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कमांक 1007 / क्षे.का / प्रनिबो / 2021 जबलपुर,दिनांक 30 912 ya. श्री हेमन्त शर्मा, पर्यावरण डायरेक्टर म०प्र० प्रदूष्ण नियंत्रण बोर्ड, भोपाल (म०प्र०) माननीय एन0जी0टी0 में प्रचालित प्रकरण क्रमांक 710/2017 में दिनांक 15/07/2019 एवं विषय :--प्रकरण कमांक 360 / 2018 में दिनांक 26 / 09 / 2019 एवं दिनांक 05 / 07 / 2021 में पारित आदेश के पालन अंतर्गत District Environment Plan बनाने बाबत्। बोर्ड मुख्यालय भोपाल का पत्र क्रमांक 110 दिनांक 06/07/2021. संदर्भ :-1. बोर्ड मुख्यालय भोपाल का पत्र क्रमांक 151 दिनांक 13/09/2021 2. बोर्ड मुख्यालय भोपाल का पत्र क्रमांक 808 दिनांक 21/09/2021 3. ----00-----उपरोक्त विषयांतर्गत लेख है, प्रकरण क्रमांक 360 / 2018 में दिनांक 26 / 09 / 2019 को पारित आदेष अंतर्गत प्रदेष के सभी जिलों के District Environment Plan बनाया जाना था। अतः कलेक्टर मण्डला जिला मण्डला से समन्वय कर मार्गदर्शिका अनुसार सभी विषयों पर नवीन पुनरीक्षित जिला पर्यावरणीय योजना (District Environment Plan) की तीन प्रतियॉ संलग्न कर प्रेषित है। उपरोक्तानूसार। संलग्न :--आलोक कुमार जैन) क्षेत्रीय अधिकारी म0प्र0 प्रदूष्ण नियंत्रण बोर्ड जबलपुर (म0प्र0) ----- / क्षे.का / प्रनिबो / 2021 पु0कमांक— जबलपुर,दिनांक-प्रतिलिपि :--1. जिला एवं शहरी विकास अभिकरण (Duda) डूडा मण्डला जिला मण्डला की ओर सूचनार्थ।

2. NIC कृपया जिला पर्यावरणीय योजना (District Environment Plan) की प्रति को जिले की Website पर Upload करने का कष्ट करें। जिला पर्यावरणीय योजना की PDF प्रत्रियाँ E-Mail की गई है।

(आलोक कुमार जैन) क्षेत्रीय अधिकारी म0प्र0 प्रदूष्ण नियंत्रण बोर्ड जबलपुर (म0प्र0)

PD/SSR/Office/Maurya

कार्यालय कलेक्टर एवं जिला दण्डाधिकार, मण्डला, (म॰प्र॰) क्रमांक/.../कार्या॰कले॰/मण्डला/2021/ मण्डला, दिनांक -2월०९/2021. प्रति,

प्रमुख सचिव पर्यावरण एवं अध्यक्ष, म॰प्र॰ प्रदूषण नियंत्रण बोर्ड, पर्यावरण परिसर ई 5 अरेरा कालोनी, भोपाल म॰प्र॰

- विषय :- माननीय एन॰जी॰टी॰ में प्रचलित प्रकरण क्रमांक 710/2017 में दिनांक 15/07/2019 एवं प्रकरण क्रमांक 360/2018 में दिनांक 26/09/2019 एवं दिनांक 05/07/2021 में पारित आदेश के पालन अंतर्गत District Environment Plan बनाये जाने बावत् ।
- संदर्भ :- प्रमुख सचिव मध्यप्रदेश शासन पर्यावरण विभाग का पत्र क्रमांक/808/ दिनांक 21/09/2021.

-:00:-

उपरोक्त संदर्भित पत्र के अनुपालन में कार्यालयीन पत्र क्रमांक/974 दिनांक 24/09/2021 व्दारा जिला स्तरीय समिति का गठन किया गया है, उक्तानुसार गठित समिति District Environmental Plan तैयार किया गया है ।

उक्तानुसार जानकारी तैयार की जाकर आपकी ओर सादर प्रस्तुत है । <u>संलग्न</u> :- उपरोक्तानुसार.

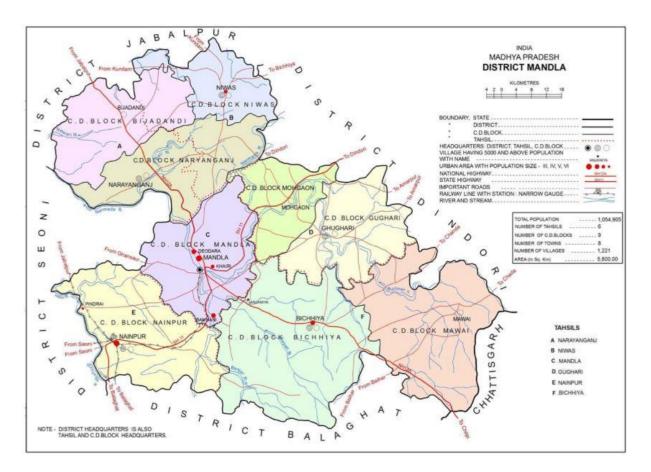
> (हर्षिका सिंह) कलेक्टर, जिला/मण्डला. मण्डला, दिनांक -28/09/2021.

पृ॰क्रमांक/*.7.3.1*.../कार्या॰कले॰/मण्डला/2021/ <u>प्रतिलिपि</u> :-

- (1)- क्षेत्रीय अधिकारी, म॰प्र॰ प्रदूषण नियंत्रण बोर्ड जबलपुर की ओर सूचनार्थ ।
- (2)- एन॰आई॰सी॰, मण्डला की ओर सूचनार्थ कृपयाँ District Environmental Plan जिले की वेबसाईट पर अपलोड करें ।

कलेक्टर, जिला मण्डस

District Environment Plan for District-Mandla (M.P)





Mandla

Office of the District Collector, Mandla E-Mail – dmmandla@nic.in Phone No: - 07642-250600

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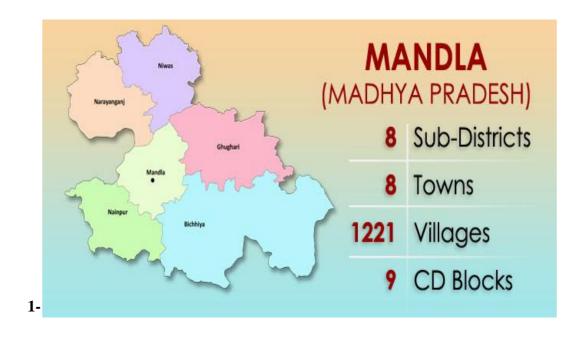
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District Profile: -

Mandla is thought to have originated from the Sanskrit word "Mandal" meaning circle; river Narmada almost girdles the town from three sides. Mandla is the southeastern district of Madhya Pradesh. The district spreads from 22° 2'23.22" N latitude to 80° 18'81.50''E longitude. It lies in the eastern part of Jabalpur Division forming a part of the Satpura hills, which separates the cotton growing southern region from the wheat growing Malwa plateau on the north. The Tropic of Cancer passes through the north of the district. The district is bound on the north-west by Jabalpur district, on the north and north-east by Dindori district, on the south by Balaghat and on the west by Seoni. A small south-eastern part adjoins the Kawardha district of Chhattisgarh. The total area of the district is 5800 sq km, divided into four tehsils encompassing nine developmental blocks and 1,241 villages. Niwas, Mahadwani, Narayanganj, Chabi, Ghughri, Pindari, Nainpur, Bichhiya and Gorakhpur are some major towns in the district.

A large part of the district is occupied by the Narmada basin consisting the north-eastern part of the Son sub-basin and south-western (Wainganga sub-basin) and south-eastern extent (Seonath sub-basin) of the Godavari basin. The general gradient of the area is towards east. The Narmada-Son valley defines the topography of the entire State along with three major physiographical regions – Central Indian Highlands to the north, Satpura-Maikal hill ranges to the south and the eastern plateau to the southeast. The eastern wider and semicircular part of the Satpuras is known as Maikal ranges that form a watershed between western and eastern India. These ranges include the Amarkantak plateau, the origin of Narmada and Son rivers.

a) District Administrative Set-up: -



2- Revenue Department

| Office | Office Head |
|----------------------|----------------------|
| District Office | Collector |
| Revenue Sub Division | SDM/Deputy Collector |
| Tahsil | Tahsildar |
| RI Circle | Revenue Inspector |
| Patwari Halka | Patwari |
| Village | Kotwar |

3- Panchayat and Rural Development

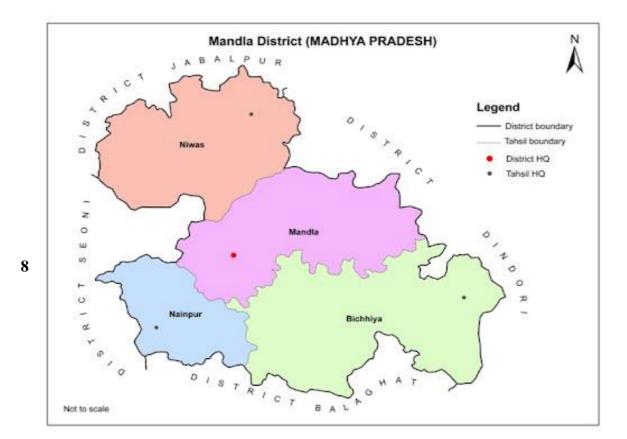
| Office | Office Head |
|------------------------|----------------------|
| District Office | CEO Zila Panchayat |
| Block/Janpad Panchayat | CEO Janpad Panchayat |
| Tahsil | Tahsildar |
| Cluster/Sector | Nodal Officer |
| Village Panchayat | Panchayat Secretary |

