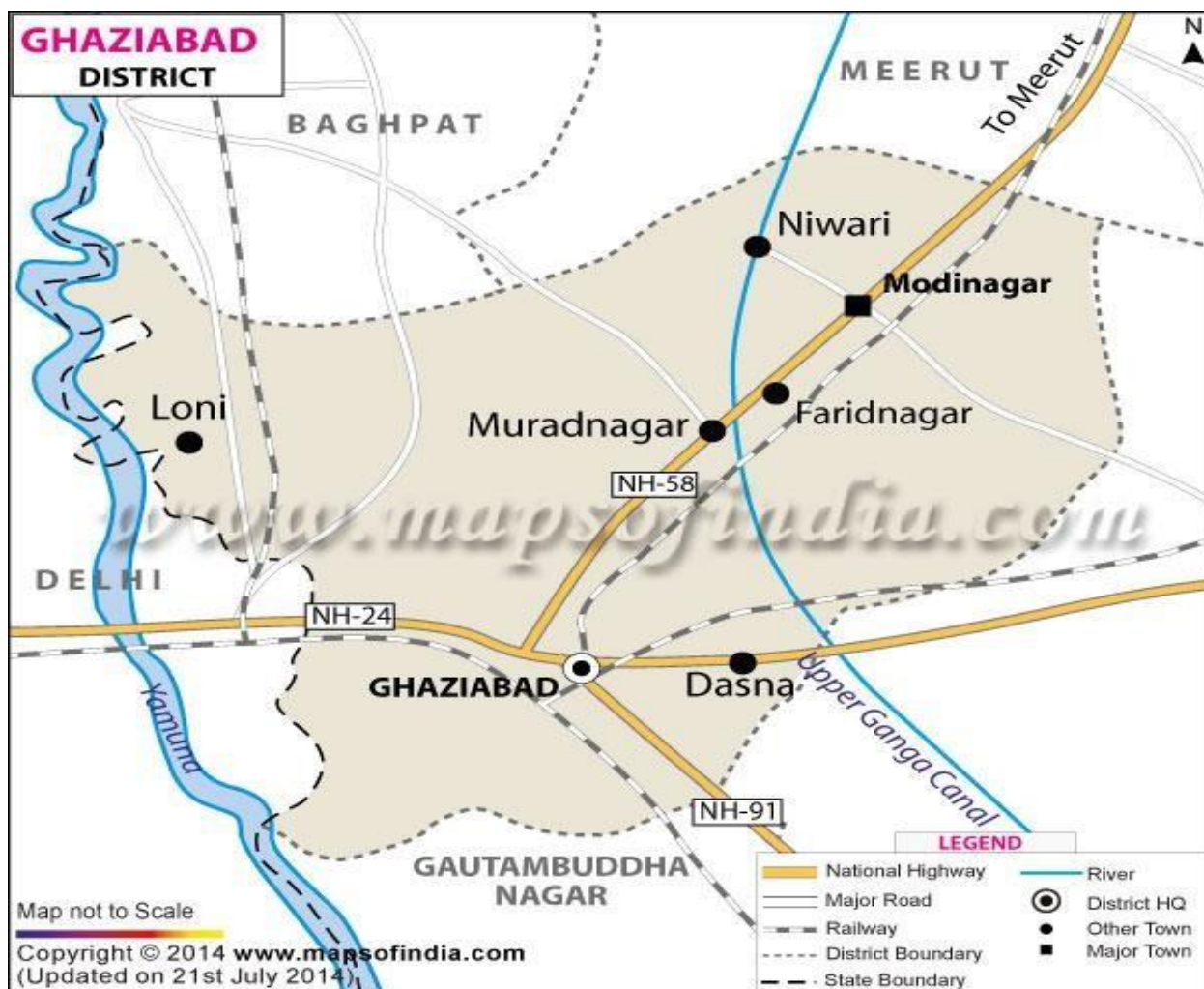


District Environment Plan for District - Ghaziabad (U.P.)



Collectorate- Ghaziabad District – Ghaziabad (U.P.)
Address: District Magistrate Office, Collectorate, Rajnagar,
Ghaziabad--201001 (UP)
Email: dmgha@nic.in

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1.0 District Profile

District Ghaziabad on the western edge of Uttar Pradesh, is located between Ganges and Yamuna, the two main rivers of the country. Ghaziabad Municipal Corporation is divided into 5 zones - City Zone, Kavi Nagar Zone, Vijay Nagar Zone, Mohan Nagar Zone and Vasundhara Zone. The Municipal Corporation comprises 100 wards. Well connected by roads and railways, it is a major rail junction for North India. Recent construction works have led to the city being described by a City Mayors Foundation survey as the second fastest-growing in the world. Situated in the Upper Gangetic Plains, the city has two major divisions separated by the Hindon River, namely Trans- Hindon on the west and Cis-Hindon on the east.

