

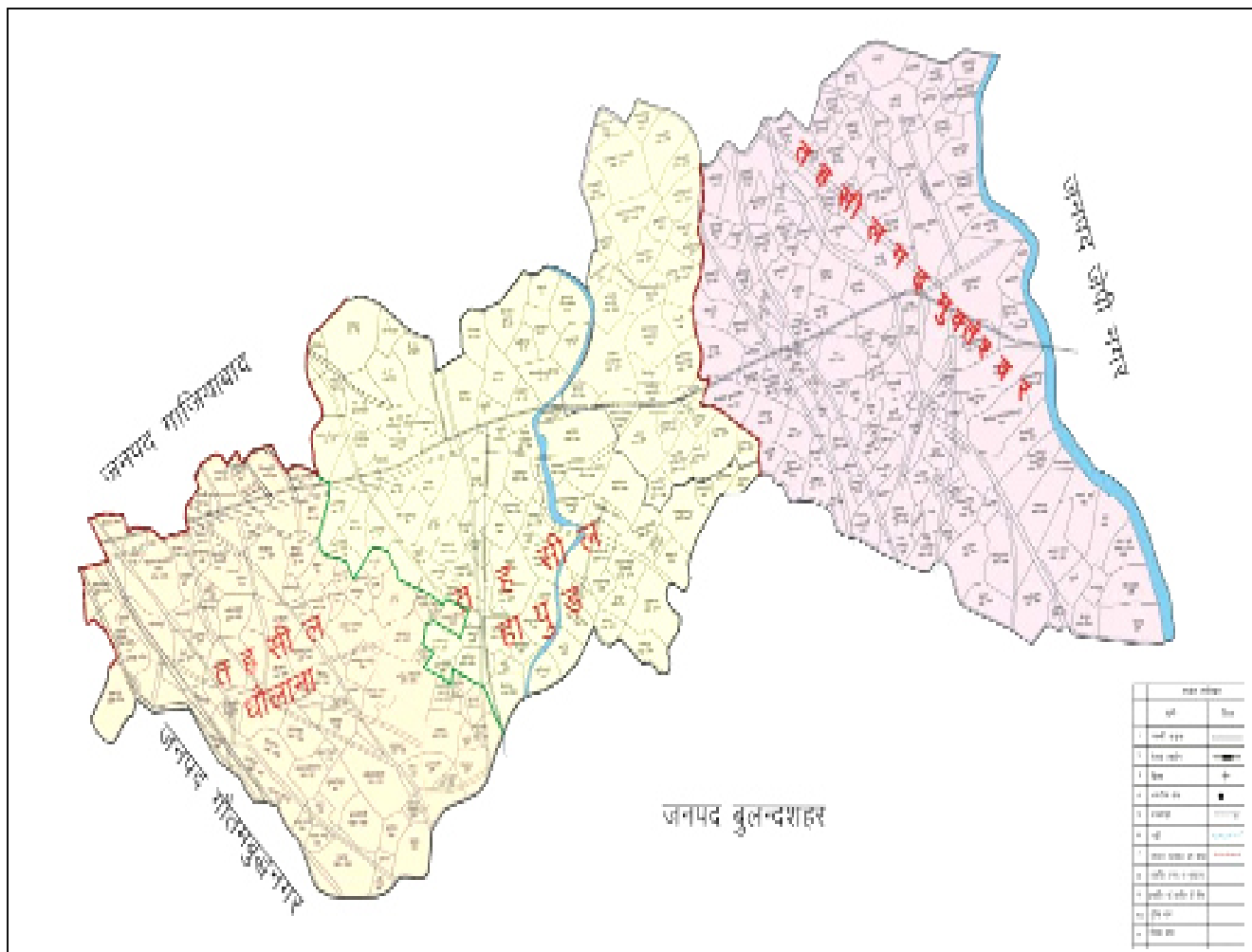


# DISTRICT ENVIRONMENT PLAN FOR HAPUR



District  
Hapur

# District Environment Plan for Hapur (U.P.)



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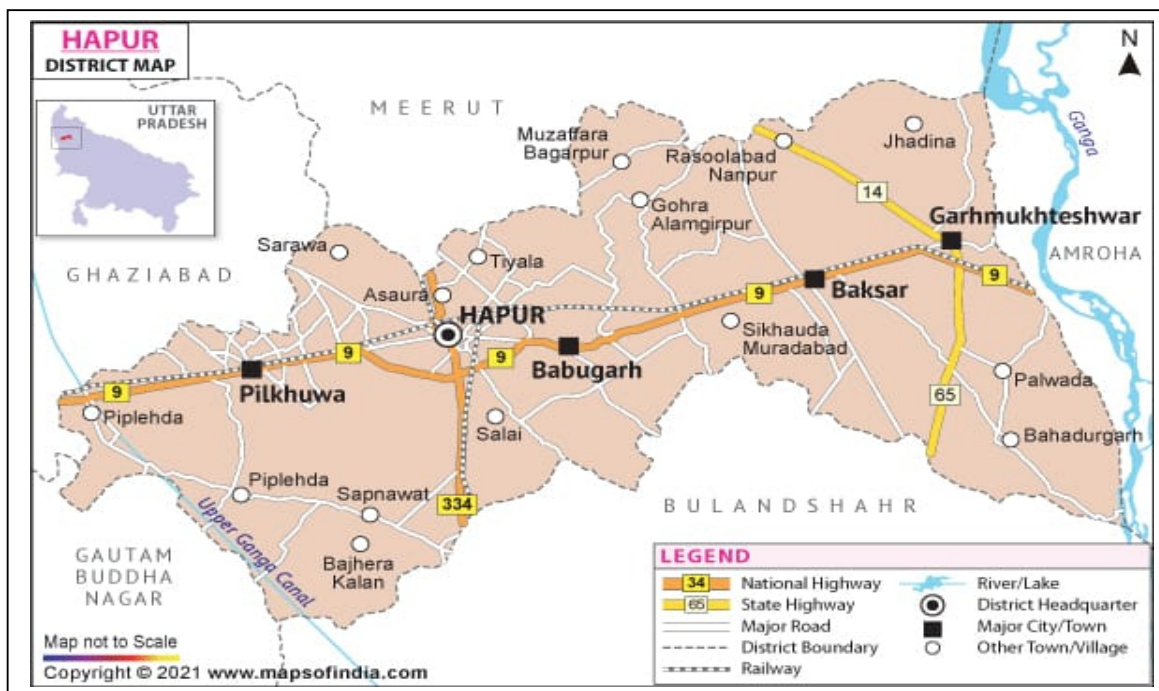
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## 1.0 District Profile