As per the direction of Hon'ble NGT, Collector Mandla constituted District Committee comprising of following members to evolve and execute District Environmental Plan.

| 1 | District Collector, Mandla | Chairman |
|----|--|----------|
| 2 | CEO, Jila Panchayat, Mandla | Member |
| 3 | Commissioner, Nagar Nigam, Mandla | Member |
| 4 | Regional Officer, M.P. Pollution Control Board, Jabalpur | Member |
| 6 | CMO, Nagar Palika Mandla | Member |
| 7 | CMO, Nagar Parishad Bamhani Banjar | Member |
| 8 | CMO, Nagar Parishad Bua Bichiya | Member |
| 9 | CMO, Nagar Parishad Niwas | Member |
| 10 | CMO Nagar Parishad Nainpur | Member |

a. Local institutions

| District Administrator | Mandla | a Collector |
|-----------------------------|--------|-------------|
| Subdivision | 1. | Mandla |
| | 2. | Nanpur |
| | 3. | Bichhiya |
| | 4. | Ghughari |
| | 5. | Niwas |
| | 6. | Narayanganj |
| Revenue circles | - | 26 |
| Community development block | - | 09 |
| Panchayat | - | 81 |
| Villages | - | 1221 |
| Total Area In (Sq. Km.) | - | 5800 |
| Population (Census 2011) | - | 10,54,905 |



b. Natural Resources

Water bodies

Narmada river rises near Amarkantak in Madhya Pradesh at an elevation of about 900 m and flows for about 150 km in madla before entering in Jabalpur District. Its principal tributaries are the the Banjar,Gaur in mandla District.

| • Narnada River | 150 Km |
|-------------------|--------|
| • Banjar River | 62 Km |
| • Balai River | 41 Km |
| • Wainganga River | 35 Km |

• Availability of water resources

- 1. River Water
- 2. Rain Water
- 3. Ponds
- 4. Ground Water

Forest coverage

Total recorded forest land in the district is 2830 km2 which about 48.79 percent of the total geographical area of the district. According to FSI assessment in 2011 there were 751 km2 very dense, 1204 km2 moderate and 875 km2 open forest cover of the district. Kahna tiger reserve park is situated in Mandla District.

9 Geography & Demography

The Mandla district spreads from 22° 2'23.22" N latitude to 80° 18'81.50" E longitude. The total area of the district is 8,771 sq km, divided into four tehsils encompassing nine developmental blocks and 1,241 villages. Niwas, Mahadwani, Narayanganj, Chabi, Ghughri, Pindari, Nainpur, Bichhiya and Gorakhpur are some major towns in the district. As of 2011 India <u>census</u>,

An official Census 2011 detail of Mandla, a district of Madhya Pradesh has been released by Directorate of Census Operations in Madhya Pradesh.

- Total House holds 248,825
- Population 1,054,905
- Male 525,272
- Female 529,633
- Rural 924,716

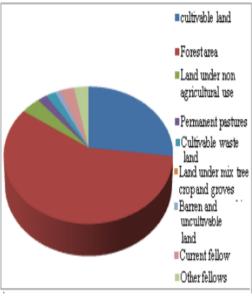
• Urban 130,189

10 Land-use patter

| Table 1: General Land Use of the Study Area | | | | | | | | | | |
|---|--------------|------------|--------|------------------|-----------|------------|---------------------|-------------------|---------|---------|
| Land use | Geographical | Cultivable | Forest | Land under non | Permanent | Cultivable | Land under mix tree | Barren and | Current | Other |
| pattern of the district | area | land | area | agricultural use | pastures | waste land | crop and groves | uncultivable land | fellow | fellows |
| Area (`000ha.) | 965.6 | 277.9 | 593.2 | 42.4 | 19.9 | 21.5 | 0.1 | 10.6 | 31.4 | 32.2 |

Table 1: General Land Use of the Study Area

Source: Madhya Pradesh agriculture contingency plan for Mandla district, 2009-10.



7. Temporal Change of Forest Cover in Mandla District

There has been rapidly fluctuated in short term interval change in the area of forest cover in the district during the last 10 year i.e. from 2769 km² in 2001 to 2762 km² in 2003 and continently increase 2771 km² in 2003 to 2005 and 2834 km² in 2009 and decrease 4 km^2 (2830 km²)in 2011.

Table2: Forest Cover Change, 2001-2011

| Years | 2001 | 2003 | 2005 | 2009 | 2011 |
|--------------|------|------|------|------|------|
| Dense forest | 1990 | 1752 | 1711 | 1958 | 1955 |
| Open forest | 779 | 940 | 1060 | 875 | 875 |
| Scrub | 57 | 40 | 12 | 55 | 55 |
| Total | 2769 | 2732 | 2771 | 2834 | 2830 |

Source: state forest report 2001, 2003, 2005, 2009 and 2011.

| | January | February | March | April | May | June | July | August | September | October | November | December |
|--------------------------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Avg. Temperature °C | 18.5 °C | 22.1 °C | 26.7 °C | 31.5 °C | 33.9 °C | 30.1 °C | 25.6 °C | 25 °C | 25.4 °C | 24.6 °C | 21.8 °C | 18.9 °C |
| (°F) | (65.3) °F | (71.8) °F | (80) °F | (88.7) °F | (93) °F | (86.3) °F | (78) °F | (77) °F | (77.7) °F | (76.3) °F | (71.3) °F | (66) °F |
| Min. Temperature °C (°F) | 11.3 °C | 14.6 °C | 18.8 °C | 23.4 °C | 26.9 °C | 26 °C | 23.4 °C | 22.9 °C | 22.3 °C | 19.3 °C | 15.3 °C | 11.8 °C |
| | (52.3) °F | (58.3) °F | (65.8) °F | (74.1) °F | (80.4) °F | (78.8) °F | (74.2) °F | (73.2) °F | (72.2) °F | (66.8) °F | (59.5) °F | (53.3) °F |
| Max. Temperature °C | 25.8 °C | 29.4 °C | 34 °C | 38.7 °C | 40.3 °C | 34.9 °C | 28.6 °C | 28 °C | 29.2 °C | 30.1 °C | 28.5 °C | 26.1 °C |
| (°F) | (78.4) °F | (84.9) °F | (93.3) °F | (101.7) °F | (104.6) °F | (94.8) °F | (83.4) °F | (82.4) °F | (84.6) °F | (86.2) °F | (83.4) °F | (79) °F |
| Precipitation / Rainfall | 13 | 17 | 17 | 8 | 9 | 200 | 465 | 396 | 210 | 39 | 9 | 9 |
| mm (in) | (0.5) | (0.7) | (0.7) | (0.3) | (0.4) | (7.9) | (18.3) | (15.6) | (8.3) | (1.5) | (0.4) | (0.4) |
| Humidity(%) | 48% | 41% | 30% | 23% | 26% | 54% | 84% | 87% | 81% | 62% | 52% | 50% |
| Rainy days (d) | 2 | 2 | 2 | 2 | 2 | 11 | 19 | 19 | 13 | 4 | 1 | 1 |
| avg. Sun hours (hours) | 9.4 | 10.0 | 10.7 | 11.4 | 11.8 | 10.2 | 6.4 | 5.7 | 7.7 | 9.5 | 9.5 | 9.4 |

Figure 2: Land Use of Mandla District

11 Climate

Mandla has a tropical climate. In winter, there is much less rainfall in Mandla than in summer. According to Köppen and Geiger, this climate is classified as Aw. The average annual temperature in Mandla is 25.3 °C | 77.6 °F. The annual rainfall is 1392 mm | 54.8 inch. The difference in precipitation between the driest month and the wettest month is 457 mm | 18 inches. During the year, the average temperatures vary by 15.4 °C | 27.7 °F. The month with the highest relative humidity is August (86.70 %). The month with the lowest relative humidity is April (22.90 %). The month with the highest number of rainy days is August (25.77 days). The month with the lowest number of rainy days is December (1.50 ays). Mandla are in the middle

District Environment Plan of Mandla District (M.P) and the summers are that easy to define.

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

(i) Solid Waste Management: -

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.

In Mandla District, there are 01 Municipal Council and 04 Nagar Parshad. The total quantity of Solid Waste Generation is around 28.50 Metric ton/day. In Mandla District, most of the solid waste is generated in Municipal Counsil Mandla. The quantity of this waste is about 16 MT/Day. Nagar Palika Mandla has taken various required measures for collection, transportation, partially treatment & disposal of Municipal Solid waste.

