

कार्यालय कलेक्टर, जिला-इन्दौर

क0.....2474...../स्टेनो/21/प्रदूषण बोर्ड

इन्दौर, दिनांक 28/9/21

प्रति,

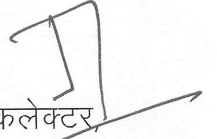
✓ प्रमुख सचिव,
म.प्र. शासन, पर्यावरण विभाग,
भोपाल (म.प्र.)

विषय:- माननीय राष्ट्रीय हरित अधिकरण प्रिंसिपल बैंच नई दिल्ली द्वारा प्रकरण कं. 360/2018 में दिये गये आदेशानुसार डिस्ट्रिक्ट इन्वायरमेंटल प्लान संबंधी।

संदर्भ:- आपका पत्र कं. 808/435/2021/32-3 दिनांक 21.09.2021

उपरोक्त विषय के बारे में माननीय राष्ट्रीय हरित अधिकरण प्रिंसिपल बैंच नई दिल्ली द्वारा प्रकरण कं. 360/2018 में दिये गये आदेशानुसार इन्दौर जिले का "डिस्ट्रिक्ट इन्वायरमेंटल प्लान" आवश्यक कार्यवाही हेतु संलग्न प्रेषित है।

संलग्न :-उपरोक्तानुसार।


कलेक्टर,

जिला- इन्दौर

क0...../स्टेनो/21/प्रदूषण बोर्ड

इन्दौर, दिनांक 28/9/21

प्रतिलिपि :-

1. क्षेत्रीय अधिकारी, म.प्र. प्रदूषण नियंत्रण बोर्ड, इन्दौर की ओर सूचनार्थ।
2. एन.आई.सी., इन्दौर की ओर सूचनार्थ कृपया District Enviromental Plan जिले की वेबसाईट पर अपलोड करें।

- Sol -

कलेक्टर,
जिला-इन्दौर

District Environmental Plan

Indore- District

(As per Hon'ble NGT in O.A. No. 360-2018, dated 29.01.2021)



INDORE

INDEX

S. No.	Contents	Page No.
1	Introduction	1
1.0	District Profile	3
	a. District Administrative Set-up	3
	b. Local institutions	6
	c. Natural Resources <ul style="list-style-type: none"> • Water bodies • Availability of water resources • Forest coverage 	6
	d. Geography & Demography	8
	e. Land-use pattern	8
	f. Climate	8
2.0	Indicative Gap Analysis and Action Plans for complying with Waste Management Rules	
	(i) Solid Waste Management	11
	a. Current status related to solid Waste management	
	b. Identification of gaps and Action plan	
	(ii) Plastic waste Management	13
	a. Current status related to Plastic Waste management	
	b. Identification of gaps and Action plan	
	(iii) C & D Waste Management	14
	a. Current status related to C & D Waste management	
	b. Identification of gaps and Action plan	
	(iv) Biomedical Waste Management	15
	a. Current status related to Biomedical Waste	
	b. Identification of gaps and Action plan	
	(v) Hazardous Waste Management	16
	a. Current status related to Hazardous Waste Management	
	b. Identification of gaps and Action plan	
	(vi) E-Waste Management	17

	a. Current status related to E-Waste Waste Management	
	b. Identification of gaps and Action plan	
3.0	Air Quality Management	17
	a. Current Status related to Air Quality Management	
	b. Identification of gaps and action plan	
4.0	Water Quality Management	18
	4.1 Water Quality Monitoring	18
	a. Current Status related to Water Quality Management	
	b. Identification of gaps and action plan for water quality monitoring	
	4.2 Domestic Sewage	19
	a. Current Status related to Domestic Sewage	
	b. Identification of gaps and action plan for treatment of domestic sewage	
5.0	Industrial Waste Water Management	20
	a. Current Status related to Industrial Waste water Management	
	b. Identification of gaps and action plan for industrial waste water	
6.0	Mining Activity Management plan	21
	a. Current Status related to Mining Activity Management	
	b. Identification of gaps and action plan	
7.0	Noise Pollution Management plan	21
	a. Current Status related to Noise Pollution Management	
	b. Identification of gaps and action plan	

1. INTRODUCTION

Hon'ble National Green Tribunal Principal Bench New Delhi issued direction in OA 710/2017 Shailash Singh vs. Sheela Hospital & Trauma Centre and Shahjahanpur and ors. on 15/07/2019 & in OA No 360/2018 Shreenath Sharma vs. Union of India & ors. on 26/09/2019 to prepare District Environment Plan. In compliance of above order passed by Hon'ble NGT on 26-09-2019, District Environmental Plan (DEP) was prepared and submitted to M.P. Pollution Control Board Bhopal vide letter no. 3483 dated 04.12.2019. MPPCB Bhopal submitted the Action Plan to CPCB along with the DEPs of other districts of M.P. Hon'ble NGT passed following order on Date 29.01.2021 :

“In view of above, having regard to the significance of the issue and inadequate progress, we direct the Chief Secretaries of all the States/UTs to oversee and monitor compliance by the concerned District Magistrates for preparing the requisite plans and execute the plans already prepared. Further steps for preparation and execution of State and National plans may also be taken in the interest of scientific and effective protection of environment and public health.”

To comply above order CPCB wrote a letter to Principal Secretary department of Environment Govt. of M.P. vide letter no. 1637 dated 24.05.2021 stating that “Upon examining the DEPs, it is observed that there is scope for improving these DEPs w.r.t. thematic areas, action points and corresponding agencies and time lines.” Hence in view of the same, the concerned departments and the DMs may be directed to implement the DEP in time bound manner. In this regard, while the action points identified in DEPs may be implemented, the DEPs may be improved further to cover all thematic areas. CPCB also enclosed an indicative template to improve the DEPs for ready reference.

Further to comply the above directions issued by Hon'ble NGT and CPCB, Member Secretary, M.P. Pollution Control Board issued letters to all the district Collectors of the state vide letter no. 109 dated 06.07.2021 to revised the DEPs as per directives of Hon'ble NGT and CPCB. Thus the DEP of district Indore is submitted as here in below as per guidelines received from CPCB.

It is pertinent to mention here that as per order issued by Hon'ble NGT, Collector Indore constituted District Committee comprising of following members to evolve and execute District Environmental Plan vide letter no. 3349 dated 25.11.2019.

1	District Collector, Indore	Chairman
2	S.P. Traffic Police, Indore	Member
3	CEO, Jila Panchayat, Indore	Member
4	Upper Collector (NGT Nodal Officer), Indore	Nodal Officer
5	Astt. Geo-hydrologist, Indore	Member
6	District Mining Officer, Mining Office, Indore	Member
7	Joint Director, Urban Development Authority, Indore	Member
8	Deputy Director Agriculture welfare Dept., Indore	Member
9	Executive Engineer, WRD, Indore	Member
10	CMHO, Indore	Member
11	Executive Engineer, PHED, Indore	Member
12	RTO, Indore	Member
13	Deputy Director of Veterinary & Animal Husbandry, Indore	Member
14	Divisional Forest Officer, Indore	Member
15	District Incharge Officer, M.P. Pollution Control Board, Indore	Member
16	General Manager, MPSIDC (AKVN), Indore	Member
17	General Manager, DTIC, Indore	Member
18	Project Officer, DUDA, Indore	Member
19	CEO Cantonment Board, Mhow, Indore	Member

1.0 District Profile :

Indore District :

The Indore District is a district of Madhya Pradesh state in central India. The name of the district comes from the city of Indore, which is its administrative capital. This district forms part of the Indore Division. The Indore District has an area of 3,898 km² and borders the districts of Ujjain to the north, Dewas to the east, Khargone (West Nimar) to the south, and Dhar to the west.

Indore is the administrative centre and main city in the district.

Dr. Ambedkar Nagar is an important cantonment town in the Indore District that contains three of the Indian Army's premier training institutes, as well as the Border Security Force's Central School of Weapons and Tactics (CSWT). Other towns in Indore include Depalpur, Sanwer and Hatod.

About Indore City:

Indore city is the only important city of district Indore. Indore is located on the Western region of Madhya Pradesh is one of the most important commercial centers of the state. The rich chronological history of Indore is worth considering. Even in days of yore it was an important business hub. However, today with the entry of the corporate firms and institutions, it has earned a major name in the commercial sector of the country. As the story goes, Malhar Rao Holkar of the Holkar clan, received Indore as part of his booty in the conquest of Malwa in 1733. His descendants, who formed the core part of Maratha confederacy, came into conflict with the Peshwas and Scindhias and continued the gory battle. There was a sharp turn in the History of Indore with the advent of the East India Company.

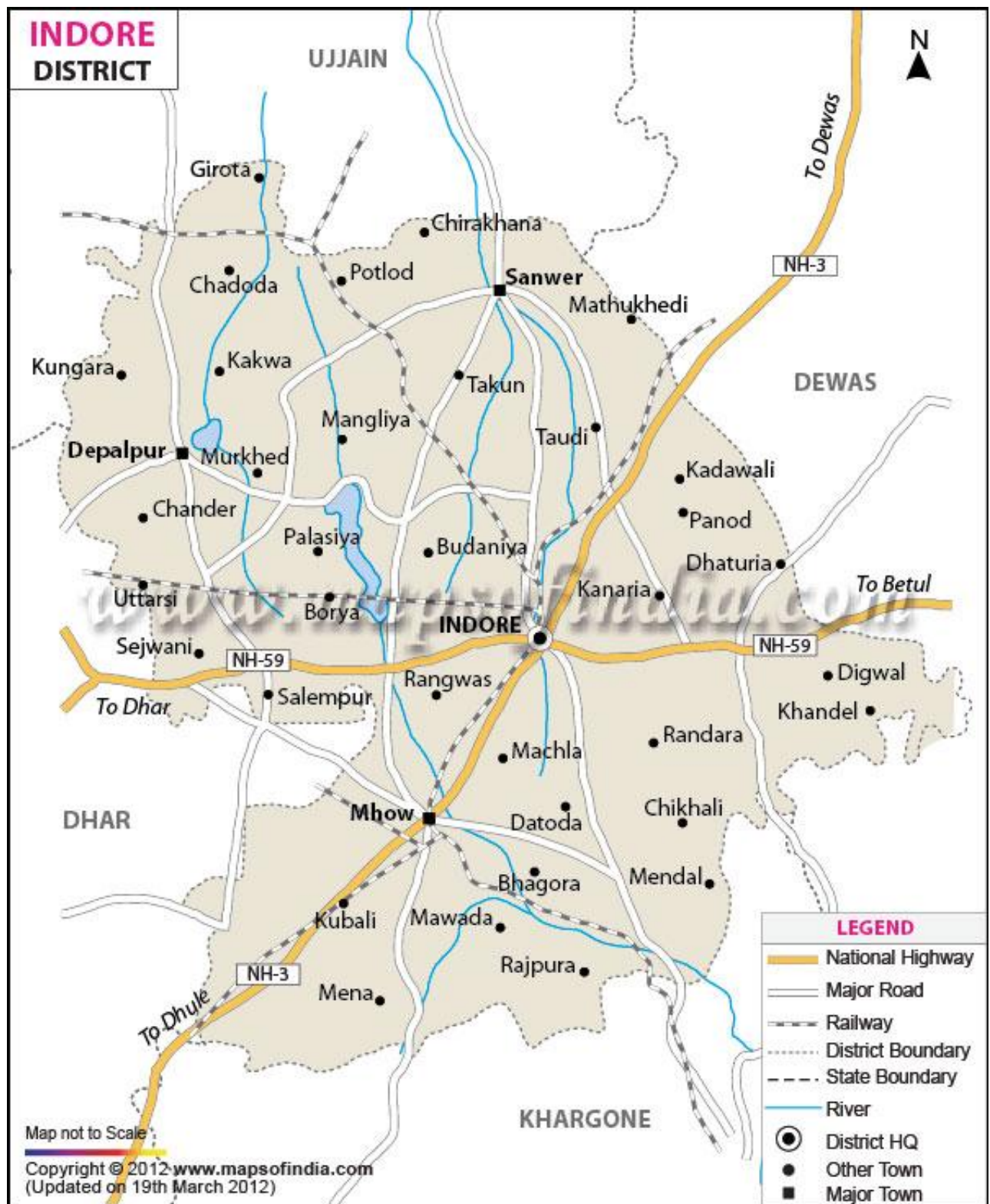
a. District Administrative Set-up:-

The Indore city is district headquarter of the district Indore. There are 10 tehsils namely Indore, Mhow, Sanwer, Depalpur, Hatod, Kanadiya,

Bicholi Hapsi, Khudel & Rau in district Indore. The district has 04 blocks namely Indore (Population- 213050), Mhow (Population- 230653), Sanwer (Population- 199797) & Depalpur (Population- 205488). The district is headed by District Magistrate and the S.D.M. are posted at Block level. Also in Panchayati Raj structure, the CEO Jila Panchayat is posted at district level.

District Administrative Setup

Item	Description	Item	Description
Area	3898 Sq. Km	Total Population	32,76,697
Revenue Subdivisions	10	Urban Population	24,27,709
Revenue Tehsils	5	Rural Population	84,8988
Gram Panchayats	312	Male Female Ratio	928
No. of Nagar Palika/ Nagar Parishad	9	Literacy Rate	80.87%
No. of Municipal Corporation	1		
Govt. Land	92,960 Ha.	No. Of Revenue Villages	676
Industries Land	576.45 Ha.	No. Of Development Villages	621
Agriculture land –	290,138 Ha.	No. Of House Hold	649540
Coordinates	22.8354° N, 75.8069° E		



District Map of Indore

b. Local Institutions :-

As stated here in above, there are 10 tehsils in district Indore. The Tehsildar are posted in each of the tehsil as revenue officers. The Janpad Panchayat office are setup at tehsil level and the offices are headed by CEO Janpad Panchayat. There are 312 Gram Panchayats in District Indore. The offices are headed by respective Sarpanch & Panchayat Sachiv.

c. Natural Resources:

Water bodies

There are 02 major rivers in Indore District namely Kanh & Gambhir and Kanh River being tributary to Ganga Basin originate from Asrawad Khurd near southeastern boundary of Indore. Travelling to a total length of 80 Km and confluences in river Shipra near Ujjain. Gambhir river originates from Janapav near Mhow and confluences in river Shipra near Ujjain. There are 02 Small rivers in Indore namely Chandrabhaga and Saraswati Joining river Kanh in Indore.

