/Tehsils	7
3	No. of Revenue Mandals	23
4	No. of Patwari Halkas	411
5	No. of Gram Panchayats	400
6	No. of Municipal corporation	0
7	No. of Municipalities –Nagar Palika Parishad	1
9	No. of Nagar Parishad	3
10	No. of Villages	1092

c. Natural resources:

There are plenty of natural resources in Sidhi district including water bodies, forest areas, wildlife, details of which are given under following heads.

- **Water Bodies:** Sidhi district is blessed with natural water bodies including rivers and ponds. Son river is the major river flowing through the district. Other than this Gopad river, Banas river and Mahan river also flow in the Sidhi district which are tributaries of Son river. Jogdaha Son Ghariyal Sanctuary is famous for tourism and biodiversity.

- **Availability of water resources:** Water from these rivers is utilized for various purposes including irrigation, drinking water source, and ecotourism development. Along with that ground water sources and ponds are also important water resources in the region.
- **Forest coverage:** A large part of the district is covered with forests area nearly 4300 sqkm. Major hill ranges are Kaimur ranges, Central Part hill, and Southern part hills. Son ghariyal wildlife sanctuary is expanded in 210 km stretch out of which 160 km along the Son River , 23 kms along Banas River and 26 Kms along Gopad river. Sanjay national Park and tiger reserve is famous for its rich flora & fauna and it covers an area of 1675 sqkm.

d. Geography and demography:

The Sidhi District is located in the north eastern part of Madhya Pradesh State having a total geographical area of 10526 sq kms and extend by north latitude 23°45' and 24°45' and east longitudes 81°15' and 83°00' and lies in survey of India Toposheet Nos. 63H & I respectively. The district has total population as 11,27,033 out of which 5,75,912 are males and 5,51,121 are females. In 2001 census, Sidhi had a population of 910,983 of which males were 469,197 and remaining 441,786 were females. Sidhi District population constituted 1.55 percent of total Maharashtra population. The population density in the district is 232/km².

e. Land use Pattern:

The land use pattern of sidhi district is as follows:

	LULC Level 1	LULC Level 2	Value (area in sqkm)
1	Agriculture	Cropland	4565.1
		Fallow	286.1
		Plantation	5.42
2	Barren/unculturable/wasteland	Barren rocky	7.21
		Gullied/Ravinous land	17.4
		Scrub land	1368.22
3	Builtup	Mining	68.84
		Rural	50.03
		Urban	89.61
4	Forest	Deciduous	3306.22
		Forest Plantation	12.73
		Scrub forest	395.81
5	Wetlands and water bodies	River/ streams/ canals	206.58
		Water bodies (ponds etc.)	146.78
		Total (approx.)	10526 sq.km

A tentative LULC map of Sidhi District is given below:

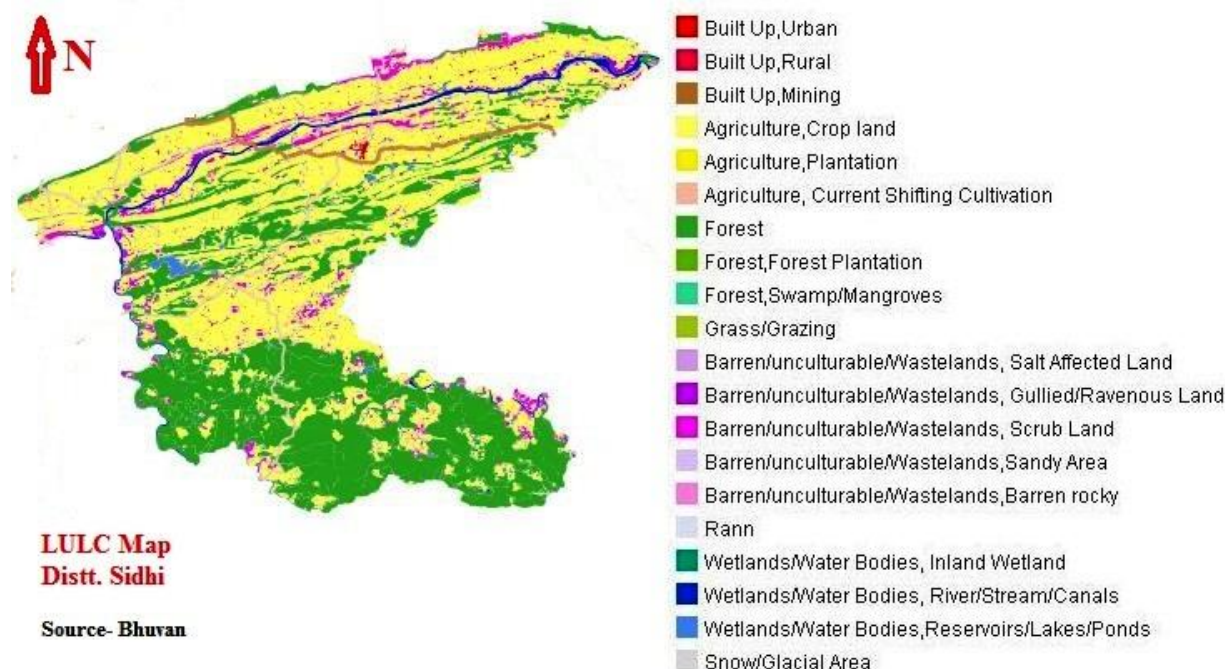


Figure 3: Land use/ Land cover map of Sidhi District

f. Climate:

The overall climate of the district is characterized by a hot summer and general dryness except during the south west monsoon season. The year may be divided into four seasons. The cool season, December to February is followed by the hot season from March to about the middle of June. The period from the middle of June to September is the south west monsoon season. October and November form the post monsoon or transition period.

The normal annual rainfall of Sidhi district is 1132.7 mm. Sidhi district received maximum rainfall received during south west monsoon period i.e. June to September. About 89.7% of the annual rainfall received during monsoon season. Only 10.9% of the annual rainfall takes place between October to May period. Thus surplus water for ground water recharge is available only during the south west monsoon period. The normal maximum temperature received during the month of May is 42°C and minimum during the month of January is 8.1°C. The normal annual means maximum and minimum temperature of Sidhi district is 32.5 °C & 18.6 °C respectively.

During the south west monsoon season the relative humidity generally exceeds 85% (August month). The driest part of the year is the summer season, when relative humidity's are less 35%. May is the driest month of the year.

2.0 Indicative Gap Analysis & Action Plan 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 (or Nagar Nigam or Mahanagar Palika) - There is no Nagar Nigam in Sidhi District.	NA	NA	NA	NA
2	Nagar Palika Parishad – 01 Nagar Palika Parishad Sidhi	24	13147	54331	15.4 MT/Day
3	Nagar Parishad or Nagar Panchayat – 03 numbers				
	(i)Nagar Parishad Majhauili, Distt Sidhi (M.P.)	15	2534	11892	1.0 MT/Day
	(ii)Nagar Parishad Rampur Naikin, Distt Sidhi (M.P.)	15	3340	11936	3.3MT/Day
	(iii)Nagar Parishad Churhat, Distt Sidhi (M.P.)	15	3232	14962	2.5 MT/Day

(Data as per Annual reports submitted by ULBs).

	Local Bodies	No. of Villages	No. of Households	Population (as per census 2011)	Solid Waste Generated per day (kg/day)
1	Block/Taluk/ Mandal Tehsils- Number of Blocks- 05				
	(I) Kusumi	131	19076	80820	8082.0
	(II) Majhauili	125	38548	152424	15242.4
	(III) Rampur Naikin	185	63513	233661	23366.1
	(IV) Gopadbanas	285	47105	298073	29807.3
	(V) Sihawal	299	54479	268934	26893.4
2	Village/Gram Panchayats	1025	222721	1033912	103391.2

(Note : Solid waste generation is calculated using average as 100gm/capita/day in rural areas of Sidhi district.)

b. Identification of gaps and action plan:

S. No.	Action points For villages / blocks/town municipalities /City corporations	Identification of gap	Action Plan	Responsibl e agencies	Timeline for completion of action plan
1.	Segregation				
(i)	Segregation of waste at source	No Gap.	Pamphlet distribution, increasing awareness through songs, etc fitted with MSW collection vehicle.	Rewa MSW Energy Solutions Ltd (Ramky) on behalf of all ULBs of Sidhi District.	Ongoing activity.
2	Sweeping				
(i)	Manual Sweeping	No Gap	All roads will be covered under manual sweeping. - However in order to increase frequency of cleaning manpower need to be increased in ULBs. - Sweeping tools and PPEs will be procured.	Respective ULBs of the district and UADD.	Complied.
(ii)	Mechanical Road Sweeping & Collection	Gap.	Sidhi Nagar Palika requires 01 number Mechanical road sweeping vehicle.	Sidhi Nagar Palika and UADD. Mechanical sweeping vehicle not required in other ULBs.	one year after sanction of funds.

3	Waste Collection				
(i)	100% collection of solid waste	No Gap.	Yes action plan is already prepared and door to door collection of MSW is being done in all ULBs.	Rewa MSW Energy Solutions Ltd (Ramky) on behalf of all ULBs of Sidhi District.	Already being done.