Hapur district is a recently formed district in Uttar Pradesh state of India with a population of 1,338,211 at the 2011 Census. This district on the Ganges river is 60 kilometres (37 mi) from New Delhi.



### History

Hapur was announced as a district named 'Panchsheel Nagar' on Sep 28, 2011 by Hon. Chief Minister Km. Mayawati and in the month of July 2012 Hon. Chief Minister Sh. Akhilesh Yadav changed the name to 'Hapur District'. Hapur is a city with a population of 13,28,322 and noted as manufacturing hub of making Stainless Steel Pipes and Tubes. Hapur is also famous for papads, paper cones and tubes. Situated about 60 km from the capital of India New Delhi.

The national highway 24 connecting Delhi-Lucknow also passes from the city. It was earlier known as 'Haripur'. The city comes under Delhi-NCR region.

### Area & Geography

Hapur city is located in the western region of Uttar Pradesh. It is situated about 60 km from the capital, New Delhi. Hapur was earlier known as 'Haripur'. The National Highway 24 that connects Delhi-Lucknow passes from Hapur. Hapur is the largest tehsil in Ghaziabad district. Hapur comes under the Delhi NCR region of Uttar Pradesh and has tremendous potential because of the closeness of the city to Delhi and Ghaziabad.

Hapur is located at 28.72°N 77.78°E and has an average elevation of 699 feet (213 meters). It is bound by Meerut on the north, Bulandshahr in south and Ghaziabad from the western and southern limits. It is bound on east by Jyotiba phule nagar. The eastern boundary of the district is formed by Ganges River and is also home to Garhmukteshwar, the holy place which attracts lakhs of pilgrims every year. River Kali nadi passes from periphery of the town. Hapur is not a rocky place and has no mountain ranges.

Title	Details
Area	660 Sq Km
No. of Block	4
No. of Nagar Palika Parishad/Nagar Panchayat	4
No. of Tehsils	3
No. of Gram Panchayats	273
No. of Villages	352

#### a. District Administrative Set-up & Local institutions

Hapur 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. The DM is responsible for maintaining law and order in the city. The current DM is Mrs. Megha Rupam. The DM is assisted by a Chief Development Officer (CDO), one Additional District Magistrate (ADM). The district has three Tehsils, each headed by a Sub-Divisional Magistrate.

#### District administrator-

S. No.	Name	Designation	Email	Address	Phone
1	Megha Rupam	District Magistrate	dmhap[at]nic[dot]in	Collectorate Hapur	9454449848
2	Prerna Singh	Additional District Magistrate	admfrhp-up[at]nic[dot]in	Collectorate Hapur	9454449861
3	Shraddha Shandilyayan	Additional District Magistrate	-	-	-
4	Sunita Singh	Sub-Divisional Magistrate	sdmhp-up[at]nic[dot]in	SDM Office, Hapur	9454416777
5	Vivek Kumar Yadav	Sub-Divisional Magistrate	sdmgmrhp-up[at]nic[dot]in	SDM Office, Garhmukteshwar	9454416778
6	Digvijay Singh	Sub-Divisional Magistrate	sdmhdlhp-up[at]nic[dot]in	SDM Office, Dhaulana	9454449851
7	Praveen Kumar	Tehsildar	tehhp-up[at]nic[dot]in	Tehsil Hapur	9454416781
8	Sanjay Singh	Tehsildar	tehdhlhp-up[at]nic[dot]in	Tehsil Dhaulana	9454449854
9	Vivek Kumar Singh Bhadauriya	Tehsildar	tehgmrhp-up[at]nic[dot]in	Tehsil Garhmukteshwar	9454416782