There are 04 major lakes in Indore City namely Bilawali, Sirpur, Pipliyapala and Pipliyahana. Yashwant Sagar is a dam reservoir on Gambhir river, located around 26 kilometers west of Indore near Hatod tehsil on Indore-Depalpur road in Indore district of Madhya Pradesh. It supplies water to Indore. It is spread over around 2,650 hectares.

• Availability of water resources –

There are total 05 Rivers flowing to a length of 348 Kms, 58 Lakes and ponds spread over 2744.77 Hectare and 151939-estimated no. of Borewells are available as a source of water. The major source of water supply in the district is Narmada river through water distribution networks.

The major source of water supply to the city is Narmada River supplying 440 MLD and other sources of water supply to the city are ground water (60 MLD) from approximately 350 public bore wells and 38 MLD is supplied from others source such as Bilawali and Yashwant Sagar.



River Front Indore

- **Forest coverage**

According to the India state of forest report 2019, the geographical area of Indore district is 3898 Square K.M. out of which 349.08 square Km. is covered by moderately dense forest & 329.65 square Km. is covered by open forest and the green area cover is 17.41%. Indore has a forest sanctuary named Ralamandal sanctuary situated in outskirts of Indore near Tillore Khurd.



Ralamandal Indore

d. Geography & Demography

Item	Description
Area	3898 Sq. Km
Total Population	32,76,697
Urban Population	24,27,709
Rural Population	84,8988
Male Female Ratio	928 (District) 931 (State)
Literacy Rate	80.87%
Decennial Growth Rate	3.21%
Density of population	839Per Sq. Km.

e. Land-Use Pattern

Parameters	Description
Geographical Area	3830.97 Sq. Km
Area Under Forest	678.73 Sq. Km
Net Area Sown Cropped Area	250635 Hectare
Area Irrigate	225168 Hectare
% of Net area irrigated to total area sown	77.60 %

f. Climate

Indore district has a tropical climate. The average annual temperature is 25.3°C. The month of May is hottest with average temperature of 32.7°C and the month of December is coldest with an average temperature of 17 °C.

The average annual rainfall in Indore is 40.7 inches with the months of July- August having the most no. of rainy days. Since Indore does not lie on the bank of any major River or Ocean, so the possibilities of occurrence of floods and cyclones are minimum, however during the peak rainfall season there may be some temporary situations of water logging in some areas.

Due to Indore being situated in a plain geographical area, the Chances of occurrence of landslides are slightly minimum.

The climate of Indore district is characterized by hot summer and well-distributed rainfall during the southwest monsoon season. Monsoon arrives generally in the middle of June and the weather becomes pleasant. January is generally the coolest month. Sometimes in December, the minimum temperature drops down to even as low as about 2 to 3°C. There are seven raingaugestations in Indore district, namely Indore, Mhow, Manpur, Depalpur, Sanwer, Hatod and Gautampura. Normal annual rainfall of the district is 960.96 mm. The district receives maximum rainfall during the south west monsoon period. Thus about 91.2 % of the total annual rainfall takes place during the south west monsoon period (June to September) alone. The maximum monthly rainfall takes place during the month of July.

The District Environmental Plan covers the following environmental issues:

1. Indicative Gap Analysis and Action Plans for complying with Waste Management Rules
 - (i) Solid Waste Management
 - a. Current status related to solid Waste management
 - b. Identification of gaps and Action plan
 - (ii) Plastic waste Management
 - a. Current status related to Plastic Waste management
 - b. Identification of gaps and Action plan
 - (iii) C & D Waste Management
 - a. Current status related to C & D Waste management
 - b. Identification of gaps and Action plan
 - (iv) Biomedical Waste Management

- a. Current status related to Biomedical Waste
 - b. Identification of gaps and Action plan
- (v) Hazardous Waste Management
 - a. Current status related to Hazardous Waste Management
 - b. Identification of gaps and Action plan
- (vi) E-Waste Management
 - a. Current status related to E-Waste Waste Management
 - b. Identification of gaps and Action plan
- 2. Air Quality Management**
 - a. Current Status related to Air Quality Management
 - b. Identification of gaps and action plan
- 3. Water Quality Management**
 - 3.1 Water Quality Monitoring**
 - a. Current Status related to Water Quality Management
 - b. Identification of gaps and action plan for water quality monitoring
 - 3.2 Domestic Sewage**
 - a. Current Status related to Domestic Sewage
 - b. Identification of gaps and action plan for treatment of domestic sewage
- 4. Industrial Waste Water Management**
 - a. Current Status related to Industrial Waste water Management
 - b. Identification of gaps and action plan for industrial waste water
- 5. Mining Activity Management plan**
 - a. Current Status related to Mining Activity Management
 - b. Identification of gaps and action plan
- 6. Noise Pollution Management plan**
 - a. Current Status related to Noise Pollution Management
 - b. Identification of gaps and action plan

2.0 Waste Management Plan

Preamble: Solid Waste Management Plan:

The Ministry of Environment, Forest and Climate Change, Government of India has notified the Solid Waste Management Rules, 2016. As per the Rules, the role of local body has been specified in Rule no 15 and as per Rule no 16, M.P. Pollution Control Board shall enforce these Rules through local bodies.

With respect to effective implementation of Solid Waste Management Rules, 2016, Hon'ble NGT had laid down several orders, of which, Hon'ble National Green Tribunal, Principal Bench on 22nd December 2016 has passed judgment in Original Application No. 199 of 2014 filed by Mrs. Almitra Patel with regard to Solid Waste Management.

Further, for effective implementation of the said Rules, the Hon'ble NGT in its orders dated 31.08.2018 had constituted Apex Committee, Regional Committee and State Committee. Also, as per Hon'ble NGT order dated: 16.01.2019 in O.A. No. 606/2018, State Level Monitoring Committee (SLMC) in Madhya Pradesh has been constituted under the retired Justice.

(i) Solid Wastes Management in Indore District:

In Indore District, there are 01 Municipal Corporation and 09 Municipalities. The total quantity of Solid Waste Generation is around 1257.56 tons / day. In Indore District, most of the solid waste is generated in Municipal Corporation Indore. The quantity of this waste is about 1167 MT/Day. Indore Municipal Corporation (IMC) has taken various required measures for collection, transportation, treatment & disposal of Municipal Solid waste & Construction & Demolition wastes as stated here in above. Indore city has been awarded no. 1 cleanest city of India in Swachhata Survey in year 2017, 2018, 2019 & 2020. Indore the country's cleanest city, has now been declared as the first 'water plus' city of India

under the Swachh Survekshan 2021. In year 2018 the IMC has cleared 13 lakhs MT of legacy waste & the area has been made as a green park with thousands of plants. Thus, for MSW management and C&D waste management all the facilities exist in IMC & no further action plan required. Also the 09 Municipalities of the district have started 100% door-to-door collection but the segregation of solid waste, processing of wet waste, disposal of dry waste & construction of scientific sanitary landfill is yet to be done. The details regarding action areas, Data requirement, Measurable outcome, the details of proposed interventions & stakeholders are given for each ULBs as mentioned here in below Table :-

Table-1

S.No.	Name of ULB	Annexure
1	Municipal Corporation Indore	Annexure-1
2	Nagar Parisad, Betma, Indore	Annexure-2
3	Chhavani Parishad, Mhow, Indore	Annexure-3
4	Nagar Parisad, depalpur, Indore	Annexure-4
5	Nagar Parisad, Sanwer, Indore	Annexure-5
6	Nagar Parisad, Rao, Indore	Annexure-6
7	Nagar Parisad, Manpur, Indore	Annexure-7
8	Nagar Parisad, Hatod, Indore	Annexure-8
9	Nagar Parisad, Mhow Gaon, Indore	Annexure-9
10	Nagar Parisad, Gaotampura, Indore	Annexure-10



Situation of Legacy Waste Before Bioremediation



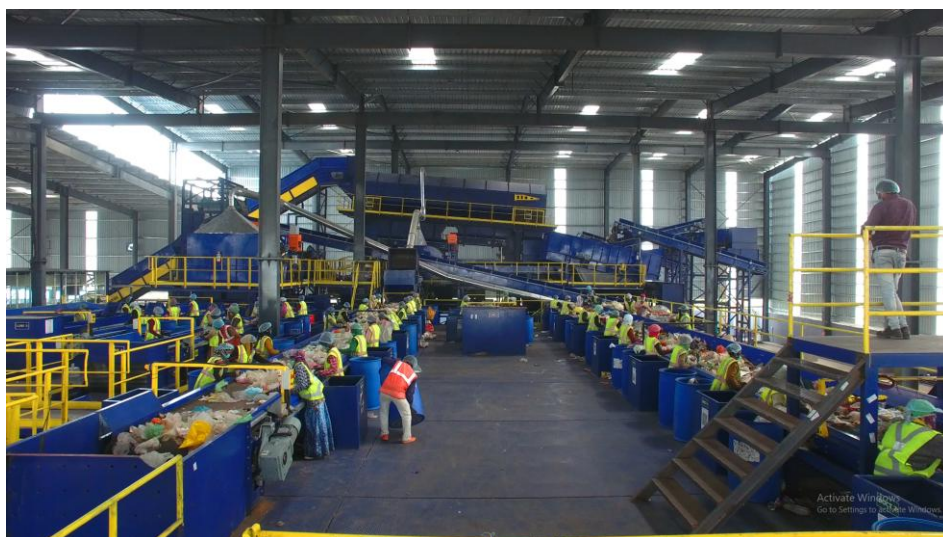
Situation of Legacy Waste After Bioremediation

(ii) Plastic Waste Management

The Govt. of India has notified Plastic Waste Management Rules 2016. These rules are applicable in State of Madhya Pradesh also. In order to prevent the pollution problems caused by Polythene Carry bags, Deptt. of Environment, Govt. of MP has imposed complete ban on manufacturing, storage, transportation, sell, purchase and use of all type of polythene carry bags vide order no. F5-2/2015/18-5 dated 24.05.2017. All the local bodies and District Administration have been asked to carryout inspections and impose penalties on violators along with seizers. Also in order to comply the provisions of the rule and to give thrust on Plastic Waste minimization,

source segregation, recycling, involving waste pickers, recyclers and waste processors in collection of plastic waste fraction either from households or any other source of its generation or intermediate material recovery facility and adopt polluters pay principle for the sustainability of the Plastic Waste Management is to be practiced.

All the local bodies are directed to ensure that the recyclable Plastic Waste are sold to the recyclers, low value plastic are utilized for road laying, the non-recyclable Plastic Waste to co-incineration in Cement Plant and the remaining inert to landfill site for disposal. Awareness program to reduce plastic usage are conducted regularly. The details regarding action areas, Data requirement, Measurable outcome, the details of proposed interventions & stakeholders are given for each ULBs as mentioned in various Annexure mentioned in **Table-1**.



Fully Automatic Material Recovery Facility (MRF) at Indore

(iii) C&D Waste Management

The Govt. of India has notified C&DWaste Management Rules 2016. These rules are applicable in State of Madhya Pradesh also. In Indore district the generation of C&D waste is mostly found in city Indore. Indore Municipal Corporation (IMC) has taken various required measures for collection, transportation, treatment & disposal of

Construction & Demolition wastes. IMC has installed C & D waste processing facility. Indore city has been awarded no. 1 cleanest city of India in Swachhata Survey in year 2017, 2018, 2019 & 2020. Indore the country's cleanest city, has now been declared as the first 'water plus' city of India under the Swachh Survekshan 2021. Except, Indore city, other local bodies the C & D waste generation is very minimum and they are advised to ensure that the C&D waste are disposed in suitable abandoned quarries without affecting the nearby Environment. The details regarding action areas, Data requirement, Measurable outcome, the details of proposed interventions & stakeholders are given for each ULBs as mentioned in various Annexure mentioned in **Table-1**.



C&D Waste Management Plant at Indore

(iv) Bio-medical Waste Management

In Indore District 69 Government Hospitals, 21 Veterinary Hospitals and about 1115 Private Hospitals/Health Care Facilities are functioning.

All the Private Health Care facilities have made agreement with Common Bio Medical Waste Facility owned by M/s. Hoswin Incinerator Pvt. Ltd., located at Plot No. 196-8, Sector-F, Sanwer Road I/A Indore.

All the major Govt. Hospitals (15) are also sending their waste to above incinerator. The Govt. Primary Health Center located in remote places of rural areas are disposing of their waste through deep burial. All the Govt. Primary Health Centers and Veterinary Hospitals are persuaded to send their waste to CBWTF. The details of Indore district related to action areas, measurable outcome and proposed action required to be taken along with stakeholder are given in **Annexure-11**.



Incinerator for Biomedical Waste Treatment at Indore

(v) Hazardous Waste Management

There are 551 industries/units which have obtained authorization from MPPCB in Indore District. Industries have obtained authorization for 22128.782 MT/Annum Hazardous Waste. The hazardous waste which is landfill able is sent to M/s. M.P. Waste Management Co. Ltd., at Pithampur for secured landfill. The recyclable, reusable & Co-incinerable waste is sent to authorize recyclers/ Cement Kilns. The details as required in Model format of CPCB are enclosed as **Annexure-12**.

(vi) E-Waste Management

The Govt. of India has notified E-Waste Management Rules 2016. These rules are applicable in State of Madhya Pradesh also. There are 01

recycler & 02 dismantlers authorized by M.P. Pollution Control Board for E-Waste Management. All above units are located in Indore City. The E-Waste generated in the area is sent to above authorized industries for further treatment & disposal of E-Waste. The details of E-Waste for Indore district with respect to action areas, measurable outcome and proposed action required to be taken along with stakeholder are given in **Annexure-13**.

3.0 Air Quality Management Plan

The major source of air pollution in Indore is vehicular emission, construction activities, industrial emission etc. M P Pollution Control Board is regularly monitoring the Ambient Air Quality at Indore through three manual NAMP stations installed at Vijay Nagar, Kothari Market and Sanwer Road, as well as one Continuous Ambient Air Quality Monitoring Station installed at DIG Office, Regal Square.

