



# HARYANA STATE POLLUTION CONTROL BOARD

REGIONAL OFFICE, BAHADURGARH,

SCF No. 42 & 43, SHOPPING CENTRE, SECTOR-6, HUDA, BAHADURGARH



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No. HSPCB/BDR/2023/558-559

Dated: 22 / 06 / 2023

To

Dr. Babu Ram  
Technical Advisor,  
HSPCB, Panchkula.

**Sub: Updated District Environment Plan of District Rohtak and District Jhajjar.**

In this connection, please find enclosed herewith the updated District Environment Plan (DEP) of District Rohtak and District Jhajjar.

Submitted for information and further necessary action please.

DA/As above

  
Regional Officer  
Bahadurgarh Region

Dated:

**Endst. No. HSPCB/BDR/2023/**

A copy of the above is forwarded to the Sh. Balraj Singh, SEE, HSPCB, Panchkula for information please.

DA/As above

  
Regional Officer  
Bahadurgarh Region



# HARYANA STATE POLLUTION CONTROL BOARD

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Ph No. 01276-243077-242078, E-Mail: [hspcbrobdh@gmail.com](mailto:hspcbrobdh@gmail.com), Web: [hspcb.gov.in](http://hspcb.gov.in)

**Subject: Approval of District Environment Plan for District Rohtak.**

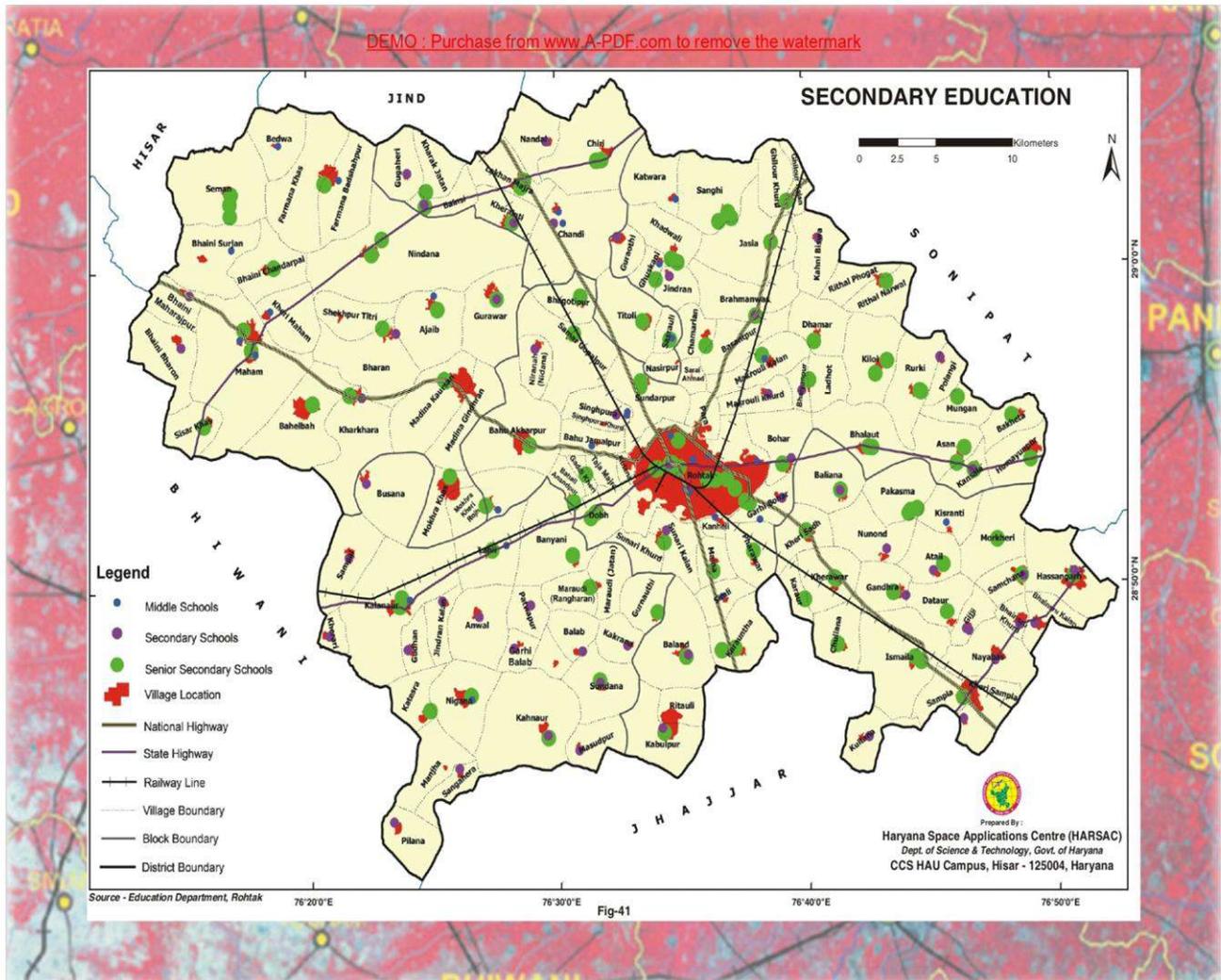
The draft of updated District Environment Plan has been prepared (on the basis of information/data given by the concerned departments) for District Rohtak in accordance to the templates prescribed by Environment Department and in compliance of NGT order dated 15.07.2019 & 26.09.2019 in the matter of OA No. 360 of 2019. The copy of draft is enclosed as **Annexure-A**. The same is submitted for approval of Worthy Deputy Commissioner-cum-Chairman of District Planning Committee so that the same can be sent to the Environment Department, Govt. of Haryana for further necessary action please.

Regional Officer  
HSPCB, Bahadurgarh  
Region

for

Deputy Commissioner  
Rohtak

# District Environment Plan for -District Rohtak Haryana State



Office of District Administration, Deputy Commissioner, Rohtak  
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## 1.0 District Profile

Rohtak is a city and the administrative headquarters of the Rohtak District in the Indian state of Haryana. It lies 70 kilometres (43 mi) north-west of New Delhi and 250 kilometres (160 mi) south of the state capital Chandigarh on NH 9 (old NH 10). Rohtak forms a part of the National Capital Region (NCR). Rohtak is also a railway junction and is connected by railway to Delhi, Chandigarh via Gohana, Jind, Bhiwani, and Rewari via Rohtak.

Clay moulds of coins discovered at Khokhrakot have thrown light on the process of casting coins in ancient India. The coin moulds of the later Yaudheyas of the 3rd or 4th century AD have been discovered in large number here, along with several clay seals of the same and subsequent dates. A Gupta terracotta plaque and a head of later date have also been discovered. The town continued to flourish till the 10th century AD, as coins of King Samanta Deva of the Hindu Shahi dynasty of Kabul have been found here.<sup>[7]</sup>

Rohtak is listed in the Ain-i-Akbari as a pargana under Delhi sarkar, producing a revenue of 8,599,270 dams for the imperial treasury and supplying a force of 2000 infantry and 100 cavalry. The existence of a brick fort was also noted.

The Rohtak District was one of the seven district when Haryana was carved out of United Punjab on 01 November 1966. Average annual rainfall in Rohtak city is 597 mm. Rohtak's climate shows extreme variation in temperature. It does not usually fall below freezing point in the winter months from November to February. In summer from April to June, the day temperature generally remains between 30 °C and 42 °C. The highest temperature ever recorded in Rohtak city was 47.2 °C (May 8, 1995) while the lowest recorded temperature is - 0.5 °C. About 71 percent of the annual normal rainfall is received during the short south-west monsoon period, July to September, July and August being the rainiest months.

At the time of the 2011 Census of India, 95.56% of the population in the district spoke Hindi and 4.04% Punjabi as their first language.