(ii)	Arrangement for door to door collection	No Gap	All wards in all ULBs are covered under door to door collection of MSW.	Rewa MSW Energy Solutions Ltd (Ramky) on behalf of all ULBs of Sidhi District.	Already being done.
(iii)	Waste Collection trolleys with separate compartments	No Gap.	Adequate no. of collection vehicles are employed.	--do--	NA
(iv)	Mini Collection Trucks with separate compartments	No Gap.	Adequate mini collection trucks (covered) are employed for door to door collection of MSW.	--do--	NA
(v)	Waste Deposition Centres (for domestic hazardous wastes)	No Gap.	Domestic hazardous waste deposition centres are available at MRF facilities in each ULB. - Also separate compartment for domestic hazardous waste is fitted with door to door collection vehicle.	Respective ULBs and Rewa MSW Energy Solutions Ltd (Ramky).	Already being done.

4.	Waste Transport				
(i)	Review existing infrastructure for waste Transport.	No Gap.	Collected waste is first transported to nearby transfer station by mini collection vehicles and then to ISWM – Integrated solid waste management facility at Vill. Pahadiya Distt. Rewa by	Rewa MSW Energy Solutions Ltd (Ramky) on behalf of all ULBs of Sidhi District.	Continuously being done.

			employing bigger size covered trucks.		
(ii)	Bulk Waste Trucks	No Gap	Adequate no. of trucks are employed.	--do--	Complied
(iii)	Waste Transfer points	No Gap.	Waste transfer stations have been established at each ULB of the district. - In Sidhi city waste transfer point is at Madariya.	--do--	Complied
5	Waste Treatment and Disposal				
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirements as per Rules)	No Gap.	Bulk waste generators are not in Sidhi.	Respective ULBs.	Complied
(ii)	Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wet waste.	No Gap.	Cluster based Integrated Solid Waste Management Facility is established at Vill. Pahadiya Distt. Rewa, where windrow composting is being done.	Rewa MSW Energy Solutions Ltd (Ramky) on behalf of all ULBs of Sidhi District.	Composting activity is ongoing.

(iii)	Dry-Waste Management :Material Recovery for dry-waste fraction	No Gap.	MRF (Material Recovery facility) are established at each ULB. Moreover combustible fraction of MSW is sent to ISWM Facility at Pahadiya (Rewa) then it is sent as RDF for co-processing in cement plants. - Waste to energy plant of 6 MW capacity is under construction.	Distt Administration, Nagar Palika Sidhi and other ULBs. -Rewa MSW Energy Solutions Ltd (Ramky) -Cement Industries of the Region for disposal of RDF.	- Already being done.
(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	No Gap.	Sanitary landfills of adequate capacity have been constructed at Integrated solid waste management facility at Vill. Pahadiya, distt. Rewa.	Rewa MSW Energy Solutions Ltd (Ramky) on behalf of all ULBs of Rewa District.	Already constructed.

(v)	Remediation of historic / legacy dumpsite	Gap.	Action plan for have been prepared by all ULBs. And work is under progress. -After completion of waste to energy plant at Pahadiya, Rewa , all legacy waste will be disposed off in WTE plant.	Rewa MSW Energy Solutions Ltd (Ramky) and Respective ULBs.	One year after sanction of budget and getting final approval from UADD.
(vi)	Involvement of NGOs	No Gap.	NGOs are involved in increasing awareness.	Respective ULBs.	ongoing activity

(vii)	EPR of Producers: Linkage with Producers /Brand Owners	-No Gap.	- In Sidhi municipality, there is no producer & brand owner in Sidhi district.	MPPCB , Respective ULBs	Complied.
(viii)	Authorization of Waste Pickers	No Gap.	- Sidhi municipality is in process to authorize informal Waste pickers.	Rewa MSW Energy Solutions Ltd (Ramky) and respective ULBs of Sidhi District.	Complied.
(ix)	Preparation of own by-laws to comply with SWM Rules 2016	No Gap.	All ULBs have framed their own By-laws for SWM rules 2016.	Respective ULBs	Already made.

(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)	Nil (No Municipal corporation in Sidhi)
2	Municipalities- Nagar Parishad Sidhi	111Kg/Day
3	Nagar panchayats– 03 Nos. 1 Nagar Panchayat Majhauri Distt. Sidhi. 2 Nagar Panchayat Churhat Distt. Sidhi. 3 Nagar Panchayat Rampur Naikin Distt. Sidhi.	Majhauri = 2.8 Kg/Day Churhat = 0.2Kg/Day Rampur Naikin = 5.0 Kg/Day

(Data of PW generation is as per annual report submitted by ULBs)

	Local Bodies	Plastic Waste Generated per day(Kg/Day)
1	Block/Taluk/ Mandal Tehsils- There are 5 sub divisions in Sidhi district namely Kusumi , Majhauri , Rampur Naikin, Gopadbanas, and Sihawal .	
	1. Kusumi – no of villages 131	116.81(Kg/Day)
	2. Majhauri - no of villages 125	154.4(Kg/Day)
	3. Rampur Naikin - no of villages 185	342.8(Kg/Day)
	4. Gopadbanas- no of villages 285	370.9(Kg/Day)
	5. Sihawal - no of villages 299	334.9(Kg/Day)
2	Village/Gram Panchayats – 1025 villages identified for plastic waste management	Subdivision wise data given as above. Total Plastic waste generation: 1320 Kg/day.

