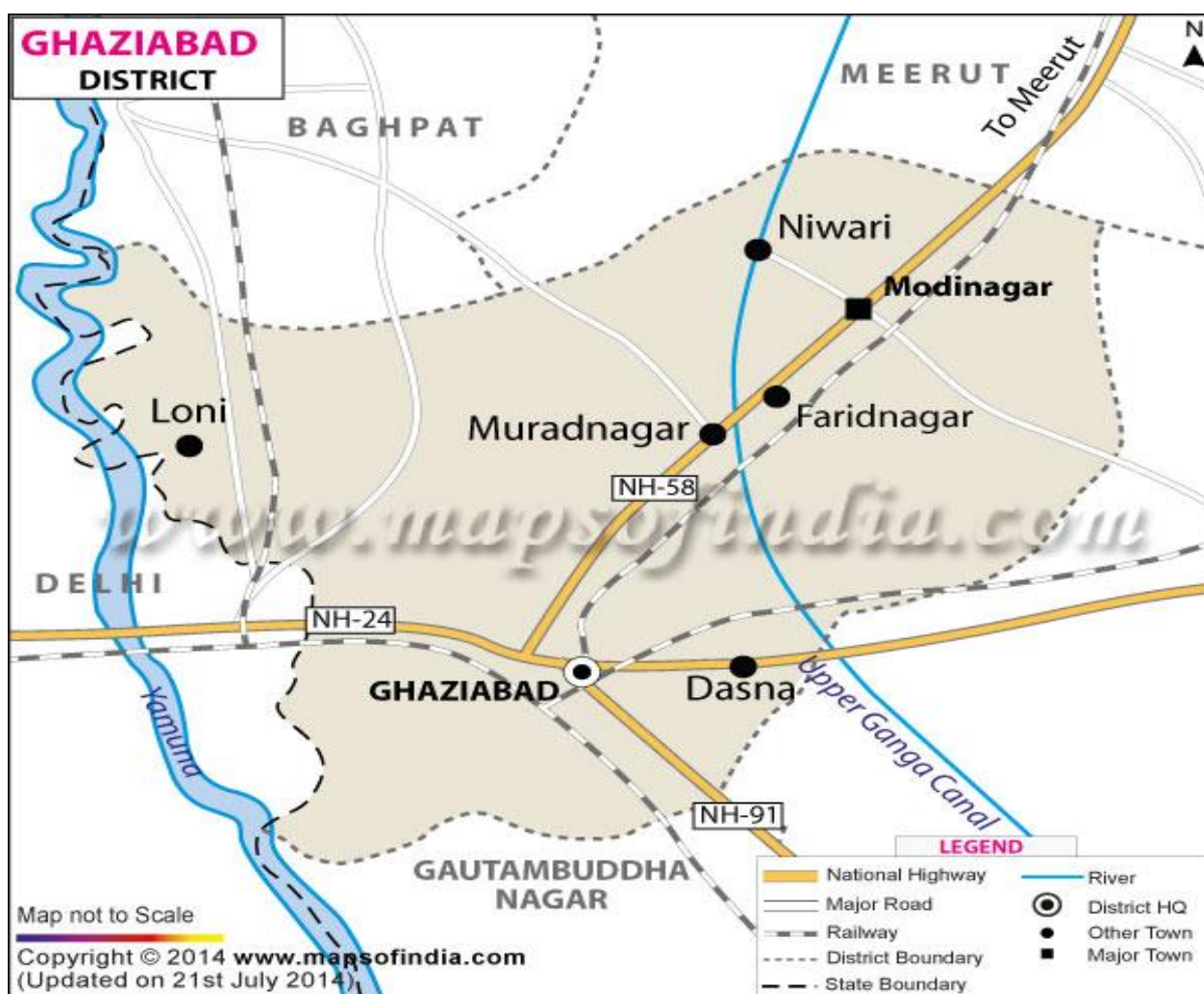


District Environment Plan for District - Ghaziabad (U.P.)



Collectorate- Ghaziabad District – Ghaziabad (U.P.)
Address: District Magistrate Office, Collectorate, Rajnagar,
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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.