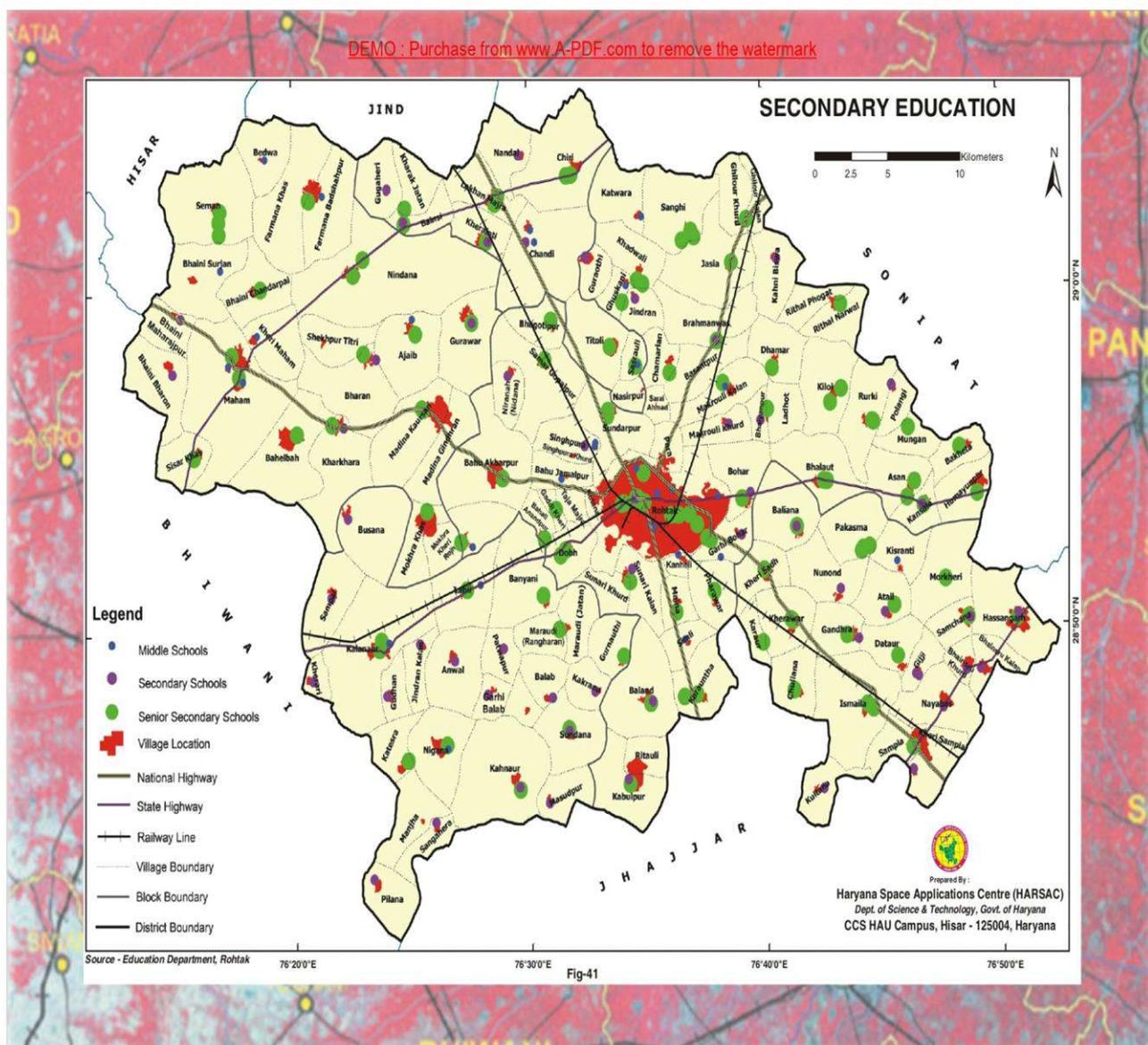
### District Administrative Set-up

According to the 2011 census Rohtak district had a population of 1,061,204. This gives it a ranking of 428th in India (out of a total of 640). The district had a population density of 607 inhabitants per square kilometre (1,570/sq mi) . Rohtak had a sex ratio of 868 females for every 1000 males, and a literacy rate of 80.4%.

The district lies in Rohtak Division having 04 no. of Tehsils namely Rohtak, Meham, Kalanaur, Sampla. The 05 no. of Community Development Blocks, namely, Rohtak, Meham, Kalanaur, Sampla and Lakhan Majra have been set up for the development of rural area. The District

Assembly Constituencies	Sub-Division	Tehsil	Blocks	No of Villages Tehsil Wise	Municipalities Panchayats
04	04	04	05	Total – 147 Rohtak-59 Meham-24 Sampla-24 Kalanaur-27 Lakhan Majra-13	Corporation-1 Committees- 3  Panchayats- 147

# District Environment Plan [Rohtak]



## b. Local institutions

Sr.No.	Urban Local bodies/Village Panchayats	No of Wards	No of Households	Population
1	Municipal corporation Rohtak	22	97201	512469
2	Municipal Committee Meham	15	4973	22190
3	Municipal Committee Sampla	15	4266	25091
4	Municipal Committee Kalanaur	15	4484	30760
5	Gram Panchayats (139Nos. in Zila Parishad)	562	117,450	615,040

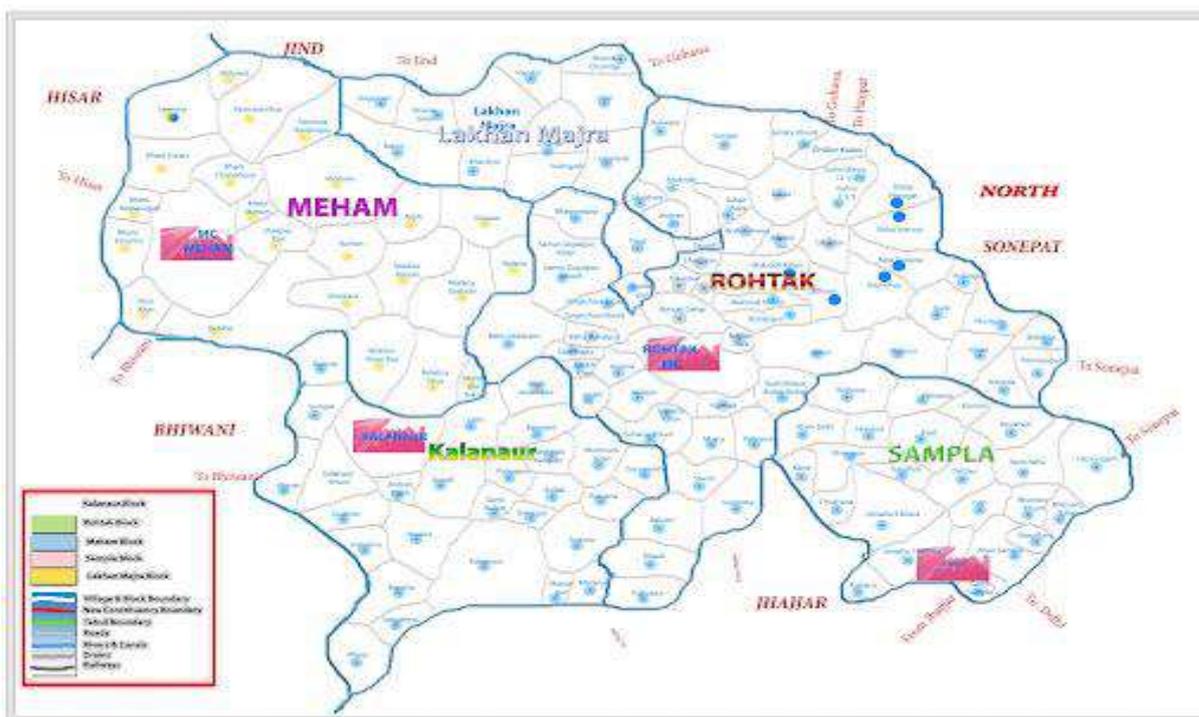
**c. Natural Resources**

**Water bodies**

The district area falls in Yamuna sub basin of Ganga basin, and is mainly drained by the artificial drain No. 8 which flows from north to south. JawaharLal Nehru feeder and Bhalaut sub Branch are main canals of the district. Bhalaut sub branch irrigate the area falling in Kalanaur, Rohtak and Sampla blocks. The Bhiwani sub branch and Kahnaur distributary irrigates the areas covering Kalanaur, Meham and LakhanMajra blocks. Area under Canal irrigation is about 84193 hact. in the district.