#### Police:

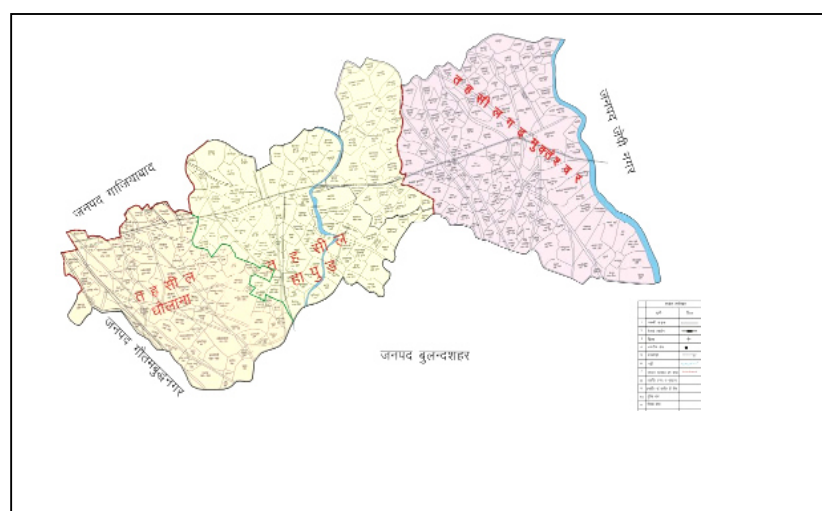
S. No.	Designation	Email	Address	Phone
1	Superintdtent of Police	sppc-up[at]nic[dot]in	SP Office, Hapur	9454400428



2	Assistant Superintendent of Police	asp[dot]hp-up[at]gov[dot]in	SP Office, Hapur	9454400436
3	Circle officer	co-city[dot]hp[at]up[dot]gov[dot]in	CO Office, Hapur	9454401574
4	Circle officer	co-pilkhuwa[dot]hp[at]up[dot]gov[dot]in	CO Office, Pilkhuwa	9454401950
5	Circle officer	co-garhmukteshwar[dot]hp[at]up[dot]gov[dot]in	CO Office, Garhmukteshwar	9454401575

### Blocks –

S. No.	Block Name
1.	Garhmukteshwar
2.	Dahaulana
3.	Simbhawali
4.	Hapur



**Hapur District Map: (Tehsil)**

### Tehsil–

S. No.	Tehsil Name
1.	Garhmukteshwar
2.	Dahaulana
3.	Hapur

### Village & Panchayats

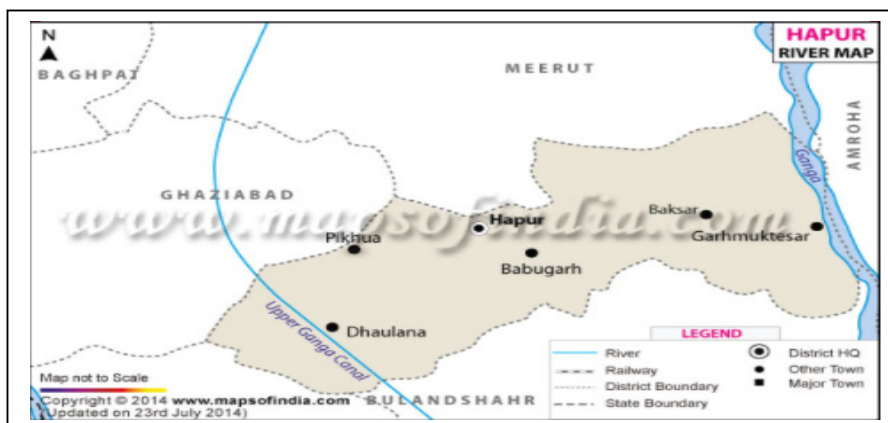
There are 273 Gram Panchayats and 352 villages in district Hapur.

## Municipal Bodies

S.No.	Type of Body	Body
1.	Nagar palika Parishad Garhmukteshwar	Garhmukteshwar
2.	Nagar palika Parishad Hapur	Hapur
3.	Nagar palika Parishad Pilkhuwa	Pilkhuwa
4.	Nagar Panchayat Babugarh	Babugarh

## b. Natural Resource -

### Water bodies



This district on the Ganges River is 60 kilometres (37 mi) from New Delhi. Garhmukteshwar is a town where holy river Ganga flows. Garhmukteshwar is popular for its bathing fair that is organized every year on the Full Moon Day in Kartik month.

#### ▪ Availability of water resources

Surface water is available in Hapur in the form of Ganga River, Upper gang and Madhaya gang canal. Ground water is available in Hapur District.

#### ▪ Forest coverage

According to Forest Survey of India, Dehradun, Forest Coverage area is 1.6% increases. According to India State of Forest Report-2021, the forest cover of Uttar Pradesh is 14,818 square kilometers which is 6.15% of state's geographical area. In terms of forest canopy density classes, the state has 2627sq kms under very dense forest (VDF), 4029 sq kms under moderately dense forest (MDF) and 8162sq kms under Open Forest (OF). Forest cover in the state has increased by 12.24 sq kms as compared to the previous assessment report (2019).The increase in green cover is attributable to the increase to plantation and conservation efforts. Plantation work in Hapur District is listed Below;

### Plantation in Hapur District:

S. No.	Plantation Year	Targeted Plan	Planted Plant
1	2021-2022	1,205,322	1,221,772
2	2022-2023	1,246,783	1,266,693



### c. Demography

Hapur district is a recently formed district in Uttar Pradesh state of India with a population of 1,338,211 at the 2011 Census.