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 77012' 78013' latitude 28026' 28054' 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	Surendra Singh	Divisional Commissioner of Ghaziabad Division
2	Mr. Rakesh Kumar Singh	District Magistrate
3	Shri Krishna Karunesh, IAS	Vice Chairman, GDA
4	Smt. Asmita Lal, IAS	Chief Development Officer
5	Shri Mahendra Singh Tanwar, IAS	Municipal Commissioner
6	Dr. Narendra Kumar Gupta	Chief Medical Officer
7	Mrs. Ritu Suhas	ADM (Administration)
8	Shri Shailendra Kumar Singh	ADM (City)
9	Shri Yashwardhan Srivastava	ADM (F&R)
10	Shri Vipin Kumar	City Magistrate
11	Shri Devendra Pal Singh	SDM (Sadar)
12	Shri Aditya Kumar Prajapati	SDM, Modinagar
13	Mrs. Shubhangi Shukla	SDM, Loni

Blocks –

S. No.	Block Name	Village
1.	Rajapur	85
2.	Bhojpur	156
3.	Muradnagar	96
4.	Loni	96
	Total	266

Tehsil–

S. No.	Tehsil Name	Revenue Village
1.	Ghaziabad	85
2	Modinagar	131
3.	Loni	50

Village & Panchayats

There are 162 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

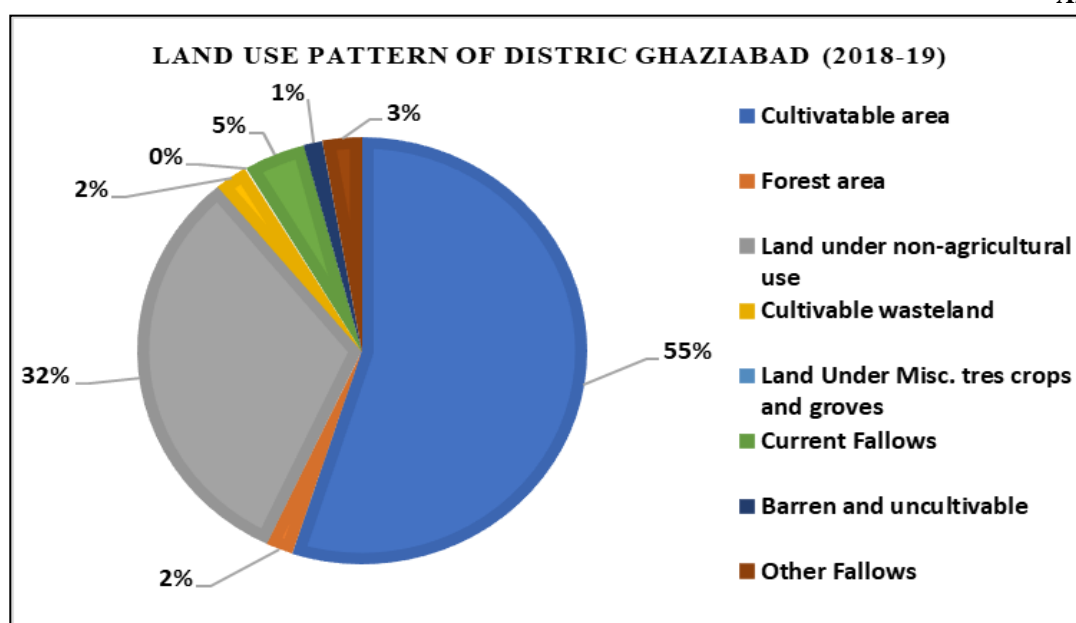
Population Growth	42.27%	46.89%
Area Sq. Km	1,179	1,179
Density/km2	3,971	2,800
Proportion to Uttar Pradesh Population	2.34%	1.98%
Sex Ratio (Per 1000)	881	860
Child Sex Ratio (0-6 Age)	850	854
Average Literacy	78.07	69.74
Male Literacy	85.42	79.84
Female Literacy	69.79	58.01

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. tres 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)	94	383186	1648643	1050 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 /Blocks	No of Households	Population	Solid Waste Generated per day
1	Block /Taluk / Mandal Tehsils	04	Not Available	NA	NA
2	Village/Gram Panchayats	64	NA	NA	NA