**Availability of water resources**

The Jawaharlal Nehru Canal (JNC) and Bhalaut sub branch is the major source of canal irrigation. The WJC passes through the central part of the district covering part of Rohtak, Kalanaur and Sampla blocks. Out of 1,25,000ha net irrigated area, 84,000 ha is irrigated by canal and 41,000 ha is irrigated by ground water. About 32.8 % of the irrigation is based on ground water resources. The gross irrigated area has been worked out as 1,83,000 ha, which is 3.53% to the State total.



**Forest coverage**

The Total Geographical area of 1,74,500 Hectare in District Rohtak. Rohtak is a historical city. It was one of the 07 District when State of Haryana was carved out of Punjab in 1966. The Division divided in Two Ranges i.e. Rohtak and Samplawhich is further divided into 05 Block. Approximately 4600Hectares of land is under the control of Forest Department which constitutes 2.64 % Forest Area of Geographical area in District. Most of the Forest Area in the form of strips excepts the Forest under section 38.

**d. Geography & Demography**

Rohtak is located at 28.8909°N 76.5796°E It has an average elevation of 220 metres (720 feet). It is located in the central part of Haryana. It is surrounded by Jind in North, district Rohtak in south, district Bhiwani in East and district Sonapat in the West. The geographical area of the district is 1,745 km<sup>2</sup>. which is 5.4% of the state share. Out of the total geographical area of the district, 83% is under cultivation. The main crops are wheat, gram, sugarcane and bajra. There is no perennial river in the district. However, the district has many canals.

According to the 2011 census Rohtak district had a population of 1,061,204. This gives it a ranking of 428th in India (out of a total of 640). The district had a population density of 607 inhabitants per square kilometre. Rohtak has a sex ratio of 868 females for every 1000 males, and a literacy rate of 80.4%.

**e. Land-usepattern**

Land Use Pattern of the District	Area (In hectare)
Total Geographical area	1,74,500
Forest Area	4600
Land under agriculture use (cultivable land)	1,40,000
Land under non-agriculture use	29900

**f. Climate**

The climate of Rohtak being Gangetic Type is hot in summer and cold in winter. The coldest month is January and the hottest is June. Most of the annual rainfall about 80% occurs between July and September. Annual rainfall in the study area is 500 mm to 1000 mm. The remaining months are almost dry except January, which notable Wild Life Population. The main crops are paddy, maize, wheat, gram and sugarcane. Occasionally receives light showers of winter rains.

**2.0 IndicativeGapAnalysisandActionPlansforcomplyingwithWasteMgt.Rules.**

**(i) Solid Waste Management**

**a. Current status related to solid Waste management**

In District Rohtak, there are 01 Corporation, 03 Municipal Committee, 05 No. of Revenue Blocks and 147 No. of Village Panchayats presently the solid waste generated from the MC areas is being collected and sent to the integrated Solid Waste Management site at Village Sunaria, Rohtak. The wet solid waste is either composted or micro composted. The Plastic Waste is collected and partly used for recycling and partly in road laying and the inert material is disposed in the landfill sites.

As per Hon'ble NGT order dated 15.07.2019 in O.A. No.710-713/2017, the detailed guidelines to be followed in respect of Solid Waste Management Rules, 2016 are illustrated below:

Sr. No.	Urban Local bodies	No of Wards	No of Households	Population	Solid Waste Generated per day
1	Municipal corporation Rohtak	22	97201	512469	170 TPD
2	Municipal Committee Meham	15	4973	22190	17 TPD
3	Municipal Committee Sampla	15	4266	25091	14 TPD
4	Municipal Committee Kalanaur	15	4484	30760	15 TPD

District Environment Plan [Rohtak]

5	Nagar panchayats (Town area Councils)	There is no nagar panchayat in Rohtak
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Sr. No.	Local Bodies	No of Village panchayats /Blocks	No of House holds	Population	Solid Waste Generated per day
2	Block /Taluk / Mandal Tehsils	05	120674	659754	114.03 TPD
3	Village/Gram Panchayats	147	120674	659754	114.03 TPD

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

Sr. No.	Action points For villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan
1.	<b>Segregation</b>				
(i)	Segregation of waste at source	<ul style="list-style-type: none"> <li>Yes, work is in progress 91% target has been achieved</li> <li>09 % gap is present.</li> </ul>	Yes, work is in progress 90% target has been achieved and 10 % gap will be achieved by 30.11.22	Municipal Corporation, Rohtak	31-12-2023
<ul style="list-style-type: none"> <li>Yes, work is in progress 75% target has been achieved</li> <li>25 % gap is present.</li> </ul>		Action plan to achieve segregation at source. Awareness programs, incentives, etc. is already underway.	Municipal Committee, Sampla	31-12-2023	
<ul style="list-style-type: none"> <li>Yes, Segregation is being done at source.</li> <li>No gap</li> </ul>		Action plan to achieves egregation at source. Awareness programs, incentives, etc.is already underway.	Municipal Committee, Kalanaur	Yes, 100% Target Achieved	
		<ul style="list-style-type: none"> <li>Yes, work is in progress 70% target has been achieved</li> <li>30 % gap is present.</li> </ul>	Action plan toachieves egregation at source. Awareness programs, incentives, etc. is already underway.	ULB, Municipal Committee, Meham	31-12-2023

## District Environment Plan [Rohtak]

		<ul style="list-style-type: none"> <li>Segregation is being done in 12 villages out of 135,</li> <li>30 % gap is present.</li> </ul>		CEO, ZP	31-12-2023
<b>2</b>	<b>Sweeping</b>				
(i)	Manual Sweeping	<ul style="list-style-type: none"> <li>Yes, Manual Sweeping done on regular basis once in residential areas and twice times in commercial areas.</li> <li>There is no Gap in Manual Sweeping.</li> <li>Approx. 965 Kms. length of road is being cleaned by manual sweeping.</li> <li>100 % Target Achieved.</li> </ul>	Action plan for reducing gap including method cleaning, frequency of sweeping etc.	Municipal Corporation Rohtak	<ul style="list-style-type: none"> <li>Yes, 100 % Target Achieved.</li> </ul>
		<ul style="list-style-type: none"> <li>Yes, Manual Sweeping done on regular basis once in residential areas and twice times in commercial areas.</li> <li>There is no Gap in Manual Sweeping.</li> <li>Approx. 10 Kms. length of road is being cleaned by manual sweeping.</li> <li>100 % Target Achieved.</li> </ul>	Action plan for reducing gap including method cleaning, frequency of sweeping etc.	Municipal Committee, Sampla	<ul style="list-style-type: none"> <li>Yes, 100 % Target Achieved.</li> </ul>
		<ul style="list-style-type: none"> <li>Yes, Manual Sweeping done on regular basis once in residential areas and twice times in commercial areas.</li> <li>There is no Gap in Manual Sweeping.</li> <li>Approx. 50 Kms. length of road is being cleaned by manual sweeping.</li> <li>100 % Target Achieved.</li> </ul>	Action plan for reducing gap including method cleaning, frequency of sweeping etc.	Municipal Committee, Kalanaur	<ul style="list-style-type: none"> <li>Yes, 100 % Target Achieved.</li> </ul>
		<ul style="list-style-type: none"> <li>Yes, Manual Sweeping done on regular basis once in residential areas and twice times in commercial areas.</li> <li>There is no Gap in Manual Sweeping.</li> <li>Approx. 50 Kms. length of road is being cleaned by manual sweeping.</li> <li>100 % Target Achieved.</li> </ul>	Action plan for reducing gap including method cleaning, frequency of sweeping etc.	Municipal Committee, Meham	<ul style="list-style-type: none"> <li>Yes, 100 % Target Achieved.</li> </ul>