Cities are considered as Non-attainment cities, if they were consistently showing poorer air quality than the National Ambient Air Quality Standards. Indore city has been included under the list of Non-attainment cities. As per Order passed by National Green Tribunal Delhi in case no. 681/2018, an Action Plan has been prepared and submitted to CPCB. The Action Plan is uploaded in website (www.mppcb.nic.in) of MPPCB. An inter departmental committee has been setup under the Chairmanship of Divisional Commissioner Indore to review the progress of implementation of Action Plan. All the above Action Plans made for improvement of the Air Quality of city Indore have been implemented by various stake holders and due to this the city Indore has been declared no. 01 clean city in India during “Swachh Survekshan” in the survey conducted for 2017 , 2018, 2019 & 2020 continuously. The AQI of Indore is being observed in “Satisfactory Category” throughout last 03 years. As

per proforma provided by CPCB the information about Air Quality Management Plan has been collected for district Indore. The details of action areas, measurable outcome and proposed action required to be taken along with stakeholder are given in Annexure-14.

4.0 Water Quality Management Plan

4.1 Water Quality Monitoring

The Hon'ble NGT in its order directed the States to review the existing framework of restoration of all the water bodies by preparing an appropriate action plan as per the guidelines prescribed the CPCB.

Water quality of rivers and lakes in Madhya Pradesh is monitored regularly on monthly basis by Madhya Pradesh Pollution Control Board under GEMS and MINARS programme and the reports are submitted to the Central Pollution Control Board. Based on the consolidated reports of GEMS and MINARS programme the Central Pollution Control Board has identified 351 river stretches as polluted river stretches in the country for not meeting the prescribed water quality standards. The river Khan at Indore has been identified as polluted river stretch (priority 1). As per Hon'ble NGT order in case no. 673/2018, an action plan for rejuvenation of Khan river has been prepared and submitted to CPCB. This action plan consist of components like identification of polluting sources including functioning/ status of STPs/ETPs/CETP and solid waste management and processing facilities, quantification and characterization of solid waste, trade and sewage generated in the catchment area of polluted river stretch. The action plan addresses issues relating to; ground water extraction, adopting good irrigation practices, protection and management of Flood Plain Zones (FPZ), rain water harvesting, ground water charging maintaining minimum environmental flow of river and plantation on both sides of the river. The action plan focus on proper

interception and diversion of sewage carrying drains to the Sewage Treatment Plant (STP) and emphasis should be on utilization of treated sewage so as to minimize extraction of ground or surface water. The detailed action plan as stated here in above has been uploaded in MPPCB website www.mppcb.nic.in. In this regard a monitoring committee has been setup under the chairmanship of Collector Indore with the Heads of the various concerned departments.

In present District Environment Plan all the water bodies (Lakes, Tanks, Ponds, Ground Water) in District Indore have been considered along with above polluted stretch. The rivers flowing in the district along with their length have been identified. Also the tanks, ponds along with their submerged area has been provided by WRD. The details of Water bodies of Indore district and the action areas, measurable outcome and proposed action required to be taken along with stakeholder are given in **Annexure-15**.

4.2 Domestic Sewage Management Plan

CPCB and MPPCB have periodically issued directions to the urban/ local bodies to set up Sewage Treatment Plants (STPs) of adequate capacity including provision for sewerage system to cover the entire local/urban areas and the treated effluent to comply with the Standards in order to prevent deterioration of surface, sub-surface waters.

The treated sewage, after meeting out the prescribed standards for core parameters are either used for irrigation or let into water bodies. As per proforma provided by CPCB the information about sewage generation, treatment, sewerage network etc. has been collected for Class-II, Class-I and above towns. The details of action areas, measurable

outcome and proposed action required to be taken along with stakeholder are given in **Annexure-16**.



Sewage Treatment Plant at Kabitkhedi (Indore)

5.0 Industrial Waste Water Management Plan

Indore is commercial city of Madhya Pradesh. There are nos. of industrial areas in the district. One of the major industrial areas named Sanwer Road Industrial Area is located in Indore city. This industrial area in housing several small scale industries particularly steel rolling mills, textile mills, pharma, confectionaries, bulk drugs, engineering units, plastic recycling units etc. Also, Palda Industrial area is located on Nemavar Road in city limit of Indore. This Industrial area is in-housing about 400 small scale agro based and Food industries particularly Dall mills & Confectionaries. Following other small industries area located in other part of District such as Industrial Area Rau, Industrial Area Laxmibai Ngar, Industrial Area Hatod. There are several other small industrial areas located in other parts of the district. The details are given in following parts of the report.

All the Air/Water polluting industries are having adequate pollution control arrangements and complying provisions of Air/ Water Acts. In Sanwer road industrial area, a common effluent treatment plant has been installed by Municipal Corporation Indore for treatment of waste water generating from small scale industries of this area. The details of Action areas related to industrial areas, Water polluting industries, Air polluting industries, measurable outcomes, proposed interventions etc. are given in **Annexure-17**.

6.0 Mining Activity Management Plan

Indore district does not have major minerals deposits. Also activities of sand mining are not there. The stone boulder mines are found to be there in limited areas. The stone gitti is made from the boulders excavated from these stone mines. The details of mining activity, mining licenses issued along with action areas, details of data requirements, measurable outcome etc. are given in **Annexure-18**.

7.0 Noise Pollution Management Plan

In Indore district there are one municipal corporation (Indore City) and 09 municipalities. The noise pollution problem is observed only in Indore Municipal Corporation Area. The major source of Noise pollution in Indore is Vehicular Traffic, Aircraft, Railways, Transport and Industries etc. MP Pollution Control Board is randomly monitoring the Ambient Air Quality of Noise at various locations of Indore. An action plan to control noise pollution of city Indore has been made as per direction issued by Hon'ble NGT in case no. 681/2018 and direction issued by CPCB vide letter dated 21.06.2019, File No. A-14011/1/2015-MON, u/s 18(1) (B) of the Air (Prevention & Control of Pollution) Act, 1981 regarding Noise Mapping, identifying hot spots and Mitigation plan for Control of Noise Pollution. The protocol to control noise pollution has

been made and submitted to CPCB. According to this protocol various majors are being taken to mitigate noise pollution. As per proforma provided by CPCB the information about Noise Pollution Management Plan has been collected for district Indore. The details of action areas, measurable outcome and proposed action required to be taken along with stakeholder are given in **Annexure-19**.


कार्यालय कलेक्टर, जिला-इन्दौर
क० 3349 / स्टेनो / 19/प्रदूषण/

इन्दौर, दिनांक 25/11/19

कार्यालय आदेश

माननीय राष्ट्रीय हरित अधिकरण प्रिंसिपल बैंच नई दिल्ली द्वारा प्रकरण कं. 360/2018 में दिये गये आदेशानुसार डिस्ट्रिक्ट इन्वायरमेंटल प्लान बनाने एवं इसकी जिला स्तरीय मॉनिटरिंग हेतु कलेक्टर जिला इन्दौर की अध्यक्षता में निम्नानुसार जिला स्तरीय कमेटी का गठन किया जाता है :-

1. आयुक्त, नगर निगम, इन्दौर
2. पुलिस अधीक्षक, यातायात, इन्दौर
3. सी.ई.ओ. जिला पंचायत, इन्दौर
4. अपर कलेक्टर, इन्दौर (NGT - नोडल अधिकारी)
5. सहायक भू-जल विद्, जिला भू-जल सर्वेक्षण इकाई, बक्सीबाग, इन्दौर
6. जिला खनिज अधिकारी, खनिज संसाधन विभाग।
7. संयुक्त संचालक, नगरीय विकास विभाग, इन्दौर।
8. उपसंचालक, कृषि विभाग, इन्दौर।
9. कार्यपालन यंत्री, जल संसाधन विभाग, इन्दौर।
10. मुख्य चिकित्सा एवं स्वास्थ्य अधिकारी, इन्दौर।
11. कार्यपालन यंत्री, लोक स्वास्थ्य यांत्रिकी विभाग।
12. जिला परिवहन अधिकारी।
13. उपसंचालक पशु चिकित्सा सेवा।
14. डिवीजनल फारेस्ट ऑफिसर।
15. जिला प्रभारी, म.प्र. प्रदूषण नियंत्रण बोर्ड।
16. महाप्रबंधक, म.प्र. औद्योगिक केन्द्र विकास निगम, इन्दौर।
17. महाप्रबंधक, जिला उद्योग एवं व्यापार केन्द्र, इन्दौर।
18. प्रोजेक्ट आफिसर, जिला शहरी विकास अभिकरण, इन्दौर।
19. सी.ई.ओ., कैंटोनमेंट बोर्ड, महु, इन्दौर।


(लोकेश कुमार जाटव)
कलेक्टर
जिला-इन्दौर

पृ०क० 3350 / स्टेनो / 19

इन्दौर, दिनांक 25/11/19

प्रतिलिपि :-

1. आयुक्त, नगर निगम, इन्दौर
2. पुलिस अधीक्षक, यातायात, इन्दौर
3. सी.ई.ओ. जिला पंचायत, इन्दौर
4. अपर कलेक्टर, इन्दौर (NGT - नोडल अधिकारी)
5. सहायक भू-जल विद्, जिला भू-जल सर्वेक्षण इकाई, बक्सीबाग, इन्दौर
6. जिला खनिज अधिकारी, खनिज संसाधन विभाग।
7. संयुक्त संचालक, नगरीय विकास विभाग, इन्दौर।

8. उपसंचालक, कृषि विभाग, इन्दौर।
9. कार्यपालन यंत्री, जल संसाधन विभाग, इन्दौर।
10. मुख्य चिकित्सा एवं स्वास्थ्य अधिकारी, स्वास्थ्य विभाग, इन्दौर।
11. कार्यपालन यंत्री, लोक स्वास्थ्य यांत्रिकी विभाग।
12. जिला परिवहन अधिकारी।
13. उपसंचालक पशु चिकित्सा सेवा।
14. डिवीजनल फारेस्ट ऑफिसर।
15. जिला प्रभारी, म.प्र. प्रदूषण नियंत्रण बोर्ड।
16. महाप्रबंधक, म.प्र. औद्योगिक केन्द्र विकास निगम, इन्दौर।
17. महाप्रबंधक, जिला उद्योग एवं व्यापार केन्द्र, इन्दौर।
18. प्रोजेक्ट आफिसर, जिला शहरी विकास अभिकरण, इन्दौर।
19. सी.ई.ओ., कॅटोनमेंट बोर्ड, महु, इन्दौर।

उपरोक्तानुसार समस्त अधिकारियों को सूचित किया जाता है कि दिनांक 18.11.2019 को 12.00 बजे कलेक्टर सभाकक्ष में आयोजित टी.एल. बैठक में पत्र के साथ संलग्न मॉडल डिस्ट्रिक्ट इन्वायरमेंटल प्लान में चाही गई विभाग से संबंधित समस्त जानकारी के साथ उपस्थित होंगे। मॉडल डिस्ट्रिक्ट इन्वायरमेंटल प्लान की सॉफ्ट कापी ई-मेल द्वारा प्रेषित की जा रही है।



कलेक्टर

जिला-इन्दौर

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					
S.No.	Urban Local bodies	No of Wards/ Villages	No of Households	Population	Solid Waste Generated per day (MT/D)
1	Municipal corporation Indore	85	486307	2197447	1029
2	Nagar Parishad Betma	15	3198	15999	4.4
3	Canntonmnet Board Mhow	8	11810	81183	21
4	Nagar Parishad Depalpur	15	2961	17471	7
5	Nagar Parishad Sanwer	15	3495	16150	4.56
6	Nagar Parishad Rau	15	7502	36055	14.68
7	Nagar Parishad Manpur	15	1362	7652	4
8	Nagar Parishad Hatod	15	1973	10414	3.1
9	Nagar Parishad MhowGao	15	6603	30012	14.68
10	Nagar Parishad Gautampura	15	2674	14585	3.5

S.No.	Local Bodies	No of Village panchayats / Blocks	No of Households	Population	Solid Waste Generated per day (TPD)
1	Block /Taluk / Mandal Tehsils	4blocks/10 Tehsils	490,140	2,427,709	1105.92
2	Village/Gram Panchayats	621 Villages/ 312 Gram Panchayats	159,400	848,988	169.79

(ii) Plastic waste Management					
(a) Current status related to Plastic waste management					
S.No.	Urban Local bodies	Estimated quantity of Plastic Waste			
		Generated per day (MT/Day)			
1	Municipal corporation Indore	164.38			
2	Nagar Parishad Betma	0.088			
3	Canntonmnet Board Mhow	0.838			
4	Nagar Parishad Depalpur	0.14			
5	Nagar Parishad Sanwer	0.091			
6	Nagar Parishad Rau	0.29			
7	Nagar Parishad Manpur	0.08			
8	Nagar Parishad Hatod	0.062			
9	Nagar Parishad MhowGao	0.28			
10	Nagar Parishad Gautampura	0.07			

S.NO.	Local Bodies	Plastic Waste Generated per day (TPD)
1	Block /Taluk / Mandal Tehsils	18.45
2	Village/Gram Panchayats	6.45

(iii) C & D Waste Management					
a. Current status related to C & D Waste					
S.No.	Urban Local bodies	Generated per day in Tons			
1	Municipal corporation Indore	61			
2	Nagar Parishad Betma	0.2			
3	Canntonmnet Board Mhow	2			
4	Nagar Parishad Depalpur	0.1			
5	Nagar Parishad Sanwer	0.6			
6	Nagar Parishad Rau	0.1			
7	Nagar Parishad Manpur	0.05			
8	Nagar Parishad Hatod	0.2			
9	Nagar Parishad MhowGaon	0.2			
10	Nagar Parishad Gautampura	0.5			

Annexure-1

2.0 Indicative Gap Analysis and Action Plans for complying with Waste Management Rules

Indore Municipal Corporation

(i) Solid Waste Management

b. Identification of gaps and Action plan (MSW):

