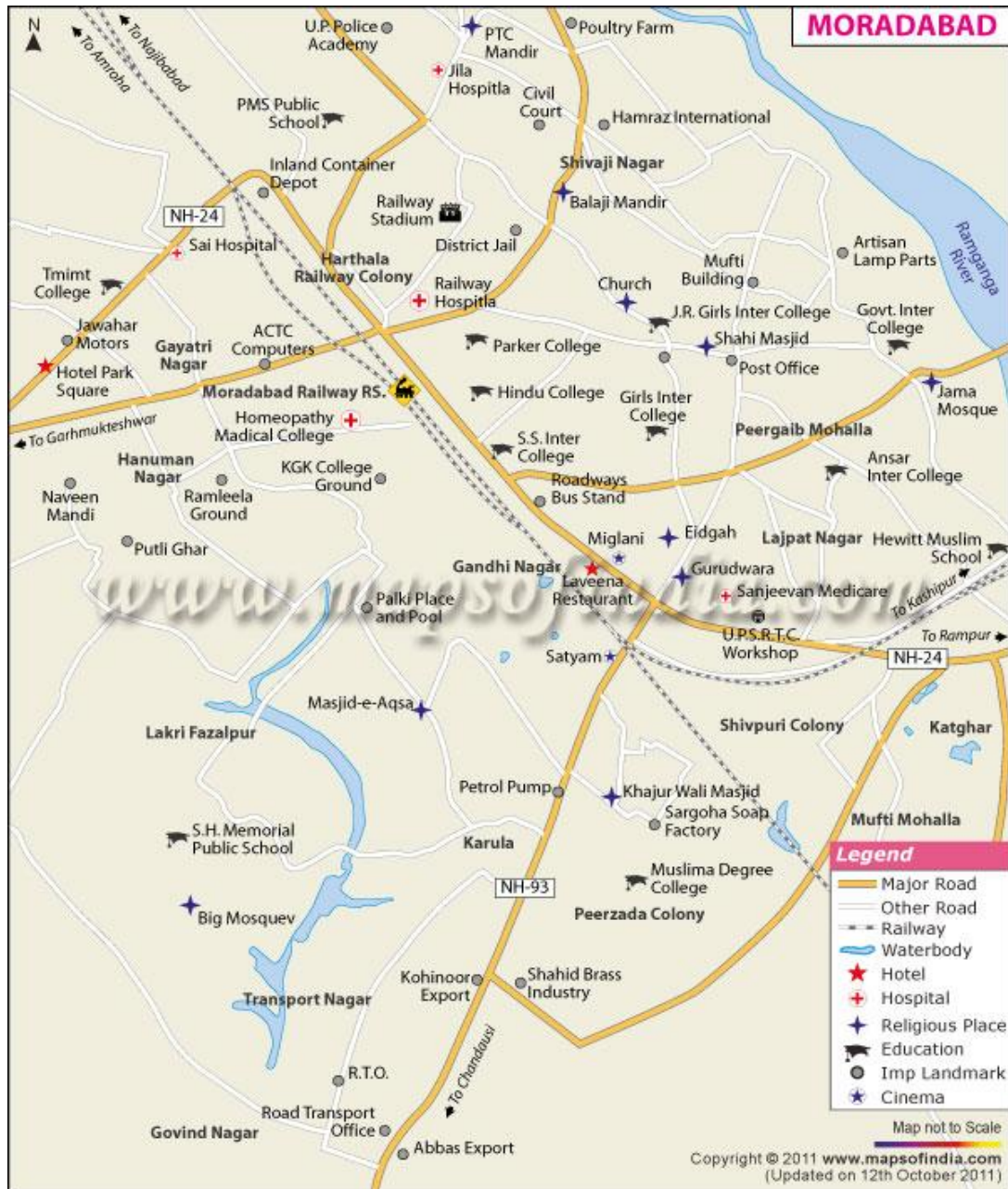


District Environment Plan for Moradabad Uttar Pradesh State



**COLECTORATE-MORADABAD
DISTRICT -MORADABAD(U.P.)
E-MAIL:-dmmor@nic.in**

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1.0 District Profile

History

Moradabad is a city in Uttar Pradesh state of India. It was established in 1600 by Murad, the son of the Mughal Emperor Shahjahan; as a result the city came to known as Moradabad. It is the administrative headquarters of Moradabad District. Moradabad is situated at a distance of 167 km (104 miles) from the national capital, New Delhi, at the bank of River Ram Ganga (a tributary to the great Ganges). The city is famous for its huge export of brass handicrafts to North America and Europe, and is also thus called 'Brass City' or Peetal Nagri (in the local language). It has close to four million citizens of various ethnicities and religions.

Main Occupation-

Moradabad is renowned for brass work and has carved a niche for itself in the handicraft industry throughout the world. The modern, attractive, and artistic brass ware, jewellery and trophies made by skilled artisans are the main crafts. The attractive brasswares are exported to countries like USA, Britain, Canada, Germany and Middle East Asia.

Recently other products like Iron Sheet Metal Arts ware, Aluminium Artworks and Glassware's have also been included as per need of the foreign Buyers. Mentha is also exported in several crores from Moradabad. These products are very popular in foreign market and are being exported in thousand of crores every year. Due to increase of exports and popularity in foreign specially in Europe, America, Italy and other countries, a large No. of exporters are establishing their units and started their export. Out of the seven industrial corridors declared by the State Govt. in Industrial Policy 1999-2002, Moradabad is one of them.

Area & Geography

This city is situated in western U.P. between 28°-21' to 28°-16' Latitude North and 78°- 4' to 79 Longitude East. Presently it is an Administrative, Industrial and Commercial city. After the establishment of Divisional Commissioner Office, its importance and status has further been elevated. This city lies on National Highway 24 from traffic and transport point of view and is a main Railway Station, also Divisional Headquarters of Northern Railways, on HAWRA & AMRITSER main line. It is very well connected with main cities like DELHI, LUCKNOW, INDORE, PATNA, HARIDWAR, etc. by Rail and Road transport. Ramganga River flows in the north east and Gangan River is there in south west of the city.