**District Environment Plan [Rohtak]**

<b>S. No.</b>	<b>Action points For villages / blocks/ town municipalities / City corporations</b>	<b>Identification of gap</b>	<b>Action Plan</b>	<b>Responsible agencies</b>	<b>Timeline for completion of action plan</b>
(ii)	Mechanical Road Sweeping & Collection	<ul style="list-style-type: none"> <li>• Zero Gap</li> <li>• Mechanical Sweeping initiated and in Operation Mechanical Sweeping of Large Roads Initiated in city by Truck Mounted machine.</li> <li>• Approx. 70-80 Kms. length of Large Roads is being cleaned by Truck Mounted mechanized machine.</li> </ul>	100% (All major road). Treated waste water of STP will be used for sprinkling purpose before sweeping the roads.	Municipal Corporation, Rohtak.	Yes, 100 % target achieved.
		<ul style="list-style-type: none"> <li>• Zero Gap</li> <li>• Mechanical Sweeping initiated and in Operation Mechanical Sweeping of Large Roads Initiated in city by Truck Mounted machine.</li> <li>• Approx. 06 Kms. length of Large Roads is being cleaned by Truck Mounted mechanized machine.</li> </ul>	Project growth / Intend and action-plan with time line  Treated waste water of STP will be used for sprinkling purpose before sweeping the roads.	Municipal Committee, Sampla	Yes, 100 % target achieved.
		<ul style="list-style-type: none"> <li>• Manually Sweeping done in all wards &amp; All Roads</li> <li>• Process for Mechanical sweeping is Initiated.</li> </ul>	<ul style="list-style-type: none"> <li>• Process for Mechanical sweeping is Initiated.</li> </ul>	Municipal committee, kalanaur	31.12.2023
		<ul style="list-style-type: none"> <li>• Manually Sweeping done in all wards &amp; All Roads</li> <li>• Process for Mechanical</li> </ul>	<ul style="list-style-type: none"> <li>• Process for Mechanical sweeping is Initiated.</li> </ul>	Municipal Committee, Meham	31.12.2023

## District Environment Plan [Rohtak]

		sweeping is Initiated.			
<b>3</b>	<b>Waste Collection</b>				
(i)	100% collection of solid waste	<ul style="list-style-type: none"> <li>• Yes, 100 % Solid Waste collection, Segregation and transportation to Processing Site Initiated by private contractor (M/S IND Sanitation Solution Pvt. Ltd.)</li> <li>• No gap is assessed.</li> </ul>	100 % done.	Municipal Corporation, Rohtak	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul>
		<ul style="list-style-type: none"> <li>• Yes, 100 % Solid Waste collection, Segregation and transportation to Processing Site Initiated by private contractor (Balwan &amp; Company).</li> <li>• No gap is assessed.</li> </ul>	100 % done.	Municipal Committee, Sampla	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul>
		<ul style="list-style-type: none"> <li>• Yes, 100 % Solid Waste collection, Segregation and transportation to Processing Site Initiated by private contractor ( Balwan &amp; Company).</li> <li>• No gap is assessed.</li> </ul>	100 % done.	Municipal committee, kalanaur	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul>
		<ul style="list-style-type: none"> <li>• Yes, 100 % Solid Waste collection, Segregation and transportation to Processing Site Initiated by private contractor ( Balwan &amp; Company).</li> <li>• No gap is assessed.</li> </ul>	100 % done.	Municipal Committee, Meham	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul>
(ii)	Arrangement for door to door collection	<ul style="list-style-type: none"> <li>• Yes, Private Agency is Hired for waste Collection from Door to Door</li> <li>• Yes , 100 % Collection Target Achieved in 22 Wards</li> <li>• MC Will mention the data w.r.t no. of waste pickers and compartmentalized vehicle deployed for door to door collection.</li> </ul>	100 % done.	Municipal Corporation, Rohtak	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul> <p>360No. waste pickers and 106 vehicles deployed for door to door collection.</p>

## District Environment Plan [Rohtak]

		<ul style="list-style-type: none"> <li>• Yes, Balwan &amp; company is Hired for waste Collection from Door to Door</li> <li>• Yes , 100 % Collection Target Achieved in 15 Wards</li> <li>• MC Will mention the data w.r.t no. of waste pickers and compartmentalized vehicle deployed for for door to door collection.</li> </ul>	100 % done.	Municipal Committee, Sampla	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul> <p>46 No. workers and 7 vehicles deployed for door to door collection.</p>
		<ul style="list-style-type: none"> <li>• Yes, <b>M/s Balwan Company</b> is Hired for waste Collection from Door to Door</li> <li>• Yes, 100 % Collection Target Achieved in 15 Wards</li> <li>• MC Will mention the data w.r.t no. of waste pickers and compartmentalized vehicle deployed for door to door collection.</li> </ul>	100 % done.	Municipal committee, kalanaur	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul> <p>54 No. workers and 09 vehicles deployed for door to door collection.</p>
		<ul style="list-style-type: none"> <li>• Yes, Balwan &amp; company is Hired for waste Collection from Door to Door</li> <li>• Yes, 100 % Collection Target Achieved in 15 Wards</li> <li>• MC Will mention the data w.r.t no. of waste pickers and compartmentalized vehicle deployed for door to door collection.</li> </ul>	100 % done.	Municipal Committee, Meham,	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul> <p>66 No. workers and 12 vehicles deployed for door to door collection.</p>
(iii)	Waste Collection trolleys with separate compartments	<ul style="list-style-type: none"> <li>• Yes, 106 Nos waste collection trolleys are arranged with separate compartment for solid waste collection from door to door</li> <li>• No Gap is assessed.</li> </ul>	100 % done.	Municipal Corporation, Rohtak	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul>
		<ul style="list-style-type: none"> <li>• Yes, 7 Nos waste collection trolleys are arranged with separate compartment for</li> </ul>	100 % done.	Municipal Committee, Sampla	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul>

## District Environment Plan [Rohtak]

		<p>solid waste collection from door to door</p> <ul style="list-style-type: none"> <li>• No Gap is assessed.</li> </ul>			
		<ul style="list-style-type: none"> <li>• Yes, 9 Nos waste collection trolleys are arranged with separate compartment for solid waste collection from door to door</li> <li>• No Gap is assessed.</li> </ul>	100 % done.	Municipal committee, kalanaur	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul>
		<ul style="list-style-type: none"> <li>• Yes, 12 Nos waste collection trolleys are arranged with separate compartment for solid waste collection from door to door</li> <li>• No Gap is assessed.</li> </ul>	100 % done.	ULB, Municipal Committee, Meham	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul>
(iv)	Mini Collection Trucks with separate compartments	<ul style="list-style-type: none"> <li>• Yes, 62 waste collection garbage tippers are arranged with separate compartments for solid waste collection from door to door &amp; Secondary Collection Points.</li> </ul>	100 % done.	Municipal Corporation, Rohtak	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul>
		<ul style="list-style-type: none"> <li>• Yes, 2 no. of waste collection Tractor trolley are arranged with separate compartments for solid waste collection from door to door &amp; Secondary Collection Points.</li> </ul>	100 % done.	Municipal Committee, Sampla	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul>
		<ul style="list-style-type: none"> <li>• Yes, 02 small waste collection trolleys are arranged with separate compartments for solid waste collection from door to door &amp; Secondary Collection Points.</li> </ul>	100 % done.	Municipal committee, kalanaur	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul>
		<ul style="list-style-type: none"> <li>• Yes, 10 waste collection trolleys are arranged with separate compartments for solid waste</li> </ul>	100 % done.	ULB, Municipal Committee, Meham	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul>

## District Environment Plan [Rohtak]

		collection from door to door & Secondary Collection Points.			
(v)	Waste Deposition centres (for domestic hazardous waste)	<ul style="list-style-type: none"> <li>• Yes, Partition done for Domestic Hazardous waste in Material Recovery Facility.</li> <li>• Additional compartment with each door to door solid waste collecting vehicle for collection of domestic Hazardous waste be provided.</li> <li>• 01 additional compartment at material recovery facility for storage of domestic Hazardous waste be provided.</li> <li>• Agreement with CHWTF be made.</li> </ul>		Municipal Corporation, Rohtak	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul> 31.12.2023.
		<ul style="list-style-type: none"> <li>• Additional compartment with each door to door solid waste collecting vehicle for collection of domestic Hazardous waste be provided.</li> <li>• 01 additional compartment at material recovery facility for storage of domestic Hazardous waste be provided.</li> <li>• Agreement with CHWTF be made.</li> </ul>		Municipal Committee, Sampla	31.12.2023  31.12.2023  31.12.2023
		<ul style="list-style-type: none"> <li>• Additional compartment with each door to door solid waste collecting vehicle for collection of domestic Hazardous waste be provided.</li> <li>• 01 additional compartment at material recovery facility for storage of domestic Hazardous waste be provided.</li> <li>• Agreement with CHWTF be made.</li> </ul>		Municipal committee, kalanaur	31.12.2023  31.12.2023  31.12.2023