Thus, Mandla has provided partially facilities for MSW management, hence, improvement of treatment facilities, infrastructure is required. Also, the 04 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: -

| Sl. No. | Urban Local bodies | No of Wards | No of Households | Population | Solid Waste Generated per day |
|------------|----------------------------------|----------------|---------------------|------------|-------------------------------------|
| 1 | Nagar Palika Mandla | 24 | 10833 | 49471 | 16 MT/D |
| 2 | Nagar Parishad Nainpur | 15 | 3206 | 22618 | 4.65 MT/D |
| 3 | Nagar Parishad Bichiya | 15 | 2548 | 10427 | 2.346 MT/D |
| 4 | Nagar Parishad Niwas | 15 | 1625 | 8248 | 1.41 MT/D |
| 5 | Nagar Parishad Bamhani Banjar | 15 | 3250 | 10264 | 4.0 MT/D |

| Sl. No. | Local Bodies | No of Village panchay ats / Blocks | Population | Solid Waste Generated per day |
|------------|-------------------------------|--|------------|-------------------------------|
| 2 | Block /Taluk / Mandal Tehsils | 9/81 | 130189 | 39.05 MT /Day |
| 3 | Village/Gram Panchayats | 1221 | 924716 | 184.94MT /Day |

| S1. | Urban Local bodies | Annexure |
|-----|-------------------------------|------------|
| No. | | |
| | | |
| 1 | Nagar Palika Mandla | Annexure-1 |
| 2 | Nagar Parishad Nainpur | Annexure-2 |
| 3 | Nagar Parishad Bichiya | Annexure-3 |
| 4 | Nagar Parishad Niwas | Annexure-4 |
| 5 | Nagar Parishad Bamhani Banjar | Annexure-5 |
| | | |

Details of Indicative Gap Analysis and Action Plans for complying with Waste Management Rules Table-1

Note: - There is no system followed by the All the village panchyat (Rural Areas) in managing the Solid waste. In Village Panchat waste collection and management system is based on their physiological setup. In the Rural area the solid waste generation is very less. Generally, bio degrable waste/ cow dung is use for composting. There is no legacy waste in rural areas. Door to door collection and other solid waste management facilities is not in practice so far

(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, Dept. 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 is 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. Estimated Quantity of plastic waste generated in District is approximately 0.87 MT/Day.

District Environment Plan of Mandla District (M.P) (a) Current status related to Plastic waste management

| | Urban Local bodies | Estimated quantity of Plastic Waste Generated per day |
|---|-----------------------------|--|
| 1 | Municipal Council Mandla | 0.6 MTPD |
| 2 | Municipal Council Nainpur | 0.15 MTPD |
| 3 | Nagar Parishad Bamhnibanjar | 0.05 MTPD |
| 4 | Nagar Parishad Bichhiya | 0.03 MTPD |
| 5 | Nagar Parishad Niwas | 0.044 MTPD |

| | Local Bodies | Plastic Waste Generated per day |
|---|-------------------------------|---------------------------------|
| 2 | Block /Taluk / Mandal Tehsils | 1.56 MT/D |
| 3 | Village/Gram Panchayats | 5.55 MT/D |

(b) Identification of gaps and Action plan:

The Details of Plastic Waste & Identification of gaps and Action plan is enclosed with Table-1

Note: - There is no system followed by the All the village panchyat (Rural Areas) in managing the Plastic waste. In Village Panchat waste collection and management system is based on their physiological setup. In the Rural area the Plastic waste generation is very less. Door to door collection and other plastic waste management facilities is not in practice so far.

(iii) C & D Waste Management: -

The Govt. of India has notified C&D Waste Management Rules 2016. These rules are applicable in State of Madhya Pradesh also. In Mandla district the generation of C&D waste is mostly found in city Mandla. Nagar Palika Mandla has not provided separate area for C&D waste taken various measures for collection, transportation, treatment & disposal of Construction & Demolition wastes. Nagar Palika Mandla has not installed C & D waste processing facility. Except, 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.

a. Current status related to C & D Waste: -

| Details of Data Requirement | Present Status |
|---|----------------------------------|
| Total C & D waste generation in MT per day (As per data | Nil |
| from Municipal Corporations / Municipalities) | |
| Does the District have access to C&D waste recycling | |
| facility? | C&D waste recycling not provided |

b. Identification of gaps and Action plan:

The Details of C&D Waste & Identification of gaps and Action plan is enclosed with Table-1

(iv) Biomedical Waste Management: -

About 47 bedded Health Care Facilities and 28 non bedded Health Care Facilities have been granted authorization under BMW Rules, 2016. As per records of MPPCB, All these HCFs are sending their waste to the CBMWTF, approximately 68 Kg / day is being sent to M/S Kripa Wastages, Pindri Khurd, Dist- Seoni, with 100% segregation.

About Krupa Wastage: -

M/s Krupa Wastage has operated CBWTF facility at the site i.e., Khasara No. 394, Village Pindrai khurd, Teh. Barghat, Dist. Seoni (M.P.) having capacity of 50 kg per hours. To meet out the requirement of guideline issued by CPCB,

a. Current Status related to biomedical waste

| Inventory of BMW in the District | Quantity |
|--|-----------|
| Total no. of Bedded Healthcare Facilities | 47 |
| Total no. of non-bedded HCF | 28 |
| No. of HCFs authorised by SPCBs/PCCs | 62 |
| No of Common Biomedical Waste Treatment and | Nil |
| Disposal Facilities (CBWTFs) | |
| Capacity of CBWTFs | N.A. |
| No. of Deep burials for BMW if any | No |
| Quantity of biomedical waste generated per day | 68 Kg/Day |
| Quantity of biomedical waste treated per day | 68 Kg/Day |

b. Identification of gaps and Action plan: -

| S. No. | Action points | Gaps | Action Plan | Responsib le agency | Timeline for completion of action plan |
|-----------|---|--|---|------------------------|--|
| 1. | Inventoryand Identification of Healthcare Facilities | Generating Biomedical Waste area identified and Authorized by MPPCB. No Gap | Inventory and Authorization of all HCFs/Clinics/Hospital s/Veterinary etc. already completed | | Complete |
| 2. | Adequacy of facilities to treat biomedical waste | Biomedical Waste generated per day and quantity of Biomedical Waste treated and disposed in the CBWTF. No Gap | | МРРСВ | Complete |
| 3. | Tracking of BMW | Bar code system is implemented by all CBWTF. But HCFs is not adopted Bar Code System Gap 40% | Bar code system will be adopted by all HCFs with tracking system | | 2 years |
| 4. | Awareness and education of healthcare staff | Training has been | Continuous Process | МРРСВ | Continuous process |
| 5. | Adequacy of funds | Adequate funds is allocated to Government health care facilities for bio- medical waste management No Gap | AdequatefundsisprovidedbyGovernmentfordisposalofBiomedical waste. | Health Department | Continuous process |
| 6. | Compliance to Rules by HCFs and CBWTFs | District level mechanism to monitor compliance by Hospitals / HCFs is provided, No gap | Monitoring and compliance of HCFs and CBWTFs is already carried by MPPCB Officers | МРРСВ | Continuous process |
| 7 | District Level Monitoring Committee | District Level Monitoring Committee has been constituted. No Gap | District level monitoring committee has been already formed to monitor compliance | МРРСВ | Continuous process |
| 8. | Wastewater Treatment | waste water Gap 10% | Most the HCFs has provided ETPs for treatment of biomedical waste water, rest of HCFs is use hypochlorite treatment | MPPCB | 2 years |

District Environment Plan of Mandla District (M.P) (v) Hazardous Waste Management: -

Hazardous waste" means any waste which by reason of characteristics such as physical, chemical, biological, reactive, toxic, flammable, explosive or corrosive, causes danger or is likely to cause danger to health or environment, whether alone or in contact with other wastes or substances under Hazardous waste and transboundary movement rules 2016. The Common Hazardous Waste Treatment Storage and disposal Facility (CHWTSDF) is available within Madhya Pradesh state. 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 Industries here are required to dispose their hazardous waste in another nearby district. In the Mandla District As per data, there are 17 Hazardous waste generating industry in Mandla district with the waste quantity of 18.77 MT/Year and rest is sent to the recyclers.

| Details of Data Requirement | Present Status |
|--|---|
| No of Industries generating HW | 17 |
| Quantity of HW in the district | 18.771 |
| (i) Quantity of Incinerable HW | 0 |
| (ii) Quantity of land-fillable HW | 0.131 |
| (iii) Quantity of Recyclable / utilizable HW | 18.64 |
| No of captive/common TSDF | 01 common TSDF is proposed at IA Maneri |
| Contaminated Sites or probable | Nil |
| contaminated sites | |

a. Current Status related to Hazardous Waste Management

| S. No. | Action points | Identification of Gaps | Action Plan | Responsibl e agency | Timeline for completi on of action plan |
|-----------|--|--|---|------------------------|--|
| 1. | RegulationofindustriesandfacilitiesgeneratingHazardousWaste | All hazardous waste industries are identified and authorised by MPPCB. No Gap | All HW generating units has obtained Authorization from MPPCB and dispose through authorized recycler /TSDF authorised and a System of safe disposal is in place | | Completed |
| 2. | Establishment of collection centers | Collection centres for hazardous wastes with linkage to common TSDFs / recyclers. No Gap | Quantity of hazardous waste is very less hence no collection centre is required | МРРСВ | Completed |
| 3. | Training of workers involved in handling / recycling / disposal of HW | Adequate No Gap. | Time to time training and workshops has been conducted as per requirement | МРРСВ | Continuou process |
| 4 | Availability / Linkage with common TSDF or disposal facility | Adequate No Gap. | The common TSDF/Authorized Recycler is already linked to Disposal facility at Pithampur district Dhar of M.P 01 TSDF is proposed in the Mandla district at Industrial Area Maneri | | Continuou process |
| 5 | Contaminated Sites | Adequate No Gap. | No contaminated site, incidents of HW Dumping in the district | МРРСВ | Completed |