The MoEF&CC and CPCB has identified the non-attainment cities mostly in Indo-Gangetic Plains based on ambient air quality data for the period 2011 – 2015 and WHO report 2014/2018. However, many of cities in India, including state capital, have similar problems of outdoor air pollution. Moradabad is one of the largest urban agglomerations in the National Capital Region has been identified as a NAC with the objective of evolving an

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action plan having action points with specific timelines based upon scientific inputs time bound actions and its effective implementation in order to bring down the pollution levels in the city. <https://cpcb.nic.in/approved-city-action-plans/>

In 2009, the Ministry of Environment & Forests (MoEF), Govt. of India in association with Central Pollution Control Board (CPCB), New Delhi and Indian Institute of Technology (IIT), New Delhi have carried out an environmental assessment of industrial clusters across the country named "Comprehensive Environmental Pollution Index" (CEPI) with the aim of identifying polluted industrial clusters & prioritizing planning needs for intervention to improve the quality of environment in these industrial clusters and the nation as a whole. Moradabad city have Polluted Industrial Areas (PIAs). <https://cpcb.nic.in/new-cepi-action-plan/>

a. District Administrative Set-up-

Administration:

Moradabad district is one of the districts of Uttar Pradesh, India. Moradabad is the district headquarters. Moradabad district is a part of Moradabad division.

Functions of District Magistrate / Collector:

District is the main unit of the state. The District Magistrate/Collector is the administrator of the district. The most important work of the district magistrate is to maintain law and order, various rules and implementation of various govt. orders. Being a top administrator of the district, he directly orders the police department whenever required. He is also responsible to maintain peace and justice in the district.

For planning purpose district is divided into Blocks. There are Eight (08) blocks in district Moradabad, Block Development Officer is the in-charge of the block. B.D.O. monitors the implementation of all the programs related to planning and development of the blocks. To make the co-ordination in the development work and for implementation of various schemes at various blocks, there is an officer i.e., Chief Development Officer.

To maintain the general administration of the district there is one additional district magistrate and four sub-divisional magistrates for the assistance of district magistrate.

District administrator-

| Sr. No. | Name | Designation |
|---------|----------------------|---------------------------------|
| 1 | Shri Aunjaneya Kumar | Commissioner Moradabad Division |

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| | | |
|----|----------------------------------|---|
| | Singh, IAS | |
| 2 | Shri Shailendra Kumar Singh, IAS | District Magistrate |
| 3 | Shri Anand Vardhan, IAS | Chief Development Officer |
| 4 | Ms. Yashu Rustagi, IAS | Vice Chairman MDA |
| 5 | Shri Sarvesh Kumar Gupta | Secretary, MDA |
| 6 | Shri Sanjay Chauhan | Nagar Aayukt |
| 7 | Shri Surendra Singh | Additional District Magistrate– Executive |
| 8 | Smt. Preeti Jaiswal | Additional District Magistrate– Finance / Revenue |
| 9 | Shri Alok Kumar Verma | Additional District Magistrate – City |
| 10 | Shri Mahendra Pal Singh | City Magistrate |
| 11 | Shri Rajesh Singh | Additional City Magistrate – 1 |
| 12 | Shri Prabuddha Singh | Additional City Magistrate – 2 |
| 13 | Shri Brajesh kumar Tripathi | Additional SDM/ Deputy Collector |
| 14 | Smt. Prashant Tiwari | SDM,Sadar |
| 15 | Shri Nitin Tevatiya | Tehsildar Sadar |
| 16 | Shri Prabuddh Singh | SDM , Bilari |
| 17 | Smt. Prabha Singh | Tehsildar Bilari |
| 18 | Shri. Parmanand Singh | SDM , Thakurdwara |
| 19 | Shri Dharmendra Kumar Singh | Tehsildar Thakurdwara |
| 20 | Shri Himanshu Verma | SDM Kanth |

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|----|-----------------------|-----------------|
| 21 | Smt. Vibha Srivastava | Tehsildar Kanth |
|----|-----------------------|-----------------|

Subdivisions & Blocks –

| S.NO | Sub-Division/Tehsil | Block |
|------|---------------------|-----------------|
| 1 | Moradabad | Moradabad |
| | | Mundapandey |
| | | Bhagatpur Tanda |
| 2 | Bilari | Bilari |
| | | Kundarki |
| 3 | Kanth | Chajlet |
| 4 | Thakurdwara | Thakurdwara, |
| | | Dilari |

Tehsil Wise Villages –

| S.No | Tehsil Name | Total Number of Villages |
|------|-------------|--------------------------|
| 1 | Moradabad | 355 |
| 2 | Bilari | 341 |
| 3 | Kanth | 201 |
| 4 | Thakurdwara | 313 |

Nagar Nigam, Nagar Palika and Nagar Panchyat

| S.No. | Location | Nagar Nigam/Nagar Palika/Panchyat |
|-------|-------------|-----------------------------------|
| 1 | Moradabad | Nagar Nigam |
| 2 | Thakurdwara | Nagar Palika |

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| | | |
|----|-------------------|----------------|
| 3 | Bilari | Nagar Palika |
| 4 | Dhakia | Nagar Panchyat |
| 5 | Bhojpur Dharampur | Nagar Panchyat |
| 6 | Agwanpur | Nagar Panchyat |
| 7 | Kanth | Nagar Panchyat |
| 8 | Umri Kalan | Nagar Panchyat |
| 9 | Kumadarki | Nagar Panchyat |
| 10 | Pakbara | Nagar Panchyat |

There are 584 Panchayats & 1210 Villages in District Moradabad.

b. Local institutions

Schools in Moradabad, whether using English or Hindi as a medium of instruction, are affiliated to any of the four bodies, Central Board of Secondary Education (C.B.S.E.), Council for the Indian School Certificate Examinations (C.I.S.C.E), University of Cambridge International Examinations and Uttar Pradesh Madhyamik Shiksha Parishad (U.P. Board).

c. Natural Resource -

• Water bodies

Ramganga River is the main river of the District and Gagan, Dhela are rainy rivers which ultimately meet in Ramganga.