(Data of PW generation in rural areas is as per details provided by Swachhta Mission, Zila Panchayat-Distt. Sidhi).

(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	No Gap.	M/s Rewa MSW Energy Solutions Pahadiya Distt. Rewa (M.P.) is collecting PW in all ULBs.	M/s Rewa MSW Energy Solutions Pahadiya Distt. Rewa (M.P.) on behalf of concern ULBs .	Already being done.
2.	Facilitate organized collection of PW at Waste transfer point or Material Recovery Facility :-	<p>- No Gap.</p> <p>1. MSW along with Plastic Waste after segregation through door to door collection goes to collection point in each municipality & Nagar Panchayat.</p> <ul style="list-style-type: none"> • Transfer points & MRF facility are establish only in each ULBs. • In villages of Sidhi Swachhta Mission of Zila Panchayat Sidhi is facilitating Collection of PW. • Involvement of informal sector /NGO. :- Yes • Registering wastepickers :- Yes • Linkage with PW recyclers :- Yes <p>Involvement of producers and brand-owners :- Registration of Brand Owners is Under process.</p>	<p>ULBs has develop mechanism for collection of Plastic waste at micro level,i.e in villages/Panchayats.</p> <p>- No producer , brand owner, manufacturer in the jurisdiction of Rewa district.</p> <p>- Plastic waste collection by authorized rag pickers.</p>	Distt administration, Respective ULBs, M/s Rewa MSW Energy Solutions village pahadiya District Rewa(M.P.)	Complied.

3.	PW collection Centres	Gap. <ul style="list-style-type: none"> - Local Bodies have own setup for collection & segregation & Plastic Waste . - It is needed to set up collection centres at ULBs/gram Panchayats for processing & disposing Plastic waste by involving third parties. • In villages of Sidhi Swachhta Mission of Zila Panchayat Sidhi is facilitating Collection of PW. 	Plastic Waste Collection Centres/MRF has been Establish in each ULBs. - Time to time for compliance of PW Rules MPPCB Rewa have co-ordinated with UADD Rewa.	Zila Panchayat & respective ULBs.	1 year
4.	Awareness and education programs implementation	No Gap. <ul style="list-style-type: none"> - :- Time to time awareness programme, work shops, pamphlets distribution are organized by MPPCB & ULBs. to increase awareness among public for minimising PW generation and recycling PW. 	News of work shops, awareness programmes, has been published in news paper & aired through local TV channels .	Respective ULBs & MPPCB Rewa.	Ongoing activity
5.	Access to Plastic Waste Disposal Facilities	No Gap. <ol style="list-style-type: none"> 1. There is no any plastic waste recyclers In MPPCB Rewa's jurisdiction. 2. Yes , access to plastic waste disposal facilities are available at Satna. 3. All ULBs have their own setup for collection, segregation & disposal sites. 4. The Waste to energy plant (6 mega watt) is under construction at ISWM Facility Vill Pahadiya (Rewa). However some amount of RDF is being utilized by the cement industries. major portion of Plastic waste after segregation is kept at integrated solid waste management plant site at 	There is no any plastic waste recyclers In MPPCB Rewa's jurisdiction. cement plants for Co-processing , Plastic waste & RDF in kilns at M/s JP Rewa cement, and Ultratech cement plant at Bela (Rewa) , Ultratech cement plant Baghwar (Sidhi).	ULBs, Zila Panchayat Sidhi, MPPCB Rewa and cement industries of the region.	ongoing activity.

		Pahadiya needed to be dispose of through proposed waste to Energy plant.			
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(III) C&D (Construction and demolition) 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)	Yearly Generation of construction and demolition waste in Sidhi Distict is approximately 307.53 MT/Year
Does the District has access to C&D waste recycling facility?	Agreement with nodal agency yet to be done. Till now no significant work for disposal of construction & demolition waste has been done & maximum portion of construction and demolition waste is used by owners themselves.

(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	No Gap.	ULBs of Distt. Sidhi already have separate collection point of C&D waste	UADD, Rewa & ULBs of Distt. Sidhi.	- Already complied.
2.	Whether local authority have fixed user fee on C&D waste and Introduced permission system for bulk waste generator who generate more than 20 tons or more in one day or 300 tons per project in a month ?	No Gap	Common by-laws already drafted in District. 1.Sidhi is a small city with small ULBs. However local authorities have fixed user fees for C& D waste. 2. No bulk waste generators in Sidhi/ULBs.	Respective ULBs	Complied.