S. No.	Action points For villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan
1	Segregation				
(i)	Segregation of waste at source	The door to door collection - 100% with source segregation: No Gap. Secondary Transfer station with segregated collection & transportation up to centralized processing plant-10 Nos. (100%) : No Gap	100% Segregation at Source is being Practised by Indore Municipal Corporation. Hence Action Plan is Not Required.	IMC	Completed
2	Sweeping				
(i)	Manual Sweeping	2400 Km daily manual sweeping with litter picking is done in all residential areas (100%): No Gap	100% work completed. No action plan required.	IMC	Completed
(ii)	Mechanical Road Sweeping & Collection	23- Mechanical sweepers are there. 800 Kms roads covering 100% commercial area. No Gap	15% Day to Day sweeping of Major roads in indore is done by Mechanical Sweeping using Mechanical Sweeping Machines.	IMC	Completed
3	Waste Collection				
(i)	100% collection of solid waste	100% collection achieved-No Gap	100% Waste Collection is Done by IMC on daily bases	IMC	Completed
(ii)	Arrangement for door to door collection	All 85 wards are covered through segregated door to door collection-No Gap	100% Door to Door Collection is done and covered all 85 Wards.	IMC	Completed
(iii)	Waste Collection trolleys with separate compartments	All door to door collection trolleys have separate compartments for 06 type of waste segregation. Organic (wet) , inorganic (dry) , plastic, sanitary waste, domestic hazardous waste & E-waste.-No Gap	There are 146 Waste Collection trollys Available. 50 additional trolleys required to improve system efficiency.	IMC	Completed
(iv)	Mini Collection Trucks with separate compartments	All door to door collection Mini Trucks have separate compartments for 06 type of waste segregation. Organic (wet) , inorganic (dry) , plastic, sanitary waste, domestic hazardous waste & E-waste.-No Gap	533 mini Collection trucks available. 160 additional Mini Trucks required to improve system efficiency.	IMC	Completed
(v)	Waste Deposition centres (for domestic hazardous wastes)	There are 10 Mechanised secondary transfer stations which act as waste deposite centres.- No Gap	There are 10 Mechanised transfer stations which act as waste deposite centres.	IMC	Completed
4	Waste Transport				
(i)	Review existing infrastructure for waste Transport.	30% additional infrastructure i.e. 50 trolleys and 160 mini trucks are required to have efficient waste transport system	Existing fleet is adequate and segregated waste is being transported to the processing facility. 30% additional infrastructure i.e. 50 trolleys and 160 mini trucks are required to have efficient waste transport system	IMC	Completed
(ii)	Bulk Waste Trucks	78 No.s of Bulk waste Trucks are available for Waste transportaion. For improving the efficiency 24 bulk trucks are required	78 No.s of Bulk waste Trucks are available for Waste transportaion. For improving the efficiency 24 bulk trucks are required	IMC	Completed

(iii)	Waste Transfer points	There are total 10 Waste transfer Stations. Adequate. No Gap.	There are total 10 Waste transfer Stations.	IMC	Completed
5	Waste Treatment and Disposal				
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules)	313 No.s of Bulk Waste generator Identified by IMC and 684 onsite facilities for wet Waste processing are functional -No Gap	313 No.s of Bulk Waste generator Identified by IMC and 684 onsite facilities for wet Waste processing.	IMC	Completed
(ii)	Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wets waste.	7% of Wet waste is processed using biomethanation. A New Biomethanation plant of capacity 550TPD is under construction in Indore. 93%of wet waste is processed through mechanical compost plant- NO Gap	7% of Wet waste is processed using biomethanation. A New Biomethanation plant of capacity 550TPD is under construction in Indore. 93%of wet waste is processed through mechanical compost plant	IMC	<u>To upgradae the system a new Biomethanation plant of 550 TPD capacity is under construction</u>
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	There are 2 MRF facilities of 300 TPD and 200 TPD capacity in working by IMC. No Gap	There are 2 MRF facilities of 300 TPD and 200 TPD capacity in working by IMC.	IMC	Completed
(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	2No. of Sanitary Landfill are operational in IMC. No Gap	2No.s of Sanitary Landfill are operational in IMC.	IMC	Completed
(v)	Remediation of historic / legacy dumpsite	15 lac MT of legacy waste was processed through bio mining, bio remedition process was completed in 2018. No legacy waste. Hence No Gap.	No Legacy Waste	IMC	Completed
(vi)	Involvement of NGOs	Presently 04 NGOs are working with IMC for creating awareness. - No Gap	Presently 04 NGOs are working with IMC for creating awareness.	IMC	Completed
(vii)	EPR of Producers: Linkage with Producers / Brand Owners	Just Initiated- 100% Gap	Initiated	IMC	Initiated
(viii)	Authorisation of Waste Pickers	Yes	Yes	IMC	Available
(ix)	Preparation of own by-laws to comply with SWM Rules 2016	Yes	Yes	IMC	Available

(ii) Plastic waste Management					
(b) Identification of gaps and Action plan (Plastic Waste)					
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	Gap- Nil	100% door to door collection being done.	IMC	Completed
2	Facilitate organised collection of PW at Waste transfer point or Material Recovery Facility	Indore Municipal Corporation has 2 MRF Centres,10 Transfer points and 443 Registered Waste Pickers.-No Gap	Indore Municipal Corporation has 2 MRF Centres,10 Transfer points and 443 Registered Waste Pickers.	IMC	Completed
3	PW collection Centres	08 PROs are authorised by IMC. Initiated in 2020.	Plastic Waste Collection centres are set up by 08 PROs. Waste collection centre in all 19 Zones wil be set up by March-2022	IMC	Completed

4	Awareness and education programs implementation	Advertisements through Social Media, Newspapers, Radios and through slogans is done. 04 NGOs are working to create more & more awareness.	Advertisements through Social Media, Newspapers, Radios and through slogans is done.	IMC	On going
5	Access to Plastic Waste Disposal Facilities	Plastic Waste is being recycled to Diesel, Used in Road Making and Co-Processing in Cement Plants. - No Gap	Plastic Waste recycled to Diesel, Used in Road Making and Co-Processing in Cement Plants.	IMC	Completed

(iii) C & D Waste Management

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.	In Indore Municipal Corporation has established-05 separate collection point of C&D waste with 100 TPD treatment facility. No Gap	In Indore Municipal Corporation has established separate collection point of C&D waste with 100 TPD treatment facility.	IMC	Completed
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?	C&D Waste implemetation of Bye-Laws notified by IMC. Yes. No Gap.	C&D Waste implemetation of Bye-Laws notified by IMC.	IMC	Completed
3	C&D recycling Facility	IMC has established 100 TPD plant for C&D Waste.No Gap.	IMC has established 100 TPD plant for C&D Waste.	IMC	Completed
4	Usage of recycled C&D waste in non- structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	IMC has formed bylaws for recycling of C&D waste and has implemented them. IMC also proclaimed through advertisement on recycling of C&D Waste. No Gap.	IMC has formed bylaws for recycling of C&D waste and has implemented them. IMC also proclaimed through advertisement on recycling of C&D Waste.	IMC	Completed
5	ICE on C & D waste management	Through various Banners on streets and other media, IMC has created awareness among people regarding C&D Waste.No Gap.	Through various Banners on streets and other media, IMC has created awareness among people regarding C&D Waste.	IMC	Completed

Annexure-2

2.0 Indicative Gap Analysis and Action Plans for complying with Waste Management Rules					
NAGAR PARISHAD BETMA					
(i) Solid Waste Management					
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
1	Segregation				
(i)	Segregation of waste at source	Partially segregation source practiced by household and other generator. Gap-50%	To achieve 100% source segregation strong IEC required. NP Betma will achieve by Dec-2022	Nagar Parishad Betma	Dec-22
2	Sweeping				
(i)	Manual Sweeping	No Gap.	100% Manual Sweeping is done by the cleanliness workers of Nagar Parishad Betma.	Nagar Parishad Betma	Completed
(ii)	Mechanical Road Sweeping & Collection	Not Required Gap-Nil	Not Required.	Nagar Parishad Betma	NA
3	Waste Collection				
(i)	100% collection of solid waste	100% collection achieved-No Gap	100% waste collection is done by NP Betma on daily basis.	Nagar Parishad Betma	Completed
(ii)	Arrangement for door to door collection	All 15 wards are covered through partially segregated door to door collection. Gap-Nil	100% Door to Door Collection is required and covered all 15 Wards.	Nagar Parishad Betma	Dec-22
(iii)	Waste Collection trolleys with separate compartments	Need 01 more collection trolleys required. Gap-33%	2 Waste Collection trolleys are available and 1 are required.	Nagar Parishad Betma	Dec-22
(iv)	Mini Collection Trucks with separate compartments	Need 05 more mini collection truck required. Gap-60%	NP Betma 03 Mini collection trucks available and 5 mini collection trucks required for Complete operation.	Nagar Parishad Betma	Dec-22
(v)	Waste Deposition centres (for domestic hazardous wastes)	Gap-100%	Waste deposition center is not required. However the arrangement of separate bin is proposed.	Nagar Parishad Betma	Dec-22
4	Waste Transport				
(i)	Review existing infrastructure for waste Transport.	Not adequate, Gap-45%	01 Waste Collection trolleys and 05 mini collection trucks required.	Nagar Parishad Betma	Dec-22
(ii)	Bulk Waste Trucks	Not required. Gap-Nil	Bulk waste truck not required.	Nagar Parishad Betma	NA
(iii)	Waste Transfer points	Not required. Gap-Nil	Waste Transfer points not required.	Nagar Parishad Betma	NA
5	Waste Treatment and Disposal				
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules)	01 Bulk waste generator identified by ULB and composting is being done on site. Gap-Nil	Bulk waste generator to be identified.	Nagar Parishad Betma	NA
(ii)	Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wet waste.	02 More compost pits required. Gap-16%	There are 10 operational composting pits available & they need 02 more compost pits.	Nagar Parishad Betma	Dec-22
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	MRF Available, No Gap.	Dry waste MRF facility of adequate capacity proposed.	Nagar Parishad Betma	Completed

(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	No sanitary landfill available. Gap-100%	There is Requirement of 01 Sanitary landfill .	Nagar Parishad Betma	Mar-23
(v)	Remediation of historic / legacy dumpsite	Gap-100%	30 MT of legacy waste is lying at the dump site.	Nagar Parishad Betma	Dec-21
(vi)	Involvement of NGOs	Its small town, NGO not applicable.	NA	Nagar Parishad Betma	NA
(vii)	EPR of Producers: Linkage with Producers / Brand Owners	Its small town, EPR not applicable.	NA	Nagar Parishad Betma	NA
(viii)	Authorisation of Waste Pickers	Local body is collecting the waste door to door and transporting, hence not applicable.	NA	Nagar Parishad Betma	NA
(ix)	Preparation of own by-laws to comply with SWM Rules 2016	Yes	Yes	Nagar Parishad Betma	Completed

(ii) Plastic waste Management

(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% collection, Not Gap	100% door to door collection being done, however strong IEC plan proposed for 100% segregation.	Nagar Parishad Betma	Completed
2	Facilitate organised collection of PW at Waste transfer point or Material Recovery Facility	Yes MRF available, No Gap.	Programmes is being organized for collection of Plastic Waste at MRF.	Nagar Parishad Betma	Completed
3	PW collection Centres	Yes Available, Gap-Nil	01 Plastic waste collection centre.	Nagar Parishad Betma	Completed
4	Awareness and education programs implementation	Advertisements through Social Media, Newspapers, Radios and through slogans is done. Gap-nil, however it is continuous process.	Advertisements through Social Media, Newspapers, Radios and through slogans shall be done.	Nagar Parishad Betma	Routine Work
5	Access to Plastic Waste Disposal Facilities	Plastic Waste shall be disposed by MRF to registered plastic waste recyclers. Gap-100%	Acess to plastic waste disposal facility shall be provide	Nagar Parishad Betma	Mar-22

(iii) C & D Waste Management

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.	It's a small town. The By-laws made to dispose the C&D waste in low lying area. The quantity of C&D waste is very less, hence gap-Nil	NA	Nagar Parishad Betma	NA

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?	It's a small town. The By-laws made to dispose the C&D waste in low lying area. No bulk waste generator are there. C&D waste is very less, hence Gap-Nil	NA	Nagar Parishad Betma	NA
3	C&D recycling Facility	Not required, Gap-Nil	NA	Nagar Parishad Betma	NA
4	Usage of recycled C&D waste in non- structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	Not required, Gap-Nil	NA	Nagar Parishad Betma	NA
5	ICE on C & D waste management	Gap-Nil, It is a routine process.	It is routine process.	Nagar Parishad Betma	Routine work

Annexure-3

2.0 Indicative Gap Analysis and Action Plans for complying with Waste Management Rules					
Cantonment Board Mhow					
(i) Solid Waste Management					
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
1	Segregation				
(i)	Segregation of waste at source	Partially segregation source practiced by household and other generator. Gap-50%	To achieve 100% source segregation strong IEC required. CB Mhow will achieve by Dec-2022	Cantonment Board Mhow	Dec-22
2	Sweeping				
(i)	Manual Sweeping	Gap-Nil	100% Manual Sweeping is done by the cleanliness workers of Cantonment Board Mhow.	Cantonment Board Mhow	Completed
(ii)	Mechanical Road Sweeping & Collection	Not Required Gap-Nil	Not Required.	Cantonment Board Mhow	NA
3	Waste Collection				
(i)	100% collection of solid waste	100% collection achieved-Gap- Nil	100% waste collection is done by Cantonment Board Mhow	Cantonment Board Mhow	Completed
(ii)	Arrangement for door to door collection	All 08 wards are covered through segregated form door to door collection-Gap- Nil	100% Door to Door Collection is done and covered all 08 Wards.	Cantonment Board Mhow	Completed
(iii)	Waste Collection trolleys with separate compartments	All door to door collection trolleys have separate compartments for 06 type of waste segregation. Organic (wet) , inorganic (dry) , plastic, sanitary waste, domestic hazardous waste & E-waste.- Gap- Nil	08 Waste Collection trolleys are available.	Cantonment Board Mhow	Completed
(iv)	Mini Collection Trucks with separate compartments	All door to door collection Mini Trucks have separate compartments for 06 type of waste segregation. Organic (wet) , inorganic (dry) , plastic, sanitary waste, domestic hazardous waste & E-waste.- Gap- Nil	09 mini Collection trucks with separate compartments.	Cantonment Board Mhow	Completed
(v)	Waste Deposition centres (for domestic hazardous wastes)	Gap-100%	Waste deposition center is not required. However the arrangement of separate bin is proposed.	Cantonment Board Mhow	Dec-22
4	Waste Transport				
(i)	Review existing infrastructure for waste Transport.	Gap- Nil	The Existing Fleet is adequate.	Cantonment Board Mhow	Completed
(ii)	Bulk Waste Trucks	Not required. Gap- Nil	03 bulk waste truck available.	Cantonment Board Mhow	NA
(iii)	Waste Transfer points	Not required. Gap- Nil	Waste Transfer points not required.	Cantonment Board Mhow	NA
5	Waste Treatment and Disposal				