▪ Availability of water resources

The main availability of the water resource is ground water. As per the CGWA ground water survey report 2017, the 2 blocks namely, Bilari and Dilari are notified under the overexploit zone.

- **Forest coverage**

The forest area of the district is about 183169 hectares.

d. Geography & Demography

According to the 2011 census Moradabad city has a population of 887,871. The population of Moradabad District was 4,772,006, roughly equal to the nation of Singapore or the US state of Alabama. It is the second most populated district in the state of Uttar Pradesh. This gives it a ranking of 26th in India (out of a total of 640) The district has a population density of 1,284 inhabitants per square kilometre (3,330/sq mi). Its population growth rate over the decade 2001-2011 was 25.25%.

In 2011 a new district named Sambhal district was formed with two sub districts of Moradabad district. The rest of Moradabad district has a population of 3,126,507.

Moradabad has a sex ratio of 903 females for every 1000 males, and a literacy rate of 58.67%.

| Description | Rural | Urban |
|------------------------|-----------|-----------|
| Population (%) | 67.02 % | 32.98 % |
| Total Population | 3,198,383 | 1,573,623 |
| Male Population | 1,680,022 | 823,164 |
| Female Population | 1,518,361 | 750,459 |
| Sex Ratio | 904 | 912 |
| Child Sex Ratio (0-6) | 916 | 917 |
| Child Population (0-6) | 562,904 | 221,315 |
| Male Child (0-6) | 293,864 | 115,461 |

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| Description | Rural | Urban |
|-------------------------|-----------|---------|
| Female Child (0-6) | 269,040 | 105,854 |
| Child Percentage (0-6) | 17.60 % | 14.06 % |
| Male Child Percentage | 17.49 % | 14.03 % |
| Female Child Percentage | 17.72 % | 14.11 % |
| Literates | 1,407,142 | 856,706 |
| Male Literates | 879,994 | 477,441 |
| Female Literates | 527,148 | 379,265 |
| Average Literacy | 53.39 % | 63.35 % |
| Male Literacy | 63.48 % | 67.46 % |
| Female Literacy | 42.19 % | 58.84 % |

e. Land-use pattern

The forest area of the district is about 183169 hectares. The detail of agricultural and irrigated area is given below:-

| Number of Tehsils | Total Number of Village | Total Area (In Sq. Km.) | Net Agricultural Land (In Hec.) | Net Irrigated Area (In Hec.) |
|-------------------|-------------------------|-------------------------|---------------------------------|------------------------------|
| 4 | 1210 | 4561 | 310990 | 279891 |

f. Climate -

Moradabad has a hot climate for most of the year. The average summer temperatures range from 25° C to 46° C, May and June being the hottest months. The monsoon extends from July-September, bringing an average rainfall of 967 mm. winters last from November to February-March. Cold waves from the Himalayan region make the winters in Moradabad very chilly. Temperatures fall as low as 3° to 4°C at the peak of winter.

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 | No of Households | Population | Solid WasteGenerated Tones per day |
|-------|--|-------------|------------------|-------------------------------|------------------------------------|
| 1 | Municipal corporations (Nagar Nigam or Mahanagar Palika) | 70 | 129926 | 887871 (as per censuses 2011) | 372 |
| 2 | Municipalities (Nagar Palikas): 02 | 50 | - | 81822 | 32.73 |
| 3 | Nagar panchayats (Town area Councils): 07 | 58 | - | 165168 | 71.21 |

| S.No. | Local Bodies | No of Village Panchayats / Blocks | No of Households | Population | Solid WasteGenerated per day |
|-------|-------------------------------|-----------------------------------|------------------|------------|------------------------------|
| 1 | Block /Taluk / Mandal Tehsils | 584 | - | 1573623 | 160 TPD |

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|---|-------------------------|------|---|---------|---------|
| 2 | Village/Gram Panchayats | 1210 | - | 3198383 | 300 TPD |
|---|-------------------------|------|---|---------|---------|

b. Identification of gaps and Action plan:

| 1. | Segregation | | | | | | |
|--------|---|--|---|---------------------|--|----------------------|--|
| S. No. | Action points For villages / blocks/town municipalities / City corporations | Identification of gap | Action Plan | | | Responsible agencies | Timeline for completion of action plan |
| | | | Action Point | Budget Required | Budget Available | | |
| (i) | Segregation of waste at source | Existing:-31% Total Ward=178 Rest Ward to be a Completed , Professional NGO's are being Engaged by Municipal Corporation for I.E.C Activities to enhance Source Segregation in the wards and To be Completed | Action plan to achieve segregation at source. Awareness programs, incentives, etc. may be | 132 Lac Annually | 52 Lac For 01 Year Only MNN Have | ULB | DEC 2024 |

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|--|--|--|------------|--|--|--|--|
| | | | Considered | | | | |
|--|--|--|------------|--|--|--|--|

| 2. Sweeping | | | | | | | |
|-------------|--|-----------------------|--|-----------------|------------------|----------------------|--|
| S. No. | Action points For villages / blocks/ town municipalities / City corporations | Identification of gap | Action Plan | | | Responsible agencies | Timeline for completion of action plan |
| | | | Action Point | Budget Required | Budget Available | | |
| (i) | Manual Sweeping Moradabad | No Gap | Regular Activity 02 Times in a day Regular Manual Sweeping/Cleaning Done in Residential and Commercial area of the all ULB Practiced in the ULB Limit. | | | ULB | Comply |
| (ii) | Mechanical Road Sweeping & | No Gap | Mechanized Sweeping is being Practiced Since Dec 2018 by Nagar Nigam Moradabad and Covered the 74 Km | | | ULB | Comply |

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| | Collection | | Major Road Stretch along Delhi Road and Haridwar Road. The ULB having Major Road are Toll Road's, the Concenaire is responsible for mechanized sweeping he has already doing mechanized sweeping on Regular basis . | | | | |
|-----------|--|-----------------------|---|-----------------|------------------|----------------------|--|
| 3. | Waste Collection | | | | | | |
| S. No. | Action points For villages / blocks/ town municipalities / City Corporations | Identification of gap | Action Plan | | | Responsible agencies | Timeline for completion of action plan |
| | | | Action Point | Budget Required | Budget Available | | |
| (i) | 100% collection of solid waste | No Gap | The Waste Generation is 372 TPD in Moradabad City and 160 Tpd Other Nagar Palika and Panchayat and Secondary Transportation of collected waste is being done on regular | | | ULB | Comply |