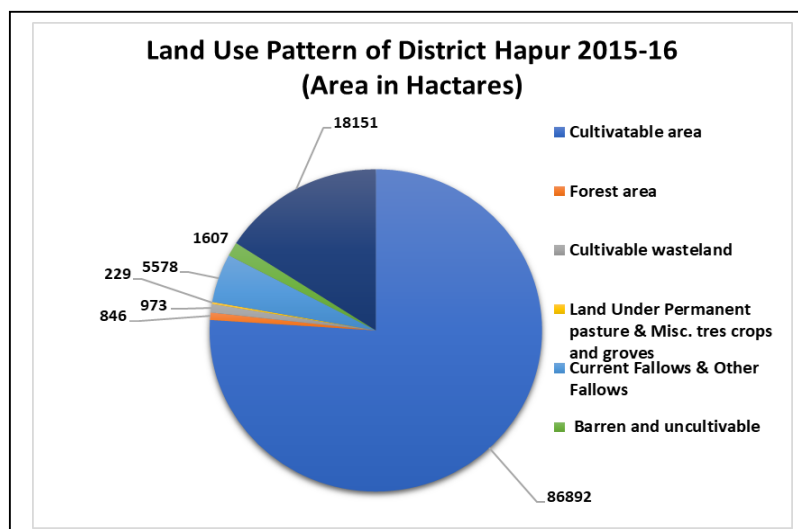
Hapur	Total	Male	Female
Population	1,33,8000	7,08910	6,29,400
Area	660 Sq.Km.		

### d. Land-use pattern

Land use is an important parameter for numbers of agricultural and ecological models which organize significant tools for development, planning and management of the natural resources in the region. Better land management involves identifying ecological benefits and costs that arise from land use practices as well as finding the best alternatives for each area. There are broad differences in the distribution and utilization of land resources over different districts of the state, based on topographic, geographical, political and other factors. The details of Hapur's land use pattern are given below: -

Reported Area (2015-16)	Cultivable area	Forest area	Cultivable wasteland	Land Under Permanent pasture & Misc. tree crops and groves	Current Fallows & Other Fallows	Barren and uncultivable	Land for others Uses
114276	86892	846	973	229	5578	1607	18151

(Area in Hectares)



## e. Climate -

Hapur has a monsoon-influenced humid subtropical climate characterised by very hot summers and cool winters. Summers last from early April to late June and are extremely hot, with temperatures reaching 43 °C (109 °F). The monsoon arrives in late June and continues until the middle of September. Temperatures drop slightly, with plenty of cloud cover, but with higher humidity. Temperatures rise again in October; and the city then has a mild, dry winter season from late October to the middle of March. Rainfall is about 90 cm to 100 cm per annum, which is suitable for growing crops. Most of the rainfall is received during the monsoon. Humidity varies from 30 to 100%.

## 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 War ds	No of Households	Population	Solid Waste Generated Tones per day
1	Nagar Palika Parishad Garhmukteshwar	25	15425	55031	13 TPD
2	Nagar Palika Parishad Hapur	41	53362	262911	99 TPD
3	Nagar Palika Parishad Pilkhuwa	25	19550	92068	21 TPD
4	Nagar Panchayat Babugarh	10	846	5800	1.5 TPD

S. No.	Rural Local bodies /Block	No of Village Panchayats /Blocks	No of Households	Population	Solid Waste Generated per day
1	Garhmukteshwar	60	33611	201786	26889
2	Dahaulana	55	36452	219610	29162
3	Simbhawali	65	34101	201663	27281
4	Hapur	93	51258	317004	41006

#### b. Identification of gaps and Action plan:

**Total Consolidated Budget Available for District Hapur for Solid Waste Management is Approx. 03 Crores (for all four Nagar Palikas)**

S. No.	Action points for	Identification of	Action Plan	Res pons	Timelin e for
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	villages/blocks/ town municipalities/ City corporations	gap	Action Point	Budget Required	Budget Availabl e	ible agen cies	complet ion of action plan
<b>1.</b>	<b>Segregation</b>						
(i)	Segregation of waste at source	Only 50%(approx ) segregation at source practiced by households and other waste generators at source level	Action plan for Awareness programs through person to person communications, paper and electronic media etc.	10 Lakhs	Total Consolidated Budget Available for District Hapur for Solid Waste Management is Approx. 03 Crores	Nagar Palika Parishad/Nagar Panchayat/ Development Authorities (HPDA)/ Waste Generator	Ongoing. Regular Process
<b>2.</b>	<b>Sweeping</b>						
(i)	Manual Sweeping	Regular manual sweeping process have been added/ covered more new villages	Manpower as per specific zone and population is being managed in all the town and villages as well as new considered area too.	10 Lakhs	As above	Nagar Palika Parishad/Nagar Panchayat/ Development Authorities (HPDA)/ Waste Generator	Ongoing. Regular Process
(ii)	Mechanical all Road Sweeping and collection	Mechanical Road Sweeping vehicle available for the mechanize Sweeping		15 Lakhs		Nagar Palika Parishad/Nagar Panchayat/ Development Authorities (HPDA)/ Waste Generator	Ongoing. Regular Process
<b>3.</b>	<b>Waste Collection</b>						