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. Ghaziabad is one of the largest urban agglomerations in the National Capital Region has been identified as a NAC with the objective of evolving an 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. Ghaziabad city have Polluted Industrial Areas (PIAs). <https://cpcb.nic.in/new-cepi-action-plan/>

History

The city of Ghaziabad was founded in 1740 A.D. by Ghazi-ud-Din, who served as a wazir in the court of Mughal emperor Muhammad Shah, and named it as "Ghaziuddinnagar" after his own name. The name "Ghaziuddinnagar" was shortened to its present form, i.e., "Ghaziabad" with the opening of the Railways in 1864. Establishment of the Scientific Society here, during the same period is considered as a milestone of the educational movement launched by Syed Ahmad Khan. The Scinde, Punjab & Delhi Railway, connecting Delhi and Lahore, up till Ambala through Ghaziabad was opened in the same year.

Area & Geography

District Ghaziabad is bounded by longitude 77°12' 78°13' latitude 28°26' 28°54' and is underlain by Quaternary sediments. The boundaries of this district are in Meerut and Baghpat in the north, Gautam Buddha Nagar and Bulandshahr in the south, Hapur in the east and cross Yamuna River in the west and meet the boundaries of Delhi region and Haryana. The size of this district is rectangular. The boundaries of the district are almost equal in north-south and east-west. Its longest length is 40 km in the east. This district is one of the developed districts of Uttar Pradesh and its boundary is well connected through the national capital of Delhi. Due to well-connected from Delhi, the main road of entry into Uttar Pradesh, Ghaziabad is said to be the gateway of Uttar Pradesh. The Geographical Area of District Ghaziabad is 777.9 sqkm on the basis of 2011 census.

a. District Administrative Set-up & Local institutions

Ghaziabad is one of the five districts of the Meerut Division. Divisional Commissioner, whose headquarter is at Meerut, holds charge of the division. He is the link between the districts and the government and supervises the administration as well as the planning and the development activities of its districts.

District Sub-Division

The district has been divided into three sub division for purpose of revenue & general administration namely Ghaziabad, Modinagar and Loni. The centrally situated Tehsil Ghaziabad has three pargana's, i.e., Loni, Dasna & Jalalabad. The Modi Nagar tehsil which has only one pargana named Jalalabad is in the northern part.

Ghaziabad district administration is headed by the District Magistrate of Ghaziabad. The DM is assisted by a Chief Development Officer (CDO), four Additional District Magistrates (ADM) (Administration, Finance/Revenue, City, Land Acquisition), one City Magistrate (CM) and two Additional City Magistrate (ACM).

The district is divided into 3 sub-divisions and 4 development blocks. Each sub-division headed by a Sub Divisional

magistrate and Block by Block Development Officer (BDO).

Administration:

A district is an administrative division of a state. Each district in India has an officer-in-charge who represents the state governments in that area in the capacity of Collector/District Magistrate. Collectorate is the name of the building in ancient times where the DM, ADM and revenue collection staff officiate. Now it is known as DM Office. The office of the collector, is the chief representative of government in a District.

District administrator-

S. No.	Name	Designation
1	Smt. Selva Kumari J.	Divisional Commissioner of Ghaziabad Division
2	Mr. Rakesh Kumar Singh, IAS	District Magistrate
3	Shri Rakesh Kumar Singh, IAS	Vice Chairman, GDA
4	Sh. Vikramaditya Singh Malik, IAS	Chief Development Officer
5	Dr Nitin Gaur, IAS	Municipal Commissioner
6	Dr. Bhavtosh Shankhdhar	Chief Medical Officer
7	Mrs. Ritu Suhas	ADM (Administration)
8	Shri Bipin Kumar	ADM (City)
9	Shri Vivek Srivastava	ADM (F&R)
10	Shri Gambhir Singh	City Magistrate
11	Shri Vinay Kumar Singh	SDM (Sadar)
12	Mrs. Shubhangi Shukla	SDM, Modinagar
13	Shri Santosh Kumar Rai	SDM, Loni

Blocks –

S. No.	Block Name	Village
1.	Rajapur	34
2.	Bhojpur	47
3.	Muradnagar	48
4.	Loni	32
	Total	161

Tehsil–

S. No.	Tehsil Name	Revenue Village
1.	Ghaziabad	85
2	Modinagar	95
3.	Loni	49

Village & Panchayats

There are 161 Gram Panchayats in four blocks of District Ghaziabad.

Municipal Bodies

S. No.	Type of Body	Body
1.	Municipal Corporation	Ghaziabad
2.	Municipal Council	Loni
3.	Municipal Council	Muradnagar
4.	Municipal Council	Modinagar
5.	Municipal Council	Khoda Makanpur
6.	Town Area	Dasna
7.	Town Area	Faridnagar
8.	Town Area	Patla
9.	Town Area	Niwadi

b. Natural Resource -

• Water bodies

The main rivers that flow through the Ghaziabad district are Hindon, Ganga and Yamuna. It is basically a rain-fed river. Added to this, the district uses water from the Ganga Canal for the purpose of irrigation.

▪ Availability of water resources

Ground water like handpumps (total 45478), Borewells, submersible pumps and river/canals (total 5413) are the main water resources in Ghaziabad.