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|-------|--|--------|---|--|--|-------|--------|
| | | | basis in all 178 Ward of Municipal Corporation. | | | | |
| (ii) | Arrangement for door to door collection | No Gap | Regular Monitoring of Door To Door Collection | | | ULB | Comply |
| (iii) | Waste Collection trolleys with separate compartments | No Gap | Municipal Corporation and other ULB have Sufficient Number of Waste Collection Vehicle with separate compartments | | | ULB | Comply |
| (iv) | Mini Collection Trucks with separate compartments | No Gap | Municipal Corporation have 70 Nos. and other ULB have Sufficient Number of Mini Collection Trucks Waste Collection Vehicle with separate compartments and vehicle are being fitted Gps Tracking System For efficient waste Collection mechanism | | | ULB's | Comply |

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|-----|--|--------|--|--|--|-------|--------|
| (v) | Waste Deposition centers (fordomestic hazardous wastes) | No Gap | 110 Number of Waste Deposition Centers are Available in All the ULB Limit | | | ULB's | Comply |
|-----|--|--------|--|--|--|-------|--------|

| 4. Waste Transport | | | | | | | |
|---------------------------|---|------------------------------|---|------------------------|-------------------------|-----------------------------|---|
| S. No. | Action points For villages / blocks/ town municipalities / City corporations | Identification of gap | Action Plan | | | Responsible agencies | Timeline for completion of action plan |
| | | | Action Point | Budget Required | Budget Available | | |
| (i) | Review existing infrastructure for waste Transport. | No Gap | Needs up gradation, these Existing infrastructure are being fitted Gps Tracking System For efficient waste Collection mechanism | 11 Cr | 11 Cr | ULB's | Comply |
| (ii) | Bulk Waste Trucks | No Gap | Sufficient Number Of Bulk Waste Trucks are Available | | | ULB's | Comply |

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| (iii) | Waste Transfer points | No Gap | 110 Number of Waste Deposition Centers are Available in the ULB's Limit | | | MNN | Comply |
|----------|--|---|--|-----------------|------------------|----------------------|--|
| 5 | Waste Treatment and Disposal | | | | | | |
| S. No. | Action points For villages / blocks/ town municipalities / City corporations | Identification of gap | Action Plan | | | Responsible agencies | Timeline for completion of action plan |
| | | | Action Point | Budget Required | Budget Available | | |
| (i) | Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules) | 33 Number of Bulk Waste Generators had been Identified for installation of OWC(Own Site Waste Compost) in the ULB's Limit | Notices for the Compliances of the same are already issued to be Bulk waste Generator but Bulk Generator are not processing their wet & dry Waste at Source again issuing them final notice for the compliance | | | ULB's | Dec 2023. |

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|-------|--|--|---|--|--|-------|---|
| (ii) | Wet-waste Management: Facilities for central Bio machination / Composting of wets waste. | Whether facility exists / functional / needs up gradation? | If not action planfor developing / upgradation of bio-methanation or composting facility | | | ULB's | 400tpd waste to Compost Plant is fully Functional in the MNN and Other ULB's Practiced Pit Composting for Wet Waste Processing. |
| (iii) | Dry-Waste Management: Material Recovery for dry-waste fraction | No Gap | MMC Construct and developed 12 No's Mini MRF Centres to cater 70 wards Door to Door Collection segregated Dry Waste. In Different Categories, 12 No's Mini MRF Centres and Other ULB's Have 01 Nos Each in limit Which are Fully Functional with the help of Reg-pickers. | | | ULB's | Comply |

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|------|--|--------------|--|---------|-------|-------|--------------|
| (iv) | Disposal of inert and non-recyclable wastes: Sanitary Landfill | No Gap | A New SLF of Approximate 5 acre Land has been approved by 15th Finance Commission Committee on dated 3rd July 2021. To Developed and rehabilitate the SLF, The Vendor has been finalized and Agreement is also signed on dated 25 th August 2022, the said work is likely to be completed within 1 year | | | ULB's | August 2023. |
| (v) | Remediation of historic / legacy dumpsite | 2.62 Lakh MT | In Rampur Road Trenching Ground 5.8 Lakh Ton Legacy Waste Available to Process The legacy Waste tender has been invited and agency | 46.31Cr | 20 Cr | | |

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|--|--|--|---|--|--|-------|----------------------------|
| | | | <p>M/s NACOF has been appointed to Process and safe disposal by Product . The agency has started Processing of waste since January 18th 2022 and Presently 1.85 Lakh Tone Legacy waste is Processed, M/s NACOF Have Installed Pozollana Machine Plant having Capacity of 2200 TPD, The Work is likely to be Completed 30th June 2023 and other ULB's are Preparing the Plan to Processing of there legacy waste. And other ULB's have 2.6 Lakh MT Approx.</p> | | | ULB's | 30 th June 2025 |
|--|--|--|---|--|--|-------|----------------------------|

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|------|------------------------|--------|--|--|--|-------|--------|
| | | | Legacy Waste | | | | |
| (vi) | Involvement of NGOs | No Gap | Professional NGO's being Engaged by Municipal Corporation for I.E.C Activities to enhance Source Segregation in the wards. To Do the IEC Activities M/s Samvedna Society has been Appointed and a Regular time Bound Program to educate the citizen done on | | | ULB's | Comply |

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| | | | | | | | |
|--------|---|--|---|--|--|-------|-----------|
| | | | regular basis. | | | | |
| (vii) | EPR of Producers: Linkage with Producers / Brand Owners | As per rules, producers and brand- owners should facilitate in collection of packaging waste | Action plan for linkage of all producers/brand owners or their PROs for collection of plastic waste | | | UPPCB | 12 months |
| (viii) | Authorization of Waste Pickers | Yes | ULB's have List of authorized waste pickers should be available | | | ULB's | Comply |
| (ix) | Preparation of own by-laws to comply with SWM Rules 2016 | Yes | ULB's are Notified of own by-laws and Enforced | | | ULB's | Comply |