## District Environment Plan [Rohtak]

		<ul style="list-style-type: none"> <li>• Additional compartment with each door to door solid waste collecting vehicle for collection of domestic Hazardous waste be provided.</li> <li>• 01 additional compartment at material recovery facility for storage of domestic Hazardous waste be provided.</li> <li>• Agreement with CHWTF be made.</li> </ul>		Municipal Committee, Meham	31.12.2023  31.12.2023  31.12.2023
<b>4.</b>	<b>Waste Transport</b>				
(i)	Review existing infrastructure for waste Transport.	<ul style="list-style-type: none"> <li>• 106 Nos Waste Collection trolleys and Mini Tipper are available for the transportation of waste.</li> <li>• 360 workers deployed for transportation of waste.</li> <li>• No shorts coming.</li> </ul>	100 % done	Municipal Corporation, Rohtak	Activity completed.
		<ul style="list-style-type: none"> <li>• 25 Nos Waste Collection trolleys (Rickshaws), 5 Nos Mini Tractor trolley, 1 Refuse compactor are available for the transportation of waste.</li> <li>• 40 workers deployed for transportation of waste.</li> <li>• No shorts coming</li> </ul>	Action plan for short-comings identified.	Municipal Committee, Sampla	Activity completed.
		<ul style="list-style-type: none"> <li>• 25 Nos Waste Collection (Rickshaw 09 Nos (Small +Big 6+3) Tractor Trolleys are available for the transportation of waste.</li> <li>• 52 workers deployed for transportation of waste.</li> </ul>	Action plan for short-comings identified	Municipal committee, kalanaur	Activity completed.

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		<ul style="list-style-type: none"> <li>No shorts coming</li> </ul>			
		<ul style="list-style-type: none"> <li>20 Nos Waste Collection trolleys (Rickshaw)</li> <li>10 Nos Mini Tractor Trolleys are available for the transportation of waste.</li> <li>50 workers deployed for transportation of waste.</li> <li>No shorts coming</li> </ul>	Action plan for short-comings identified.	Municipal Committee, Meham	Activity completed.
(ii)	Bulk Waste Trucks	<ul style="list-style-type: none"> <li>2 nos trucks are Run by private agencies hired by ULB.</li> <li>No Gap is assessed.</li> </ul>	No need	Municipal Corporation, Rohtak	<ul style="list-style-type: none"> <li>Yes, 100 % target achieved</li> </ul>
		<ul style="list-style-type: none"> <li>4 nos tractor trolley are Run by private agencies hired by ULB</li> <li>No Gap is assessed.</li> </ul>	[action plan for procurement if required]	Municipal Committee, Sampla	<ul style="list-style-type: none"> <li>Yes, 100 % target achieved</li> </ul>
		<ul style="list-style-type: none"> <li>3 nos tractor trolley are Run by private agencies hired by ULB</li> <li>No Gap is assessed.</li> </ul>	[action plan for procurement if required]	Municipal committee, kalanaur	<ul style="list-style-type: none"> <li>Yes, 100 % target achieved</li> </ul>
		<ul style="list-style-type: none"> <li>10 nos tractor trolley are Run by private agencies hired by ULB.</li> <li>No Gap is assessed.</li> </ul>	[action plan for procurement if required]	Municipal Committee, Meham	<ul style="list-style-type: none"> <li>Yes, 100 % target achieved</li> </ul>
(iii)	Waste Transfer points	<ul style="list-style-type: none"> <li>24 Nos of Waste Transfer points are available for bulk waste.</li> <li>MC will provide boundary wall and green belt around the waste transfer points for aesthetic view to the public/ passer-by.</li> <li>No Gap is assessed.</li> </ul>	No need	Municipal Corporation, Rohtak	<ul style="list-style-type: none"> <li>Yes, 100 % target achieved</li> </ul>
		<ul style="list-style-type: none"> <li>09 Nos of Waste Transfer points are available for bulk waste.</li> <li>MC will provide boundary wall and green belt around</li> </ul>	[action plan for installation if required]	Municipal Committee, Sampla	<ul style="list-style-type: none"> <li>Yes, 100 % target achieved</li> </ul>

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		the waste transfer points for aesthetic view to the public/ passer-by.			
		<ul style="list-style-type: none"> <li>• 07 Nos of Waste Transfer points are available for bulk waste.</li> <li>• MC will provide boundary wall and green belt around the waste transfer points for aesthetic view to the public/ passer-by.</li> </ul>	[action plan for installation if required]	Municipal committee, kalanaur	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved.</li> <li>• 31.12.2023.</li> </ul>
		<ul style="list-style-type: none"> <li>• 06 Nos of Waste Transfer points are available for bulk waste.</li> <li>• MC will provide boundary wall and green belt around the waste transfer points for aesthetic view to the public/ passer-by.</li> </ul>	[action plan for installation if required]	ULB, Municipal Committee, Meham	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved.</li> <li>• 31.12.2023.</li> </ul>
(iv)	Vehicles for collection of waste, status of compartmentalization and GPS system	<ul style="list-style-type: none"> <li>• 106 Nos - Compartment Vehicles with GPS system enable</li> <li>• No Gap is assessed.</li> </ul>		Municipal Corporation, Rohtak	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul>
		<ul style="list-style-type: none"> <li>• 07 Nos - Compartment Vehicles GPS system enable,</li> <li>• No Gap is assessed.</li> </ul>		Municipal Committee, Sampla	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul>
		<ul style="list-style-type: none"> <li>• 09 Nos - Compartment Vehicles with GPS system enable,</li> <li>• No Gap is assessed.</li> </ul>		Municipal committee, kalanaur	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul>
		<ul style="list-style-type: none"> <li>• 12 Nos - Compartment Vehicles with GPS system enable</li> <li>• No Gap is assessed.</li> </ul>		Municipal Committee, Meham	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul>
(v)	Transportation of solid waste	<ul style="list-style-type: none"> <li>• Yes, Adequate vehicles deployed by contractor / agency hired by ULB</li> <li>• No Gap is assessed.</li> </ul>		Municipal Corporation, Rohtak	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul>

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		<ul style="list-style-type: none"> <li>• Yes, Adequate vehicles deployed by contractor / agency hired by ULB</li> <li>• No Gap is assessed.</li> </ul>		Municipal Committee, Sampla	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul>
		<ul style="list-style-type: none"> <li>• Yes, Adequate vehicles deployed by contractor / agency hired by ULB</li> <li>• No Gap is assessed.</li> </ul>		Municipal committee, kalanaur	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul>
		<ul style="list-style-type: none"> <li>• Yes, Adequate vehicles deployed by contractor / agency hired by ULB.</li> <li>• No Gap is assessed.</li> </ul>		Municipal Committee, Meham	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved</li> </ul>
<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)	<ul style="list-style-type: none"> <li>• Yes, 3 Nos of bulk waste generators identified in city which manage their waste by their self by converting wet waste in compost using compost pits mechanism. All hotel/Dhaba eating point with bulk waste generator) wet waste collected by livestock owners, cross verification done by Sanitation staff by MC Rohtak and found that wet waste was being collected by livestock owners for feeding of food their livestock.</li> <li>• MC will make agreement with bulk waste generators for collection, transportation and management of Dry waste and fix user charges.</li> </ul>	100 % Wet-waste Management: On-site composting by bulk waste generators.	Municipal Corporation, Rohtak	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved.</li> <li>• 31.12.2023</li> </ul>