(i)	100% collection of solid waste	100% solid waste collection Achieved	All planned activities are going on in all wards as per the schedule	02 Lakhs	As above	Nagar Palika Parishad/Nagar Panchayat/Development Authorities (HPDA)	Complied
(ii)	Arrangement for door-to-door collection	An average primary vehicle are deploying for the door to door MSW collection	100% solid waste door to door collection Achieved	02 Lakhs	As above	Nagar Palika Parishad/Nagar Panchayat/Development Authorities (HPDA)	Complied
(iii)	Waste Collection trolleys with separate compartments	Adequate numbers of trolleys with separate compartments have been deployed in zones	Action plan for procurement of some additional trolleys has been done already. It only needs some design up gradation	05 Lakhs	As above	Nagar Palika Parishad/Nagar Panchayat/Development Authorities (HPDA)	March, 2023
(iv)	Mini Collection Trucks with separate compartments	There are adequate number of mini Collection Trucks with separate compartments	Some additional vehicles have been already procured with separate compartments	05 Lakhs	As above	Nagar Palika Parishad/Nagar Panchayat/Development Authorities (HPDA)	By March, 2023
(v)	Waste Deposition Centers (for	There are adequate number of	Centres in different ward to	02 Lakhs	As above	Nagar Palika Parishad/Nagar Panchayat/Development	By December, 2023

	domestic hazardous wastes)	Number of deposition centers in the projected areas.	cover all the zones.			Authorities (HPDA)	
<b>4.</b>	<b>Waste Transport</b>						
(i)	Review existing infrastructure for waste Transport.	existing fleet is not adequate so some more fleet is to be procured in near future (ii) In present system segregated wastetransport is not Possible.	.1. More fleet are to be procured in coming days and some more transfer station are to be installed to improve and facilitate the present transportation sysytem	02 Lakhs	As above	Nagar Palika Parishad/Nagar Panchayat/ Development Authorities (HPDA)	Complied
(ii)	Bulk Waste Trucks	Adequate bulk waste trucks are not available	Adequate bulk waste trucks are to be done in future	budget Required		Nagar Palika Parishad/Nagar Panchayat/ Development Authorities (HPDA)	Complied
(iii)	Waste Transfer points	There are many waste transfer points available zone wise and need more.	action plan for installation is required	budget Required		Nagar Palika Parishad/Nagar Panchayat/ Development Authorities (HPDA)	Completi on of action plan
<b>5</b>	<b>Waste Treatment and Disposal</b>						

(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules)	Yes, number of bulk waste generators identified for installation	Action for getting onsite composting plants commissioned	budget Required		Nagar Palika Parishad/Nagar Panchayat/Development Authorities (HPDA)	By December , 2023
(ii)	Wet-waste Management: Facilities for central Bio methanation /Composting of wets waste.	facility exists but Needs up gradation	If not action plan for developing / upgradation of bio-methanation nor composting facility	budget Required		Nagar Palika Parishad/Nagar Panchayat/Development Authorities (HPDA)	Complied
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	Common MRF or sent to Waste to energy plant or % dry-waste converted as RDF For Need to set-up own Waste to Energy plant	Action plan for use of dry segregated waste in MRF operation is require	budget Required		Nagar Palika Parishad/Nagar Panchayat/Development Authorities (HPDA)	Complied
(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	Does the agency still dispose waste in dumpsites? Whether sanitary landfill available / Plan for constructing sanitary landfill or arrangement	Action plan (i) to construct sanitary landfill If required (ii) Action plan to minimize land filling	budget Required		Nagar Palika Parishad/Nagar Panchayat/Development Authorities (HPDA)	Complied

		with 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.	budget Required		Nagar Palika Parishad/Nagar Panchayat/Development Authorities (HPDA)	Complied
(vi)	Involvement of NGOs	Whether involvement of NGOs envisaged	NGOs can be involved for management of solid waste campaign	budget Required		Nagar Palika Parishad/Nagar Panchayat/Development Authorities (HPDA)	Ongoing
(vii)	EPR of Producers: Linkage with Producers / Brand Owners	As per rules, producers and brand-owners should facilitate in collection of packaging waste	We have following agencies which are working under EPR	Not Required		UPPCB/ Nagar Palika Parishad/ Nagar Panchayat	Show Cause Notice Issued to Concerned Industry by State PCB vide letter dated 16.04.2019
(viii)	Authorization of Waste Pickers	Yes	List of authorized waste pickers should be available			Nagar Palika Parishad/Nagar Panchayat	Ongoing
(ix)	Preparation of own by-laws to comply with SWM Rules 2016	Yes	If not prepared action plan for preparation of by-laws which	Not Required		Nagar Palika Parishad/Nagar Panchayat	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	Nagar palika Parishad Garhmukteshwar	0.52 MT/Day
2	Nagar palika Parishad Hapur	8.1 MT/Day
3	Nagar palika Parishad Pilkhuwa	0.84 MT/Day
4	Nagar Panchayat Babugarh	0.06 MT/Day

S. No.	Rural Local Bodies/ Blocks	Plastic Waste Generated per day
1	Garhmukteshwar	7394
2	Dahaulana	8019
3	Simbhawali	7502
4	Hapur	11277