(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 |
|--------------|--|--|
| 1 | Municipal corporations (Nagar Nigam Moradabad or Mahanagar Palika) | 3.0 Ton/day |
| 2 | Municipalities (Nagar Palikas) | 0.32 Ton/day |
| 3 | Nagar panchayats (Town area Councils) | 0.72 Ton/day |

| S.No. | Local Bodies | Plastic Waste Generated per day |
|--------------|-------------------------------|--|
| 2 | Block /Taluk / Mandal Tehsils | 1.6 Ton/day |
| 3 | Village/Gram Panchayats | 1.5 Ton/day |

(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 timefor Compliance |
|-------|---|-----------------------|---|-----------------|------------------|----------------------|---------------------------|
| | | | Action Point | Budget Required | Budget Available | | |
| 1. | Door to Door collection of dry waste including PW | 69% | Existing:-31% Total Ward=178 Rest Ward to be a Completed , Professional NGO's are being Engaged by Municipal Corporation for I.E.C Activities to enhance Source Segregation in the wards and To be Completed | | | ULB's | DEC 2024 |
| 2. | Facilitate organized collection of PW at Waste transfer point or Material Recovery Facility | No Gap | MMC constructed 12 No's Mini MRF Centres to cater 70 wards Door to Door Collection segregated Dry Waste. In Different Categories, 12 No's Mini MRF Centres and Other ULB's Have 01 Nos Each in limit are Fully Functional with the help of Reg-pickers and Local Kabadi . | | | | Comply |

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| | | | | | | | |
|----|---|--|--|--|--|-------|----------|
| 3. | PW collection Centres | No Gap | MMC constructed 12 No's Mini MRF Centres to cater 70 wards Door to Door Collection segregated Dry Waste. In Different Categories, 12 No's Mini MRF Centres and Other ULB's Have 01 Nos Each in limit are Fully Functional with the help of Reg-pickers and Local Kabadi . | | | ULB's | Comply |
| 4. | Awareness and education programs implementation | No Gap | Professional NGO's being Engaged by Municipal Corporation for I.E.C Activities to enhance Source Segregation and Awareness education programs implementation in the wards. To Do the IEC Activities M/s Samvedna Society has been Appointed and a Regular time Bound Program to educate the citizen done on regular basis. | | | ULB's | Ongoing |
| 5. | Access to Plastic Waste Disposal Facilities | District has access to PW recycling / utilization or disposal facilities.. | PW recycling facilities available at reasonable distance; Channel for sending PW collected to cement plants for processing; Availability of waste plastic oil producing facilities; Linkage with PWD for usage of PW in road | | | ULB's | Dec 2023 |

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|--|--|--|---|--|--|--|--|
| | | | making. Action plan at district should involve Urban and Rural Local bodies | | | | |
|--|--|--|---|--|--|--|--|

(iii) C & D Waste Management

a. Current status related to C & D Waste

| Details of Data Requirement | Present Status |
|---|--|
| Total C & D waste generation in MT per day (As per data from Municipal Corporations / Municipalities) | 30 Ton/Day |
| Does the District have access to C&D waste recycling facility? | MNN are 09 and Each ULB's 01 Nos' designated C&D Waste Primary Collection Point. Where C&D waste are Collected and then Transported to reuse ,recycle and the safe Disposal. |

b. Identification of gaps and Action plan:

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| S. No. | Action points for blocks / town municipalities / City corporations | Identification of Gaps | Action Plan | | | Responsible agency | Timeline for completion of action plan |
|--------|---|------------------------|--|-----------------|------------------|--------------------|--|
| | | | Action Point | Budget Required | Budget Available | | |
| 1. | Arrangement for separate collection of C&D waste to C&D waste deposition point. | No gap- | MNN are 09 and Each ULB's 01 Nos' designated C&D Waste Primary Collection Point. Where C&D waste are Collected and then Transported to reuse ,recycle and the safe Disposal. | | | ULB's | Comply |
| 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 | ULB's Notified C&D waste By-laws and Enforced | | | ULB's | Comply |
| 3. | C&D recycling Facility | Gap Identified | Not Yet, but 100 TPD C&D Waste Plant is proposed for processing of C&D Waste at a Cost of 5.51 cr under Swachh Bharat Mission Scheme, the tender of the said work is invited on 30 th August 2022, The said work likely to be completed | | | ULB's | Dec 2024 |

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|----|--|-----|---|--|--|-------|--------|
| | | | within six months after finalizing the bidder. | | | | |
| 4. | Usage of recycled C&D waste in non- structural concrete, paving blocks, lower layers of road pavements, colony and rural roads | Yes | Moradabad Nagar Nigam and other _ULB's_Have a Policy for Management of C&D waste as per Rule 09 | | | ULB's | YES |
| 5. | ICE on C & D waste management | Yes | Professional NGO's being Engaged by Municipal Corporation for I.E.C Activities to enhance Awareness education programs implementation C& D Waste in the wards. To Do the IEC Activities M/s Samvedna Society has been Appointed and a Regular time Bound Program to educate the citizen done on regular basis | | | ULB's | Comply |

(iv) Biomedical Waste Management

a. Current Status related to biomedical waste

| Inventory of BMW in the District | Quantity |
|--|---------------------------------------|
| Total no. of Bedded Healthcare Facilities | GOVT 70 PVT 393 TOTAL HCF 463 |
| Total no. of non-bedded HCF | 313 SUB CENTERS AND HWC |
| No. of HCFs authorised by SPCBs/PCCs | GOVT 68 |
| No of Common Biomedical Waste Treatment and Disposal Facilities (CBWTFs) | 3 CBWTF Working in Moradabad District |