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	Whether segregation at source practiced by households and other waste generators	Action plan to achieve segregation at source. Awareness programs, incentives, etc. may be considered	52 Lacs	0	Nagar Nigam/ Development Authorities/Waste Generator	Ongoing -Nagar Nigam involving NGOs for Awareness programs, incentives, etc.
2.		Sweeping					

(i)	Manual Sweeping Ghaziabad	regular sweeping - % or length of road not covered for regular sweeping - Gaps in manpower - Gap in availability of sweeping tools/ equipment - Availability of suitable PPEs	Action plan for reducing gap including method cleaning, frequency of sweeping etc.	3 CR	0	Nagar Nigam, Ghaziabad	Ongoing -(Beet rout has been prepared for manual sweeping)
(ii)	Mechanical Road Sweeping & Collection	Gaps if any in achieving targeted area or length of road identified for Mechanical Road Sweeping.	Projected growth /Intended action plan with timelines	2.70 Crores	0		Complied (Purchase of 05 Road sweeping machines and 10 trash cleaners is in process by Oct. 2021)
3. Waste Collection							
(i)	100% collection of solid waste	Whether 100% collection Achieved?	Action plan to improve existing collection	2.67 Cr.	17 lakh	Nagar Nigam, Ghaziabad/ULBs	Ongoing. (07 Centres are established for both collection and transportation. 300 vehicles for waste transportation will be added within a month)
(ii)	Arrangement for door-to-door collection	Arrangement for door to door provided: % of blocks/	If there is gap, action plan for	NA	NA	Nagar Nigam, Ghaziabad/ULBs	Ongoing

		wards covered	door-to-door collection across the district				
(iii)	Waste Collection trolleys with separate compartments	Check availability and adequacy and if it needs up gradation	Action plan for procurement if required	NA	NA	Nagar Nigam, Ghaziabad/ULBs	Complied
(iv)	Mini Collection Trucks with separate compartments	Check if adequate or needs upgradation or not required	[Action plan for procurement if required]	9.30 Cr	0	Nagar Nigam, Ghaziabad/ULBs	Complied
(v)	Waste Deposition Centers (for domestic hazardous wastes)	Number of deposition centers required and Nos. available Or Any alternate Arrangement.	Details of existing practice and scope for improvement or implement adequate system	NA	NA	Nagar Nigam, Ghaziabad/ULBs	Ongoing. (Door to door vehicles is equipped to collect Hazardous Waste)
4Waste Transport							
(i)	Review existing infrastructure for waste Transport.	[Check (i) whether existing fleet is adequate (ii) check whether segregated wastetransport Possible, etc.]	Action plan for shortcomings identified.	NA	NA	Nagar Nigam, Ghaziabad/ULBs	One Month (Transfer stations will be established within a month)
(ii)	Bulk Waste Trucks	[check adequacy]	[action plan for procurement if required]	NA	NA	Nagar Nigam, Ghaziabad/ULBs	Adequate

(iii)	Waste Transfer points	[check whether available / adequacy]	[action plan for installation if required]	NA	NA	Nagar Nigam, Ghaziabad/ULBs	Complied (Avaialable-60 Required-04 are under process)
5 Waste Treatment and Disposal							
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules)	Whether numberof bulk waste generators identified for installation	Action for getting onsite composting plants commissioned	NA	NA	Nagar Nigam, Ghaziabad/ULBs	Nagar Nigam NOCs not taken before issuing EC, CC and other certificate to builders by GDA
(ii)	Wet-waste Management: Facilities for central Bio machination/ Composting of wets waste.	Whether facility exists / functional/needs up gradation?	If not action planfor developin g / upgradati on of bio-methanati onor composti ng facility	5CR	0	Nagar Nigam, Ghaziabad/ULBs	Under Process
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	Whether MRF facility exists? /is there any arrangement to sending the dry-waste to any common MRF or sent to Waste toenergy plant or % dry-waste converted as RDFFor Need to set-upown Waste to Energy plant?	Action plan for use of dry segregated wastein MRF operation	5CR	0	Nagar Nigam, Ghaziabad/ULBs	Complied (Two garbage factory is in operational and one more will be operated after approval)
(iv)	Disposal of inertand non-	Does the agencystill	Action plan (i) to	NA	NA	Nagar Nigam, Ghaziabad	Ongoing