▪ Forest coverage

The forest area of the district is about 26.0 Sq.Km. (<https://fsi.nic.in/isfr2017/uttar-pradesh-isfr-2017.pdf>)

c. Demography

In 2011, Ghaziabad had population of 4,681,645 of which male and female were 2,488,834 and 2,192,811 respectively. In 2001 census, Ghaziabad had a population of 3,290,586 of which males were 1,769,042 and remaining 1,521,544 were females.



Ghaziabad District population constituted 2.34 percent of total Maharashtra population. In 2001 census, this figure for Ghaziabad District was at 1.98 percent of Maharashtra population. There was change of 42.27 percent in the population compared to population as per 2001. In the previous census of India 2001, Ghaziabad District recorded increase of 46.89 percent to its population compared to 1991.

Description	2011	2001
Population	46.82 Lakhs	32.91 Lakhs
Actual Population	4,681,645	3,290,586
Male	2,488,834	1,769,042
Female	2,192,811	1,521,544

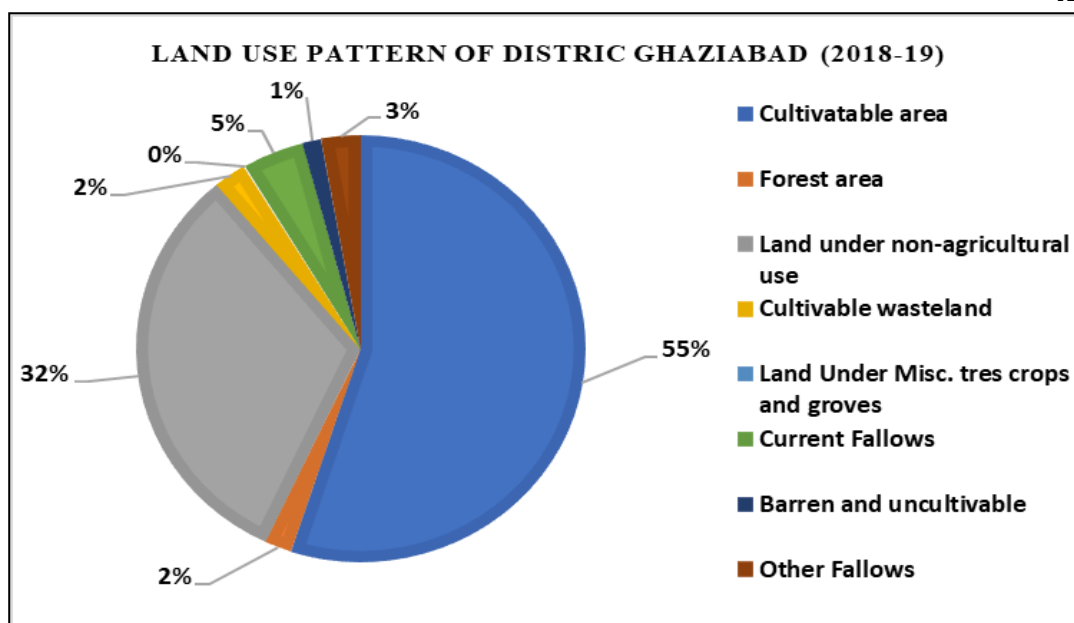
Population Growth	42.27%	46.89%
Area Sq. Km	1,179	1,179
Density/km2	3,971	2,800
Proportion to Uttar Pradesh Population	2.34%	1.98%
Sex Ratio (Per 1000)	881	860
Child Sex Ratio (0-6 Age)	850	854
Average Literacy	78.07	69.74
Male Literacy	85.42	79.84
Female Literacy	69.79	58.01

d. Land-use pattern

The details are given below: -

Reported Area (2018-2019)	Cultivable area	Forest area	Land under non-agricultural use	Cultivable wasteland	Land Under Misc. trees crops and groves	Current Fallows	Barren and uncultivable	Other Fallows
95650	50956	1824	29647	2173	142	4096	1230	2582

Area in hac.



e. Climate -

Since Ghaziabad is connected to the national capital Delhi, its temperature and rainfall are similar to Delhi. Dusty storm of Rajasthan and the impact of snowfall in the hills of Himalayas, Kumaon and Garhwal falls regularly in Ghaziabad season. Monsoon falls in the district during the first week of June or early July and usually rain still October. Like other districts of northern India, Ghaziabad mainly has three seasons- summer, winter and rain but occasionally adverse weather can be seen due to heavy snowfall in the hills of the Himalayas and Kumaun.

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 Waste Generated Tones per day
1	Municipal corporations (Nagar Nigam or Mahanagar Palika)	100	4,42,000	1648643	1400 TPD
2	Municipalities (Nagar Palikas)	140	212378	1846891	341.52
3	Nagar panchayats (Town area Councils)	46	11822	66404	9.87

S. No.	Local Bodies	No of Village Panchayats	No of Households	Population	Solid Waste Generated Tones/per day
1	Block /Taluk / Mandal Tehsils/ Village/Gram Panchayats	161	128550	745751	24.65

b. Identification of gaps and Action plan:

S. No.	Action points for villages/blocks /town municipalities /City corporations	Identification of gap	Action Plan			Responsible agencies	Timeline for completion of action plan
			Action Point	Budget Required	Budget Available		
1.	Segregation						
(i)	Segregation of waste at source	60-70% segregation Gap- Approx. 30 %	Nagar Nigam involving NGOs for Awareness programs, incentives, etc. Also, a new SBM team has been deployed for promoting Awareness	52 Lacs	0	Nagar Nigam/ Development Authorities/Waste Generator	Ongoing

			programs such as IEC, Source Segregation.				
2.		Sweeping					
(i)	Manual Sweeping Ghaziabad	No gap identified	(Beet route has been prepared for manual sweeping)	3 CR	0	Nagar Nigam, Ghaziabad	Ongoing
(ii)	Mechanical Road Sweeping & Collection	Gap identified and work is under progress	(10 Functional MRS Trucks) and Identified all routes for Mechanical Road Sweeping.	2.70 Crores	0		Ongoing
3.	Waste Collection						
(i)	100% collection of solid waste	100% waste collection	03 major Waste Processing Plants. (also small processing plants are present in Ghaziabad)	2.67 Cr.	17 lakhs	Nagar Nigam, Ghaziabad/ULBs	Complied
(ii)	Arrangement for door-to-door collection	No gap identified	463 vehicles for Door-to-door waste pickup) and 100% waste collection	Not Required	Not Required	Nagar Nigam, Ghaziabad/ULBs	Complied
(iii)	Waste Collection trolleys with separate compartments	No need to upgrade	Action plan for procurement if required	Not Required	Not Required	Nagar Nigam, Ghaziabad/ULBs	Complied

(iv)	Mini Collection Trucks with separate compartments	Not Required	Mini collection trucks with separate compartments are operation	9.30 Cr	0	Nagar Nigam, Ghaziabad/ULBs	Complied
(v)	Waste Deposition Centers (for domestic hazardous wastes)	Third party agreement tender placed by GNN	Door to door vehicles is equipped to collect Hazardous Waste	Not Required	Not Required	Nagar Nigam, Ghaziabad/ULBs	Ongoing.
4. Waste Transport							
(i)	Review existing infrastructure for waste Transport.	There is no gap	Within 3 Months, one transfer station in each of the 5 zones of GNN will be operational	Not Required	Not Required	Nagar Nigam, Ghaziabad/ULBs	3 Months
(ii)	Bulk Waste Trucks	No gap identified	Presently bulk waste trucks are complied	Not Required	Not Required	Nagar Nigam, Ghaziabad/ULBs	Complied
(iii)	Waste Transfer points	Transfer points are under installation	Presently waste transfer points are under installati	Not Required	Not Required	Nagar Nigam, Ghaziabad/ULBs	Ongoing

			on				
5	Waste Treatment and Disposal						
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules)	Some Bulk waste generators are identified by GNN but at present guidelines has changed by ULB so, the process is under progress	Nagar Nigam NOCs not taken before issuing EC, CC and other certificate to builders by GDA	Not Required	Not Required	Nagar Nigam, Ghaziabad/ULBs	Regular process
(ii)	Wet-waste Management: Facilities for central Bio machination/ Composting ofwets waste.	Facilities are identified but, bio-machination is under process	Presently bio-machination is under process	5CR	0	Nagar Nigam, Ghaziabad/ULBs	Under Process
(iii)	Dry-Waste Management:Material Recovery for dry-waste fraction	Presently Two Processing sites are operational; 8 MRF facilities are operational	Use of dry segregated waste in MRF is being done	5CR	0	Nagar Nigam, Ghaziabad/ULBs	Complied
(iv)	Disposal of Inert and non-recyclable wastes: Sanitary Landfill	No new dumpsite is present in Ghaziabad. Whether sanitarylandfill available / Plan for constructing sanitary landfill or arrangement with ULBs	75 TPD plant is operational for processing the Inert/non-recyclable wastes. And sanitary landfill is	Not Required	Not Required	Nagar Nigam, Ghaziabad/ULBs	Complied

			under constructi on.				
(v)	Remediation of historic / legacy dumpsite	DPR submitted for remediation of old dumpsite.	Out of 9.37 Lakh MT, 6.5 Lakh MT is already processe d and for further rest 2.8 Lakh MT- DPR is prepared and vetting in process.	Not Required	Not Required	Nagar Nigam, Ghaziaba d/ULBs	Under Progress
(vi)	Involvement of NGOs	Involvement of NGOs envisaged being done by GNN	GNN is involvin g NGOs for waste manage ment and awarenes s	Not Required	Not Required	Nagar Nigam, Ghaziaba d/ULBs	Complied
(vii)	EPR of Producers: Linkage with Producers / Brand Owners	No gap but Need of marketing efforts from ULBs	Nagar Nigam Civil Dept. use plastic waste for road making (3-4 kms stretch). -Plastic recycled products like statues, Benches, chairs,	Retender	NA	UPPCB/ Nagar Nigam, Ghaziaba d	Complied

			guards etc. has been made. -Largest Keyboard has been made from recycled Plastic -Plastic Museum has been set up where many items are made from waste plastic				
(viii)	Authorization of Waste Pickers	No gap	List of authorized waste pickers is Available (total 2009 rag pickers)	Not Required	Not Required	Nagar Nigam, Ghaziabad	Complied
(ix)	Preparation of own by-laws to comply with SWM Rules 2016	Yes	Ongoing work	Not Required	Not Required	Nagar Nigam, Ghaziabad	Ongoing