District Environment Plan of Mandla District (M.P) **b. Identification of gaps and action plan:**

(vi) E-Waste Management

e-waste' means electrical and electronic equipment, whole or in part discarded as waste by the consumer or bulk consumer as well as rejects from manufacturing, refurbishment, and repair processes. Current practices in Mandla city were limited to collection and transportation of E-waste to other cities like Delhi, Bangalore etc. for recycling activities. Scrap vendors collected E-waste from Government. offices, residential areas, industries, private institutes, banks etc. Such E-waste was then stored at the scrap yards. When considerable E- waste was collected at the scrap yards they were then packed and transported to the recycling facilities at other cities

The Govt. of India has notified E-Waste Management Rules 2016. These rules are applicable in State of Madhya Pradesh also. There are no recycler & dismantlers authorized by M.P. Pollution Control Board for E-Waste Management. All recycler & dismantlers are located in Indore City. The E-Waste generated in the area is sent to above authorized recycler for further treatment & disposal of E-Waste.

| Details of Data Requirement | Present Status |
|-----------------------------------|---|
| Inventory of E-Waste in MT/year | As per annual report E-waste collection of Mandla District is Nil |
| Collection centers established by | Nil (Presently very less quantity of generation of E- |
| ULBs in the District | waste it is not Economically viable to setup collection centre at Mandla district However it is a linked with other facilities in the state |
| Collection centers established by | Nil |
| Producers or their PROs | |
| No authorized E-Waste | |
| recyclers / Dismantler | Nil |

a. Current Status related to E-Waste Management

District Environment Plan of Mandla District (M.P) **b. Identification of gaps and action plan:**

| S. No. | Action points | Gaps in implementation | Action Plan | Responsibl e agency | Timeline for completi on of action plan |
|-----------|--|---|--|------------------------|--|
| 1 | Inventory / Generation of E-Waste / Bulk- waste generators | Gap- Nil | Hospital Hotel institutes and corporate office & industries are identified | MPPCB | Completed |
| 2 | E-Waste collection points | Less quantity of E-waste generation, already linkage with recyclers at indore district Gap- 10% | point and recycler is | МРРСВ | 03 Years |
| 3 | Linkage among Stakeholders to channelize E-Waste | Gap- 80% | ULB are required to be linked with authorized recyclers/ Dismantlers | ULBs | 02 Years |
| 4 | Regulation of Illegal E- Waste recycling / dismantling | Awareness regarding regulation of illegal recycling/dismantling is done according to E- waste Management Rules 2016. Gap is Nil | Awareness regarding regulation of illegal recycling/dismantling is done according to E- waste Management Rules 2016 | MPPCB | Continuous process |
| 5 | Integration of informal sector | Ongoing process Gap is Nil | Workshop on E- waste Management was conducted with agenda to channelize the E-waste Management Rules 2016 | MPPCB | Continuous process |
| 6 | Awareness and Education | Ongoing process Gap is Nil | Time to time Awareness programs, workshops and other activities has been carried out | | Continuous process |

Air Quality Management

The major source of air pollution is unpaved roads, vehicular emission and burning of wastes. One station is manually operated for ambient air quality under District City Monitoring and vehicular monitoring is also done on regularly basis. The various parameters done are PM10, PM 2.5, SO₂, NO₂, etc. All these parameters are observed within the prescribed limit.

a. Current Status related to Air Quality Management

| Details of Data Requirement | Present Status |
|---|----------------|
| | |
| Number of Automatic Air Quality monitoring stations in | Nil |
| the district. | |
| - Operated by SPCB / State Govt / Central govt./ PSU | |
| agency: | |
| - Operated by Industry: | |
| Number of manual monitoring States operated by SPCBs | 01 |
| Name of towns / cities which are failing to | Mandla City |
| comply with national ambient air quality stations | Nil |
| No of air pollution industries | 15 |
| Prominent air polluting sources | Unpaved |
| [Large Industry] / [Small Industry] / [Unpaved Roads] / | Roads/Vehicle |
| [Burning of Waste Stubble] / [Brick Kiln] / [Industrial | pollution |
| Estate] / [Others] (Multiple | |
| selection) | |

b. Identification of gaps and action plan:

| S. | Action points | Indicative Action Plan | Responsibl | Timeline for |
|----|---|---|------------|--------------------|
| No | | | e agency | completion of |
| • | | | | action plan |
| 1. | Identification of prominent air polluting sources? | Other vehicular emission 1- Road is to be paved 2- Littering of MSW be prevented 3- Regular PUC check of vehicle 4. Burning of waste stubble MSW etc 5. fuel adulteration should be checked regularly 6- Control of forest fire | | Continuous process |
| 2. | Ambient Air quality data? | In Mandla 01 Manual Air quality monitoring station is established by MPPCB Gap-Nil | MPPCB | Completed |
| | Setting up of Continuous Ambient Air Quality Monitoring Station | Presently no Continuous Ambient Air Quality Monitoring Station. CAAQMS will be proposed as per requirements in district Mandla Gap-Nil | MPPCB | Completed |

| | District Level Action | One station is manually operated | MPPCB | Completed |
|----|--|--|-------|-----------|
| 4. | Plan for Air Pollution | for ambient air quality under District City Monitoring and vehicular monitoring is also done on regularly basis. The various parameters done are PM10, PM 2.5, SO ₂ , NO ₂ , etc. All these parameters are observed within the prescribed limits Gap-Nil | | |
| 5. | Hotspots of air pollution in District | Presently no hotspots of air pollution are identified Gap- Nil | MPPCB | Completed |
| 6 | Awareness on Air Quality | information on local air quality in towns and cities located at Distric is consider developing Mobile App (EnvAlert)/ Online portal for dissemination of air quality as well as to take complaints on local air pollution Gap-Nil | MPPCB | Completed |

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. As per Hon'ble NGT order in case no. 673/2018, an action plan for River Wainganaga has been prepared and submitted to CPCB. This action plan consists 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.

| Details of Data Requirement | Present Status | |
|--|------------------------------|--|
| Rivers | Narmada river, Banjar River, | |
| Length of Coastline (if any) | Nil | |
| Nalas/ Drains/Creeks meeting Rivers | 16 | |
| Lakes / Ponds | 34 Nos. | |
| Total Quantity of sewage from towns and cities in District | 5.33 MLD | |
| Quantity of industrial wastewater | 0.90 MLD | |
| Percentage of untreated sewage | 90% | |
| Details of bore wells and number of permissions given for extraction of groundwater | [3180 Nos] | |
| Groundwater polluted areas if any | Nil | |
| Polluted river stretches if any | Nil | |

a. Current Status related to Water Quality Management

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

| S. No. | Action points | Gaps and Action Plan | Responsible agency | Timeline for completion of action plan |
|-----------|---|--|-------------------------------------|---|
| 1. | Inventory of water bodies | In Mandla MPPCB/PHE monitoring cell maintain data for all major water bodies including its water quality. Gap- Nil | MPPCB/ PHE | Completed |
| 2. | Quality of water bodies in the district | Regular monitoring of water bodies is done by MPPCB on monthly basis. Gap- Nil | MPPCB | Completed |
| 3. | Hotspots of water contamination | No hotspot of water contamination. Gap-Nil | MPPCB/ULBs | Completed |
| 4 | Protection of river / lake water front | River side open defecation is fully controlled Gap-Nil | District Administration / ULB | Completed |
| 5 | Inventory of sources of water pollution | All sewage and waste water discharging points into water bodies in the district are identified Gap-Nil | ULBs | Completed |
| 6 | Oil spill disaster management (for coastal districts) | It is not coastal District. NA | N. A | N. A |
| 7 | Protection of flood plains | Protection of flood plain encroachment is not found in the district | District Administration /WRD | N. A |

| District Environment Plan of Mandla District (M.P) | | | | |
|--|------------------------------|--|-------|----------------|
| 8 | Rejuvenation of ground water | No ground water is polluted at Mandla District hence rejuvenation of ground water is not required | МРРСВ | Not Applicable |
| 9 | Complaint's redressal system | Yes, Env alert app prepared by MPPCB for addressing complaint Gap-Nil | MPPCB | Completed |

Domestic Sewage: -

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 Performa provided by CPCB the information about sewage generation, treatment, sewerage network etc. has been collected for Class-II, Class-I and above towns. Approximately 6 MLD of total domestic sewage is generated in this district. Since available Infrastructure for Sewage Treatment is inadequate for the district, therefore Mandla sewage treatment Project is under progress to cover 100% population under sewerage network.