### 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	Partial collection is there by door to door	Partial	01 Lakh	NIL	Nagar Palika Parishad/Nagar Panchayat	Regular Activity
2.	Facilitate organized collection of PW at Waste transfer point or Material	This infrastructure is linked to SW management. May check gaps with respect to:	Yes to identified agencies	01 Lakh	NIL	ULBs/ Nagar Palika Parishad/Nagar Panchayat / Panchayati Raj	Complied
	Recovery Facility	• Availability of transfer points and material	Corporations for plastic wastecollection	02 Lakh	NIL	Nagar Palika Parishad/ Nagar Panchayat	Process Initiated

		recovery facility <ul style="list-style-type: none"> <li>• Involvement of informal sector / NGO.</li> <li>• Registering waste pickers</li> <li>• Linkage with PW recyclers</li> <li>• Involvement of producers and brand-owners</li> </ul>				/ULBs/ UPPCB	Show Cause Notice Issued to Concerned Industry by State PCB vide letter dated 16.04.2019
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 may be necessary	02 Lakhs	NIL	Nagar Palika Parishad/Nagar Panchayat /ULBs/ Panchayati Raj	March 2023
4.	Awareness and education programs implementation	Review existing gaps in creating awareness among public for minimizing	Education through mass media, schools, Producer / brand owner campaigns and other channels	01 Lakh	NIL	ULBs/ UPPCB/ Development Authority/ NGOs/Education Department	December 2023

		and recycling PW				t	
5.	Access to Plastic Waste Disposal Facilities	Yes to develop to PW recycling/ utilization or disposal facilities.	Yes, 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 involve Urban and Rural Local bodies	02 Lakhs	NIL	Nagar Palika Parishad/Nagar Panchayat	Ongoing

### (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)	01 MTD
Does the District have access to C&D waste recycling facility?	No

**b. Identification of gaps and Action plan:**

S. No.	Action points for blocks / town municipalities /City corporations	Identification of Gaps	Action Plan			Responsible agency	Timeline for completion of action plan
			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 deposition points	Action plan for every local body in district. District may identify common C&D waste deposition points.	05 Lakhs	NIL	Nagar Palika Parishad/ Nagar Panchayat/Development Authority (HPDA)	Complied
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 gaps 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	Not Required	NIL	Nagar Palika Parishad/ Nagar Panchayat/Development Authority (HPDA)	Complied
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	Not Required	NIL	Nagar Palika Parishad/ Nagar Panchayat/Development Authority (HPDA)	Under process

			setting up common facilities. Plan should ensure viable operation of C&D plant including assured market for C&D products.				
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.	Not Required	NIL	Nagar Palika Parishad/ Nagar Panchayat/ Development Authority (HPDA) / Panchayati Raj Deptt.	Complied
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	Not Required	NIL	Nagar Palika Parishad/ Nagar Panchayat/ UPPCB / Development Authority (HPDA) / NGOs/ Education Department/	Complied

#### (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	114
Total no. of non-bedded HCF	122
No. of HCFs authorized by SPCBs/PCCs	236
No of Common Biomedical Waste Treatment and Disposal Facilities (CBWTFs)	02 (1. M/s Environ Waste Connections LLP, BN:102-104, Phase-III, Mg Road Indl. Are, Ghaziabad-Hapur. 2. 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	171.25 (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	Timelin e for complet ion of action plan
			Action Point	Budg et Requi red	Budg et Avail able		
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 authorized by SPCBs/PCCs	Action plan for completing/updatin g of inventory and Authorization of HCFs by SPCBs/ PCCs	Not Req uired	NIL	UPPCB/CM O	Complied

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 and disposed in the district?  In case of no access to CBWTFs, adequacy of existing disposal of BMW	Action plan for setting-up CBWTF or providing access to CBWTF with 75 Km from places waste generation. Including identification of site for setting up such facility.  Action plan for management of BMW through captive facilities in case of no access to CBWTF	Not Required	NIL	UPPCB	Complied
3.	Tracking of BMW	Check whether bar code system is implemented by all HCFs and CBWTFs?	Plan for implementation of bar code system by all HCFs and CBWTFs in the district.	Not Required	NIL	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	Rs. 10,000/-	NIL	ULBs/ UPPCB/ Development Authority/ NGOs/ Education Department	Monthly (Primary healthcare programs/awareness programs for Anganwadi staff etc. are being conducted by doctors on monthly basis)
5.	Adequacy of funds	Whether adequate funds are allocated to Government health care facilities for bio-	Action plan for ensuring adequate funds to Government health care facilities for bio-	Not Required	NIL	Health Department	Complied



		medical waste management by State Govt.?	medical waste management by State Govt.				
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.	Not Required	NIL	UPPCB/ Health Department/CMO	Complied
7.	District Level Monitoring Committee	Check whether District Level Monitoring Committee has been constituted and meetings are being organized?	Action plan w.r.t Periodicity of reviews and follow-up by DLMC. Identify teams in health department to monitor compliance.	Not Required	NIL	UPPCB/Forest Department	Complied (Last District Level Monitoring Committee meeting regarding BMW was held on 31.05.2022)
8.	Waste water Treatment	Check if HCFs are Required to install ETPs for waste water generated.	Action plan for installation of ETPs By HCFs where applicable.	Not Required	NIL	UPPCB	Complied

## (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	103
Quantity of HW in the district	3089.035 MT/Annum
(i) Quantity of Incinerable HW	2396.445 MT/Annum