(ii) Plastic waste Management

a. Current status related to Plastic waste management

S. No.	Urban Local bodies	Estimated quantity of Plastic Waste Generated (MT/day)
1	Municipal corporations (Nagar Nigam Ghaziabad)	98 MT/day
2	Municipalities (Nagar Palikas)	20.49 MT/Day
3	Nagar panchayats (Town area Councils)	0.59 MT/day

S. No.	Local Bodies	Plastic Waste Generated per day
1	Block /Taluk / Mandal Tehsils/ Village/Gram Panchayats	33.7 Tonnes/per 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 time for Compliance
			Action Point	Budget Required	Budget Available		
1.	Door to Door collection of dry waste including PW	No gap identified	100% door-to-door waste collection	9.30	0	Nagar Nigam	Complied-
2.	Facilitate organized collection of PW at Waste transfer point or Material Recovery Facility	No gap	05 vendors are facilitated for collection of PW at Waste transfer point or Material Recovery Facility	5CR	0	ULBs/ Panchayati Raj/Nagar Nigam, Ghaziabad/UPP CB	Ongoing
3.	PW collection Centres	PW collection Centres Present in the district	100% collection and processing	5 CR	0	Nagar Nigam /ULBs/ Panchayati Raj	Ongoing
4.	Awareness and education programs implementation	No gap in awareness programmes organized	Special Drives including Schools and Civil society organizations	10 LAKH	0	ULBs/ UPPCB/ Development Authority/ NGOs/Education Department	Ongoing-

5.	Access to Plastic Waste Disposal Facilities	Yes and no gap	Nagar Nigam Civil Dept. use plastic waste for road making (3-4 kms stretch). -Plastic recycled products like statues, Benches, chairs, tree guards etc has been made. -Largest Keyboard has been made from recycled Plastic.	5 CR	0	Nagar Nigam	Complied
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(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)	325 MT/day
Does the District have access to C&D waste recycling facility?	Yes

b. Identification of gaps and Action plan:

S. No.	Action points for blocks/ town municipaliti es/ City corporations	Identif ication of Gaps	Action Plan			Responsib leagency	Timeline for completi on of action plan
			Action Point	Budget Required	Budget Available		
1.	Arrangement for separate	No gap	NNG has separate	1CR	0	Nagar Nigam,	Complied

	collection of C&D waste to C&D waste deposition point.		vehicles for zone-wise collection of C&D waste.			Ghaziabad	
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?	Yes, No gap at present	Notification has published by GNN through new paper and social media	Not Required	Not Required	Nagar Nigam, Ghaziabad	Complied
3.	C&D recycling Facility	Yes, District has C&D waste recycling facility	Nagar Nigam Operating a recycling plant having capacity 400TPD.	Not Required	Not Required	Nagar Nigam, Ghaziabad	Complied
4.	Usage of recycled C&D waste in non-structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	No Gap	(Nagar Nigam using the C&D waste in the paving blocks, lower layers of road pavements etc.)	72 LAKH	0	Nagar Nigam, Ghaziabad	Complied

5.	ICE on C & D waste management	No Gap	Awareness program and other activities being organized time to time.	10 Lakh	0	ULBs/UPPCB/Development Authority/NGOs/Education Department/Nagar Nigam	Ongoing
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(iv) Biomedical Waste Management

a. Current Status related to biomedical waste

Inventory of BMW in the District	Quantity/Nos.
Total no. of Bedded Healthcare Facilities	496
Total no. of non-bedded HCF	1540
No. of HCFs authorized by SPCBs/PCCs	2036
No of Common Biomedical Waste Treatment and Disposal Facilities (CBWTFs)	03 (1. M/s Synergy Waste Management (p) Ltd. 011-26933371 Subharti Madical College, Subharti Puram, Meerut.2. M/s Environ Waste Connections LLP, BN:102-104, Phase-III, Mg Road Indl. Are, Ghaziabad-Hapur. 3. M/s Medicare Environmental Management Pvt. Ltd. (Semb Remky. Environmental Managemnt Pvt. Ltd., C-21 Phase-I Masuri Gulowthi Road, UPSIDC, Ghaziabad.)
Capacity of CBWTFs	Adequate
No. of Deep burials for BMW if any	-
Quantity of biomedical waste generated per day	2281.085 (kg/day)
Quantity of biomedical waste treated per day	100%

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	No gap, all HCFs have code system	Inventory is being	Not Required	Not Required	UPPCB/CMO	Immediate

	on of Healthcare Facilities		done by UPPCB, and upgradat ion being done time to time				
2.	Adequacy of facilities to treat biomedic al waste	No gap in waste generated and disposed	(1. M/s Synergy Waste Managem ent (p) Ltd. 011- 26933371 Subharti Madical College, Subharti Puram, Meerut.2. M/s Environ Waste Connecti ons LLP, BN:102- 104, Phase-III, Mg Road Indl. Are, Ghaziaba d-Hapur. 3. M/s Medicare Environm ental Managem ent Pvt. Ltd. (Semb Remky. Environm ental Managem nt Pvt. Ltd., C- 21 Phase- I Masuri Gulowthi Road, UPSIDC, Ghaziaba d.)	Not Required	Not Required	UPPCB	Complied