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 | 01 |
| No of Class-I towns and above | Nil |
| No of Towns STPs installed | 01 |
| No of Towns needing STPs | 06 |
| No of ULBs having partial underground sewerage network | 01 |
| No of towns not having sewerage network | 07 |
| Total Quantity of Sewage generated in District from Class II cities and above | 7.30 MLD |
| Quantity of treated sewage flowing into Rivers (directly or indirectly) | 0.50 MLD |
| Quantity of untreated or partially treated sewage (directly or indirectly) | 6.80 MLD |
| Quantity of sewage flowing into lakes | Nil |
| Total available Treatment Capacity | 0.50MLD 21 P a g |

| S. No. | Action points | Gaps and Action Plan | Responsi ble agency | Timeline for completion of action plan |
|-----------|--|---|---------------------------|--|
| 1. | Sewage Treatm ent Plants (STPs) | Gap 75% Following STPs are required 1- Nagar Palika Mandla :-2 2- Nagar Parishad Nainpur :- 1 3- Nagar Parishad Bichiya :-1 4- Nagar Parishad Niwas :-1 5- Nagar Parishad Bamhani Banjar:-1 | Local Bodies | 05Years |
| 2 | Underground sewerage network | For laying of Underground sewerage network is proposed by ULBs Gap 50% | | 05 Years |

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

Industrial wastewater management

One industrial area is located within the District Mandla at Maneri. These clusters are regularly monitored by SPPCBs. Total Quantity of industrial wastewater generated through these units is above 1MLD from 5 units. The effluent mainly constitutes agro based, metallurgical, power plants, mining, automobile, petrol pumps etc. There is no Common Effluent Treatment Facility in the district but, zero discharge concept is followed by each unit

a. Current Status <u>related</u> to Industrial Wastewater Management

| Number of Red, Orange, Green and White industries in theDistrict | Number of Red Industries – 66 Number of Orange Industries – 15 |
|--|---|
| | Number of Green Industries -45 |
| No of Industries discharging waste water | 10 |
| Total Quantity of industrial wastewater generated | 0.90 MLD |
| Quantity of treated industrial wastewater discharged into Nalas / Rivers | Nil |
| Common Effluent Treatment Facilities | Nil |
| No of Industries meeting Standards | 10 |
| No of Industries not meeting discharge Standards | 0 |

| S. No. | Action points | Gaps and Action Plan | Responsible agency | Timeline for completion of action plan |
|--------|---|--|-----------------------|--|
| 1. | Compliance to discharge norms by Industries | Regular site visits are conducted by official of MPPCB If any violation observed like discharge and exceeding the prescribed limit MPPCB impose penalty are closure order All the waste water discharging industries meeting with the standards Gap- Nil | MPPCB | Completed |
| 2. | Complaint redressal system | One Mobile App (EnvAlert)is developed by MPPCB to registered any complaint/ suggestions and CM Helpline Gap- Nil | MPPCB | Complied |

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

Mining Activity Management plan

Mandla District has major mining activity which includes sand mine, bolder mines etc. About 300 Hectare of land is covered under mining activity. 105 mining units have been granted mining department as per MPPCB.

a. Current Status related to Mining Activity Management

| Details of Data Requirement | Existing Mining operations | |
|---|--|--|
| Type of Mining Activity | Name of mines – Sand Mining Dolomite, Stone, murram\ | |
| No of licensed Mining operations in the district | 127 | |
| %Area covered under Mining in the District | 0.038% | |
| Area of Sand Mining | 0.8309 Sq Km | |
| Area of sand Mining | River bed Banjar River, | |

| S. No. | Action points | Gaps and Action Plan | Responsibl e agency | Timeline for completion |
|-----------|--|--|------------------------|-------------------------------|
| 1. | Monitoring of Mining activity | Yes MPPCB/District Mining Department has permitted to mines for operation with compliances of Environmental Norms as mentioned in EC Gap- Nil | MPPCB | Continuous process |
| 2. | Inventory of illegal mining if any mining | Regarding illegal sand and other mining activity is in the surveillance, patrolling and enforcement through mining department. Gap- Nil | Mining Department | Complied |
| 3. | Environment compliance by Mining industry | Periodic Inspection are done to check to compliance of environmental conditions is monitored by MPPCB/ Mining department Gap- Nil | МРРСВ | Continuous process |

b. Identification of gaps and action plan:

Noise Pollution Management plan: -

Noise can be defined as unwanted or undesired sound and Noise pollution simply means when there is a lot of noise in the environment which is consequentially harms the environment and public wellbeing. Like smoking, noise pollution affects active and passive recipients when noise levels cross certain safe boundaries. Noise pollution affects both human health and behavior. The Mandla district has 01 Noise Monitoring devices/measurement meters to be delivered to Magistrate to monitor the enforcement of Noise Pollution (Regulation and Control) Rules, 2000. Monitoring is conducted regularly basis: -

a. Current Status related to Noise Pollution Management

| Details of Data Requirement | Measurable Outcome |
|--|-------------------------------------|
| No. of noise measuring devices available with various agencies in district | [MPPCB] [01 analyzers available] |

| 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 may be purchased by District Administration 2- In Smart phone the app noise monitoring may be used Gap- 10% | District Administration | 02 Year |
| 2. | Ambient Noise Level monitoring. | Noise level monitoring with the Manual meters is done 03 time in a month to check the ambient noise levels of the city Gap – Nil | Administration/ | Continuous process |
| 3. | Signboards in Noise zones | Silent Zones are notified by District Administration with the sign board in the city Gap- Nil | District Administration/ Traffic police | Completed |
| 4. | Complaint redressing system | Yes, Mobile App (EnvAlert)/ Prepared by MPPCB for addressing complaint Gap- Nil | MPPCB | Completed |

Annexure-1

| Naga | r Palika Mandla | | | | | | |
|----------------------------|---|---|--|--------------------------------|--|--|--|
| (i) Solid Waste Management | | | | | | | |
| | entification of gaps and A | | | | | | |
| 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 | | | | F | | |
| (i) | Segregation of waste at source | Thedoor-to-doorcollection -100% withsource segregation:No Gap. | 100% Seggregation at Source is being Practised by ULB. Hence Action Plan is Not Required. | Nagar Palika Mandla | Completed | | |
| 2 | Sweeping | | | | | | |
| (i) | Manual Sweeping | Gap-Nil | 100% Manual Sweeping is done by the cleanness workers of ULB | Nagar Palika Mandla | Completed | | |
| (ii) | MechanicalRoadSweeping&Collection | Not Required Gap-Nil | Not Required | Nagar Palika Mandla | N.A | | |
| 3 | Waste Collection | | | | | | |
| (i) | 100% collection of solid waste | 100% collection achieved-No Gap | 100% Waste Collection is Done by ULB on daily bases | Nagar Palika Mandla | Completed | | |
| (ii) | Arrangement for door- to-door collection | All 24 wards are covered through partially segregated door to door collection. Gap-No | 100% Door to Door Collection is done and covered all 24 Wards. | Nagar Palika Mandla | Completed | | |
| (iii) | Waste Collection trolleys with separate compartments | Gap-No | SufficientnumberofWasteCollectionTrolleys are provided forcollection of waste | Nagar Palika Mandla | Completed | | |
| (iv) | Mini Collection Trucks with separate compartments | Gap-No | mini collection trucks are with separate compartment are available | Nagar Palika Mandla | Completed | | |
| (v) | Waste Deposition centres (for domestic hazardous wastes) | Not required, Gap-No | Waste deposition centre is not required. | Nagar Palika Mandla | NA | | |
| 4 | Waste Transport | | | | | | |
| (i) | Reviewexistinginfrastructureforwaste Transport. | Gap-No | The Existing Fleet is adequate. Not required. | Nagar Palika Mandla | Completed | | |
| (ii) | Bulk Waste Trucks | Adequate, No Gap | Bulk waste truck is not required. Land fill site is located near to ULB | Nagar Palika Mandla | Completed | | |
| (iii) | Waste Transfer points | Adequate. No Gap | Waste Transfer points not required. Directly | Nagar Palika | Completed | | |

| | | | dumped and process at dump site | Mandla | |
|--------|--|---|--|---------------------------|-----------|
| 5 | Waste Treatment and Disposal | | | | |
| (i) | Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules) | Not applicable | N. A | Nagar Palika Mandla | N.A |
| ii) | Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wets waste. | Composting pits are required. Gap-100 % | composting of wet waste is to be required | Nagar Palika Mandla | 02 Years |
| (iii) | Dry-Waste Management: Material Recovery for dry-waste fraction | Adequate, No Gap | There are 1 MRF facilities installed. | Nagar Palika Mandla | Completed |
| (iv) | Disposal of inert and non- recyclable wastes: Sanitary Landfill | No sanitary landfill site available Gap- 100% | Construction of Sanitary landfill site is to be proposed | Nagar Palika Mandla | 02 Years |
| (v) | Remediation of historic / legacy dumpsite | No legacy wastes Gap- Nil | Not applicable | Nagar Palika Mandla | N. A |
| (vi) | Involvement of NGOs | Gap-50% | Involvement of NGO's is to be done. | Nagar Palika Mandla | 02 Years |
| (vii) | EPR of Producers: Linkage with Producers / Brand Owners | Gap-100% | Linkage with Producers/Brand Owners to be proposed. | Nagar Palika Mandla | 02 Years |
| (viii) | Authorisation of Waste Pickers | Local bodies is collecting the waste door to door and transporting hence N. A | N. A | Nagar Palika Mandla | N. A |
| (ix) | Preparation of own by- laws to comply with SWM Rules 2016 | Yes | Yes | Nagar Palika Mandla | Completed |

| (ii) P | (ii) Plastic waste Management | | | | | | | | |
|---------|--|-----------------------|--|-------------------------|----------------------------------|--|--|--|--|
| (b) Ide | (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 | [100%] No- Gap | 100% door to door collection being done however plan is required for 100% segregation | Palika | 03 Years | | | | |