(ii) Quantity of land-fillable HW	348.067 MT/Annum
(iii) Quantity of Recyclable / utilizable HW	344.523 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			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	NA	NR	UPPCB	Yes, Inventory has been done and time time up gradation is being carried out
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	NR	Local authority / UPPCB	Two Facilities are linked to District Hapur (02 – BOWML, Kanpur and UPWMP, Kanpur)
3.	Training of workers involved in handling / recycling / disposal of HW	Identify facilities / Industries engaged in recycling/ pre-processing/	Action plan to train the workers on safety aspects through Department of Industries	02 Lakhs	NIL	UPPCB/ Industry	Generators of HW have access to common

		disposal of hazardous waste in the district.	as per provisions under HOWM Rules, 2016				TSDF
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 storage and captive disposal facilities through SPCBs/PCCs	Not Required	NIL	Industry/UPPCB	Complied
5.	Contaminated Sites	Are there any sites where soils/sediments/ groundwater contaminated due to dumping of industrial wastes	Action plan for identification of probable contaminated site, incidents of HW dumping, responsible parties for Contaminated site etc. and to remediate contaminated sites	Not Required	NIL	Department of Environment/ District Administration/UPPCB	Complied

#### (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	11285 MT/A
Collection centers established by ULBs in the District	Not Installed yet
Collection centers established by Producers or their PROs	Yes
No authorized E-Waste recyclers / Dismantler	21 (Dismantler-13, recyclers-08)

**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 bulk waste generators	Completion of inventory	Not Required	NIL	UPPCB	Collection centres has been identified Complied
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	Not Required	NIL	Nagar Nigam/ULBs	E-Waste recyclers in the district has been identified Complied
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/	Not Required	NIL	UPPCB/ ULBs	Complied

			SPCBs/District Administration/Public				
4	Regulation of Illegal E-Waste recycling / dismantling	Prevalence of informal trading, dismantling, and recycling of E-waste in District	Action plan in coordination with SPCBs/PCCs and District Administration to check this activity.	Not Required	NIL	District Administration /ULBs/UPPCB/RTO	Complied
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.	Not Required	NIL	UPPCB	Inspections has been carried out time to time Complied
6	Awareness and Education	Are there any programs at district level for awareness about E- waste management?	Plan special workshops and awareness campaigns through Producers/ROs	Rs. 30,000/- for awareness purpose regarding environmental management for Ghaziabad and Hapur - Rs. 20,000/- for events like environment' day etc.	NIL	ULBs/UPPCB/Development Authority/NGOs/Education Department	Awareness program has been conducted by Authorities Complied

### 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:	01 1. New Collectorate, Hapur
Number of manual monitoring States operated by SPCBs	02 outsource
Name of towns/cities which are failing to comply with national ambient air quality stations	NIL
No of air pollution industries	187
Prominent air polluting sources [Large Industry]/[Small Industry]/[Unpaved Roads]/[Burning of Waste Stubble]/[Brick Kiln]/[Industrial Estate]/[Others](Multiple selection)	Air Polluting Industries- 160 (Large-09, Medium-20, rest are small scale industries) Brickkilns- approx. 126 Other sources are Road Dust, C&D, Vehicular Emissions etc.

#### b. Identification of gaps and action plan:

S. No.	Action points	Identification of gap	Action plan		Responsible agency	Timeline for completion of action plan
			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	Yes	NIL	UPPCB	Inventory of air pollution sources has been done Complied (Two Hotspots identified)
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.	Yes	NIL	UPPCB	01 CAAQMS station is present in Hapur and data

						availability through Sameer APP and display board Complied
3.	Setting up of Continuous Ambient Air Quality Monitoring Station	Like weather station, District may also have ambient air 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. [District admin may set-up its own network of CAAQMS or manual stations]	Budget required for establishment of 01 CAAQMS for Masoori, Hapur	NIL	UPPCB	01 CAAQMS and 02 manual stations are present in District Hapur  Complied
4.	District Level Action Plan for Air Pollution	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. [Measures may include multi sectoral approach for air pollution control such as promotion of	Air Action plan is required only for non-attainment cities and Hapur is not comes under Non-attainment cities	NIL	UPPCB	-



		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	Not Required	NIL	UPPCB	Complied (Two Hotspots identified)
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 environment' day etc.	NIL	UPPCB/ NIC	SAMMER APP (By CPCB) and Swacch Vayu App (by UPPCB) has been developed for dissemination of air quality as well as to take complaints on local Air Pollution.

## 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 (Ganga and Kali)
Length of Coastline (if any)	-
Nalas/ Drains/Creeks meeting Rivers	06
Lakes / Ponds	Lake-01 Ponds-1277 Area- 688.188 Hactares
Total Quantity of sewage from towns and cities in District	44 MLD Sewage
Quantity of industrial wastewater	6.890 MLD Industrial
Percentage of untreated sewage	72.7 %
Details of bore wells and number of permissions given for extraction of groundwater	Related to CGWA
Groundwater polluted areas if any	Nil
Polluted river stretches if any	Kali (Polluted River Stretch is 120 Km)