3.	Tracking of BMW	All HCFs have bar-code system	Not required	Not Required	Not Required	UPPCB/ Health Department	Complied
4.	Awareness and education of healthcare staff	No gap	Awareness programs and training to healthcare staff and ULB official are being organized time to time by CMOs and other departments.	Not Required	Not Required	ULBs/ UPPCB/ Development Authority/ NGOs/Education Department	Ongoing (Time to time awareness programs, workshops are conducted to educate the sanitary workers , thus helping them in developing their skill.)
5.	Adequacy of funds	No Gap	Not required	Not Required	Not Required	Health Department	Complied
6.	Compliance to Rules by HCFs and CBWTFs	No gap	Complied	Not Required	Not Required	UPPCB/ Health Department/CMO	complied
7.	District Level Monitoring Committee	District Level Monitoring Committee has been constituted in the district and meetings are being organized every month.	Reviews and follow-up are being done by DLMC.	Not Required	Not Required	UPPCB/Forest Department	Complied

8.	Waste water Treatment	No Gap	All HCFs have installed ETPs as per requirement.	Not Required	Not Required	UPPCB	Complied
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(v) Hazardous Waste Management

a. Current Status related to Hazardous Waste Management

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

Details of Data Requirement	Present Status
No of Industries generating HW	403
Quantity of HW in the district	6772.000 MT/Annum
(i) Quantity of Incinerable HW	2009.447 MT/Annum
(ii) Quantity of land-fillable HW	3773.447 MT/Annum
(iii) Quantity of Recyclable / utilizable HW	898.829 MT/Annum
No of captive/common TSDF	02 (BOWML, Kanpur and UPWMP, Kanpur)
Contaminated Sites or probable contaminated sites	Nil

b. Identification of gaps and action plan:

S. No.	Action points	Identification of Gaps	Action Plan			Responsibility	Timeline for completion of action plan
			Action Point	Budget Required	Budget Available		

1.	Regulation of industries and facilities generating Hazardous Waste	Yes all hazardous waste industries are identified and authorized by SPCBs/PCCs	SPCB/PCC is ensuring that all hazardous waste Industries are authorized and system of safe disposal.	Not Required	Not Required	UPPCB	Complied/ Ongoing
2.	Establishment of collection centres	District does not has collection centres but linkage is present with common TSDFs / recyclers	(Bharat Oil & Waste Management Ltd (BOWML) Kanpur and Uttar Pradesh Waste Management Project	Not Required	Not Required	Local authority/ UPPCB	Complied
3.	Training of workers involved in handling/ recycling/disposal of HW	Facilities /industries engaged in recycling/pre-processing/ disposal of hazardous waste in the district.	Trainings and workshops are being organized for workers on safety aspects through Department of Industries.	Not Required	Not Required	UPCB/ Industry	Complied/ Ongoing
4.	Availability/ Linkage with common TSDF or disposal facility	Yes generators of HW have access to common TSDF in the State.	Evaluation is being done on existing storage and captive disposal facilities by UPPCB	Not Required	Not Required	Industry/UP PCB	Complied/ Ongoing
5.	Contaminated Sites	No contaminated site identified	Presently there is no contaminated site in Ghaziabad	Not Required	Not Required	Department of Environment/ District Administration/ UPPCB	Complied/ Ongoing

(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	40,526 MT/A
Collection centers established by ULBs in the District	NIL
Collection centers established by Producers or their PROs	NIL
No authorized E-Waste recyclers /Dismantler	Authorization to the 08 units (06 units dismantling & segregation and 01-unit recycling of E-waste) granted by UPPCB.

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	Inventory Completed	Time to time updation is being done	Not Required	Not Required	UPPCB/	Regular survey is being carried out by UPPCB presently 08 units (06 units dismantling & segregation and 02 units recycling of E-waste) have been identified.

2	E-Waste collection points	Availability of E-Waste collection points is being done	ULB have authorized 2 vendors through E-tender process to collect E-waste(Door-to-Door) on request generated basis	Not Required	Not Required	Nagar Nigam/ULBs	Ongoing
3	Linkage among Stakeholders to channelize E-Waste	District administration has information on collection centres established by Producers/PROs.	ULB have authorized 2 vendors through E-tender process to collect E-waste(Door-to-Door) on request generated basis. Rates are fixed by ULB for different E-Wastes.	Not Required	Not Required	UPPCB/ULBs	Ongoing
4	Regulation of Illegal E-Waste recycling / dismantling	Prevalence of informal trading, dismantling, and recycling of E-waste in District	Regular inspections are being done..	Not Required	Not Required	District Administration /ULBs/UPPCB/ RTO	Ongoing
5	Integration of informal sector	Under process	Evolution mechanism by involving producers/ PROs. is being done	Not Required	Not Required	UPPCB	Ongoing
6	Awareness and Education	Awareness programmes are being organized. There is no gap in awareness	Special workshops and awareness campaigns through Producers/PROs are being done time to	-Rs. 30,000/- for awareness purpose regarding	NIL	ULBs/ UPPCB/ Development Authority/ NGOs/Education Department	Ongoing