	recyclable wastes: Sanitary Landfill	disposing waste in dumpsites? Whether sanitary landfill available / Plan for constructing sanitary landfill or arrangement with ULBs	construct sanitary landfill If required (ii) Action plan to minimize land filling			d/ULBs	
(v)	Remediation of historic / legacy dumpsite	Whether existing old dumpsite if any required remediation as per rules?	Action plan for remediation of legacy / historic dumpsite	NA	NA	Nagar Nigam, Ghaziabad/ULBs	Complied (Two garbage factory is in operational and one more will be operated after approval)
(vi)	Involvement of NGOs	Whether involvement of NGOs envisaged	NGOs can be involved for management of solid waste campaign	NA	NA	Nagar Nigam, Ghaziabad/ULBs	Under Process
(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	Retender	NA	UPPCB/ Nagar Nigam, Ghaziabad	Complied -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.
(viii)	Authorization of Waste Pickers	Yes/No Yes	List of authorized waste pickers should be Available (total 2009 rag pickers)	NA	NA	Nagar Nigam, Ghaziabad	Complied
(ix)	Preparation of own by-laws to comply with SWM Rules 2016	Yes/No	If not prepare daction plan for preparation of by-laws which	NA	NA	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)	203 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
2	Block /Taluk / Mandal Tehsils	Not Available
3	Village/Gram Panchayats	NA

b. Identification of gaps and Action plan:

S. No.	Action points for village panchayats/ blocks/	Identification of gap	Action plan	Agencies Responsible	Target time for Compliance

	municipalities /corporations		Action Point	Budget Required	Budget Available		
1.	Door to Door collection of dry waste including PW	[100%] / [partial %] / [not initiated]	If not 100 %, action plan for door-to-door collection of SW	9.30	0	Nagar Nigam	Ongoing
2.	Facilitate organized collection of PW at Waste transfer point or Material Recovery Facility	This infrastructure is linked to SW management. May check gaps with respect to: <ul style="list-style-type: none"> • Availability of transfer points and material recovery facility • Involvement of informal sector /NGO. • Registering waste pickers • Linkage with PWrecyclers Involvement of producers and brand-owners	Within the district outline specific plans for Each village panchayat/ block/municipality/Nagar panchayat Corporations for plastic waste collection	5CR	0	ULBs/ Panchayati Raj/Nagar Nigam, Ghaziabad/UPP CB	Ongoing
3.	PW collection Centres	Local Bodies may set-up own centres and also involve producers and brand-owners or their PROs to facilitate setting up of collection centres.	Plastic waste collection centre should be established in adequate numbers. Coordination with State Urban Department	5 CR	0	Nagar Nigam /ULBs/ Panchayati Raj	Ongoing/Immediate

			may be necessary				
4.	Awareness and education programs implementation	Review existing gaps in creating awareness among public for minimising and recycling PW	Education through mass media, schools, Producer / brandowner campaigns and other channels	10 LAKH	0	ULBs/ UPPCB/ Development Authority/ NGOs/ Education Department	Ongoing
5.	Access to Plastic Waste Disposal Facilities	Check if District has access to PW recycling/utilization or disposal facilities.	Check if 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 making. Action plan at district should	5 CR	0	Nagar Nigam	Complied -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.

			involve Urban and Rural Local bodies				
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Action plan should cover all village panchayats/ blocks/ town municipalities/City corporations. Action plan need not be prepared in Tabular form as above. Action plan may dwell upon other relevant action points not mentioned in above template. If required budgetary requirement and provisions may also be mentioned

(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)	220 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 municipalities/ City corporations	Identification of Gaps	Action Plan			Responsibility	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.	Check gaps w.r.t: - Separate collection point of C&D Waste - Identification of common C&D waste depositio	Action plan for every local body in district. District may identify common C&D waste deposition points.	1CR	0	Nagar Nigam, Ghaziabad	Complied/ Ongoing

		points					
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?	Check ga ps with respect to: Local by-laws to pay user fee Implementation of a system to permit bulk generators (>20 tons in one day or 300 tons per project)	Common by-laws may be implemented in District. Local C&D waste management plans can be integrated to develop common collection and recycling facilities	NA	NA	Nagar Nigam, Ghaziabad	Complied/ Ongoing
3.	C&D recycling Facility	Check whether district has any C&D waste recycling facility	Action plan for setting up C&D recycling facility in the district or tie-up with any other district or ULB for setting up common facilities. Plan should ensure viable operation of C&D plant including assured market For C&D products.	NA	NA	Nagar Nigam, Ghaziabad	Complied (Nagar Nigam Operating a recycling plant having capacity 400TPD)