| | | of Mandla District (M.P | | N T | 0.2 11 |
|-----------|--|---|---|---------------------------|--|
| 2 | Facilitate organised collection of PW at Waste transfer point or Material Recovery Facility | Gap-100% | Program is being organized for collection of plastic waste | Nagar Palika Mandla | 03 Years |
| 3 | PW collection Centres | Gap-100% | 01 Plastic Waste Collection centers is required. | Nagar Palika Mandla | 03 Years |
| 4 | Awareness and education programs implementation | Yes, Gap-Nil | Advertisements through social media, Newspapers, Radios and through slogans is done. | Nagar Palika Mandla | On going |
| 5 | Access to Plastic Waste Disposal Facilities | Plastic waste shall be disposed of by MRF to register plastic waste recyclers Gap- 100% | Access to plastic waste disposal faculties shall be provided | Nagar Palika Mandla | 03 Years |
| (iii) | C & D Waste Manager | | | | |
| b. Ide | entification of gaps and Ac | ction plan: | | | Timeline |
| S. No. | Action points for blocks / town municipalities / City corporations | Identification of Gaps | Action Plan | Responsible agency | for completion of action plan |
| 1 | Arrangement for separate collection of C&D waste to C&D waste deposition point. | It is small twon. The by-laws made to dispose the C&D waste in low laying area. The quantity of C&D waste is very less hence Gap is Nil | Not Applicable | Nagar Palika Mandla | N.A |
| 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 is small twon. The | Not Applicable | Nagar Palika Mandla | N.A |
| 3 | C&D recycling Facility | Not required Gap-Nil | N.A | Nagar Palika Mandla | N.A |
| 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 | N.A | Nagar Palika Mandla | N.A |
| 5 | ICE on C & D waste management | Gap- Nil it is routine process | It is routine process | Nagar Palika Mandla | Routine work |
| | | | | 28 P : | a d |



| 2.0 Ir | 2.0 Indicative Gap Analysis and Action Plans for complying with Waste Management Rules | | | | | | | |
|-----------------------|--|---|--|--------------------------------|--|--|--|--|
| (1) G | Nagar Parishad Nainpur i) Solid Waste Management | | | | | | | |
| | blid Waste Management | | | | | | | |
| b. Ide S. No. | entification of gaps and Ac Action points For villages / blocks/ town municipalities / City corporations | ition plan (MSW): 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. | 100% Seggregation at Source is being Practised by ULB. Hence Action Plan is Not Required. | Nagar Parishad Nainpur | Completed | | | |
| 2 | Sweeping | • | | | | | | |
| (i) | Manual Sweeping | Gap-Nil | 100% Manual Sweeping is done by the cleanness workers of ULB | Nagar Parishad Nainpur | Completed | | | |
| (ii) | MechanicalRoadSweeping&Collection | Not Required Gap-Nil | Not Required | Nagar Parishad Nainpur | N.A | | | |
| 3 | Waste Collection | | | | | | | |
| (i) | 100% collection of solid waste | 100% collection achieved-No Gap | 100% Waste Collection is Done by ULB on daily bases | Nagar Parishad Nainpur | Completed | | | |
| (ii) | Arrangement for door- to-door collection | All 15 wards are covered through partially segregated door to door collection. Gap-No | 100% Door to Door Collection is done and covered all 15 Wards. | Nagar Parishad Nainpur | Completed | | | |
| (iii) | Waste Collection trolleys with separate compartments | Gap-No | Sufficient number of Waste Collection Trolleys are provided for collection of waste | Nagar Parishad Nainpur | Completed | | | |
| (iv) | Mini Collection Trucks with separate compartments | Gap-No | Mini collection trucks are with separate compartment are available | Nagar Parishad Nainpur | Completed | | | |
| (v) | Waste Deposition centres (for domestic hazardous wastes) | Not required, Gap-No | Waste deposition centre is not required. | Nagar Parishad Nainpur | NA | | | |
| 4 | Waste Transport | | | | | | | |
| (i) | Reviewexistinginfrastructureforwaste Transport. | Gap-No | The Existing Fleet is adequate. Not required. | Nagar Parishad Nainpur | Completed | | | |
| (ii) | Bulk Waste Trucks | Adequate, No Gap | Bulk waste truck is not required. Land fill site is located near to ULB | Nagar Parishad Nainpur | Completed | | | |
| (iii) | Waste Transfer points | Adequate. No Gap | Waste Transfer points not required. Directly dumped and process at dump site | | Completed | | | |
| 5 | Waste Treatment and Disposal | | | 29 P a | a q | | | |

| <u>Di</u> (i) | Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules) | Not applicable | N. A | Nagar Parishad Nainpur | N.A |
|---------------|--|---|--|------------------------------|-----------|
| (ii) | Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wets waste. | Composting pits are required. Gap-100 % | composting of wet waste is to be required | Nagar Parishad Nainpur | 02 Years |
| (iii) | Dry-Waste Management: Material Recovery for dry-waste fraction | No Gap | There are 1 MRF facilities is operational | Nagar Parishad Nainpur | Completed |
| (iv) | Disposal of inert and non- recyclable wastes: Sanitary Landfill | No sanitary landfill site available Gap- 100% | Construction of Sanitary landfill site is to be proposed | Nagar Parishad Nainpur | 02 Years |
| (v) | Remediation of historic / legacy dumpsite | No legacy wastes Gap- Nil | Not applicable | Nagar Parishad Nainpur | N. A |
| (vi) | Involvement of NGOs | Gap-50% | Involvement of NGO's is to be done. | Nagar Parishad Nainpur | 02 Years |
| (vii) | EPR of Producers: Linkage with Producers / Brand Owners | Gap-100% | Linkage with Producers/Brand Owners to be proposed. | Nagar Parishad Nainpur | 02 Years |
| (viii) | Authorisation of Waste Pickers | Local bodies is collecting the waste door to door and transporting hence N. A | N. A | Nagar Parishad Nainpur | N. A |
| (ix) | Preparation of own by- laws to comply with SWM Rules 2016 | Yes | Yes | Nagar Parishad Nainpur | Completed |

| (b) Ide | (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 | [100%] No- Gap | 100% door to door collection being done however plan is required for 100% segregation | Nagar Parishad Nainpur | 03 Years | | |
| 2 | Facilitate organised collection of PW at Waste transfer point or Material Recovery Facility | Gap-100% | Program is being organized for collection of plastic waste | Nagar Parishad Nainpur | 03 Years | | |
| 3 | PW collection Centres | Gap-100% | 01 Plastic Waste Collection centers is required. | Nagar Parishad Nainpur | 03 Years | | |
| 4 | Awareness and | Yes, Gap-Nil | Advertisements through | Nagar 30 P a | On going | | |

| Di | istrict Environment Plan | of Mandla District (M.P |) | | |
|----|--------------------------|-------------------------|-----------------------------|----------|----------|
| | education programs | | social media, | Parishad | |
| | implementation | | Newspapers, and Radios | Nainpur | |
| | | | and through slogans are | | |
| | | | done. | | |
| 5 | Access to Plastic Waste | Plastic waste shall be | Access to plastic waste | Nagar | 03 Years |
| | Disposal Facilities | disposed of by MRF | disposal faculties shall be | Parishad | |
| | - | to register plastic | provided | Nainpur | |
| | | waste recyclers | _ | _ | |
| | | Gap-100% | | | |

(iii) C & D Waste Management **b.** Identification of gaps and Action plan: Timeline points Action for for S. blocks town Identification Responsible 1 of Action Plan completion No. municipalities / City agency Gaps of action corporations plan 1 Arrangement for It is small twon. The Not Applicable Nagar N.A separate collection of by-laws made Parishad to Nainpur C&D waste to C&D dispose the C&D waste deposition point. waste in low laying area. The quantity of C&D waste is very less hence Gap is Nil Whether local authority It is small twon. The N.A 2 Not Applicable Nagar Parishad have fixed user fee on by-laws made to Nainpur C&D waste dispose the C&D and introduced permission waste in low laying system for bulk waste area. The quantity of C&D waste is very generators who generate more than 20 less hence Gap is Nil tons or more in one day or 300 tons per project in a month? Not required Gap-Nil 3 C&D recycling Facility N.A N.A Nagar Parishad Nainpur 4 Usage of recycled C&D Not required Gap-Nil N.A Nagar N.A Parishad waste in non- structural

It is routine process

concrete.