(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules)	21 bulk waste generators are identified for wet waste processing facility installation. Gap-Nil	21 bulk waste generators are identified for wet waste processing facility installation.	Cantonment Board Mhow	NA
(ii)	Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wets waste.	Adequate capacity composting pits are available. Gap-Nil	100% composting of wet waste is done.	Cantonment Board Mhow	NA
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	There are 03 different grades MRF machines available. Gap-Nil	03 nos of MRF facility is available.	Cantonment Board Mhow	NA
(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	No sanitary landfill available. Gap-100%	Construction of sanitary landfill is proposed.	Cantonment Board Mhow	Mar-23
(v)	Remediation of historic / legacy dumpsite	No Legacy waste is available at present. Gap-Nil	Complete remediation of legacy waste has been done.	Cantonment Board Mhow	NA
(vi)	Involvement of NGOs	Its small town, NGO not applicable.	NA	Cantonment Board Mhow	NA
(vii)	EPR of Producers: Linkage with Producers / Brand Owners	Its small town, EPR not applicable.	NA	Cantonment Board Mhow	NA
(viii)	Authorisation of Waste Pickers	Local body is collecting the waste door to door and transporting, hence not applicable.	NA	Cantonment Board Mhow	NA
(ix)	Preparation of own by-laws to comply with SWM Rules 2016	Yes	Yes	Cantonment Board Mhow	Completed

(ii) Plastic waste Management

(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% collection, Not Gap	100% door to door collection being done, however strong IEC plan proposed for 100% segregation.	Cantonment Board Mhow	Completed
2	Facilitate organised collection of PW at Waste transfer point or Material Recovery Facility	Yes MRF available, No Gap.	Programmes is being organized for collection of Plastic Waste at MRF.	Cantonment Board Mhow	Completed
3	PW collection Centres	Yes Available, Gap-Nil	01 Plastic waste collection centre.	Cantonment Board Mhow	Completed
4	Awareness and education programs implementation	Advertisements through Social Media, Newspapers, Radios and through slogans is done. Gap-nil, however it is continuous process.	Advertisements through Social Media, Newspapers, Radios and through slogans shall be done.	Cantonment Board Mhow	Routine Work
5	Access to Plastic Waste Disposal Facilities	Plastic Waste shall be disposed by MRF to registered plastic waste recyclers. Gap-100%	Acess to plastic waste disposal facility shall be provide	Cantonment Board Mhow	Mar-22

(iii) C & D Waste Management

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.	It's a small town. The By-laws made to dispose the C&D waste in low lying area. The quantity of C&D waste is very	NA	Cantonment Board Mhow	NA
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?	It's a small town. The By-laws made to dispose the C&D waste in low lying area. No bulk waste generator are there. C&D waste is very less, hence Gap-Nil	NA	Cantonment Board Mhow	NA
3	C&D recycling Facility	Not required, Gap-Nil	NA	Cantonment Board Mhow	NA
4	Usage of recycled C&D waste in non- structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	Not required, Gap-Nil	NA	Cantonment Board Mhow	NA
5	ICE on C & D waste management	Gap-Nil, It is a routine process.	It is routine process.	Cantonment Board Mhow	Routine Work

Annexure-4

2.0 Indicative Gap Analysis and Action Plans for complying with Waste Management Rules					
Nagar Parishad Depalpur					
(i) Solid Waste Management					
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
1	Segregation				
(i)	Segregation of waste at source	Partially segregation source practiced by households and other generator. Gap-50%	To achieve 100% source segregation strong IEC required. NP Depalpur will achieve by Dec-2021	Nagar Parishad Depalpur	Dec-21
2	Sweeping				
(i)	Manual Sweeping	Gap-Nil	100% Manual Sweeping is done by the cleanliness workers of Nagar Parishad Depalpur.	Nagar Parishad Depalpur	Completed
(ii)	Mechanical Road Sweeping & Collection	Not Required Gap-Nil	Not Required.	Nagar Parishad Depalpur	NA
3	Waste Collection				
(i)	100% collection of solid waste	100% collection achieved-No Gap	100% waste collection is done by Nagar Parishad Depalpur.	Nagar Parishad Depalpur	Completed
(ii)	Arrangement for door to door collection	100% Door to Door Collection is done and covered all 15 Wards. No Gap.	100% Door to Door Collection is done and covered all 15 Wards.	Nagar Parishad Depalpur	Completed
(iii)	Waste Collection trolleys with separate compartments	Adequate. No Gap.	15 Waste Collection trollys are available.	Nagar Parishad Depalpur	NA
(iv)	Mini Collection Trucks with separate compartments	Adequate. No Gap.	05 mini Collection trucks with separate compartments.	Nagar Parishad Depalpur	NA
(v)	Waste Deposition centres (for domestic hazardous wastes)	Gap-100%	Waste deposition center is not required. However the arrangement of separate bin is	Nagar Parishad Depalpur	Dec-22
4	Waste Transport				
(i)	Review existing infrastructure for waste Transport.	No Gap.	The Existing Fleet is adequate.	Nagar Parishad Depalpur	NA
(ii)	Bulk Waste Trucks	Not required. No Gap.	Bulk waste truck no required.	Nagar Parishad Depalpur	NA
(iii)	Waste Transfer points	Not required. No Gap.	Waste Transfer points not required.	Nagar Parishad Depalpur	NA
5	Waste Treatment and Disposal				
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules)	NA	NA	Nagar Parishad Depalpur	NA
(ii)	Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wet waste.	04 more required. Gap-29%	14 composting pits are required & 10 pits are available.	Nagar Parishad Depalpur	Dec-22
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	No facility available. Gap-100%	Dry waste MRF facility of adequate capacity proposed.	Nagar Parishad Depalpur	Dec-22

(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	No sanitary landfill available. Gap-100%	Construction of sanitary landfill is proposed.	Nagar Parishad Depalpur	Mar-23
(v)	Remediation of historic / legacy dumpsite	Bio remediation of legacy waste is done. Gap-Nil	Bio remediation of legacy waste to be done. There is 01 old dump site having 4.5 MT of waste. Bio Remediation of Legacy Waste is Completed.	Nagar Parishad Depalpur	Completed
(vi)	Involvement of NGOs	Its small town, NGO not applicable.	NA	Nagar Parishad Depalpur	NA
(vii)	EPR of Producers: Linkage with Producers / Brand Owners	Its small town, EPR not applicable.	NA	Nagar Parishad Depalpur	NA
(viii)	Authorisation of Waste Pickers	Local body is collecting the waste door to door and transporting, hence not applicable.	NA	Nagar Parishad Depalpur	NA
(ix)	Preparation of own by-laws to comply with SWM Rules 2016	Yes	Yes	Nagar Parishad Depalpur	Completed

(ii) Plastic waste Management					
(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% collection, Not Gap	100% door to door collection being done, however strong IEC plan proposed for 100% segregation.	Nagar Parishad Depalpur	Completed
2	Facilitate organised collection of PW at Waste transfer point or Material Recovery Facility	Gap-100%	Nagar Parishad has linkage with 04 PW recyclers. MRF to be proposed.	Nagar Parishad Depalpur	Mar-23
3	PW collection Centres	It's a small town, hence separate PW collection not required.	NA	Nagar Parishad Depalpur	NA
4	Awareness and education programs implementation	Advertisements through Social Media, Newspapers, Radios and through slogans is done. Gap-nil, however it is continuous process.	Advertisements through Social Media, Newspapers, Radios and through slogans shall be done.	Nagar Parishad Depalpur	Routine work
5	Access to Plastic Waste Disposal Facilities	Plastic Waste shall be disposed by MRF to registered plastic waste recyclers. Gap-100%	Access to plastic waste disposal facility shall be provide	Nagar Parishad Depalpur	Mar-22

(iii) C & D Waste Management					
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.	It's a small town. The By-laws made to dispose the C&D waste in low lying area. The quantity of C&D waste is very less, hence gap-Nil	Separate collection of C&D waste, establishment of C&D waste collection & recycling facility is Available At ULB.	Nagar Parishad Depalpur	Completed

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?	It's a small town. The By-laws made to dispose the C&D waste in low lying area. No bulk waste generator are there. C&D waste is very less, hence Gap-Nil	Notification of C&D waste is publish in newspaper	Nagar Parishad Depalpur	Completed
3	C&D recycling Facility	Gap-Nil	C&D waste recycling facility is establish by aggrement with paverblock producer .	Nagar Parishad Depalpur	Completed
4	Usage of recycled C&D waste in non- structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	Gap-Nil	NA	Nagar Parishad Depalpur	NA
5	ICE on C & D waste management	Gap-Nil, It is a routine process.	It is routine process.	Nagar Parishad Depalpur	Routine Work

Annexure-5

2.0 Indicative Gap Analysis and Action Plans for complying with Waste Management Rules					
Nagar Parishad Sanwer					
(i) Solid Waste Management					
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
1	Segregation				
(i)	Segregation of waste at source	Partially segregation source practiced by households and other generator. Gap-50%	To achive 100% source segregation strong IEC required. NP Sanwer will achieve by Dec-2022	Nagar Parishad Sanwer	Dec-22
2	Sweeping				
(i)	Manual Sweeping	Gap-Nil	100% Manual Sweeping is done by the cleanliness workers of Nagar Parishad Sanwer.	Nagar Parishad Sanwer	Completed
(ii)	Mechanical Road Sweeping & Collection	Not required,Gap-Nil	Not required	Nagar Parishad Sanwer	NA
3	Waste Collection				
(i)	100% collection of solid waste	100% collection achieved-No Gap	100% Door to Door Collection is done and covered all 15 Wards.	Nagar Parishad Sanwer	Completed
(ii)	Arrangement for door to door collection	All 15 wards are covered through partially segregated door to door collection. Gap-Nil	100% Door to Door Collection is done using 04 mini Collection trucks.	Nagar Parishad Sanwer	Completed
(iii)	Waste Collection trolleys with separate compartments	Adequate. No - Gap.	15 Waste Collection trollys are available.	Nagar Parishad Sanwer	NA
(iv)	Mini Collection Trucks with separate compartments	Adequate. No - Gap.	04 mini Collection trucks with separate compartments.	Nagar Parishad Sanwer	NA
(v)	Waste Deposition centres (for domestic hazardous wastes)	Gap-100%	Waste deposition center is not required. However the arrangment of seprate bin is proposed.	Nagar Parishad Sanwer	Dec-22
4	Waste Transport				
(i)	Review existing infrastructure for waste Transport.	No Gap	The Exisiting Fleet is adequate.	Nagar Parishad Sanwer	NA
(ii)	Bulk Waste Trucks	Not Required, No Gap	Bulk waste truck no required.	Nagar Parishad Sanwer	NA
(iii)	Waste Transfer points	Not Required, No Gap	Waste Transfer points not required.	Nagar Parishad Sanwer	NA
5	Waste Treatment and Disposal				
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules)	NA	NA	Nagar Parishad Sanwer	NA
(ii)	Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wets waste.	10% of the wet waste collected is processed in 04 composting pits available. Gap in Processing-90%.	10% of the wet waste collected is processed in 04 composting pits available.	Nagar Parishad Sanwer	Dec-22

(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	No facility available. Gap-100%	Dry waste MRF facility of adequate capacity proposed.	Nagar Parishad Sanwer	Dec-22
(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	No sanitary landfill available. Gap-100%	Construction of sanitary landfill is proposed.	Nagar Parishad Sanwer	Mar-23
(v)	Remediation of historic / legacy dumpsite	Bio remediation of legacy waste is not done. Gap-100%	Bio remediation of legacy waste is required.	Nagar Parishad Sanwer	Dec-21
(vi)	Involvement of NGOs	Its small town, NGO not applicable.	NA	Nagar Parishad Sanwer	NA
(vii)	EPR of Producers: Linkage with Producers / Brand Owners	Its small town, EPR not applicable.	NA	Nagar Parishad Sanwer	NA
(viii)	Authorisation of Waste Pickers	Local body is collecting the waste door to door and transporting, hence not applicable.	NA	Nagar Parishad Sanwer	NA
(ix)	Preparation of own by-laws to comply with SWM Rules 2016	Yes	Yes	Nagar Parishad Sanwer	Completed

(ii) Plastic waste Management					
(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% collection, Not Gap	100% door to door collection being done, however strong IEC plan proposed for 100% segregation.	Nagar Parishad Sanwer	Completed
2	Facilitate organised collection of PW at Waste transfer point or Material Recovery Facility	Gap-100%	Programmes is being organized for collection of Plastic Waste at MRF.	Nagar Parishad Sanwer	Mar-23
3	PW collection Centres	It's a small town, hence separate PW collection not required.	NA	Nagar Parishad Sanwer	NA
4	Awareness and education programs implementation	Advertisements through Social Media, Newspapers, Radios and through slogans is done. Gap-nil, however it is continuous process.	Advertisements through Social Media, Newspapers, Radios and through slogans shall be done.	Nagar Parishad Sanwer	Routine work
5	Access to Plastic Waste Disposal Facilities	Plastic Waste shall be disposed by MRF to registered plastic waste recyclers. Gap-100%	Acess to plastic waste disposal facility shall be provide	Nagar Parishad Sanwer	Mar-22

(iii) C & D Waste Management					
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.	It's a small town. The By-laws made to dispose the C&D waste in low lying area. The quantity of C&D waste is very less, hence gap-Nil	NA	Nagar Parishad Sanwer	NA