3.	C&D recycling Facility	No Gap	There is no such need at present as C&D waste is reused by owners themselves. However it may be required to set up facility in future.	Respective ULBs.	Complied.
4.	Usage of recycled C&D waste in non-structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	-No Gap	By –laws still to be finalized regarding use of C& D waste in public works.	UADD , PWD of Sidhi Distt., MPPCB Rewa.	Complied.
5.	ICE on C&D waste management	Awareness is still required for proper disposal by all ULBs.	Such awareness & education action plan will be made by municipal corporation, ULBs & MPPCB..	District administration / ULBs, UADD , PWD of Distt. Rewa, MPPCB Rewa.	06 months.

(IV) Biomedical Waste Management:

a. Current Status related to biomedical waste

Inventory of BMW in the District	Quantity
Total no. of Bedded Healthcare Facilities	[37 Nos]
Total no. of non-bedded HCF	[45 Nos]
No. of HCFs authorized by SPCBs/PCCs	[82Nos]
No of Common Biomedical Waste Treatment and Disposal Facilities(CBWTFs)	[01Nos in Satna Distt.]
Capacity of CBWTFs	[in 100 Kg/Hr./day]
No. of Deep burials for BMW if any	[Nil]
Quantity of biomedical waste generated per day	[60.0Kg/day]
Quantity of biomedical waste treated perday	[60.0/day]

(Ref : As per Annual report submitted by CMHO/CBWTF.)

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	No Gap :-	The inventorisation is being done by CMHO & MPPCB Rewa. All HCFs including, clinics, hospitals, veterinary hospitals, Aayush hospitals, animal houses, etc generating biomedical waste are identified and authorized by SPCBs/PCCs	CMHO & MPPCB. Rewa	Complied.
2.	Adequacy of facilities to treat biomedical waste	No Gap	- there is no CBWTF within 75 km radius, - however BMW of Rewa District is collected by CBWTF satna.	CMHO & MPPCB. Rewa	Complied.
3.	Tracking of BMW	Gap	Plan for Implementation of Barcode system by all HCFs and CBWTFs in the District is under process.	District Administration/ CMHO , MPPCB. Rewa/ &CBWTF agency	01 years
4.	Awareness and education of healthcare staff	No Gap	Time to time Awareness programs and training to healthcare staff and ULB officials by various agencies.	CMHO & MPPCB. Rewa/ CBWTF	Complied.

5.	Adequacy of funds	-Gap	Action plan for Ensuring adequate funds to Government health care facilities for bio-medical waste management by State Govt is required for construction of STPs/ETPs/other things.	District Administration/CMHO & MPPCB. Rewa/CBWTF agency	02 years
6.	Compliance to Rules by HCFs and CBWTFs	No Gap	To Monitor compliance Of HCFs and CBWTFs through SPCBs/PCCs .a District Task Force committee is needed.	District Administration/CMHO MPPCB. Rewa/& CBWTF agency	Complied.
7.	District Level Monitoring Committee	- No Gap	1. District Task Force Committee will be made shortly.	Distt Administration, CMHO & MPPCB Rewa	Complied.
8.	Wastewater Treatment	Gap	All bedded hospitals of Sidhi district have installed ETPs. - For Govt. bedded hospitals ETPs are also required.	State Govt.	02 Years.

(V) Hazardous Waste Management:

(a) Current Status related to Hazardous Waste Management

Details of Data Requirement	Present Status
No. of Industries generating HW	[15 Nos.]
Quantity of HW in the district	[6.923 MT/Annum]
(i) Quantity of Incinerable HW	[00MT/Annum]
(ii)Quantity of land-fillable HW	[00MT/Annum]
(iii)Quantity of Recyclable/ utilizable HW	[6.923MT/Annum]
No. of captive/common TSDF	Nil [Nos. of integrated TSDF], [Nos. of SLF]. [No. of Stand-alone incinerators]
Contaminated Sites or probable Contaminated sites	[00Nos]