District Environment Plan for Moradabad

| | | |
|--|--|---|
| Capacity of CBWTFs | 1- Medicare PVT.LTD. 2- Synergy PVT.LTD. 3 SBM MORADABAD | 3600 Kg/day 8400 Kg/day 7200 KG PER DAY |
| No. of Deep burials for BMW if any at Additional PHC | 26 | |
| Quantity of biomedical waste generated per day | 1264.2 Kg/day | |
| Quantity of biomedical waste treated per day | 1264.2 Kg/day | |

b. Identification of gaps and Action plan:

| S. No. | Action points | Gaps | Action Plan | | | Responsible agency | Timeline for completion of action plan |
|--------|---|--------|---|-----------------|--|--------------------|--|
| | | | Action Point | Budget Required | Budget Available | | |
| 1. | Inventory and Identification of Healthcare Facilities | No gap | Regular activity for checking of newly enrolled HCF | NA | 5,051,235 Required Budget for additional PHC 1,500,000 | UPPCB/ CMO | Regular activity |
| 2. | Adequacy of facilities to treat biomedical waste | No gap | Already Installed one CBWTF in Moradabad | NA | NA | UPPCB | Completed |

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| | | | | | | | |
|----|---|---|--|---------------|------------------------------|----------------|--|
| 3. | Tracking of BMW | Regular Activity | Regular Inspections are being carried out | NA | NA | UPPCB | Regular Activity |
| 4. | Awareness and education of healthcare staff | YES | Being carried out by CMO | | | CMO | ONGONG REFRESHERS TRAININGS |
| 5. | Adequacy of funds | Whether adequate funds is allocated to Government health care facilities for bio-medical waste management by State Govt.? | Action plan for ensuring adequate funds to Government health care facilities for bio-medical waste management by State Govt.,. | Rs. 5,051,235 | 1,500,000 for additional PHC | CMO | Completed |
| 6. | Compliance to Rules by HCFs and CBWTFs | Yes | Through CMO/UPPCB | NA | NA | UPPCB/CMO | Regular Activity |
| 7. | District Level Monitoring Committee | Yes | Alreafy existing | NA | NA | DM/CMO/UPPCB | District Level Monitoring Committee has been constituted and meetings are being organized periodically. |
| 8. | Waste water Treatment | Yes | All required HCF's has been directing to install | NA | NA | HCFs/UPPCB/CMO | Compliance is under progress. Budget available and agency hired for ETP installation by UP Medical corporation in all Govt HCFs. |

(v) Hazardous Waste Management

a. Current Status related to Hazardous Waste Management

| Details of Data Requirement | Present Status |
|---|---|
| No of Industries generating HW | 136 |
| Quantity of HW in the district | 156.8 MT/Annum |
| (i) Quantity of Incinerable HW | 5.4 MT/Annum |
| (ii) Quantity of land-fillable HW | 151.34 MT/Annum |
| (iii) Quantity of Recyclable / utilizable HW | 10.47 MT/Annum |
| No of captive/common TSDF | 0 Nos of integrated TSDF 0 Nos of SLF. 0 No of Standalone incinerators |
| Contaminated Sites or probable contaminated sites | 01 |

District Environment Plan for Moradabad

b. Identification of gaps and action plan:

| S. No. | Action points | Identification of Gaps | Action Plan | | | Responsible agency | Timeline for completion of action plan |
|--------|---|------------------------|--|-----------------|------------------|--------------------------------|--|
| | | | Action Point | Budget Required | Budget Available | | |
| 1. | Regulation of industries and facilities generating Hazardous Waste | No Gap | All identified industries have contracted with TSDF for safe disposal of HW | NA | NA | UPPCB | Comply |
| 2. | Establishment of collection centres | Not required | All industries generating HW have adequate collection systems | NA | NA | UPPCB | Regular |
| 3. | Training of workers involved in handling / recycling / disposal of HW | No Gap | Action plan to train the workers on safety aspects through Department of Industries/Factories Deptt as per provisions under HOWM Rules, 2016 | NA | NA | Industry/UPPCB/Factories Deptt | Comply |
| 4. | Availability / Linkage with common TSDF or disposal facility | No gap | Common facilities (TSDF) are available and all required industries are linked with. | NA | NA | Industry/UPPCB | Comply |

District Environment Plan for Moradabad

| | | | | | | | |
|----|--------------------|-----|--|----|----|--|--|
| 5. | Contaminated Sites | Yes | One contaminated site near River Ramganga has been identified. | NA | NA | Samples of soil and Ground water have been analysed by IITR, Lucknow | Report has been sent to HO, UPPCB for next action. |
|----|--------------------|-----|--|----|----|--|--|

(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 | 8 E-waste dismantling/segregation units established in Moradabad, Which dismantling/segregation capacity is 6000 MT/Year approx. |
| Collection centers established by ULBs in the District | None |
| Collection centers established by Producers or their PROs | None |
| No authorized E-Waste recyclers /Dismantler | 08 Unit (E-waste dismantling/segregation capacity is 6000 MT/Year) |

b. Identification of gaps and action plan:

| S. No. | Action points | Gaps in implementation | Action Plan | | | Responsible agency | Timeline for completion of action plan |
|--------|---|------------------------|---|-----------------|------------------|--------------------|--|
| | | | Action Point | Budget Required | Budget Available | | |
| 1 | Inventory / Generation of E-Waste/Bulk-waste generators | No Gap | Completion of inventory | NA | NA | SPCB/PCC | There are 08 E-waste dismantling/segregation units established in Moradabad, dismantling/segregation capacity is 6000 MT/Year |
| 2 | E-Waste collection points | Not available | Identification / registering E-Waste collection centres in association with Producers - their PROs or Recyclers | NA | NA | UPPCB/ULB | December 2024 |
| 3 | Linkage among Stakeholders to channelize E-Waste | Not available. | Under process | NA | NA | ULB | December 2024 |
| 4 | Regulation of Illegal E-Waste recycling / dismantling | Regular Activity | To control illegal E waste recycling by District Administration/Police/ULB/UPPCB | NA | NA | UPPCB | 08 E-waste dismantling/segregation units established in Moradabad, dismantling/segregation capacity is 6000 |

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| | | | | | | | MT/Year |
|---|--------------------------------|---------------|---|----|----|-----------|-----------|
| 5 | Integration of informal sector | Not available | Evolve mechanism by involving producers/PROs. | NA | NA | UPPCB | Dec 2024 |
| 6 | Awareness and Education | No Gap | Being Carried out by ULB/UPPCB/DM | NA | NA | UPPCB/ULB | Complying |