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?	It's a small town. The By-laws made to dispose the C&D waste in low lying area. No bulk waste generator are there. C&D waste is very less, hence Gap-Nil	NA	Nagar Parishad Sanwer	NA
3	C&D recycling Facility	Not required, Gap-Nil	NA	Nagar Parishad Sanwer	NA
4	Usage of recycled C&D waste in non- structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	Not required, Gap-Nil	NA	Nagar Parishad Sanwer	NA
5	ICE on C & D waste management	Gap-Nil, It is a routine process.	It is routine process.	Nagar Parishad Sanwer	Routine Work

Annexure-6

2.0 Indicative Gap Analysis and Action Plans for complying with Waste Management Rules

Nagar Parishad Rau

(i) Solid Waste Management

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
1	Segregation				
(i)	Segregation of waste at source	Partially segregation source practiced by households and other generator. Gap-50%	To achieve 100% source segregation strong IEC required. NP Rau will achieve by Dec-2022	Nagar Parishad Rau	Dec-22
2	Sweeping				
(i)	Manual Sweeping	Gap-Nil	100% Manual Sweeping is done by the cleanliness workers of Nagar Parishad Rau.	Nagar Parishad Rau	Completed
(ii)	Mechanical Road Sweeping & Collection	Not required, Gap-Nil	Not required	Nagar Parishad Rau	NA
3	Waste Collection				
(i)	100% collection of solid waste	100% collection achieved-No Gap	100% Door to Door Collection is done and covered all 15 Wards.	Nagar Parishad Rau	Completed
(ii)	Arrangement for door to door collection	All wards covered by door to door collection. Gap-Nil	Door to Door Collection is done covering all 15 Wards. 03 mini trucks are required to achieve 100% collection	Nagar Parishad Rau	Completed
(iii)	Waste Collection trolleys with separate compartments	01 Waste Collection trolley is available. Gap 02 more are required. Gap-66%	01 Waste Collection trolleys are available and 02 more are required.	Nagar Parishad Rau	Dec-22
(iv)	Mini Collection Trucks with separate compartments	Not Required, Gap-Nil	17 mini Collection trucks available.	Nagar Parishad Rau	NA
(v)	Waste Deposition centres (for domestic hazardous wastes)	Gap-100%	Waste deposition center is not required. However the arrangement of separate bin is proposed.	Nagar Parishad Rau	Dec-22
4	Waste Transport				
(i)	Review existing infrastructure for waste Transport.	Not Adequate, 02 more are required. Gap-66%	01 Waste Collection trolleys are available and 02 more are required.	Nagar Parishad Rau	Dec-22
(ii)	Bulk Waste Trucks	Not Required, No Gap	Bulk waste truck not required.	Nagar Parishad Rau	NA
(iii)	Waste Transfer points	Not Required, No Gap	Waste Transfer points not required.	Nagar Parishad Rau	NA
5	Waste Treatment and Disposal				
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules)	01 Bulk waste generator has been identified. No Gap.	01 Bulk waste generator has been identified. Action Plan-NA.	Nagar Parishad Rau	NA

(ii)	Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wets waste.	40% of the wet waste collected is processed in 08 available composting pits. 12 more composting pits are required. Gap-60%	40% of the wet waste collected is processed in 08 available composting pits. 12 more composting pits are required.	Nagar Parishad Rau	Dec-22
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	No facility available. Gap-100%	Dry waste MRF facility of adequate capacity proposed.	Nagar Parishad Rau	Mar-22
(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	No sanitary landfill available. Gap-100%	Construction of sanitary landfill to be required.	Nagar Parishad Rau	Mar-23
(v)	Remediation of historic / legacy dumpsite	Bio remediation of legacy waste is not done. Gap-100%	Bio remediation of legacy waste is required.	Nagar Parishad Rau	Dec-21
(vi)	Involvement of NGOs	Its small town, NGO not applicable.	NA	Nagar Parishad Rau	NA
(vii)	EPR of Producers: Linkage with Producers / Brand Owners	Its small town, EPR not applicable.	NA	Nagar Parishad Rau	NA
(viii)	Authorisation of Waste Pickers	Local body is collecting the waste door to door and transporting, hence not applicable.	NA	Nagar Parishad Rau	NA
(ix)	Preparation of own by-laws to comply with SWM Rules 2016	Yes	Yes	Nagar Parishad Rau	Completed

(ii) Plastic waste Management					
(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% collection, Not Gap	100% door to door collection being done, however strong IEC plan proposed for 100% segregation.	Nagar Parishad Rau	Completed
2	Facilitate organised collection of PW at Waste transfer point or Material Recovery Facility	Gap-100%	Programmes is being organized for collection of Plastic Waste at MRF.	Nagar Parishad Rau	Mar-23
3	PW collection Centres	It's a small town, hence separate PW collection not required.	NA	Nagar Parishad Rau	NA
4	Awareness and education programs implementation	Advertisements through Social Media, Newspapers, Radios and through slogans is done. Gap-nil, however it is continuous process.	Advertisements through Social Media, Newspapers, Radios and through slogans shall be done.	Nagar Parishad Rau	Routine work
5	Access to Plastic Waste Disposal Facilities	Plastic Waste shall be disposed by MRF to registered plastic waste recyclers. Gap-100%	Acess to plastic waste disposal facility shall be provide	Nagar Parishad Rau	Mar-22

(iii) C & D Waste Management					
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	It's a small town. The By-laws made to dispose the C&D	NA	Nagar Parishad Rau	NA

	waste deposition point.	waste in low lying area. The quantity of C&D waste is very less, hence gap-Nil			
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?	It's a small town. The By-laws made to dispose the C&D waste in low lying area. No bulk waste generator are there. C&D waste is very less, hence Gap-Nil	NA	Nagar Parishad Rau	NA
3	C&D recycling Facility	Not required, Gap-Nil	NA	Nagar Parishad Rau	NA
4	Usage of recycled C&D waste in non- structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	Not required, Gap-Nil	NA	Nagar Parishad Rau	NA
5	ICE on C & D waste management	Gap-Nil, It is a routine process.	It is routine process.	Nagar Parishad Rau	Routine Work

Annexure-7

2.0 Indicative Gap Analysis and Action Plans for complying with Waste Management Rules					
Nagar Parishad Manpur					
(i) Solid Waste Management					
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
1	Segregation				
(i)	Segregation of waste at source	Partially segregation source practiced by households and other generator. Gap-50%	To achieve 100% source segregation strong IEC required. NP Manpur will achieve by Dec-2022	Nagar Parishad Manpur	Dec-22
2	Sweeping				
(i)	Manual Sweeping	Gap-Nil	100% Manual Sweeping is done by the cleanliness workers of Nagar Parishad Manpur.	Nagar Parishad Manpur	Completed
(ii)	Mechanical Road Sweeping & Collection	Not required, Gap-Nil	Not required	Nagar Parishad Manpur	NA
3	Waste Collection				
(i)	100% collection of solid waste	100% collection achieved-No Gap	100% waste collection is done by NP Manpur.	Nagar Parishad Manpur	Completed
(ii)	Arrangement for door to door collection	All 15 wards are covered through partially segregated door to door collection. Gap-Nil	100% Door to Door Collection is done and covered all 15 Wards.	Nagar Parishad Manpur	Completed
(iii)	Waste Collection trolleys with separate compartments	Adequate. No Gap.	15 Waste Collection trollys are available.	Nagar Parishad Manpur	Completed
(iv)	Mini Collection Trucks with separate compartments	Adequate. No Gap	04 mini Collection trucks with separate compartments.	Nagar Parishad Manpur	Completed
(v)	Waste Deposition centres (for domestic hazardous wastes)	Gap-100%	Waste deposition center is not required. However the arrangement of separate bin is proposed.	Nagar Parishad Manpur	Dec-22
4	Waste Transport				
(i)	Review existing infrastructure for waste Transport.	No Gap	The Existing Fleet is adequate.	Nagar Parishad Manpur	Completed
(ii)	Bulk Waste Trucks	Not Required, No Gap	Bulk waste truck not required.	Nagar Parishad Manpur	NA
(iii)	Waste Transfer points	Not Required, No Gap	Waste Transfer points not required.	Nagar Parishad Manpur	NA
5	Waste Treatment and Disposal				
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules)	NA	NA	Nagar Parishad Manpur	NA
(ii)	Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wet waste.	09 more required. Gap-75%	12 composting pits are required & 03 pits are available.	Nagar Parishad Manpur	Dec-22

(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	No facility available. Gap-100%	Dry waste MRF facility of adequate capacity proposed.	Nagar Parishad Manpur	Dec-22
(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	No sanitary landfill available. Gap-100%	Construction of sanitary landfill is proposed.	Nagar Parishad Manpur	Mar-23
(v)	Remediation of historic / legacy dumpsite	Bio remediation of legacy waste is not done. Gap-100%	Bio remediation of legacy waste is required.	Nagar Parishad Manpur	Dec-21
(vi)	Involvement of NGOs	Its small town, NGO not applicable.	NA	Nagar Parishad Manpur	NA
(vii)	EPR of Producers: Linkage with Producers / Brand Owners	Its small town, EPR not applicable.	NA	Nagar Parishad Manpur	NA
(viii)	Authorisation of Waste Pickers	Local body is collecting the waste door to door and transporting, hence not applicable.	NA	Nagar Parishad Manpur	NA
(ix)	Preparation of own by-laws to comply with SWM Rules 2016	Yes	Yes	Nagar Parishad Manpur	Completed

(ii) Plastic waste Management					
(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% collection, Not Gap	100% door to door collection being done, however strong IEC plan proposed for 100% segregation.	Nagar Parishad Manpur	Completed
2	Facilitate organised collection of PW at Waste transfer point or Material Recovery Facility	Gap-100%	Programmes is being organized for collection of Plastic Waste at MRF.	Nagar Parishad Manpur	Mar-23
3	PW collection Centres	It's a small town, hence separate PW collection not required.	NA	Nagar Parishad Manpur	NA
4	Awareness and education programs implementation	Advertisements through Social Media, Newspapers, Radios and through slogans is done. Gap-nil, however it is continuous process.	Advertisements through Social Media, Newspapers, Radios and through slogans shall be done.	Nagar Parishad Manpur	Routine work
5	Access to Plastic Waste Disposal Facilities	Plastic Waste shall be disposed by MRF to registered plastic waste recyclers. Gap-100%	Access to plastic waste disposal facility shall be provide	Nagar Parishad Manpur	Mar-22

(iii) C & D Waste Management					
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.	It's a small town. The By-laws made to dispose the C&D waste in low lying area. The quantity of C&D waste is very less, hence gap-Nil	NA	Nagar Parishad Manpur	NA

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?	It's a small town. The By-laws made to dispose the C&D waste in low lying area. No bulk waste generator are there. C&D waste is very less, hence Gap-Nil	NA	Nagar Parishad Manpur	NA
3	C&D recycling Facility	Not required, Gap-Nil	NA	Nagar Parishad Manpur	NA
4	Usage of recycled C&D waste in non- structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	Not required, Gap-Nil	NA	Nagar Parishad Manpur	NA
5	ICE on C & D waste management	Gap-Nil, It is a routine process.	It is routine process.	Nagar Parishad Manpur	Routine Work

Annexure-8

2.0 Indicative Gap Analysis and Action Plans for complying with Waste Management Rules					
Nagar Parishad Hatod					
(i) Solid Waste Management					
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
1	Segregation				
(i)	Segregation of waste at source	Partially segregation source practiced by households and other generator. Gap-50%	To achieve 100% source segregation strong IEC required. NP Hatod will achieve by Dec-2022	Nagar Parishad Hatod	Dec-22
2	Sweeping				
(i)	Manual Sweeping	Gap-Nil	100% Manual Sweeping is done by the cleanliness workers of Nagar Parishad Hatod.	Nagar Parishad Hatod	Completed
(ii)	Mechanical Road Sweeping & Collection	Not required, Gap-Nil	Not required	Nagar Parishad Hatod	NA
3	Waste Collection				
(i)	100% collection of solid waste	100% collection achieved-No Gap	100% waste collection is done by NP Hatod.	Nagar Parishad Hatod	Completed
(ii)	Arrangement for door to door collection	All 15 wards are covered through partially segregated door to door collection. Gap-Nil	100% Door to Door Collection is done and covered all 15 Wards.	Nagar Parishad Hatod	Completed
(iii)	Waste Collection trolleys with separate compartments	Need 01 more collection trolleys required. Gap-50%	01 Waste Collection trolleys are available and 01 more required.	Nagar Parishad Hatod	Dec-22
(iv)	Mini Collection Trucks with separate compartments	Need 02 more mini collection trucks required. Gap-50%	02 mini Collection trucks with separate compartments available and 02 more required.	Nagar Parishad Hatod	Dec-22
(v)	Waste Deposition centres (for domestic hazardous wastes)	Gap-100%	Waste deposition center is not required. However the arrangement of seprate bin is proposed.	Nagar Parishad Hatod	Dec-22
4	Waste Transport				
(i)	Review existing infrastructure for waste Transport.	Not Adequate. Gap-50%	01 waste collection trolley required and 02 mini collection truck required.	Nagar Parishad Hatod	Dec-22
(ii)	Bulk Waste Trucks	Not Required, No Gap	Bulk waste truck no required.	Nagar Parishad Hatod	NA
(iii)	Waste Transfer points	Not Required, No Gap	Waste Transfer points not required.	Nagar Parishad Hatod	NA
5	Waste Treatment and Disposal				
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules)	NA	NA	Nagar Parishad Hatod	NA
(ii)	Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wets waste.	04 more required. Gap-40%	04 composting pits are required & 06 pits are available.	Nagar Parishad Hatod	Dec-22
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	No facility available. Gap-100%	Dry waste MRF facility of adequate capacity proposed.	Nagar Parishad Hatod	Dec-22