4.	Usage of recycled C&D waste in non-structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	Is there any policy on usage or promotion on usage of C&D waste?	Local authority may make give appropriate incentives on usage of C & D waste. A % of usage in public works may be specified / any other scheme.	72 LAKH	0	Nagar Nigam, Ghaziabad	Complied (Nagar Nigam using the C&D waste in the paving blocks, lower layers of road pavements etc.)
5.	ICE on C & D waste management	Is there any sustained system of creating awareness created among local communities?	Action plan for awareness and education	10 Lakh	0	ULBs/UPPCB/Development Authority/NGOs/Education Department/Nagar Nigam	Ongoing

(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 of Healthcare Facilities	Check whether all HCFs including, clinics, hospitals, veterinary hospitals, Aayush hospitals, animal houses, etc Generating biomedical waste area identified and authorised by SPCBs/PCCs	Action plan for completing/ updating inventory and of HCFs SPCBs/ PCCs	NA	NA	UPPCB/ CMO	Immediate
2.	Adequacy of facilities to treat biomedical waste	Check if there is any gap between Quantity of Biomedical Waste generated per day and quantity of Biomedical Waste treated disposed in the district? In case of no access to	Action plan for setting-up CBWTF or providing access to CBWTF with 75 Km from places waste generation	NA	NA	UPPCB	Complied (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,

		CBWTFs, adequacy of existing disposal of BMW	n. Including identification of site for setting up such facility. Action plan for management of BMW through captive facilities incase of no access to CBWTF				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.)
3.	Tracking of BMW	Check whether bar code system is implemented by all HCFs and CBWTFs?	Plan implementation of bar code system by all HCFs and CBWTFs in the district.	NA	NA	UPPCB/ Health Department	Complied
4.	Awareness and education of healthcare staff	Whether training has been organized for all stakeholders?	Action plan for awareness programs and training to healthcare staff and ULB officials.	NA	NA	ULBs/ UPPCB/ Development Authority/ NGOs/Education Department	Ongoing
5.	Adequa	Whether adequate	Action	NA	NA	Health Department	Immediate

	cy of funds	funds is allocated to Government health care facilities for bio-medical waste management by State Govt.?	plan for ensuring adequate funds to Government health care facilities for bio-medical waste management by State Govt.			t	
6.	Compliance to Rules by HCFs and CBWTFs	Is there any district level mechanism to monitor compliance by Hospitals / HCFs?	Draw action plan to monitor compliance of HCFs and CBWTFs through SPCBs/PCCs.	NA	NA	UPPCB/ Health Department/CMO	Immediate
7.	District Level Monitoring Committee	Check whether District Level Monitoring Committee has been constitute and meetings are being organized?	Actin plan w.r.t Periodicity Identify teams in health department to monitor compliance.	NA	NA	UPPCB/Forest Department	Complied

8.	Waste water Treatment	Check if HCFS are required to install ETPs waste water generated.	Action plan for installation of ETPs By HCFS where applicable.	NA	NA	UPPCB	Immediate
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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	376
Quantity of HW in the district	4540.762 MT/Annum
(i) Quantity of Incinerable HW	216.796 MT/Annum
(ii) Quantity of land-fillable HW	2370.177 MT/Annum
(iii) Quantity of Recyclable / utilizable HW	1953.789 MT/Annum
No of captive/common TSDF	02 (BOWML, Kanpur and UPWMP, Kanpur)
Contaminated Sites or probable contaminated sites	04