5

and rural roads

management

blocks, lower layers of road pavements, colony

ICE on C & D waste

paving

Gap- Nil it is routine

process

Routine

work

Nainpur

Nagar

Parishad

Nainpur

Annexure-3

| 2.0 Ir | .0 Indicative Gap Analysis and Action Plans for complying with Waste Management Rules | | | | | | | |
|---------------------|---|---|--|-------------------------------|--|--|--|--|
| | Nagar Parishad Bichhiya i) Solid Waste Management | | | | | | | |
| | entification of gaps and A | | | | | | | |
| 5. 100 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 | | | | ріан | | | |
| (i) | Segregation of waste at source | The door-to-door collection -100% with source segregation: No Gap. | 100% Seggregation at Source is being Practised by ULB. Hence Action Plan is Not Required. | Nagar Parishad Bichhiya | Completed | | | |
| 2 | Sweeping | | | | | | | |
| (i) | Manual Sweeping | Gap-Nil | 100% Manual Sweeping is done by the cleanness workers of ULB | Nagar Parishad Bichhiya | Completed | | | |
| (ii) | MechanicalRoadSweeping&Collection | Not Required Gap-Nil | Not Required | Nagar Parishad Bichhiya | N.A | | | |
| 3 | Waste Collection | | | | | | | |
| (i) | 100% collection of solid waste | 100% collection achieved-No Gap | 100% Waste Collection is Done by ULB on daily bases | Nagar Parishad Bichhiya | Completed | | | |
| (ii) | Arrangement for door- to-door collection | All 15 wards are covered through partially segregated door to door collection. Gap-No | 100% Door to Door Collection is done and covered all 15 Wards. | Nagar Parishad Bichhiya | Completed | | | |
| (iii) | Waste Collection trolleys with separate compartments | Gap-No | Sufficient number of Waste Collection Trolleys are provided for collection of waste | Nagar Parishad Bichhiya | Completed | | | |
| (iv) | Mini Collection Trucks with separate compartments | Gap-No | Mini collection trucks are with separate compartment are available | Nagar Parishad Bichhiya | Completed | | | |
| (v) | Waste Deposition centres (for domestic hazardous wastes) | Not required, Gap-No | Waste deposition centre is not required. | Nagar Parishad Bichhiya | NA | | | |
| 4 | Waste Transport | | | | | | | |
| (i) | Reviewexistinginfrastructureforwaste Transport. | Gap-No | The Existing Fleet is adequate. Not required. | Nagar Parishad Bichhiya | Completed | | | |
| (ii) | Bulk Waste Trucks | Adequate, No Gap | Bulk waste truck is not required. Land fill site is located near to ULB | Nagar Parishad Bichhiya | Completed | | | |
| (iii) | Waste Transfer points | Adequate. No Gap | Waste Transfer points not required. Directly dumped and process at dump site | Nagar Parishad Bichhiya | Completed | | | |
| 5 | Waste Treatment and | | | 32 P a | a g | | | |

| Di | Disposal | | | | |
|--------|--|---|--|-------------------------------|-----------|
| (i) | Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules) | Not applicable | N. A | Nagar Parishad Bichhiya | N.A |
| (ii) | Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wets waste. | Composting pits are required. Gap-100 % | composting of wet waste is to be required | Nagar Parishad Bichhiya | 02 Years |
| (iii) | Dry-Waste Management: Material Recovery for dry-waste fraction | Gap- 100% | There are 1 MRF facilities is required | Nagar Parishad Bichhiya | 02 Years |
| (iv) | Disposal of inert and non- recyclable wastes: Sanitary Landfill | No sanitary landfill site available Gap- 100% | Construction of Sanitary landfill site is to be proposed | Nagar Parishad Bichhiya | 02 Years |
| (v) | Remediation of historic / legacy dumpsite | No legacy wastes Gap- Nil | Not applicable | Nagar Parishad Bichhiya | N. A |
| (vi) | Involvement of NGOs | Gap-50% | Involvement of NGO's is to be done. | Nagar Parishad Bichhiya | 02 Years |
| (vii) | EPR of Producers: Linkage with Producers / Brand Owners | Gap-100% | Linkage with Producers/Brand Owners to be proposed. | Nagar Parishad Bichhiya | 02 Years |
| (viii) | Authorisation of Waste Pickers | Local bodies is collecting the waste door to door and transporting hence N. A | N. A | Nagar Parishad Bichhiya | N. A |
| (ix) | Preparation of own by- laws to comply with SWM Rules 2016 | Yes | Yes | Nagar Parishad Bichhiya | Completed |

| 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 | [100%] | 100% door to door | Nagar | 03 Years |
| | of dry waste including | No- Gap | collection being done | Parishad | |
| | PW | _ | however plan is required | Bichhiya | |
| | | | for 100% segregation | | |
| 2 | Facilitate organised | Gap-100% | Program is being | Nagar | 03 Years |
| | collection of PW at | _ | organized for collection | Parishad | |
| | Waste transfer point or | | of plastic waste | Bichhiya | |
| | Material Recovery | | _ | | |
| | Facility | | | | |

| 3 3 | District Environment Plan PW collection Centres | of Mandla District (M.P Gap-100% |) 01 Plastic Waste Collection centers is required. | Nagar Parishad Bichhiya | 03 Years |
|--------|---|--|---|-------------------------------|----------|
| 4 | Awareness and education programs implementation | Yes, Gap-Nil | Advertisements through social media, Newspapers, and Radios and through slogans are done. | Nagar Parishad Bichhiya | On going |
| 5 | Access to Plastic Waste Disposal Facilities | Plastic waste shall be disposed of by MRF to register plastic waste recyclers Gap-100% | Access to plastic waste disposal faculties shall be provided | Nagar Parishad Bichhiya | 03 Years |

(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 is small twon. The by-laws made to dispose the C&D waste in low laying area. The quantity of C&D waste is very less hence Gap is Nil | Not Applicable | Nagar Parishad Bichhiya | N.A |
| 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 is small twon. The by-laws made to dispose the C&D waste in low laying area. The quantity of C&D waste is very less hence Gap is Nil | Not Applicable | Nagar Parishad Bichhiya | N.A |
| 3 | C&D recycling Facility | Not required Gap-Nil | N.A | Nagar Parishad Bichhiya | N.A |
| 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 | N.A | Nagar Parishad Bichhiya | N.A |
| 5 | ICE on C & D waste management | Gap- Nil it is routine process | It is routine process | Nagar Parishad Bichhiya | Routine work |

Annexure-4

| 2.0 Ir | 2.0 Indicative Gap Analysis and Action Plans for complying with Waste Management Rules | | | | | | | |
|---------------------|--|---|--|----------------------------|--|--|--|--|
| (h) G | | 0 | shad Niwas | | | | | |
| | lid Waste Management | | | | | | | |
| b. Ide S. No. | antification of gaps and AdAction points Forvillages / blocks/ townmunicipalities / Citycorporations | | Action Plan | Responsible agencies | Timeline for completion of action plan | | | |
| 1 | Segregation | | | | pian | | | |
| (i) | Segregation of waste at source | The door-to-door collection -100% with source segregation: No Gap. | 100% Seggregation at Source is being Practised by ULB. Hence Action Plan is Not Required. | Nagar Parishad Niwas | Completed | | | |
| 2 | Sweeping | | | | | | | |
| (i) | Manual Sweeping | Gap-Nil | 100% Manual Sweeping is done by the cleanness workers of ULB | Nagar Parishad Niwas | Completed | | | |
| (ii) | MechanicalRoadSweeping&Collection | Not Required Gap-Nil | Not Required | Nagar Parishad Niwas | N.A | | | |
| 3 | Waste Collection | | | | | | | |
| (i) | 100% collection of solid waste | 100% collection achieved-No Gap | 100% Waste Collection is Done by ULB on daily bases | Nagar Parishad Niwas | Completed | | | |
| (ii) | Arrangement for door- to-door collection | All 15 wards are covered through partially segregated door to door collection. Gap-No | 100% Door to Door Collection is done and covered all 15 Wards. | Nagar Parishad Niwas | Completed | | | |
| (iii) | Waste Collection trolleys with separate compartments | Gap-No | Sufficient number of Waste Collection Trolleys are provided for collection of waste | Nagar Parishad Niwas | Completed | | | |
| (iv) | Mini Collection Trucks with separate compartments | Gap-No | Mini collection trucks are with separate compartment are available | Nagar Parishad Niwas | Completed | | | |
| (v) | Waste Deposition centres (for domestic hazardous wastes) | Not required, Gap-No | Waste deposition centre is not required. | Nagar Parishad Niwas | NA | | | |
| <u>4</u> | Waste Transport | C N | | N | $C \rightarrow 1 + 1$ | | | |
| (i) | Reviewexistinginfrastructureforwaste Transport. | Gap-No | The Existing Fleet is adequate. Not required. | Nagar Parishad Niwas | Completed | | | |
| (ii) | Bulk Waste Trucks | Adequate, No Gap | Bulk waste truck is not required. Land fill site is located near to ULB | Nagar Parishad Niwas | Completed | | | |
| (iii) | Waste Transfer points | Adequate. No Gap | Waste Transfer points not required. Directly dumped and process at dump site | Nagar Parishad Niwas | Completed | | | |
| 5 | Waste Treatment and | | | | | | | |
| | • | • | • | 35 P a | a g | | | |

| | strict Environment Plan (Disposal | | | | |
|--------|--|---|--|----------------------------|-----------|
| (i) | Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules) | Not applicable | N. A | Nagar Parishad Niwas | N.A |
| (ii) | Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wets waste. | Composting pits are required. Gap-100 % | composting of wet waste is to be required | Nagar Parishad Niwas | 02 Years |
| (iii) | Dry-Waste Management: Material Recovery for dry-waste fraction | No Gap | There are 1 MRF facilities is operational | Nagar Parishad Niwas | Completed |
| (iv) | Disposal of inert and non- recyclable wastes: Sanitary Landfill | No sanitary landfill site available Gap- 100% | Construction of Sanitary landfill site is to be proposed | Nagar Parishad Niwas | 02 Years |
| (v) | Remediation of historic / legacy dumpsite | No legacy wastes Gap- Nil | Not applicable | Nagar Parishad Niwas | N. A |
| (vi) | Involvement of NGOs | Gap-50% | Involvement of NGO's is to be done. | Nagar Parishad Niwas | 02 Years |
| (vii) | EPR of Producers: Linkage with Producers / Brand Owners | Gap-100% | Linkage with Producers/Brand Owners to be proposed. | Nagar Parishad Niwas | 02 Years |
| (viii) | Authorisation of Waste Pickers | Local bodies is collecting the waste door to door and transporting hence N. A | N. A | Nagar Parishad Niwas | N. A |
| (ix) | Preparation of own by- laws to comply with SWM Rules 2016 | Yes | Yes | Nagar Parishad Niwas | Completed |