3. Air Quality Management

a. Current Status related to Air Quality Management

| Details of Data Requirement | Present Status |
|--|---|
| Number of Automatic Air Quality monitoring stations in the district. - Operated by SPCB / State Govt / Central govt./ PSU agency : - Operated by Industry: | 06 Operated by UPPCB |
| Number of manual monitoring States operated by SPCBs | 02 (1. Hindu College, Buddh Bazar , 2. PTC, Kanth Road Moradabad) |

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| | |
|--|-----------------------------|
| Name of towns / cities which are failing to comply with national ambient air quality stations | None |
| No of air pollution industries | 35 |
| Prominent air polluting sources [Large Industry] / [Small Industry] / [Unpaved Roads] / [Burning of Waste Stubble] / [Brick Kiln] / [Industrial Estate] / [Others] (Multiple selection) | Multiple type of industries |

b. Identification of gaps and action plan:

| S. No. | Action points | Indicative Action Plan | Action Plan | | | Responsible agency | Timeline for completion of action plan |
|--------|--|------------------------|---|-----------------|------------------|-------------------------------|--|
| | | | Action Point | Budget Required | Budget Available | | |
| 1. | Identification of prominent air polluting sources? | No Gap | Regularly identification is being done (Illegal Metal Furnaces prominent air polluting source in district.) | NA | NA | UPPCB/District Administration | Regular Activity |
| 2. | Ambient Air quality data? | No Gap | Already installed 6 CAQMS and 2 manual Monitoring | NA | NA | UPPCB | Complying (Monitoring by UPPCB) |

District Environment Plan for Moradabad

| | | | | | | | |
|----|---|--------|--|----|----|-----------------------|---|
| | | | station.Data linked with Sameer App | | | | |
| 3. | Setting up of Continuous Ambient Air Quality Monitoring Station | No Gap | Already installed 6 CAQMS and 2 manual Monitoring station.Data linked with Sameer App. One mobile type monitoring station is ready to reach at Moradabad. | NA | NA | UPPCB | 3 Months |
| 4. | District Level Action Plan for Air Pollution | No Gap | City level action plan has been implemented. | NA | NA | UPPCB | Covered under NACs |
| 5. | Hotspots of air pollution in District | No gap | Identified | NA | NA | UPPCB/ ULB/ MDA | Illegal metal furnaces situated in Galshaheed, Nagphani, Barbalan, Baradari, Lalbagh etc. |
| 6. | Awareness on Air Quality | No Gap | Already being carried out | NA | NA | UPPCB | IGRS Portal/Sameer App already in existence |

4. Water Quality Management

4.1 Water Quality Monitoring

a. Current Status related to Water Quality Management

| Details of Data Requirement | Present Status |
|---|---------------------------|
| Rivers | Ramganga, Gagan, Dhela |
| Length of Coastline (if any) | – |
| Nalas/ Drains/Creeks meeting Rivers | 24 (12 Drains are Tapped) |
| Lakes / Ponds | 253 and Area 759 Hectares |
| Total Quantity of sewage from towns and cities in District | 200 MLD |
| Quantity of industrial wastewater | 5.92 MLD |
| Percentage of untreated sewage | 70 % |
| Details of bore wells and number of permissions given for extraction of groundwater | 107191 Nos |
| Groundwater polluted areas if any | None |
| Polluted river stretches if any | None |

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

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| S. No. | Action points | Gaps and Action Plan | Action Plan | | | Responsible agency | Timeline for completion of action plan |
|--------|---|----------------------|---|-----------------|------------------|--|--|
| | | | Action Point | Budget Required | Budget Available | | |
| 1. | Inventory of water bodies | No gap | District Ganga Committee looks after the matters | NA | NA | UPPCB/jalkal(ULB)/Jal Nigam/Irrigation Dept. | Completed |
| 2. | Quality of water bodies in the district | No gap | District Ganga Committee looks after the matters and UPPCB is doing regular monitoring of rivers and drains | NA | NA | UPPCB | Regular Activity. |
| 3. | Hotspots of water contamination | No Gap. | No water contamination found | NA | NA | UPPCB/Jalkal (ULB)/Jal Nigam | None |
| 4. | Protection of river / lake water front | No Gap | M/s Bioxgreen Technology Pvt. Ltd. is employed for treatment of 78.2 MLD waste water in 24 drains by Bio-remediation & Phyto-remediation. | 2 Cr | 2 Cr | Irrigation/ Nagar Nigam Moradabad | Comply |
| 5. | Inventory of sources of water pollution | No Gap | There are 24 drains all along the said rivers and to avoid the entry of solid waste in to river screen bars are | 2.12 Cr | 2.12 Cr | Jalkal (ULB) | Complied |

District Environment Plan for Moradabad

| | | | | | | | |
|----|---|--------|--|-----------------------|-----------------------|----------------------------|------------------|
| | | | fixed. <ul style="list-style-type: none"> To Stop the Sewage and Waste Water Discharge point in to water bodies/River,Bio Remediation cum Phyto- remediation Technique is being introduced in all 24 drains. | | | | |
| 6. | Oil spill disaster management (for coastal districts) | NA | NA | NA | NA | NA | NA |
| 7. | Protection of flood plains | No Gap | District Ganga Committee looks after the matters | NA | NA | Irrigation Department /DGC | Regular Activity |
| 8. | Rejuvenation of groundwater | No Gap | Ground water recharge by Rain Water Harvesting and percolated layer in Government Buildings To collect rainwater from roof catchments of selected 19 Govt buildings by adopting artificial recharge techniques. | 04 Cr/Smart City Fund | 04 Cr/Smart City Fund | UPGWD/ Nagar Nigam | 12 Months |
| | | | <ul style="list-style-type: none"> 05 Nos. Community | 28.09 Lakhs | 28.09 Lakhs | | Comply |

District Environment Plan for Moradabad

| | | | | | | | |
|----|----------------------------|--------|---|---------|---------|---|-----------|
| | | | Rain water Harvesting System is being installed. | | | | |
| | | | <ul style="list-style-type: none"> To rejuvenate the Ground water 07 water Bodies is being adopted to maintain the ecology of the water bodies | 4.09 Cr | 4.09 Cr | | Comply |
| 9. | Complaints redressalsystem | No gap | IGRS portal Available | NA | NA | – | Complying |