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	Check whether all hazardous waste industries are identified and authorized by SPCBs/PCCs	SPCB/PCC should ensure that all hazardous waste industries are authorized and a system of safe disposal is in place.	NA	NA	UPPCB	Complied/ Ongoing
2.	Establishment of collection centres	Check district has collection centres for hazardous wastes with linkage to common TSDFs / recyclers	Local authority should ensure that adequate number of collection centres should be established and are linked to Common TSDFs.	NA	NA	Local authority/ UPPCB	Complied (Bharat Oil & Waste Management Ltd (BOWML)Kapur and Uttar Pradesh Waste Management Project
3.	Training of workers involved in handling/recycling/disposal of HW	Identify facilities /industries engaged in recycling/pre-processing/disposal of hazardous waste in the district.	Action plan to train the workers on safety aspects through Department of Industries as per provisions under HOWM Rules, 2016	NA	NA	UPCB/ Industry	Complied/ Ongoing
4.	Availability/Linkage with common TSDF or disposal facility	Check if the generators of HW have access to common TSDF in the State?	Action plan to ensure all generators are linked to TSDF / Action plan in case there is no TSDF in the district or State – in such case evaluate existing	NA	NA	Industry/UP PCB	Complied/ Ongoing

			storage and captive disposal facilities through SPCBs/PCCs				
5.	Contaminated Sites	Are there any sites where soils /sediments /groundwater contaminated due to dumping of industrial wastes	Action plan Contaminated site etc. and to remediate contaminated sites	NA	NA	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	Check whether SPCB/PCC has completed inventory of E-Waste in the District. Inventory of	Completion of inventory	NA	NA	UPPCB/	Regular survey is being carried out by UPPCB presently 08 units (06 units dismantling

		bulk waste generators					& segregation and 02 units recycling of E-waste) have been identified.
2	E-Waste collection points	Availability of E-Waste collection points/call centres/kiosks in villages-Blocks / /towns/ cities	Identification/ registering E-Waste collection centres in association with Producers - their PROs or Recyclers	NA	NA	Nagar Nigam/ULBs	06 Months
3	Linkage among Stakeholders to channelize E-Waste	Check whether District administration has information on collection centres established by Producers/PROs? Administration should also identify authorised E-Waste recyclers in the district or in State to channelize E-waste collected in District.	Action plan to establish linkages between ULBs/Collection Centres of Producers and PROs/SPCBs /Bulk waste generators/ Recyclers/SPCBs/District Administration/ Public	NA	NA	UPPCB/ULBs	06 Months
4	Regulation of Illegal E-Waste recycling / dismantling	Prevalence of informal trading, dismantling, and recycling of E-waste is in District	Action plan in coordination with SPCBs/PCCs and District Administration to check this activity.	NA	NA	District Administration /ULBs/UPPCB/ RTO	Immediate

5	Integration of informal sector	Whether mechanism exists for bringing informal sector into main stream in collection and recycling of E-Waste	Evolve mechanism by involving producers/ PROs.	NA	NA	UPPCB	Ongoing
6	Awar eness and Educ ation	Are there any programs at district level for awareness about E- waste management?	Plan special workshops and awareness campaigns through Producers/P ROs	-Rs. 30,000/- for awarene ss purpose regardin g environ mental manage ment for Ghaziab ad and Hapur -Rs. 20,000/- for events like environ ment' day etc.	NIL	ULBs/ UPPCB/ Development Authority/ NGOs/Education Department	Ongoing

Targets for collection of their E-Waste are given to each Producers. Every Producers should have installed a network of collection centres pan India, accordingly, every district should be covered. SPCBs/PCCS are given mandate to ensure implementation of EPR authorization. Therefore, district administration should have all information about collection centers/call centers established by various producers in the District. Such information should be disseminated to public and local administration.