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

S. No.	Action points	Identification of gap	Action Plan		Responsible agency	Timeline for completion of action plan
			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 water quality	02 Lakhs	NIL	UPPCB/ Jal Nigam/Irrigation Dep.	Water Quality data of Rivers/drains/Ground water/ponds has been maintained regularly Complied
2.	Quality of	Check availability	05 Lakhs	Rs.1,25,00	UPPCB/	Complied

	water bodies in the district	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.		0/- available for Sample collection of River/Drain/Ground water/Air monitoring.  Rs. 5,00,000/- available for (Recurring/ Non-recurring) lab accessories & chemical for sampling purpose.	Jal Nigam	
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 department of environment.	02 Lakhs	1. Rs. 1,25,000/- available for Sample collection of River/Drain/Ground water/Air monitoring.  Rs. 5,00,000/- available (Recurring/ Non-recurring) for lab accessories & chemical for sampling purpose.	UPPCB/ Jal Nigam	Complied.
4.	Protection of river/	Action plan should be prepared for	02	NIL	Jal Nigam/irri	Complied

	lake water front	control river side open defecation, dumping of Solid waste on river banks, for idol immersion etc.	Lakhs		gation	
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.	Not Required	NIL	Jal Nigam/UPP CB	Complied
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 Oil Spill Crisis Management Group and District Oil Spill Disaster Contingency Plan for the 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.	Approx. 50 Crores	NIL	Irrigation Department	Complied
8.	Rejuvenation of groundwater	Check availability of groundwater and if required preparation plan to	50 Lakhs	NIL	UPGWD/ Jal Nigam	<b>SAMEER APP and Twitter</b>

	r	rejuvenate ground water in selected areas. Action plan should be prepared for Rain water harvesting				Complied
9.	Complaint's 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. 50,000/-	Rs. 30,000/- for awareness purpose regarding environmental management for Ghaziabad and Hapur - Rs. 20,000/- for events like environment' day etc	UPPCB	Complied.

## 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	03
No of Towns needing STPs	04
No of ULBs having partial underground sewerage network	02
No of towns not having sewerage network	01
Total Quantity of Sewage generated in District from Class II cities and above	44 MLD
Quantity of treated sewage flowing into Rivers(directly or indirectly)	42 MLD
Quantity of untreated or partially treatedsewage (directly or indirectly)	32
Quantity of sewage flowing into lakes	Nil
Total available Treatment Capacity	12 MLD

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

S. No.	Action points	Identification of gap	Action plan		Responsible agency	Timeline for completion of action plan
			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,	05 Crores	NIL	Jal Nigam//ULBs	<b>Hapur-</b> Sewage generation- 26.4 MLD <b>Facility-</b> 32 KLD FSTP are operational and one 30 MLD STP is operational now. <b>Pilakhua-</b> Sewage generation-5 MLD <b>Facility-</b> 3.0 MLD STP is operational <b>Garh-</b> Sewage generation- 05 MLD <b>Facility-</b> 3MLD STP, 6 MLD STP are operational
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.	25 Crores	NIL	Jal Nigam / ULBs	<b>Hapur-</b> 32 KM Sewerage line laid & 69 Km is proposed and will be completed in next 05 years <b>Pilakhua-</b> 31 KM Sewerage line laid & 30 Km is proposed and will be completed in next 05 years <b>Garh-</b> 60 KM Sewerage line laid

**Industrial wastewater management**

**a. Current Status related to Industrial Wastewater Management**

<b>Number of Red, Orange, Green and White industries in the district</b>	Nos of Red industries 97, Nos of Orange industries 140, Nos of Green industries 55
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<b>No of Industries discharging waste water</b>	97
<b>Total Quantity of industrial waste water generated</b>	6.890 [MLD]
<b>Quantity of treated industrial waste water discharged into Nalas / Rivers</b>	58.90 [MLD]
<b>Common Effluent Treatment Facilities</b>	01 (Capacity 2.1 MLD)
<b>No. of Industries meeting Standards</b>	10 Units have been found Compliant out of 14 units from which samples has been drawn as per last quarter report (April 2021 to June 2021)
<b>No of Industries not meeting discharge Standards</b>	04 Units have been found non-compliant out of 14 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 Action Plan	Action Plan		Responsible agency	Timeline for completion of action plan
			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.	Not Required	NIL	UPPCB	Complied
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. 20,000/-	Rs. 30,000/- for awareness purpose regarding environmental management for Ghaziabad and Hapur	UPPCB	Complied

## 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	Nil
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	Nil

**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
			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	Not Required	NIL	District Mining Department	Complied
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	Not Required	NIL	District Administration/District Mining Department	Complied
3.	Environment compliance by Mining industry	Action plan for periodic verification of compliance to environmental conditions stipulated by SPCBs/PCC	Not Required	NIL	District Mining Department	Complied

		MoEF&CC department of mines etc. SPCBs/PCC may be involved in this activity.				
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## 6.0 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 in district	02 (UPPCB)

### b. Identification of gaps and action plan:

S. No.	Action points	Gaps and Action Plan	Action Plan		Responsibility agency	Timeline for completion of action plan
			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.	02 Lakhs	NIL	UPPCB/ District Administration/ULBs/ SHOs/Traffic Police	UPPCB has 02 Noise monitoring devices Complied
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	02 Lakhs	NIL	UPPCB/ ULBs	Complied

		in major cities and towns, such stations may be installed by ULBs and SPCB/PCC.				
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.	01 Lakhs	NIL]	District Administration/ULBs/Police	Complied
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. 20,000/-	Rs. 30,000/- for awareness purpose regarding environmental management for Ghaziabad and Hapur - Rs. 20,000/- for events like environment ' day etc.	District Administration/Police Administration/ULBs/UPPCB	Complied

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