Domestic Sewage

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

| Details of Data Requirement | Present Status |
|--|----------------|
| No of Class-II towns and above | 01 |
| No of Class-I towns and above | None |
| No of Towns STPs installed | 01 |
| No of Towns needing STPs | 09 |
| No of ULBs having partial underground sewerage network | None (only NN) |
| No of towns not having sewerage network | 09 |

District Environment Plan for Moradabad

| | |
|---|--------|
| Total Quantity of Sewage generated in District from Class II cities and above | 150 |
| Quantity of treated sewage flowing into Rivers(directly or indirectly) | 58 MLD |
| Quantity of untreated or partially treatedsewage (directly or indirectly) | 150 |
| Quantity of sewage flowing into lakes | 0 |
| Total available Treatment Capacity | 58 MLD |

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

| S. No. | Action points | Gaps and Action Plan | Action Plan | | | Responsible agency | Timeline for completion of action plan |
|--------|--------------------------------|--|--|-----------------|------------------|--------------------|--|
| | | | Action Point | Budget Required | Budget Available | | |
| 1. | Sewage Treatment Plants (STPs) | More STP's Are required | Additional STP for zone 3 and 4 will be required | 160.00 Cr | Nil | Jal Nigam | 24 Months |
| 2. | Underground sewerage network | Not available except some area of Moradabad City | Action plan for 446 Km sewer network will be required for zone 3 | 750.00 Cr | Nil | Jal Nigam/ULB | 24 Months |

| | | | | | | | |
|--|--|--|-------|--|--|--|--|
| | | | and 4 | | | | |
|--|--|--|-------|--|--|--|--|

Industrial waste water management

a. Current Status related to Industrial Wastewater Management

| | |
|---|---|
| Number of Red, Orange, Green and White industries in the District | Nos of Red industries 180, Nos of Orange industries 161, Nos of Green industries 07 |
| No of Industries discharging waste water | 149 |
| Total Quantity of industrial waste water generated | 5.0 MLD |
| Quantity of treated industrial waste water discharged into Nalas / Rivers | 1.4 |
| Common Effluent Treatment Facilities | None |
| No of Industries meeting Standards | All |
| No of Industries not meeting discharge Standards | None |

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

| S. No. | Action points | Gaps and Action Plan | Action Plan | | | Responsible agency | Timeline for completion of action plan |
|--------|---|-----------------------|--|-----------------|------------------|--------------------|---|
| | | | Action Point | Budget Required | Budget Available | | |
| 1. | Compliance to discharge norms by Industries | No gap | All required industries having adequate ETP's. Action is being taken by UPPCB against non complying industries under relevant section of water act 1974. | Not Required | Not Required | UPPCB | Regular activity |
| 2. | Complaint redressal system | IGRS Portal available | - | Not Required | NA | UPPCB | All IGRS complaint are monitored and action upon on regular activities. |

District Environment Plan for Moradabad
Mining Activity Management plan

a. Current Status related to Mining Activity Management

| Details of Data Requirement | Existing Mining operations |
|--|----------------------------|
| Type of Mining Activity | Name of mines – River Bed |
| No of licenced Mining operations in the District | - |
| % Area covered under mining in the District | % |
| Area of Sand Mining | - |
| Area of sand Mining | River bed |

b. Identification of gaps and action plan:

| S. No. | Action points | Gaps and Action Plan | Action Plan | | | Responsible agency | Timeline for completion of action plan |
|--------|-------------------------------|----------------------|-----------------------------------|-----------------|------------------|-----------------------------------|--|
| | | | Action Point | Budget Required | Budget Available | | |
| 1. | Monitoring of Mining activity | No Gap | Monitoring is being done district | NA | NA | UPPCB/ District Administration | Regular Monitoring of the area where mining activity is practiced is done by District Mining Authority to ensure |

District Environment Plan for Moradabad

| | | | | | | | |
|----|---|--------|---|----|----|-----------------------------------|---|
| | | | level task force. | | | | compliance. |
| 2. | Inventory of illegal mining if any mining | No Gap | Monitoring is being done district level task force. | NA | NA | UPPCB/ District Administration | A task force has been formed to check the illegal mining sites. Regular Activity |
| 3. | Environment compliance by Mining industry | No gap | Regular activity | NA | NA | Mining Department | Compliance is done by mining department, Moradabad. |

Noise Pollution Management plan

a. Current Status related to Noise Pollution Management

| Details of Data Requirement | Measurable Outcome |
|--|---|
| No. of noise measuring devices available with various agencies in district | UPPCB, RO, Moradabad (05 functioned noise meter is currently in possession with UPPCB, RO, Moradabad. |

b. Identification of gaps and action plan:

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| S. No. | Action points | Gaps and Action Plan | Action Plan | | | Responsible agency | Timeline for completion of action plan |
|--------|---|----------------------|--|-----------------|------------------|--------------------------------|---|
| | | | Action Point | Budget Required | Budget Available | | |
| 1. | Availability of Sound/Noise Level Meters. | No Gap | UPPCB, RO, Moradabad already have 05 noise meters and used for noise monitoring as required. | NA | NA | UPPCB/ District Administration | Regular manual noise meter monitoring of residential, commercial, sensitive area and in industrial zone is carried out by RO, UPPCB, and Moradabad as per schedule. |
| 2. | Ambient Noise Level monitoring. | No gap | Regular Monitoring is being done by UPPCB | NA | NA | UPPCB | Related complaint are resolved by District Administration and Police Department as per noise pollution (Regulation & Control) Rules, 2000. Dec 2022 |
| 3. | Signboards in Noise zones | To be installed | Planning for installation | NA | NA | District Administration | Dec 2023 |
| 4. | Complaint redressing system | IGRS portal | - | | | UPPCB/ Police/ Traffic Police | Regular Activity |

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|--|--|--|--|--|--|------------|--|
| | | | | | | Department | |
|--|--|--|--|--|--|------------|--|