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		<ul style="list-style-type: none"> <li>No BWG in MC SAMPLA Jurisdiction.</li> </ul>	Action for getting onsite composting plants commissioned	Municipal Committee, Sampla	No BWG in MC SAMPLA Jurisdiction.
		<ul style="list-style-type: none"> <li>No BWG in MC KALANAUR Jurisdiction.</li> </ul>	Action for getting on site composting plants commissioned	Municipal committee, kalanaur	No BWG in MC KALANAUR Jurisdiction.
		<ul style="list-style-type: none"> <li>Yes, 3 Nos of bulk waste generators identified in city which manage their waste by their self by converting wet waste in compost using compost pits mechanism. All hotel/Dhaba eating point with bulk waste generator) wet waste collected by livestock owners, cross verification done by Sanitation staff by MC Meham and found that wet waste was being collected by livestock owners for feeding of food their livestock.</li> <li>MC will make agreement with bulk waste generators for collection, transportation and management of Dry waste and fix user charges.</li> </ul>	Action for getting onsite composting plants commissioned	ULB, Municipal Committee, Meham	<ul style="list-style-type: none"> <li>Yes, 100 % target achieved.</li> </ul>
(ii)	Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wets waste.	<ul style="list-style-type: none"> <li>Waste to Compost plant is already functional-</li> <li>No Gap Assessed.</li> <li>Feasibility of supply of edible wet waste is being explored for livestock.</li> <li>MC will maintain proper record mentioning the quantity of wet-waste put in the compost pits, quantity of manure</li> </ul>	<p>Waste to Compost plant already functional</p> <p>Wet waste is processed through Windrow composting technology in SWM Plant.</p> <p>Record is being maintained and Manure is given to farmers free of cost.</p>	Municipal Corporation, Rohtak	<ul style="list-style-type: none"> <li>Yes, 100 % target achieved.</li> </ul>

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		produces from processing of wet-waste, quantity of manure sold/free of cost given to the farmers.			
		<ul style="list-style-type: none"> <li>• 14 Nos Composting Pits constructed for Wet Waste Management / No Biomethanation is wet waste system is available.</li> <li>• Composting Pits are adequate for wet waste processing - No Gap Assessed.</li> <li>• Feasibility of supply of edible wet waste is being explored for livestock.</li> </ul>		Municipal Committee, Sampla	Yes, 100 % target achieved.
		<ul style="list-style-type: none"> <li>• 12 Nos Composting Pits constructed for Wet Waste Management / No Biomethanation is wet waste system is available.</li> <li>• Composting Pits are adequate for wet waste processing - No Gap Assessed.</li> <li>• Feasibility of supply of edible wet waste is being explored for livestock.</li> </ul>		Municipal committee, kalanaur	Yes, 100 % target achieved.
		<ul style="list-style-type: none"> <li>• 20 Nos Composting Pits constructed for Wet Waste Management / No Biomethanation is wet waste system is available.</li> <li>• Composting Pits are adequate for wet waste processing</li> <li>• No Gap Assessed.</li> <li>• Feasibility of supply of edible wet waste is being explored for livestock.</li> </ul>		Municipal Committee, Meham,	Yes, 100 % target achieved.
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	<ul style="list-style-type: none"> <li>• Yes, 1 No. MRF is available at Solid Waste Management Plant, Rohtak and in operation for dry waste management.</li> </ul>	Already MRF facility exist in SWM plant for dry waste management.	Municipal Corporation, Rohtak	Yes, 100 % target achieved.

## District Environment Plan [Rohtak]

		<ul style="list-style-type: none"> <li>MC will maintain record w.r.t. quantity of Dry waste stored at MRF and disposal inscientific manner.</li> <li>No gap in MRF center. Target achieved.</li> </ul>	Record is being maintained.		
		<ul style="list-style-type: none"> <li>Yes, 1 No. MRF is available at Solid Waste Management Plant, Rohtak and in operation for dry waste management.</li> <li>MC Sampla also registered Balwan &amp; Company Sonipat for processing of Dry Waste.</li> <li>There is Gap no gap in MRF center.</li> </ul>		Municipal Committee, Sampla	Yes, 100 % target achieved.
		<ul style="list-style-type: none"> <li>Yes, 1 No. MRF is available at Solid Waste Management Plant, Rohtak and in operation for dry waste management.</li> <li>No gap in MRF center.</li> </ul>	Action plan for use of dry segregated waste in MRF operation	Municipal committee, kalanaur	Yes, 100 % target achieved.
		<ul style="list-style-type: none"> <li>Yes, 1 No. Temporary MRF is available at Solid Waste Management Plant, Meham and in operation for dry waste management.</li> <li>MC Meham also registered M/s Balwan &amp; Company Sonipat for processing of Dry Waste.</li> <li>No gap in MRF center.</li> </ul>	Action plan for use of dry segregated waste in MRF operation	ULB, Municipal Committee, Meham,	Yes, 100 % target achieved.
(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	<ul style="list-style-type: none"> <li>Disposing at designated site (MRF &amp; Wet Composting Pits) at MSW site Rohtak cluster for disposal of inert waste.</li> <li>MC will identify suitable site for sanitary landfill for disposal of inert and non-</li> </ul>	Action plan (i) to construct sanitary landfill If required (ii) Action plan to minimize land filling	Municipal Corporation, Rohtak	Yes, 100 % target achieved.

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		<ul style="list-style-type: none"> <li>recyclable waste.</li> <li>MC will develop/construct site for disposal of inert and non-recyclable waste.</li> </ul>			
		<ul style="list-style-type: none"> <li>Disposing at designated site (MRF &amp; Wet Composting Pits) for a while till sanitary landfill construction. MC Sampla attached with Rohtak cluster for disposal of inert waste.</li> <li>No gap.</li> </ul>		Municipal Committee, Sampla	<p>Yes, 100 % target achieved.</p> <p>Whole inert and non-recyclable waste transferred to MC Rohtak.</p>
		<ul style="list-style-type: none"> <li>Disposing at designated site (MRF &amp; Wet Composting Pits) for a while till sanitary landfill construction. MC Kalanaur attached with Rohtak cluster for disposal of inert waste.</li> <li>No gap.</li> </ul>		Municipal Committee, Kalanaur	<p>Yes, 100 % target achieved.</p> <p>Whole inert and non-recyclable waste transferred to MC Rohtak.</p>
		<ul style="list-style-type: none"> <li>Disposing at designated site (MRF &amp; Wet Composting Pits) for a while till sanitary landfill construction. Municipal Committee, Meham attached with Rohtak cluster for disposal of inert waste.</li> <li>No gap.</li> </ul>		Municipal Committee, Meham,	<p>Yes, 100 % target achieved.</p> <p>Whole inert and non-recyclable waste transferred to MC Rohtak.</p>
(v)	Remediation of historic / legacy dumpsite	<ul style="list-style-type: none"> <li>Yes, Remediation of Legacy dumpsite is in Progress.</li> <li>Legacy waste Total quantity - 8,00,000 MT</li> <li>Treated quantity 5,50,000 MT</li> <li>Balance- 2,50,000 MT.</li> </ul>	Work of remediation of legacy waste already started	Municipal Corporation, Rohtak	31.12.2023.

## District Environment Plan [Rohtak]

		<ul style="list-style-type: none"> <li>• 32% gap.</li> </ul>			
		<ul style="list-style-type: none"> <li>• No legacy dumpsite in M.C. Sampla area.</li> <li>• No gap.</li> </ul>		Municipal Committee, Sampla	NA
		<ul style="list-style-type: none"> <li>• No legacy dumpsite in M.C. Kalanaur area.</li> <li>• No gap.</li> </ul>		Municipal Committee, Kalanaur	NA
		<ul style="list-style-type: none"> <li>• Yes, for Remediation of Legacy waste work order has been issued. Legacy waste work is in progress and 70% work has been completed. Total quantity of legacy waste at old site is 13630 M.T.</li> <li>• 30% gap.</li> </ul>	Work of remediation of legacy waste is in process.	Municipal Committee, Meham,	31.12.2023
vi)	Involvement of NGOs	<ul style="list-style-type: none"> <li>• Yes, Time to time NGOs involved for management of solid waste IEC Campaign.</li> <li>• Yes, Already campaigning done.</li> <li>• Efforts will be made to engage more NGOs in campaign.</li> <li>• MC will involve NGOs/ RWA to bring awareness among the public about various activities to manage Solid Waste.</li> </ul>	NGOs can be involved for management of solid waste campaign	Municipal Corporation, Rohtak	Regular Activity
		<ul style="list-style-type: none"> <li>• MC will involve NGOs/ RWA to bring awareness among the public about various activities to manage Solid Waste.</li> </ul>		Municipal Committee, Sampla.	31.12.2023
		<ul style="list-style-type: none"> <li>• MC will involve NGOs/ RWA to bring awareness among the public about various activities to</li> </ul>		Municipal Committee, Kalanaur	31.12.2023