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	No Gap all hazardous waste industries are identified and authorized by SPCBs/ PCCs	RO MPPCB Rewa ensure that all hazardous waste industries are authorized and a system of safe disposal is in place.	MPPCB Rewa	Complied
2.	Establishment of collection centres	No Gap. There is no need of TSDF in Sidhi distt. till date, since no land-fillable Haz. Waste is generated.	Only Used & spent oil is generated by different units which is send to Registered recyclers within the state.	MPPCB Rewa	Complied
3.	Training of workers involved in handling/recycling/ disposal of HW	No Gap. Facilities / Industries engaged in recycling / pre-	Action plan for training the workers on safety aspects through Department of Industries as per	MPPCB Rewa	Complied

		processing /disposal of hazardous waste in the district have been identified and awareness programme/ training conducted by MPPCB & Industries from time to time.	provisions under HWM Rules, 2016 & no recycling or preprocessing unit is operating in Sidhi district.		
4.	Availability/Linkage with common TSDF or disposal facility	No Gap. Generator of HW has access to TSDF.	All generators are linked to waste recycling/TSDF facility in state. TSDF unit is operating in Indore distt. (M.P.)	MPPCB Rewa	Complied
5.	Contaminated Sites	No Gap. There is no sites where soils / sediments/ ground water contaminated due to dumping of industrial wastes	No Contaminated site.	MPPCB Rewa	Complied

(VI) E- Waste Mangement:

- a. **Current status related to E-waste Management:** Safe disposal of E-waste like discarded electronic and electrical equipments is necessary to safeguard environment. Relevant details about quantity and channelization of E-waste for its safe handling and disposal is given in following table.

Details of Data Requirement	Present Status
Inventory of E-Waste in MT/year	1.45 MT/Year
Collection centers established by ULBs in the District	Nil (however authorized recyclers of other cities may come to collect E-waste)

	<p>- Collection centre of Rewa i.e.</p> <p>1. M/s. Green city E-waste Collection Centre, 87, Bansagar Colony, Pokhari Tola, Ward No. 26, Rewa (MP)</p> <p>2. Sarthak Jankalyan Sanstha, Bansagar Colony Rewa, are actively working in Sidhi district.</p>
Collection centers established by Producers or their PROs	Nil
No. of authorized E-Waste recyclers /Dismantler	Nil

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	-No Gap	Inventory of E-waste generation in Sidhi is done.	Sidhi Nagar Palika, MPPCB Rewa	Continuous Process.
2	E-Waste collection points	- Gap.	PROs are trying to setup collection point by recyclers at Sidhi.	District Administration, ULBs and MPPCB Rewa	06 months.
3	Linkage among Stakeholders to channelize E-Waste	No Gap.	The recyclers of E waste have set up collection centre in Rewa, they approached Sidhi and whenever any agency have E-waste , they collected and channelize/dispose as per rules.	District Administration and MPPCB Rewa	Complied.

4	Regulation of Illegal E-Waste recycling /dismantling	No Gap.	Action is prepared to check and regulate illegal dismantling of E-waste in the district regularly.	MPPCB Rewa and District Administration	Ongoing activity
5	Integration of informal sector	No Gap.	- Collection centers of Rewa are working. - It is very small city and all E-waste generated is being disposed as per rules.	District Administration and MPPCB Rewa	Complied.
6	Awareness and Education	No Gap.	Awareness programmes have been organized for stakeholders by MPPCB Rewa.	MPPCB Rewa.	Ongoing Activity.

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:	03 Nos. 03 Nos.
Number of manual monitoring Station operated by SPCBs	01 No.
Name of towns/cities which are failing to comply with national ambient air quality stations	[Names]-Nil
No of air pollution industries	[30 Nos.]
Prominent air polluting sources [Large Industry] / [Small Industry] / [Unpaved Roads] / [Burning of Waste Stubble] / [Brick Kiln]/ [Industrial Estate]/[Others](Multiple selection)	Cement Industries/Stone crushers/Construction activities/Vehicular transportation & unpaved roads. [Hotspots of air pollution]- Nil

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?	Yes, Inventory of all Air pollution sources in District has been carried out .	MPPCB/ Mining/ Distt. Administration.	Complied.
2.	Ambient Air quality data?	Automatic Ambient Air quality monitoring stations (03 Nos.) in Sidhi distt. operated by the Industries & 01 manual station is monitoring regularly & data is displayed for public awareness. - Out of three CAAQMS one is proposed to be setup in Sidhi city at Collectrate by UTCL Sidhi.	MPPCB Rewa/Mining/ Distt. Administration of Sidhi Disstt.	06 Months.
3.	Setting up of Continuous Ambient Air Quality Monitoring Stations.	In Sidhi City 01 No. of CAAQM stations is proposed to be Installed by UTCL Cement plant Baghwar in Collectorate office, Sidhi which will facilitate the display of ambient air quality data for public.& 01 manual station is monitoring regularly & data is displayed for public awareness. Through websites of MPPCB& distt. collectorate	MPPCB Rewa/Minin g/ Distt. Administration of Sidhi Disstt.	06 Months.
4.	District Level Action Plan for Air Pollution	Effective Measures are taken by Distt. administration for multi sectoral approach for air pollution control such as promotion of public transport, use of green fuels (Bio fuels), E-mobility, LPG based cooking, etc. 1. District level air quality management plan will be made to monitor and implement programs for improving air quality in the district if found necessary.	MPPCB Rewa/Mining/ Distt. Administration of Sidhi Disstt.	Complied