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	04

stations in the district. - Operated by SPCB / State Govt / Central govt./ PSU agency: - Operated by Industry:	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	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

b. Identification of gaps and action plan:

S. No.	Action points	Indicative Action Plan			Responsible agency	Timeline for completion of action plan
		Action Point	Budget Required	Budget Available		
1.	Identification of prominent air polluting sources?	Carry out inventory of air pollution sources in District including hotspots or areas of concern pertaining to air pollution in association with SPCBs/PCCs may	NA	NA	UPPCB	Regular
2.	Ambient Air quality data?	Plan to get access to available air quality monitoring stations in the district operated by both Public and private agencies.	NA	NA	UPPCB	Regular
3.	Setting up of Continuous Ambient Air Quality Monitoring	Like weather station, District may also have ambient air	NA	NA	UPPCB	Complied

	Station	<p>quality monitoring at major urban settlements or populated areas. Action plan may propose setting up at least one CAAQMS in District. Also access data generated by CAAQM stations installed by other pvt/public agencies. District authority in association with local office of SPCB/PCC should also ensure that at least one manual Air Quality monitoring station is available in each city.</p> <p>[District admin may set-up its own network of CAAQMS or manual stations]</p>				
4.	District Level Action Plan for Air Pollution	<p>Action plan should be prepared for both improvement of existing air quality as well as for non-attainment days to national ambient air quality standards.</p> <p>[Measures may include multi sectoral approach for air pollution controls such as</p>	NA	NA	UPPCB	Covered under NACs

		promotion of public transport, use of green fuels, E-mobility, LPG based cooking, carpeting open areas/kerbs, etc. Action plans envisaged in NCAP project initiated by MoEF&CC may be referred]				
5.	Hot-spots of air pollution in District	hotspot with respect to air pollution (such as stubble burning, illegal Municipal Solid waste burning, unauthorized operations, cluster activities, forest fires etc.) should be identified and localized action plan for mitigation of the same should be prepared	NA	NA	UPPCB	Complied/ Regular Process
6.	Awareness on Air Quality	Plan for dissemination of information on local air quality in towns and cities located in District. May consider developing Mobile App /Online portal for dissemination of air quality as well as to take complaints on local Air Pollution.	Rs. 30,000/- for awareness purpose regarding environmental management for Ghaziabad and Hapur -Rs. 20,000/- for events like	NIL	UPPCB/ NIC	Mobile App/ Online portal for dissemination of air quality complaints is already in process.

			environme nt' day etc.			
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The district administration is expected know the air quality in the district, identify air polluting sources both industrial and urban area sources and shall monitor mitigation measures and compliance of air polluting sources. District level air quality management plan is necessary to monitor and implement programs for improving air quality in the district.

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). Yamuna does not traverses through the boundary of Ghaziabad but 02 drains of Ghaziabad meets river Yamuna in Delhi
Length of Coastline (if any)	-
Nalas/ Drains/Creeks meeting Rivers	12
Lakes / Ponds	882
Total Quantity of sewage from towns and cities in District	410 MLD Sewage
Quantity of industrial wastewater	24.8834 MLD Industrial
Percentage of untreated sewage	
Details of bore wells and number of permissions given for extraction of groundwater	Related to CGWA
Groundwater polluted areas if any	02 (Sahibabad and Lohia Nagar, Meerut Road
Polluted river stretches if any	NIL

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

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

1.	Inventory of water bodies	An environmental monitoring cell shall maintain data of all water bodies (rivers / canals / natural drains / creeks / estuaries / groundwater / ponds / lakes / etc.) in district including its waterquality	NA	NA	UPPCB/Jalkal(GNN)/ Jal Nigam/Irrigation Dep.	Partially Complied/Ongoing process
2.	Quality of water bodies in the district	Check availability of data on water bodies. Create a district level monitoring cell for periodic monitoring of water bodies for specific parameters in association with SPCBs. It is also necessary to disseminate information pertaining to water quality in the form of hoardings on river banks, official websites, etc.	NA	NA	UPPCB/ Jal Nigam	Complied. Ongoing process
3.	Hotspots of water contamination	Check trends of water quality and identify hotspot of surface water and ground water. Establish a system or separate cell to monitor water quality. Implement action points for restoration of water quality in association with SPCBs and	NA	NA	UPPCB/ Jalkal (GNN)/ Jal Nigam	Complied. Ongoing process

		department of environment.				
4.	Protection of river / lake water front	Action plan should be prepared for control river side open defecation, dumping of Solid waste on river banks, for idol immersion etc.	NA	NA	Nagar Nigam/Nagar Palaika/ /Jal Nigam	
5.	Inventory of sources of water pollution	Check whether inventory of all sewage and wastewater discharge points into water bodies in the district. Action plan to complete inventory.	NA	NA	Jalkal (GNN)/UPPCB	Bi-annual
6.	Oil spill disaster management (for coastal districts)	Whether district oil spill crisis management group and District Oil Spill Disaster Contingency Plan has been created? If not, create District	None	None	None	None
7.	Protection of flood plains	Check whether there is regulation for protection of flood plain encroachment? Action plan should be prepared for protection flood plain and prevention of encroachment.	NA	NA	Irrigation Department	
8.	Rejuvenation of groundwater	Check availability of groundwater and if required preparation plan to rejuvenate ground water in selected areas.	NA	NA	UPGWD/Jal Nigam	