## District Environment Plan [Rohtak]

		manage Solid Waste.			
		<ul style="list-style-type: none"> <li>MC will involve NGOs/ RWA to bring awareness among the public about various activities to manage Solid Waste.</li> </ul>		ULB DDPO, Municipal Committee, Meham,	31.12.2023
(vii)	EPR of Producers: Linkage with Producers / Brand Owners	<ul style="list-style-type: none"> <li>Not Initiated</li> <li>Yes</li> <li>No Extended Producer Responsibility (EPR) Producer is identified.</li> <li>MC will identify producers/ Brand owners for Plastic Waste.</li> <li>MC will identify Plastic Waste processors for processing of Plastic Waste.</li> <li>MC will make agreement with Plastic Waste processing facility and start sending Plastic Waste to processing facility.</li> </ul>	Action plan for linkage of all producers/brand owners or their PROs for collection of Plastic Waste	Municipal Corporation, Rohtak	31.12.2023  31.12.2023  31.12.2023 31.12.2023
		<ul style="list-style-type: none"> <li>Not Initiated</li> <li>Yes</li> <li>No Extended Producer Responsibility (EPR) Producer is identified.</li> <li>MC will identify producers/ Brand owners for Plastic Waste.</li> <li>MC will identify Plastic Waste processors for processing of Plastic Waste.</li> <li>MC will make agreement with Plastic Waste processing facility and start sending</li> </ul>		Municipal Committee, Sampla.	31.12.2023  31.12.2023  31.12.2023 31.12.2023

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		<ul style="list-style-type: none"> <li>Plastic Waste to processing facility.</li> <li>100% gap.</li> </ul>			
		<ul style="list-style-type: none"> <li>Not Initiated</li> <li>Yes</li> <li>No Extended Producer Responsibility (EPR) Producer is identified.</li> <li>MC will identify producers/ Brand owners for Plastic Waste.</li> <li>MC will identify Plastic Waste processors for processing of Plastic Waste.</li> <li>MC will make agreement with Plastic Waste processing facility and start sending Plastic Waste to processing facility.</li> <li>100% gap.</li> </ul>		Municipal Committee, Kalanaur	<p>31.12.2023</p> <p>31.12.2023</p> <p>31.12.2023 31.12.2023</p>
		<ul style="list-style-type: none"> <li>MC will identify producers/ Brand owners for Plastic Waste.</li> <li>MC will identify Plastic Waste processors for processing of Plastic Waste.</li> <li>MC will make agreement with Plastic Waste processing facility and start sending Plastic Waste to processing facility.</li> </ul>		Municipal Committee, Meham	<p>31.12.2023</p> <p>31.12.2023</p> <p>31.12.2023 31.12.2023</p>
(viii)	Authorization of Waste Pickers	<ul style="list-style-type: none"> <li>Yes, 77 Rag Pickers are registered with Municipal Corporation as per guide lines.</li> <li>No gap.</li> </ul>	List of authorized waste pickers should be available	Municipal Corporation, Rohtak	Yes, 100 % target achieved.

District Environment Plan [Rohtak]

		<ul style="list-style-type: none"> <li>• Yes, 14 Rag Pickers are registered with Municipal Committee as per guide lines.</li> <li>• No gap..</li> </ul>		Municipal Committee, Sampla.	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved.</li> </ul>
		<ul style="list-style-type: none"> <li>• Yes, 20 Rag Pickers are registered with Municipal Committee as per guide lines.</li> <li>• No gap.</li> </ul>		Municipal Committee, Kalanaur	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved.</li> </ul>
		<ul style="list-style-type: none"> <li>• Yes, 05 Rag Pickers are registered with Municipal Committee as per guide lines.</li> <li>• No gap.</li> </ul>		Municipal Committee, Meham,	<ul style="list-style-type: none"> <li>• Yes, 100 % target achieved.</li> </ul>
(ix)	Preparation of own by-laws to comply with SWM Rules 2016	<ul style="list-style-type: none"> <li>• Yes , Bye Laws is prepared by Municipal Council for SWM Rule ,2016</li> <li>• No gap.</li> </ul>	100 % done	Municipal Corporation, Rohtak	Yes, 100 % target achieved.
		<ul style="list-style-type: none"> <li>• es , Bye Laws is prepared by Municipal Council for SWM Rule ,201</li> <li>• o gap.</li> </ul>		Municipal Committee, Sampla.	<ul style="list-style-type: none"> <li>• Yes , 100% Target achieved</li> </ul>
		<ul style="list-style-type: none"> <li>• es , Bye Laws is prepared by Municipal Council for SWM Rule ,2016</li> <li>• o gap.</li> </ul>		Municipal Committee, Kalanaur	<ul style="list-style-type: none"> <li>• Yes , 100% Target achieved</li> </ul>
		<ul style="list-style-type: none"> <li>• es , Bye Laws is prepared by Municipal Council for SWM Rule ,2016</li> <li>• o gap.</li> </ul>		ULB Municipal Committee, Meham,	<ul style="list-style-type: none"> <li>• Yes , 100% Target achieved</li> </ul>

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(ii) **Plastic Waste Management**

(a) **Current status related to Plastic Waste management**

Sr.No	Urban Local bodies	Estimated quantity of Plastic Waste Generated per day
1	Municipal corporation, Rohtak	7-8 MTPD
2	Municipal Committee, Sampla	30-40 Kg., per day
	Municipal Committee, Kalanaur	50-60 Kg. per day
	Municipal Committee, Meham	60-70 Kg. Per Day
3	Nagar panchayats (Town area Councils)	Nil (There is no town area councils in Rohtak)

Sr.No.	Local Bodies	Plastic Waste Generated per day
2	Block /Taluk / Mandal Tehsil	8.7 TPD
3	Village/Gram Panchayats	8.7 TPD

(b) **Identification of gaps and Action plan:**

Sr.No	Action points For village panchayats/ blocks/ municipalities / corporations	Identification of gap	Action plan	Agencies Responsible	Target time for Compliance
1.	Door to Door collection of dry waste including Plastic Waste	<ul style="list-style-type: none"> <li>Yes, 100% door to door collection done by M/S IND sanitation solution pvt. Ltd.</li> <li>MC will mention data w.r.t no. of waste pickers and no. of compartmentalized vehicles deployed for door to door collection of dry waste including Plastic Waste.</li> <li>No Gap Assessed</li> </ul>	<p>100 % collection of Plastic Waste is being done.</p> <p>77 no. of informal rag pickers registered with MC for collection of Plastic Waste.</p>	Municipal Corporation, Rohtak	Yes, 100% Target achieved
		<ul style="list-style-type: none"> <li>Yes, 100% door to door collection done by M/S Balwan &amp; Company.</li> <li>MC will mention data w.r.t</li> </ul>	<p>100 % collection of Plastic Waste is being done.</p> <p>14 no. of informal</p>	Municipal Committee, Sampla.	Yes , 100% Target achieved

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		<p>no. of waste pickers and no. of compartmentalized vehicles deployed for door to door collection of dry waste including Plastic Waste.</p> <ul style="list-style-type: none"> <li>• No Gap Assessed</li> </ul>	<p>rag pickers registered with MC for collection of Plastic Waste.</p>		
		<ul style="list-style-type: none"> <li>• Yes, 100% door to door collection done by M/S Balwan &amp; Company.</li> <li>• MC will mention data w.r.t no. of waste pickers and no. of compartmentalized vehicles deployed for door-to-door collection of dry waste including Plastic Waste.</li> <li>• No Gap Assessed</li> </ul>	<p>100 % collection of Plastic Waste is being done.</p> <p>20 no. of informal rag pickers registered with MC for collection of Plastic Waste.</p>	<p>Municipal Committee, Kalanaur</p>	<p>Yes , 100% Target achieved</p>
		<ul style="list-style-type: none"> <li>• Yes, 100% door to door collection done by M/S Balwan &amp; Company.</li> <li>• MC will mention data w.r.t no. of waste pickers and no. of compartmentalized vehicles deployed for door to door collection of dry waste including Plastic</li> </ul>	<p>100 % collection of Plastic Waste is being done.</p> <p>05 no. of informal rag pickers registered with MC for collection of Plastic Waste.</p>	<p>Municipal Committee, Meham</p>	<p>Yes, 100% Target achieved</p>