		<p>2. Dense plantation by district administration /Forest department/MPPCB through various industrial units & ULBs are being done to improve the Air environment.</p> <p>3. All roads are made pucca in all 04ULBs.</p> <p>4. Strict action against the adulteration of fuels is taken by the concerned authorities.</p> <p>5. As per NGT's order during festivals like Diwali , New year etc.& on special occasions like burning of parali , strict control measures are being taken by Distt. administration to mitigate Ambient Air pollution due to fire crackers/burning of agricultural wastes etc.</p> <p>6. For mining of minerals, wet drilling & controlled blasting is being carried out to control Ambient air pollution.</p>		
5.	Hotspots of air pollution in District	No hotspot of Air pollution is identified in Sidhi district.	MPPCB/Ministry/Distt. Administration.	Complied
6.	Awareness on Air Quality	Awareness programme are carried out by RO MPPCB from time to time in coordination with Distt. Administration & Nagar Palika Parishad Sidhi to make people aware about the clean environment through rallies, seminars & hoardings.	MPPCB//Distt. Administration/ULBs	Complied

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	[Nos.]=04;	
	Name Of River	Length (in Kms.)
	1. River Sone, 2. River Gopad 3. River Banas 4. River Mahan	174 Kms. 123 Kms. 26 Kms. 26 Kms.
Length of Coastline(if any)	[No]- NA	
Nallas/Drains/Creeks meeting Rivers	01 Local nalla	
Lakes/Ponds	[25Nos]and[Area in Hectares= 64131 Hectare]	
Total Quantity of sewage from towns and cities in District	[Apprx. 6.0MLD in all 04 ULBs of Sidhi Distt.]	
Quantity of industrial wastewater	[MLD]-No Industrial waste water discharge in the natural body.	
Percentage of untreated sewage	[%]-10% Presently waste water is treated by septic tank & soak pit however STPs are required for fully separate system will be laid in the city, therefore it means that after line of sewerage system 100% of sewerage will be required for treatment. presently we can say that 90% of sewerage is being treated by septic tanks & soak pits & remaining 10% is taken untreated.	
Details of bore wells and number of permissions given for extraction of groundwater	277-Bore Well+21500-Hand pump Total =21777 Nos.	
Ground water polluted areas if any	[Name of areas]- No any	
Polluted river stretches if any	Nil	

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-	- No Gap. - Inveneterization is completed & Environment committee is already setup	District Administration /MPPCB,UADD& respective ULBs, WRD, CGWB	Complied.
2.	Quality of water bodies in the district-	No Gap. a) For checking availability of data on water bodies, a district level monitoring cell for periodic monitoring of water bodies for specific parameters is already setup by MPPCB. b) Through district level monitoring cell, to disseminate information pertaining to water quality in the form of hoardings on river banks, official websites, etc. display of awareness programme is being done by MPPCB Rewa, Nagar Palik Parishad Sidhi through their official website, Swachhata app, E-media circle app & on twitter, facebook for displaying the awareness activities continuously.	District Administration/U ADD/Irrigation/P HE/CMOsULBs/N agar palika& MPPCB	Continuous activity (regular monitoring)
3.	Hotspots of water contamination	No Gap. No hotspot has been identified in Sidhi Distt.	Respective ULBs and MPPCB Rewa.	Complied. (No hotspot in Sidhi Distt.)
4.	Protection of river / lake water front	No Gap is found for open defection For control of river side open defection is prohibited in Sidhi . - For idol immersion, temporary ponds at two sites on the rivers are made to check the Solid waste going into the stream.	District Administration/ WRD	Complied.

5.	Inventory of sources of water pollution	No Gap. There is no waste water discharge in water bodies as in Sidhi district hence no action plan is needed.	Respective ULBs and MPPCB Rewa.	Complied.
6.	Oil spill disaster management (for coastal districts)	No Coastal area in the distt.	No Coastal area in the distt.	NA
7.	Protection of flood plains	No Gap. Work is carried out for prevention & protection of flood plain zone by District Administration/ULBs. -No riverfront in the distt.	District Administration/WRD	Complied
8.	Rejuvenation of groundwater	No Gap. MPPCB has checked the 06 ground water sampling points of Sidhi district in various ULBs along with other agencies like PHED,CGWA, & ULBs and have not found any contamination of ground water.	UADD/RES/WRD & PHE	Continuous process
9.	Complaint redressal system	No Gap.. complaint redressing system based on Mobile App/Online, is available like CM helpline portal, Env. alert app ,PG Portal & Uttara portal etc.	District Administration	Continuous process