			time	environ mental manage ment for Ghaziab ad and Hapur -Rs. 20,000/- for events like environ ment' day etc.			
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3.0 Air Quality Management

a. Current Status related to Air Quality Management

Details of Data Requirement	Present Status
Number of Automatic Air Quality monitoring stations in the district. - Operated by SPCB / State Govt / Central govt./ PSU agency: - Operated by Industry:	04 1. Vasundhara Sec. 16, Ghaziabad 2. District Combined Hospital, Sanjay Nagar 3. Gyan Khand, Indirapuram, Ghaziabad 4. Nagar Palika Parishad, Loni
Number of manual monitoring States operated by SPCBs	Total 06 (02 self/ 04 outsource)
Name of towns/cities which are failing to comply with national ambient air quality stations	Ghaziabad city is falling under NACs
No of air pollution industries	296
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/Road Dust/Brick kilns/Stubble Burning/waste burning etc.

b. Identification of gaps and action plan:

S. No.	Action points	Indicative Action Plan	Responsib le agency	Timeline for completion of action plan

		Action Point	Budget Required	Budget Available		
1.	Identification of prominent air polluting sources?	Emission inventory is done and time to time updation is being done	Not Required	Not Required	UPPCB	Regular
2.	Ambient Air quality data?	Access is available to get air quality data.	Not Required	Not Required	UPPCB	Regular
3.	Setting up of Continuous Ambient Air Quality Monitoring Station	CAAQMS are present in district	Not Required	Not Required	UPPCB	Compiled & Requirement of One CAAQMS
4.	District Level Action Plan for Air Pollution	Covered under Non-attainment and million plus cities	Not Required	Not Required	UPPCB	Covered under NACs
5.	Hot-spots of air pollution in District	Hot spot identified in Ghaziabad	Not Required	Not Required	UPPCB	Complied/ Regular Process (Hot spot Action plan is prepared and under implementation)
6.	Awareness on Air Quality	Mobile App/ Online portal for dissemination of air quality complaints is already in process.	Rs. 30,000/- for awareness purpose regarding environmental management for Ghaziabad and Hapur	NIL	UPPCB/ NIC	Complied
			-Rs. 20,000/-			

			for events like environment' day etc.			
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4.0 Water Quality Management

4.1 Water Quality Monitoring

a. Current Status related to Water Quality Management

Details of Data Requirement	Present Status
Rivers	02 (Hindon/Yamuna/Kali (East).
Length of Coastline (if any)	-
Nalas/ Drains/Creeks meeting Rivers	12
Lakes / Ponds	882
Total Quantity of sewage from towns and cities in District	375 MLD Sewage
Quantity of industrial wastewater	16.406 MLD Industrial
Percentage of untreated sewage	Approx. 20%
Details of bore wells and number of permissions given for extraction of groundwater	No. of firm/company -248 No. of Noc issued for Borewell-467
Groundwater polluted areas if any	02 (Sahibabad and Lohia Nagar, Meerut Road
Polluted river stretches if any	15 km of river Hindon

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
		Action Point	Budget Required	Budget Available		

1.	Inventory of water bodies	Inventory is being done under River Action Plans.	Not Required	Not Required	UPPCB/Jalkal(GNN)/Jal Nigam/Irrigation Dep.	Complied
2.	Quality of water bodies in the district	Quality of water bodies is being done regularly and analysis data is being uploaded on River Monitoring portal and EWQDES portal	Not Required	Not Required	UPPCB/ Jal Nigam	Complied. Ongoing process
3.	Hotspots of water contamination	Identified and work is ongoing	Not Required	Not Required	UPPCB/ Jalkal (GNN)/ Jal Nigam	Complied. Ongoing process
4.	Protection of river/lake water front	Complied	Not Required	Not Required	Nagar Nigam/Nagar Palaika/ /Jal Nigam	Complied
5.	Inventory of sources of water pollution	Inventory is being	Not Required	Not Required	Jalkal (GNN)/ UPPCB	Bi-annual
6.	Oil spill disaster management (for coastal districts)	Not required	None	None	None	None
7.	Protection of flood plains	Yes	Not Required	Not Required	Irrigation Department	Ongoing
8.	Rejuvenation of groundwater	Check availability of groundwater and if required preparation plan to rejuvenate groundwater in selected areas. Action plan should be prepared	Not Required	Not Required	UPGWD/Jal Nigam	Complied

		for Rain water harvesting				
9.	Complaints redressal system	Complaints redressal system is present through Mobile apps and through social media	Rs. 30,000/- for awareness purpose regarding environmental management for Ghaziabad and Hapur -Rs. 20,000/- for events like environment ' day etc.	NIL	UPPCB	Complied. Ongoing process