		Action plan should be prepared for Rain water harvesting				
9.	Complaints redressal system	Check whether there is any complaint redressing system based on Mobile App / Online, is available? If not, a complaint redressing system based on Mobile App /Online should be available at district level	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	NIL
No of Class-I towns and above	NIL
No of Towns STPs installed	10
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)	295 [MLD]
Quantity of untreated or partially treatedsewage (directly or indirectly)	70 MLD treated in STPs rest (approx. 150 MLD) untreated sewage discharged into Sahadra drain
Quantity of sewage flowing into lakes	Nil
Total available Treatment Capacity	459 MLD

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

S. No.	Action points	Gaps and Action Plan			Responsible agency	Timeline for completion of action plan
		Action Point	Budget Required	Budget Available		
1.	Sewage Treatment Plants (STPs)	Check whether Existing capacity of STPs is adequate for treatment of sewage? If no, action plan for additional treatment capacity required should be prepared in association with ULBs/department of UD,	NA	NA	Jal Nigam/UD /GDA/	Complied
2.	Underground sewerage network	Check available Sewerage network and prepare Action plan for laying of sewerage network in town and cities. The project may be executed through ULBs and Department of UD.	NA	NA	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	443
Total Quantity of industrial waste water generated	24.883 MLD
Quantity of treated industrial waste water discharged into Nalas /Rivers	24.883 MLD
Common Effluent Treatment Facilities	01
No. of Industries meeting Standards	46 Units have been found Compliant out of 66

	units from which samples has been drawn as per last quarter report (April 2021 to June 2021)
No of Industries not meeting discharge Standards	20 Units have been found non-compliant out of 66 units from which samples has been drawn as per last quarter report (April 2021 to June 2021)

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

S. No.	Action points	Gaps and ActionPlan			Responsible agency	Timeline for completion of actionplan
		Action Point	Budget Required	Budget Available		
1.	Compliance to discharge norms by Industries	Identify gaps w.r.t industries not Meeting the standards. Necessary action be initiated through SPCBs against the industries not meeting the standards.	NA	NA	UPPCB	Immediate
2.	Complaint redressal system	Check if there is any complaint redressing system based on Mobile App/Online, is available? If not, a complaint redressing system based on Mobile App/ Online portal may be prepared at district level.	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	Nil
% Area covered under mining in the district	Nil

Area of Sand Mining	No
Area of sand Mining	Pachaira, Navraspur River Bed, Loni, Ghaziabad

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.	Monitoring of Mining activity	A district level task team may be identified to identify mining activity and to monitor status with respect to environmental compliance	NA	NA	District Mining Department	Ongoing Process
2.	Inventory of illegal mining if 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	NA	NA	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 department of mines etc. SPCBs/PCC may be involved in this activity.	NA	NA	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			Responsible agency	Timeline for completion of action plan
		Action Point	Budget Required	Budget Available		
1.	Availability of Sound/ Noise Level Meters.	Need to check whether concerned agencies that are ULBs, SHOs, Traffic police and SPCB/PCC have noise level meters. District administration may ensure through an action plan that concerned agencies and environmental cell under district administration have adequate number of portable noise level meters.	NA	NA	UPPCB/ District Administration/ULBs/S HOs/Traffic Police	Immediate
2.	Ambient Noise Level monitoring.	UPPCB shall ensure that ambient sound levels comply with notified standards for residential, sensitive zones. An action apart from portable analyzers, fixed ambient noise level monitoring stations may be installed in major cities and towns, such stations may be installed by ULBs and SPCB/PCC.	NA	NA	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.	NA	NA	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:**

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