4.2 Domestic sewage:

a. Current status of treatment of domestic sewage

Details of Data Requirement	Present Status
No of Class-II towns and above	[Nos]- 01- Sidhi Municipality
No of Class-I towns and above	[Nos] – Nil, no class I city in the district.
No of Towns STPs installed	[Nos] – Nil
No of Towns needing STPs	[Nos] – STPs in all 04 ULBs .
No of ULBs having partial underground sewerage network	[Nos] - Nil
No of towns not having sewerage network	[Nos] – 04 (all ULBs)
Total Quantity of Sewage generated in District from Class II cities and above	[MLD] – 3.00 MLD (approx)
Quantity of treated sewage flowing into Rivers (directly or indirectly)	[MLD] - Nil
Quantity of untreated or partially treated sewage (directly or indirectly)	[MLD]- 5.65 MLD (including all ULBs)
Quantity of sewage flowing into lakes	[MLD]- Nil
Total available Treatment Capacity	[MLD]- Nil

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 (STPs)	Gap <ul style="list-style-type: none"> - No STP is installed in any ULB at present. - Action plan for STP in Sidhi city is prepared. - only Nagar Palika Parishad Sidhi Has FSTP and none of other ULBs have any STP. 	Nagar Palika Parishad Sidhi. And other Respective ULB	4 years.
2.	Underground sewerage network	Gap. <ul style="list-style-type: none"> a. No underground sewerage network is there at present in any ULB of Sidhi Distt. b. Action plan for all ULBs is required. 	Disstt. administration, UADD.	4 years

5.0 Industrial waste water management:

a. Current Status related to Industrial Wastewater Management

Number of Red, Orange, Green and White industries in the District	[Nos of Red industries= 212], [Nos of Orange industries= 04], [Nos. of Green industries= 48], [Nos of White industries]
No of Industries discharging wastewater	25 [Nos]
Total Quantity of industrial wastewater generated	Nil [MLD]
Quantity of treated industrial wastewater discharged into Nalas / Rivers	Nil [MLD]
Common Effluent Treatment Facilities	Nil- [Nos]
No of Industries meeting Standards	20 [Nos]
No of Industries not meeting discharge Standards	05 [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	No Gap. RO MPPCB not identified any industries Which are not meeting the standards	RO MPPCB Rewa	Continuous Process.
2.	Complaint redressal system	No Gap. Complaint redressing system based on Mobile App/Online, is available like CM helpline portal, Env. alert app, PG Portal & Uttara portal etc.	District Administration	Continuous Process.

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 is enclosed [Granite – 3 No.] / [Bauxite – 3 no.] / [limestone- 62] [sand mines – 24]
No of licensed Mining operations In the District	92
% Area covered under mining in the District	approx 0.186 % of total area of district
Area of Sand Mining	1.77 sq.km
Area of sand Mining	[Riverbed]– 1.77 sq.km

(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	No Gap. A District level Task force committee for the monitoring of mining activities already made for environmental compliance.	District administration and mining department.	Already Done.
2.	Inventory of illegal mining if any mining	No Gap. Sand and other mining activities in the district through surveillance, petrolling and enforcement already constituted for control of illegal mining activities and Transportation.	District administration and mining department and police department.	NA
3.	Environment compliance by Mining industry	No Gap. Periodic verification of compliance to environmental conditions stipulated by RO MPPCB and mining Department is being done.	District administration and mining department and police department.	NA

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	[MPPCB Rewa-01Nos.]. Only 01 device in ROMPPCB Rewa is available and none of the other agencies have any noise monitoring devices. [No of analyzers available]-01

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.	Gap. Concerned agencies that are ULBs, SHOs, Traffic police and SPCB not have sufficient noise level meters. District administration will ensure through an action plan that concerned agencies and environmental cell under district administration have Adequate number (03 numbers) of portable noise level meters.	District administration/MPPCB/UA DD/Traffic deptt./Police deptt.	06 Months.
2.	Ambient Noise Level monitoring.	No Gap. 01. Other than event based & special projects related or as per NGTs order's monitoring, MPPCB Rewa carries out Annual noise monitoring in 06 locations. 02. Sidhi is very small city therefore MPPCB is regularly monitoring in Sidhi cities / ULBs on the religious occasions like Diwali/ new year etc. MPPCB regularly monitoring in Sidhi town at two locations monthly and six monthly at other ULBs.	District administration/MPPCB Rewa.	Continuous Process.
3.	Sign boards in Noise zones	- No Gap. - District administration/ULBs have set up adequate number of signboards at	District administration/Traffic deptt. respective	Complied.

		sensitive zones in towns / ULBs in sensitive zone.	ULBs.	
4.	Complaint redressing system	No Gap. - Action plan is being implemented - public complaint redressal system for noise pollution. Such application is being used by SHOs, Traffic police ULBs and SPCBs in the district.	District administration	Complied.