| (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 | [100%] No- Gap | 100% door to door collection being done however plan is required for 100% segregation | Nagar Parishad Niwas | 03 Years |
| 2 | Facilitate organised collection of PW at Waste transfer point or Material Recovery Facility | Gap-100% | Program is being organized for collection of plastic waste | Nagar Parishad Niwas | 03 Years |
| 3 | PW collection Centres | Gap-100% | 01 Plastic Waste Collection centers is | | 03 Years |

| Di | istrict Environment Plan | of Mandla District (M.P |) required. | Niwas | |
|----|---|---|---|----------------------------|----------|
| 4 | Awareness and education programs implementation | Yes, Gap-Nil | Advertisements through social media, Newspapers, and Radios and through slogans are done. | Nagar Parishad Niwas | On going |
| 5 | Access to Plastic Waste Disposal Facilities | Plastic waste shall be dispose of by MRF to register plastic waste recyclers Gap-100% | disposal faculties shall be | Nagar Parishad Niwas | 03 Years |

(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 is small twon. The by-laws made to dispose the C&D waste in low laying area. The quantity of C&D waste is very less hence Gap is Nil | Not Applicable | Nagar Parishad Niwas | N.A |
| 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 is small twon. The by-laws made to dispose the C&D waste in low laying area. The quantity of C&D waste is very less hence Gap is Nil | Not Applicable | Nagar Parishad Niwas | N.A |
| 3 | C&D recycling Facility | Not required Gap-Nil | N.A | Nagar Parishad Niwas | N.A |
| 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 | N.A | Nagar Parishad Niwas | N.A |
| 5 | ICE on C & D waste management | Gap- Nil it is routine process | It is routine process | Nagar Parishad Niwas | Routine work |

Annexure-5

| 2.0 In | 2.0 Indicative Gap Analysis and Action Plans for complying with Waste Management Rules | | | | | | |
|----------------------------|--|---|---|---------------------------------|--|--|--|
| (') C | 1.1 227 4 2 4 | | l Bhamni Banjar | | | | |
| | olid Waste Management entification of gaps and A | | | | | | |
| <u>b. 100</u> S. No. | Action points For villages / blocks/ town municipalities / City corporations | | Action Plan | Responsible agencies | Timeline for completion of action plan | | |
| 1 | Segregation | | | | pian | | |
| (i) | Segregation of waste at source | The door-to-door collection -100% with source segregation: No Gap. | 100% Seggregation at Source is being Practised by ULB. Hence Action Plan is Not Required. | Nagar Parishad Bhamni Banjar | Completed | | |
| 2 | Sweeping | | | | | | |
| (i) | Manual Sweeping | Gap-Nil | 100% Manual Sweeping is done by the cleanness workers of ULB | Nagar Parishad Bhamni Banjar | Completed | | |
| (ii) | MechanicalRoadSweeping&Collection | Not Required Gap-Nil | Not Required | Nagar Parishad Bhamni Banjar | N.A | | |
| 3 | Waste Collection | | | | | | |
| (i) | 100% collection of solid waste | 100% collection achieved-No Gap | 100% Waste Collection is Done by ULB on daily bases | Nagar Parishad Bhamni Banjar | Completed | | |
| (ii) | Arrangement for door- to-door collection | All 15 wards are covered through partially segregated door to door collection. Gap-No | | Nagar Parishad Bhamni Banjar | Completed | | |
| (iii) | Waste Collection trolleys with separate compartments | Gap-No | Sufficient number of Waste Collection Trolleys are provided for collection of waste | Nagar Parishad Bhamni Banjar | Completed | | |
| (iv) | Mini Collection Trucks with separate compartments | Gap-No | Mini collection trucks are with separate compartment are available | Nagar Parishad Bhamni Banjar | Completed | | |
| (v) | Waste Deposition centres (for domestic hazardous wastes) | Not required, Gap-No | Waste deposition centre is not required. | Nagar Parishad Bhamni Banjar | NA | | |
| 4 | Waste Transport | | | | | | |
| (i) | Review existing infrastructure for waste Transport. | Gap-No | The Existing Fleet is adequate. Not required. | Nagar Parishad Bhamni Banjar | Completed | | |
| (ii) | Bulk Waste Trucks | Adequate, No Gap | Bulk waste truck is not required. Land fill site is located near to ULB | Nagar Parishad Bhamni Banjar | Completed | | |
| (iii) | Waste Transfer points | Adequate. No Gap | Waste Transfer points not required. Directly dumped and process at dump site | Nagar Parishad Bhamni Banjar | Completed | | |
| 5 | Waste Treatment and Disposal | | | 38 P a | | | |

| (i) | strict Environment Plan Wet-waste | Not applicable | N. A | Nagar Parishad | N.A |
|---------|---|---|---|---------------------------------|----------------------------------|
| (1) | Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules) | | N.A | Bhamni Banjar | N.A |
| (ii) | Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wets waste. | Composting pits are required. Gap-100 % | composting of wet waste is to be required | Nagar Parishad Bhamni Banjar | 02 Years |
| (iii) | Dry-Waste Management: Material Recovery for dry-waste fraction | Gap- 100% | There are 1 MRF facilities is required | Nagar Parishad Bhamni Banjar | 02 Years |
| (iv) | Disposal of inert and non- recyclable wastes: Sanitary Landfill | No sanitary landfill site available Gap- 100% | Construction of Sanitary landfill site is to be proposed | Nagar Parishad Bhamni Banjar | 02 Years |
| (v) | Remediation of historic / legacy dumpsite | No legacy wastes Gap- Nil | Not applicable | Nagar Parishad Bhamni Banjar | N. A |
| (vi) | Involvement of NGOs | Gap-50% | Involvement of NGO's is to be done. | Nagar Parishad Bhamni Banjar | 02 Years |
| (vii) | EPR of Producers: Linkage with Producers / Brand Owners | Gap-100% | Linkage with Producers/Brand Owners to be proposed. | Nagar Parishad Bhamni Banjar | 02 Years |
| (viii) | Authorisation of Waste Pickers | Local bodies is collecting the waste door to door and transporting hence N. A | N. A | Nagar Parishad Bhamni Banjar | N. A |
| (ix) | Preparation of own by- laws to comply with SWM Rules 2016 | Yes | Yes | Nagar Parishad Bhamni Banjar | Completed |
| | lastic waste Manageme | | | | |
| (b) Ide | entification of gaps and A | ction plan (Plastic Was | te) | | |
| 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%] Gap -Nil | 100% door to door collection being done however plan is required for 100% segregation | Nagar Parishad Bhamni Banjar | 03 Years |
| | Facilitate organized collection of PW at | Gap-100% | Program is being organized for collection of plastic waste | Nagar Parishad Bhamni Banjar | 03 Years |
| 2 | Waste transfer point or Material Recovery Facility | | | | |
| 2 3 | Waste transfer point or Material Recovery | Gap-100% | 01 Plastic Waste Collection centers is required. | Nagar Parishad Bhamni Banjar | 03 Years |

| D | District Environment Plan of Mandla District (M.P) | | | | | | |
|---|--|--------------------|---|---------------|----------|--|--|
| | education programs implementation | Gap-Nil | social media, Newspapers, and Radios and through slogans are done. | Bhamni Banjar | | | |
| 5 | Access to Plastic Waste Disposal Facilities | disposed of by MRF | Ĩ | U | 03 Years | | |

(iii) C & D Waste Management b. Identification of gaps and Action plan: Timeline points Action for for S. blocks town Identification Responsible 1 of Action Plan completion No. municipalities / City agency Gaps action of corporations plan 1 Arrangement for It is small twon. The Not Applicable Nagar Parishad N.A Bhamni Banjar separate collection of by-laws made to C&D waste to C&D dispose the C&D waste deposition point. waste in low laying area. The quantity of C&D waste is very less hence Gap is Nil Whether It is small twon. The Not Applicable Nagar Parishad N.A 2 local authority have fixed by-laws made Bhamni Banjar to user fee on C&D waste dispose the C&D and introduced waste in low laying area. The quantity of permission system for C&D waste is very bulk waste generators who generate more less hence than 20 tons or more in Gap is Nil one day or 300 tons per project in a month? 3 Not required N.A N.A C&D recycling Facility Nagar Parishad Gap-Nil Bhamni Banjar Nagar Parishad 4 recycled Not required N.A N.A Usage of C&D waste in non-Bhamni Banjar structural concrete, paving blocks, lower Gap-Nil layers of road pavements, colony and rural roads 5 ICE on C & D waste Gap- Nil it is routine Nagar Parishad Routine It is routine process Bhamni Banjar work management process