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	8
No of Class-I towns and above	1
No of Towns STPs installed	10 (Total 515 MLD capacity)
No of Towns needing STPs	02 (01 in Loni and 01 in Modinagar)
No of ULBs having partial underground sewerage network	01 (in Loni)
No of towns not having sewerage network	02 (1. Loni, 2. Modinagar (under process))
Total Quantity of Sewage generated in District from Class II cities and above	289.42 MLD
Quantity of treated sewage flowing into Rivers(directly or indirectly)	375.0 [MLD]
Quantity of untreated or partially treatedsewage (directly or indirectly)	70 MLD
Quantity of sewage flowing into lakes	Nil
Total available Treatment Capacity	515 MLD

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

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion
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		Action Point	Budget Required	Budget Available		n of action plan
1.	Sewage Treatment Plants (STPs)	Existing capacity of STPs is adequate for treatment of sewage	Not Required	Not Required	Jal Nigam/UD /GDA/	Complied
2.	Underground sewerage network	Sewerage network is available in the district	Not Required	Not Required	Jal Nigam/ GNN/GDA	Complied

Industrial wastewater management

a. Current Status related to Industrial Wastewater Management

Number of Red, Orange, Green and White industries in the district	Nos of Red industries 443, Nos of Orange industries 623, Nos of Green industries 247
No of Industries discharging waste water	310
Total Quantity of industrial waste water generated	16.4067 MLD
Quantity of treated industrial waste water discharged into Nalas /Rivers	16.4067 MLD
Common Effluent Treatment Facilities	01
No. of Industries meeting Standards	130 Units have been found Compliant out of 171 units from which samples has been drawn as per last quarter report (July 2022 to Sept. 2022)
No of Industries not meeting discharge Standards	41 Units have been found non-compliant out of 171 units from which samples has been drawn as per last quarter report (July 2022 to Sept. 2022)

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

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

1.	Compliance to discharge norms by Industries	Regular inspection and monitoring is being done. Action against non-compliant industries is being implemented.	Not Required	Not Required	UPPCB	Immediate
2.	Complaint redressal system	Complaint redressal system is present through social media and mobile apps like sameer app etc.	Rs. 30,000/- for awareness purpose regarding environmental management for Ghaziabad and Hapur -Rs. 20,000/- for events like environment day etc.	NIL	UPPCB	Immediate

5.0 Mining Activity Management plan

a. Current Status related to Mining Activity Management

Details of Data Requirement	Existing Mining operations
Type of Mining Activity	Open Casting Sand Mining
No of licensed Mining operations in the district	03
% Area covered under mining in the district	1. Pachaira Khand- 01 (Presently closed)
Area of Sand Mining	2. Pachaira Khand- 01 (Operational)
Site of sand Mining	3. Navraspur River Bed (1) Loni, Ghaziabad- site yet to be start

b. Identification of gaps and action plan:

S. No.	Action points	Gaps and Action Plan			Responsibility agency	Timeline for completion of action plan
		Action Point	Budget Required	Budget Available		

1.	Monitor ing of Mining activity	A district level task team may be identified to identify mining activity and to monitor status wither respect to environmental compliance	Not required	Not required	District Mining Department	Ongoing Process
2.	Inventory of illegal miningif any mining	Action plan to identify illegal sand and other mining activity in the district through surveillance, patrolling and enforcement. District Level task Force may be constituted for control of illegal mining activity	Not required	Not required	District Administration/District Mining Department	Ongoing Process
3.	Environment compliance by Mining industry	Action plan for periodic verification of compliance to environmental Conditions stipulated by SPCBs/PCC,MoEF&C C department of mines etc. SPCBs/PCC may be involved in this activity.	Not required	Not required	District Mining Department	Ongoing Process

1.0 Noise Pollution Management plan

a. Current Status related to Noise Pollution Management

Details of Data Requirement	Measurable Outcome
No. of noise measuring devices available with various agencies indistrict	02 (UPPCB)

b. Identification of gaps and action plan:

S. No.	Action points	Gaps and Action Plan	Responsibl eagency	Timelin e for complet

		Action Point	Budget Required	Budget Available		ion of action plan
1.	Availability of Sound/ Noise Level Meters.	No Gap	Not Required	Not Required	UPPCB/ District Administration/ULBs/S HOs/Traffic Police	Complied
2.	Ambient Noise Level monitoring.	Monitoring is being done by UPPCB	Not Required	Not Required	UPPCB/ ULBs	Immediate
3.	Signboards in Noise zones	District administration may ensure that adequate number of sign boards installed at sensitive zones in towns / cities in towns and cities. An action plan may be prepared by district authority.	Not Required	Not Required	District Administration/ULBs/Police	Immediate
4.	Complaint redressing system	Action plan may envisage implementing a public complaint redressed system for noise pollution. Such application may be used by SHOs, Traffic police ULBs and SPCBs in the district.	Rs. 30,000/- for awareness purpose regarding environmental management for Ghaziabad and Hapur -Rs. 20,000 /- for events like environment's day etc.	NIL	District Administration/Police Administration/ULBs/ UPPCB	Immediate

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

- **References:**

<https://ghaziabad.nic.in/en/district-at-a-glance/>

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