(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	No sanitary landfill available. Gap-100%	Constrction of sanitary landfill is proposed.	Nagar Parishad Hatod	Mar-23
(v)	Remediation of historic / legacy dumpsite	Bio remediation of legacy waste is not done. Gap-100%	Bio remediation of legacy waste is required.	Nagar Parishad Hatod	Dec-21
(vi)	Involvement of NGOs	Its small town, NGO not applicable.	NA	Nagar Parishad Hatod	NA
(vii)	EPR of Producers: Linkage with Producers / Brand Owners	Its small town, EPR not applicable.	NA	Nagar Parishad Hatod	NA
(viii)	Authorisation of Waste Pickers	Local body is collecting the waste door to door and transporting, hence not	NA	Nagar Parishad Hatod	NA
(ix)	Preparation of own by-laws to comply with SWM Rules 2016	Yes	Yes	Nagar Parishad Hatod	Completed

(ii) Plastic waste Management

(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% collection, Not Gap	100% door to door collection being done, however strong IEC plan proposed for 100% segregation.	Nagar Parishad Hatod	Completed
2	Facilitate organised collection of PW at Waste transfer point or Material Recovery Facility	Gap-100%	Programmes is being organized for collection of Plastic Waste at MRF.	Nagar Parishad Hatod	Mar-23
3	PW collection Centres	It's a small town, hence separate PW collection not required.	NA	Nagar Parishad Hatod	NA
4	Awareness and education programs implementation	Advertisements through Social Media, Newspapers, Radios and through slogans is done. Gap-nil, however it is continuous process.	Advertisements through Social Media, Newspapers, Radios and through slogans shall be done.	Nagar Parishad Hatod	Routine work
5	Access to Plastic Waste Disposal Facilities	Plastic Waste shall be disposed by MRF to registered plastic waste recyclers. Gap-100%	Acess to plastic waste disposal facility shall be provide	Nagar Parishad Hatod	Mar-22

(iii) C & D Waste Management

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.	It's a small town. The By-laws made to dispose the C&D waste in low lying area. The quantity of C&D waste is very	NA	Nagar Parishad Hatod	NA

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?	It's a small town. The By-laws made to dispose the C&D waste in low lying area. No bulk waste generator are there. C&D waste is very less, hence Gap-Nil	NA	Nagar Parishad Hatod	NA
3	C&D recycling Facility	Not required, Gap-Nil	NA	Nagar Parishad Hatod	NA
4	Usage of recycled C&D waste in non- structural concrete, paving blocks, lower layers of road	Not required, Gap-Nil	NA	Nagar Parishad Hatod	NA
5	ICE on C & D waste management	Gap-Nil, It is a routine process.	It is routine process.	Nagar Parishad Hatod	Routine Work

Annexure-9

2.0 Indicative Gap Analysis and Action Plans for complying with Waste Management Rules					
Nagar Parishad Mhowgao					
(i) Solid Waste Management					
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
1	Segregation				
(i)	Segregation of waste at source	Partially segregation source practiced by households and other generator. Gap-50%	To achive 100% source segregation strong IEC required. NP Mhowgao will achive by Dec-2022	Nagar Parishad Mhowgao	Dec-22
2	Sweeping				
(i)	Manual Sweeping	No Gap	100% Manual Sweeping is done by the cleanliness workers of Nagar Parishad Mhowgao.	Nagar Parishad Mhowgao	Completed
(ii)	Mechanical Road Sweeping & Collection	Not required,Gap-Nil	Not required	Nagar Parishad Mhowgao	NA
3	Waste Collection				
(i)	100% collection of solid waste	100% collection achieved-No Gap	100% waste collection is done by NP Mhowgao.	Nagar Parishad Mhowgao	Completed
(ii)	Arrangement for door to door collection	All 15 wards are covered through partially segregated door to door collection. Gap-Nil	100% Door to Door Collection is done and covered all 15 Wards.	Nagar Parishad Mhowgao	Completed
(iii)	Waste Collection trolleys with separate compartments	01more collection trolleys required. Gap-50%	01 Waste Collection trolleys are available and 01 more required.	Nagar Parishad Mhowgao	Dec-22
(iv)	Mini Collection Trucks with separate compartments	NO Gap	07 mini Collection trucks with separate compartments available and no more required.	Nagar Parishad Mhowgao	NA
(v)	Waste Deposition centres (for domestic hazardous wastes)	Gap-100%	Waste deposition center is not required. However the arrangment of seprate bin is proposed.	Nagar Parishad Mhowgao	NA
4	Waste Transport				
(i)	Review existing infrastructure for waste Transport.	Not Adequate. 01 more collection trolleys required. Gap-50%	01 Waste Collection trolleys are available and 01 more required.	Nagar Parishad Mhowgao	Dec-22
(ii)	Bulk Waste Trucks	Not required. No Gap.	Bulk waste truck no required.	Nagar Parishad Mhowgao	NA
(iii)	Waste Transfer points	Not required. No Gap.	Waste Transfer points not required.	Nagar Parishad Mhowgao	NA
5	Waste Treatment and Disposal				
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules)	NA	NA	Nagar Parishad Mhowgao	NA
(ii)	Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wets waste.	04 more required. Gap-33%	12 composting pits are required & 08 pits are available.	Nagar Parishad Mhowgao	Dec-22
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	No facility available. Gap-100%	Dry waste MRF facility of adequate capacity proposed.	Nagar Parishad Mhowgao	Dec-22
(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	No sanitary landfill available. Gap-100%	Construction of sanitary landfill is proposed.	Nagar Parishad Mhowgao	Mar-23

(v)	Remediation of historic / legacy dumpsite	Bio remediation of legacy waste is not done. Gap-100%	Bio remediation of legacy waste is required.	Nagar Parishad Mhowgao	Dec-21
(vi)	Involvement of NGOs	Its small town, NGO not applicable.	NA	Nagar Parishad Mhowgao	NA
(vii)	EPR of Producers: Linkage with Producers / Brand Owners	Its small town, EPR not applicable.	NA	Nagar Parishad Mhowgao	NA
(viii)	Authorisation of Waste Pickers	Local body is collecting the waste door to door and transporting, hence not applicable.	NA	Nagar Parishad Mhowgao	NA
(ix)	Preparation of own by-laws to comply with SWM Rules 2016	Yes	Yes	Nagar Parishad Mhowgao	Completed

(ii) Plastic waste Management

(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% collection, Not Gap	100% door to door collection being done, however strong IEC plan proposed for 100% segregation.	Nagar Parishad Mhowgao	Completed
2	Facilitate organised collection of PW at Waste transfer point or Material Recovery Facility	Gap-100%	Programmes is being organized for collection of Plastic Waste at MRF.	Nagar Parishad Mhowgao	Mar-23
3	PW collection Centres	It's a small town, hence separate PW collection not required.	NA	Nagar Parishad Mhowgao	NA
4	Awareness and education programs implementation	Advertisements through Social Media, Newspapers, Radios and through slogans is done. Gap-nil, however it is continuous process.	Advertisements through Social Media, Newspapers, Radios and through slogans shall be done.	Nagar Parishad Mhowgao	Routine work
5	Access to Plastic Waste Disposal Facilities	Plastic Waste shall be disposed by MRF to registered plastic waste recyclers. Gap-100%	Access to plastic waste disposal facility shall be provide	Nagar Parishad Mhowgao	Mar-22

(iii) C & D Waste Management

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.	It's a small town. The By-laws made to dispose the C&D waste in low lying area. The quantity of C&D waste is very	NA	Nagar Parishad Mhowgao	NA
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	It's a small town. The By-laws made to dispose the C&D waste in low lying area. No bulk waste generator are there. C&D waste is very less, hence Gap-Nil	NA	Nagar Parishad Mhowgao	NA

3	C&D recycling Facility	Not required, Gap-Nil	NA	Nagar Parishad Mhowgao	NA
4	Usage of recycled C&D waste in non- structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	Not required, Gap-Nil	NA	Nagar Parishad Mhowgao	NA
5	ICE on C & D waste management	Gap-Nil, It is a routine process.	It is routine process.	Nagar Parishad Mhowgao	Routine Work

Annexure-10

2.0 Indicative Gap Analysis and Action Plans for complying with Waste Management Rules					
Nagar Parishad Gautampura					
(i) Solid Waste Management					
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
1	Segregation				
(i)	Segregation of waste at source	Partially segregation source practiced by households and other generator. Gap-50%	To achive 100% source segregation strong IEC required. NP Gautampura will achive by Dec-2022	Nagar Parishad Gautampura	Dec-22
2	Sweeping				
(i)	Manual Sweeping	Gap-Nil	100% Manual Sweeping is done by the cleanliness workers of Nagar Parishad Gautampura.	Nagar Parishad Gautampura	Completed
(ii)	Mechanical Road Sweeping & Collection	Not required, Gap-Nil	Not required	Nagar Parishad Gautampura	NA
3	Waste Collection				
(i)	100% collection of solid waste	100% collection achieved-No Gap	100% waste collection is done by NP Gautampura.	Nagar Parishad Gautampura	Completed
(ii)	Arrangement for door to door collection	All 15 wards are covered through partially segregated door to door collection. Gap-Nil	100% Door to Door Collection is done and covered all 15 Wards.	Nagar Parishad Gautampura	Completed
(iii)	Waste Collection trolleys with separate compartments	Need 02 more collection trolleys required. Gap-50%	01 Waste Collection trolleys are available and 01 more required.	Nagar Parishad Gautampura	Dec-22
(iv)	Mini Collection Trucks with separate compartments	No Gap	04 mini Collection trucks with separate compartments required and available.	Nagar Parishad Gautampura	NA
(v)	Waste Deposition centres (for domestic hazardous wastes)	Gap-100%	Waste deposition center is not required. However the arrangment of seprate bin is proposed.	Nagar Parishad Gautampura	NA
4	Waste Transport				
(i)	Review existing infrastructure for waste Transport.	Not Adequate. Need 02 more collection trolleys required. Gap-50%	01 Waste Collection trolleys are available and 01 more required.	Nagar Parishad Gautampura	Dec-22
(ii)	Bulk Waste Trucks	Not required. No Gap.	Bulk waste truck no required.	Nagar Parishad Gautampura	NA
(iii)	Waste Transfer points	Not required. No Gap.	Waste Transfer points not required.	Nagar Parishad Gautampura	NA
5	Waste Treatment and Disposal				
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules)	NA	NA	Nagar Parishad Gautampura	NA
(ii)	Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wets waste.	(04 more required for future). Gap-33%.	08 composting pits are available & 4 pits are required.	Nagar Parishad Gautampura	Dec-22
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	No facility available. Gap-100%	Dry waste MRF facility of adequate capacity proposed.	Nagar Parishad Gautampura	Dec-22

(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	No sanitary landfill available. Gap-100%	Constrction of sanitary landfill is proposed.	Nagar Parishad Gautampura	Mar-23
(v)	Remediation of historic / legacy dumpsite	Bio remediation of legacy waste is not done. Gap-100%	Bio remediation of legacy waste is required.	Nagar Parishad Gautampura	Dec-21
(vi)	Involvement of NGOs	Its small town, NGO not applicable.	NA	Nagar Parishad Gautampura	NA
(vii)	EPR of Producers: Linkage with Producers / Brand Owners	Its small town, EPR not applicable.	NA	Nagar Parishad Gautampura	NA
(viii)	Authorisation of Waste Pickers	Local body is collecting the waste door to door and transporting, hence not applicable.	NA	Nagar Parishad Gautampura	NA
(ix)	Preparation of own by-laws to comply with SWM Rules 2016	Yes	Yes	Nagar Parishad Gautampura	Completed

(ii) Plastic waste Management					
(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% collection, Not Gap	100% door to door collection being done, however strong IEC plan proposed for 100% segregation.	Nagar Parishad Gautampura	Completed
2	Facilitate organised collection of PW at Waste transfer point or Material Recovery Facility	Gap-100%	Programmes is being organized for collection of Plastic Waste at MRF.	Nagar Parishad Gautampura	Mar-23
3	PW collection Centres	It's a small town, hence separate PW collection not required.	NA	Nagar Parishad Gautampura	NA
4	Awareness and education programs implementation	Advertisements through Social Media, Newspapers, Radios and through slogans is done. Gap-nil, however it is	Advertisements through Social Media, Newspapers, Radios and through slogans shall be done.	Nagar Parishad Gautampura	Routine work
5	Access to Plastic Waste Disposal Facilities	Plastic Waste shall be disposed by MRF to registered plastic waste recyclers. Gap-100%	Acess to plastic waste disposal facility shall be provide	Nagar Parishad Gautampura	Mar-22

(iii) C & D Waste Management					
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.	At present No Facility exist. Gap-100%	separate collection of C&D waste, establishment of C&D waste collection & recycling facility is required.	Nagar Parishad Gautampura	NA
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?	No,Gap-100%	To be Notified	Nagar Parishad Gautampura	NA

3	C&D recycling Facility	Not required, Gap-Nil	NA	Nagar Parishad Gautampura	NA
4	Usage of recycled C&D waste in non- structural concrete, paving blocks, lower layers of road	Not required, Gap-Nil	NA	Nagar Parishad Gautampura	NA
5	ICE on C & D waste management	Gap-Nil, It is a routine process.	It is routine process.	Nagar Parishad Gautampura	Routine Work

Annexure-11

(iv) Biomedical Waste Management

a. Current Status related to biomedical waste

Inventory of BMW in the District	Quantity
Total no. of Bedded Healthcare Facilities	381
Total no. of non-bedded HCF	786
No. of HCFs authorised by SPCBs/PCCs	1138
No of Common Biomedical Waste Treatment and Disposal Facilities (CBWTFs)	1
Capacity of CBWTFs	29 MT/Day (Yes, M/s Howin Incinerator, Indore)
No. of Deep burials for BMW if any	24 (Deep Burial)
Quantity of biomedical waste generated per day	2904
Quantity of biomedical waste treated per day	2904

b. Identification of gaps and Action plan:					
S. No.	Action points	Gaps	Action Plan	Responsible	Timeline for
1	Inventory and Identification of Healthcare Facilities	No Gap : All HCFs including clinics, hospitals, veterinary, Aayush hospitals, Animal Houses etc. generating biomedical waste are identified and authorised by SPCB.	No gap, however the identification of HCFs is done as a continuous process.	MPPCB	Completed
2	Adequacy of facilities to treat biomedical waste	No Gap	1.0-There is 01 CBWTFs Facility established in Indore by. M/s. Hoswin incinerator at Sanwer Road I/A with adequate facility. 2.0-Environmental clearance and consent to establish issued to M/s. Agnimitra for setting up new facility.	MPPCB	Completed
3	Tracking of BMW	Yes, Gap-Nil	Bar code system implemented and all vehicle of CBWTF are operated with GPS Tracking system.	MPPCB	Completed
4	Awareness and education of healthcare staff	Yes, Gap-Nil	Regularly awareness Programs and training to helathcare staff and ULB officials are conducted by Dist. Dist. Health Department/MPPCB/facility operator	MPPCB	Completed
5	Adequacy of funds	Yes	State level biomedical waste management committee has directed health department to provide adequate funds.	Dist. Health Department	Completed

6	Compliance to Rules by HCFs and CBWTFs	Yes, Gap-Nil	MPPCB are regular monitor compliance of BWM Rules 2016 of HCFs and CBWTFs. District level committes are establish in all disrict.	MPPCB	Completed
7	District Level Monitoring Committee	Yes, Gap-Nil	District Level Monitoring Committee formed by all district and meeting organised by CMHOs.	Dist. Health Dept.	Completed
8	Wastewater Treatment	Regular checks are carried out by MPPCB. Gap-Nil.	MPPCB has granted consent/authorization to Major bedded HCFs which have ETP facility.	MPPCB	Completed

(v) Hazardous Waste Management

a. Current Status related to Hazardous Waste Management

Details of Data Requirement	Present Status
No of Industries generating HW	551
Quantity of HW in the district	22128.782 MT/Annum
(i) Quantity of Incinerable HW	654.925 MT/Annum
(ii) Quantity of land-fillable HW	11248.574 MT/Annum
(iii) Quantity of Recyclable / utilizable HW	Recyclable-3131.723 MT/Annum, Utilizable-7093.560 MT/Annum
No of captive/common TSDF	01 TSDF site located at Pithampur Distt. Dhar M.P
Contaminated Sites or probable contaminated sites	None

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 the hazardous waste generating industries are identified and authorized by MPPCB.	MPPCB	Completed
2	Establishment of collection centres	No collection center required for industries, hence Gap-Nil. However IMC Indore has established collection center for domestic hazardous waste and all other ULBs (09) are required to setup the same. Hence, the gap in regard to ULBs is 90%.	Only IMC has linked with TSDF. All the 09 ULBs are required to be linked with TSDF & Waste be sent as per rule.	All ULBs	Dec-23
3	Training of workers involved in handling / recycling / disposal of HW	No Gap	Appropriate training has been provided and it is continuous process.	CMHO/MPPCB	Completed
4	Availability / Linkage with common TSDF or disposal facility	No Gap	There is 01 TSDF site located at Pithampur Dist. Dhar M.P. and all the hazardous waste industries linked with TSDF Site.	MPPCB	Completed
5	Contaminated Sites	No Gap	None	None	NA

(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	51115.53
Collection centers established by ULBs in the District	01 IMC
Collection centers established by Producers or their PROs	NA
No authorized E-Waste recyclers / Dismantler	01 Recycler (M/s. Unique Eco Recycle)/01 Dismantler M/s. Moonstar Enterprises p. Ltd. Indore

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	Inventory / Generation of E-Waste / Bulk-waste generators	Gap-Nil	Hospitals, Hotels, Institutes and corporate offices are identified.	MPPCB	Completed
2	E-Waste collection points	There are 04 E-Waste collection point established respectively by M/s. Unique Eco recycler. (Unique Eco Recycler, SMS E-waste collection, Global e-waste collection, Moonstar enterprises) Gap- Nil	04 E-Waste collection point established respectively by M/s. Unique Eco recycler. (Unique Eco Recycler, SMS E-waste collection, Global e-waste collection, Moonstar enterprises)	MPPCB	Completed
3	Linkage among Stakeholders to channelize E-Waste	Only Indore Municipal Corporation has linkage with the Recyclers/ Dismantlers. Gap-90%	ULBs are required to be linked with authorized recyclers/Dismantlers.	ULB's	Dec-22
4	Regulation of Illegal E- Waste recycling / dismantling	Awareness regarding regulation of Illegal recycling/dismantling is done according to the "E-Waste management rules,2016". Gap-Nil	Awareness regarding regulation of Illegal recycling/dismantling is done according to the "E-Waste management rules,2016".	MPPCB/UL B's	Routine Work
5	Integration of informal sector	Ongoing Process.	Workshop on E-waste Management was conducted with agenda to channelize the E-waste to Authorized Dismantlers and Recyclers.	MPPCB/UL B's	Routine Work
6	Awareness and Education	Ongoing Process.	Strong IEC conducted for Proper E-Waste Channelization and Awareness among the stakeholders by ULB's, District Administration and MPPCB.	Dist. Administration/ULB's/MPPCB	Routine Work

Annexure-14

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.	1
- Operated by SPCB / State Govt / Central govt./ PSU agency :	1
- Operated by Industry:	
Number of manual monitoring States operated by SPCBs	3
Name of towns / cities which are failing to comply with national ambient air quality stations	1
No of air pollution industries	198
Prominent air polluting sources [Large Industry] / [Small Industry] / [Unpaved Roads] / [Burning of Waste Stubble] / [Brick Kiln] / [Industrial Estate] / [Others] (Multiple selection)	Unpaved Roads/Vehicle Pollution/ Burning of Waste Stubble

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?	The detailed Action Plan for abatement of Air pollution of non attainment city Indore has been made and submitted to CPCB. The prominent Air pollution sources are : Vehicular emission, Road dust, Littering of wastes, Burning of Waste stubble, MSW etc., Industrial air pollution, Fuel adulteration. Gap-Nil	ULB/District Administration/ RTO/Agriculture Dept./MPPCB	Completed
2	Ambient Air quality data?	In Indore there are 03 Manual Air quality monitoring station/ 02 Continuous Air quality monitoring station established by PCB. The data	MPPCB	Completed
3	Setting up of Continuous Ambient Air Quality Monitoring Station	Continuous Ambient Air Quality Monitoring Station at DIG Office Indore.Gap-Nil	MPPCB	Completed
4	District Level Action Plan for Air Pollution	Action Plan is prepared by MPPCB. (Non-Attainment City Indore)Gap-Nil	MPPCB	Completed
5	Hotspots of air pollution in District	In Indore city there are 12 Hotspots identified. The name are as follows- 1. Rajwada 2 Kothari Market 3 Regal chouraha 4 Palasia Chouraha 5 MIG Chouraha 6 Vijay Nagar Chouraha 7 Indore Railway Station 8 Surya Mori 9 Bhanwar Kua Chouraha 10 Gangwal Busstand Luv Kush Chouraha Mahu Naka. Gap-Nil	District Administration/ MPPCB	Completed
6	Awareness on Air Quality	Mobile App Env Alert is available for Display of Air quality data and also redressing system for air pollution complaint . Gap-Nil	MPPCB	NA

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	Choral-42km, Gambhir-80km, Kanh-64Km, Chambal-98Km, Kshipra-64Km
Length of Coastline (if any)	Nil
Nalas/ Drains/Creeks meeting Rivers	56 Nos.
Lakes / Ponds	58 Nos. and 2744.77 Hectares
Total Quantity of sewage from towns and cities in District	330.4 MLD
Quantity of industrial wastewater	4.34 MLD
Percentage of untreated sewage	Nil
Details of bore wells and number of permissions given for extraction of groundwater	151939/7871
Groundwater polluted areas if any	0
Polluted river stretches if any	72 KM

b. Identification of gaps and action plan for water quality monitoring:				
S. No.	Action points	Identification of Gaps	Responsible agency	Timeline for completion of action plan
1	Inventory of water bodies	In Indore MPPCB/PHE monitoring cell maintain data of all major water bodies including its water quality. Gap- Nil	MPPCB/PHE	NA
2	Quality of water bodies in the district	Regular monitoring of water bodies is done by MPPCB on monthly basis. Gap- Nil	MPPCB	NA
3	Hotspots of water contamination	On the basis of water quality river Khan at Indore declared polluted river stretch by NGT 673/2018. Action plan for rejuvenation has been prepared, monitored and implemented. Gap- Nil	MPPCB/ULBs	NA
4	Protection of river / lake water front	District Level Committee is monitoring the action plan for rejuvenation of River khan. Gap- Nil	MPPCB/ULBs	Routin Work
5	Inventory of sources of water pollution	All sewage and wastewater discharge points in river khan are identified and Nallah tapping have been done by Indore municipal corporation. Gap- Nil	ULBs	Completed
6	Oil spill disaster management (for coastal districts)	District Indore is not coastal district, hence not applicable.	NA	NA
7	Protection of flood plains	Regular work done. Gap- Nil	Dist. Administration/WRD	Routine Work

8	Rejuvenation of groundwater	Ministry of Jal Shakti, Department of Water Resources has prepared Rain water harvesting plan. By laws have been framed. The Regular checking and installation of Rain Harvesting done by ULBs and other departments.Gap- Ongoing Process	ULBs	Routine Work
9	Complaints redressal system	Yes EnvAlert App prepared by MPPCB for addressing complaint. Gap- Nil	MPPCB	NA

Annexure-16

4.2 Domestic Sewage

INDORE

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	None
No of Class-I towns and above	1
No of Towns STPs installed	01 Town - 10 STP installed
No of Towns needing STPs	None
No of ULBs having partial underground sewerage network	None
No of towns not having sewerage network	NA
Total Quantity of Sewage generated in District from Class II cities and above	350 MLD
Quantity of treated sewage flowing into Rivers (directly or indirectly)	350 MLD
Quantity of untreated or partially treated sewage (directly or indirectly)	Nil
Quantity of sewage flowing into lakes	Nil
Total available Treatment Capacity	412.5 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)	1. In Indore, IMC has installed 10 STPs at different location for sewage treatment. (245 MLD, 78 MLD, 12 MLD, 07 MLD, 08 MLD, 11 MLD, 06 MLD, 35 MLD, 10 MLD and 0.5 MLD) Gap-Nil 2. All ULBs except IMC require STP for treatment of domestic waste. The Action Plan shall be prepared and implemented.	IMC Remaining ULBs (09)/District Administration	NA 05 Years
2	Underground sewerage network	1. The sewerage network line laid in the indore city for proper sewage collection and its treatment. Gap-Nil 2. Action Plant for collection of sewage shall be prepared for remaining ULBs (09) and implemented.	IMC Remaining ULBs (09)/District Administration	NA 05 Years

4.2 Domestic Sewage	CB MHOW		
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	1		
No of Class-I towns and above	None		
No of Towns STPs installed	0		
No of Towns needing STPs	1		
No of ULBs having partial underground sewerage network	NA		
No of towns not having sewerage network	1		
Total Quantity of Sewage generated in District from Class II cities and above	5.6 MLD		
Quantity of treated sewage flowing into Rivers (directly or indirectly)	Nil		
Quantity of untreated or partially treated sewage (directly or indirectly)	5.6 MLD		
Quantity of sewage flowing into lakes	Nil		
Total available Treatment Capacity	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 Plants (STPs)	The STP is proposed in CB Mhow area for the treatment of 5.6 MLD Sewage generation. Gap-100%	CB Mhow	Dec-23

2	Underground sewerage network	The sewerage network is required to be laid in Mhow Cantt area for proper sewage collection and its treatment. Gap-100%	CB Mhow	Dec-23
---	------------------------------	---	---------	--------

5.0 Industrial wastewater management

a. Current Status related to Industrial Wastewater Management

Details of Data Requirement	Present Status
Number of Red, Orange, Green and White industries in the District	Red-439, Orange-421, Green-557
No of Industries discharging wastewater	218
Total Quantity of industrial wastewater generated	4.34
Quantity of treated industrial wastewater discharged into Nalas / Rivers	Nil
Common Effluent Treatment Facilities	01 (CETP 4.0 MLD at Sector-F, Sanwer road I/A.
No of Industries meeting Standards	218
No of Industries not meeting discharge Standards	Nil

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	All the waste water discharging industries meeting with the standard. Gap-Nil	MPPCB	NA
2	Complaint redressal system	Yes, EnvAlert App prepared by MPPCB for addressing complaint.Gap-Nil	MPPCB	NA

6.0 Mining Activity Management plan

a. Current Status related to Mining Activity Management

Details of Data Requirement	Present Status
Type of Mining Activity	Murum/Stone Crusher
No of licenced Mining operations in the District	88
% Area covered under mining in the District	0.02%
Area of Sand Mining	No
Area of sand Mining	NA

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	Dist. Mining Dept. has permitted to mines for operation with compliance of environmental norms as mentioned in Environmental Clearance. Gap-Nil	Mining Dept./MPPCB	Routine Work
2	Inventory of illegal mining if any mining	The illegal mining is not permitted. The State Govt. has constituted a committee under the chairmanship of collector Indore. The members of the committee are SP, MPPCB, Mining Officer. Mining Officer is the convenor of the committee. Gap-Nil, however it is a routine work of identification of illegal mining and	District Administration/Mining Dept.	Routine Work
3	Environment compliance by Mining industry	Periodic inspection are done to check the complainece of environmental conditions regulary by MPPCB. Gap- Nil	MPPCB	Routine Work

Annexure-19

7.0 Noise Pollution Management plan

a.Current Status related to Noise Pollution Management

Details of Data Requirement	Present Status
No. of noise measuring devices available with various agencies in district	District Administration-02 & MPPCB-03

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.	1. Adequate no. of noise monitoring devices are available. Also Smart Phone, the app of noise monitoring are used.Gap-Nil	District Administration/MPPCB	NA
2	Ambient Noise Level monitoring.	Noise Level Monitoring with the Manual Meters is done 2 times in a month to check the ambient Noise Levels of the city.Gap-Nil	District Administration/MPPCB	Routine Work
3	Signboards in Noise zones	39 Silent Zones are notified by District Administration with the sign boards in the city.Gap-Nil	District Administration/Traffic Police	NA
4	Complaint redressing system	Yes EnvAlert App prepared by MPPCB for addressing complaint.Gap-Nil	District Administration/MPPCB	Routine Work