## District Environment Plan [Rohtak]

		<ul style="list-style-type: none"> <li>Waste.</li> <li>No Gap Assessed</li> </ul>			
2.	Facilitate organized collection of PLASTIC WASTE at Waste transfer point or Material	<ul style="list-style-type: none"> <li>1 Plastic Waste collection centre near Palika Colony, Bhiwani Road.</li> <li>Plastic Waste is disposed off through M/s Green Planet Waste Management Pvt. Ltd.</li> </ul>	Within the district outline specific plans for Each village panchayat/block /municipality / Nagar panchavat/ Corporations for Plastic Waste collection	Municipal Corporation Rohtak	31.12.2023
		MRF in M.C. area	<p>14 no. of informal rag pickers registered with MC for collection of Plastic Waste.</p> <p>01 MRF in M.C. area</p>	Municipal Committee Sampla	31.12.2023
		<ul style="list-style-type: none"> <li>Installation of MRF Centre on Site on which Plastic Waste segregate separately.</li> <li>No. of rag pickers</li> <li>Tracing of recycler/ Brand owner is in progress</li> </ul>	<ul style="list-style-type: none"> <li>01 MRF Centre is installed on Site on which Plastic Waste segregate separately.</li> <li>Yes With 20 no. rag pickers.</li> </ul>	Municipal Committee, Kalanaur	31.12.2023
		<ul style="list-style-type: none"> <li>Installation of MRF Centre on which Plastic Waste segregate separately.</li> <li>No. of rag pickers</li> <li>Tracing of recycler/ Brand owner is in progress</li> </ul>	<ul style="list-style-type: none"> <li>01 MRF Centre is installed on Site on which Plastic Waste segregate separately.</li> <li>Yes With 05 no. rag pickers.</li> </ul>	Municipal Committee, Meham,	31.12.2023
3.	Plastic Waste collection Centers	Plastic Waste collection centre should be established in adequate numbers. Coordination with	1 Plastic Waste collection centre near Palika Colony, Bhiwani Road.	Municipal Corporation, Rohtak	Yes , 100% Target achieved

District Environment Plan [Rohtak]

		State Urban Department may be necessary			
		Plastic Waste collection centre should be established in adequate numbers. Coordination with State Urban Department may be necessary	01 no. of temporary MRF Centre is installed on Site on which Plastic Waste segregate separately.	Municipal Committee, Sampla	
		Plastic Waste collection centre should be established in adequate numbers. Coordination with State Urban Department may be necessary	01 no. of temporary MRF Centre is installed on Site on which Plastic Waste segregate separately. No Gap Assessed	Municipal Committee, Kalanaur	Yes , 100% Target achieved
		Plastic Waste collection centre should be established in adequate numbers. Coordination with State Urban Department may be necessary	01 no. of temporary MRF Centre is installed on Site on which Plastic Waste segregate separately. No Gap Assessed	Municipal Committee, Meham,	Yes , 100% Target achieved
4.	Awareness and education programs implementation	Yes Initiated for IEC to avoid use of Plastic in routine life to minimize Plastic Waste. No Gap Assessed	Education through mass media, schools, Producer / brand owner campaigns and other channels	Municipal Corporation, Rohtak	Regular activity.
		Yes Initiated for IEC to avoid use of Plastic in routine life to minimize Plastic Waste. No Gap Assessed		Municipal CommitteeSa mpla	Regular activity.
		Yes Initiated for IEC to avoid use of Plastic in routine life to minimize Plastic Waste. No Gap Assessed		Municipal Committee, Kalanaur	Regular activity.
		Yes Initiated for IEC to avoid use of Plastic in routine life to minimize Plastic Waste. No Gap Assessed		Municipal Committee, Meham,	Regular activity.

District Environment Plan [Rohtak]

5.	Access to Plastic Waste Disposal Facilities	<ul style="list-style-type: none"> <li>MC will identify Plastic Waste processors for processing of Plastic Waste.</li> <li>MC will make agreement with Plastic Waste processing facility</li> <li>MC will start sending Plastic Waste to processing facility.</li> </ul>	Plastic Waste will be sent to Cement plant & waste to Energy plant Gazipur through M/s Green Planet Waste Management Pvt. Ltd. 100% gap.	Municipal Corporation, Rohtak	31.12.2023  31.12.2023  31.12.2023
		<ul style="list-style-type: none"> <li>MC will identify Plastic Waste processors for processing of Plastic Waste.</li> <li>MC will make agreement with Plastic Waste processing facility</li> <li>MC will start sending Plastic Waste to processing facility.</li> </ul>		Municipal Committee Sampla	31.12.2023  31.12.2023  31.12.2023
		<ul style="list-style-type: none"> <li>MC will identify Plastic Waste processors for processing of Plastic</li> </ul>	PLASTIC WASTE will be sent to Cement plant & waste to Energy plant. PLASTIC WASTE recycling / utilization or	Municipal Committee, Kalanaur	31.12.2023

District Environment Plan [Rohtak]

		<p>Waste.</p> <ul style="list-style-type: none"> <li>• MC will make agreement with Plastic Waste processing facility</li> <li>• MC will start sending Plastic Waste to processing facility.</li> </ul>	<p>disposal facilities will be accessed. 100% gap.</p>		<p>31.12.2023</p> <p>31.12.2023</p>
		<ul style="list-style-type: none"> <li>• MC will identify Plastic Waste processors for processing of Plastic Waste.</li> <li>• MC will make agreement with Plastic Waste processing facility</li> <li>• MC will start sending Plastic Waste to processing facility.</li> </ul>	<p>PLASTIC WASTE will be sent to Cement plant &amp; waste to Energy plant. PLASTIC WASTE recycling / utilization or disposal facilities will be accessed. 100% gap.</p>	<p>Municipal Committee, Meham,</p>	<p>31.12.2023</p> <p>31.12.2023</p> <p>31.12.2023</p>

**(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)		5 TPD
MC, Sampla		0.5 TPD
Municipal Committee, Kalanaur		0.1 TPD
MC, Meham		0.5 TPD

### District Environment Plan [Rohtak]

Does the District have access to C&D waste recycling facility?	Municipal Corporation, Rohtak	There is C & D Waste Collection site at Ward No. 22, Jail Road, Village Sunarian, Rohtak.
	Municipal Committee Sampla	No
	Municipal Committee, Kalanaur	No
	Municipal Committee, Meham	No

District Environment Plan [Rohtak]

b. Identification of gaps and Action plan:

S. No.	Action points for blocks / town municipalities /City corporations	Identification of Gaps	Action Plan	Responsible agency	Timeline for completion of action plan
1.	Arrangement for separate collection of C&D waste to C&D waste deposition point.	Action plan for every local body in district. District may identify common C&D waste deposition points	<ul style="list-style-type: none"> <li>• Yes Collection of C&amp;D waste separately.</li> <li>• Separate site for storage of C&amp;D waste has been identified Ward No. 22, Jail Road, Village Sunarian, Rohtak.</li> </ul>	Municipal Corporation, Rohtak.	Yes, 100 % target achieved.
		Action plan for every local body in district. District may identify common C&D waste deposition points	<ul style="list-style-type: none"> <li>• Yes Collection of C&amp;D wastes separately.</li> <li>• Site identified for C&amp;D waste deposition.</li> <li>• Tractor Trolley is available for C&amp;D waste collection &amp; Transportation at deposition site.</li> <li>• C&amp;D waste for further use in construction work/ low lying area.</li> </ul>	Municipal Committee Sampla	Yes, 100 % target achieved.
		Action plan for every local body in district. District may identify common C&D waste deposition points	<ul style="list-style-type: none"> <li>• Yes Collection of C&amp;D wastes separately.</li> <li>• Site identified for C&amp;D waste deposition.</li> <li>• Tractor Trolley is available for C&amp;D waste collection &amp; Transportation at deposition site.</li> <li>• C&amp;D waste for further use in construction work/ low lying area.</li> </ul>	Municipal Committee, Kalanaur	Yes, 100 % target achieved.
		Action plan for every local body in district. District may identify common	<ul style="list-style-type: none"> <li>• Yes Collection of C&amp;D wastes separately.</li> <li>• Site identified for</li> </ul>	Municipal Committee, Meham	Yes, 100 % target achieved.

District Environment Plan [Rohtak]

		C&D waste deposition points	C&D waste deposition. <ul style="list-style-type: none"> <li>• Tractor Trolley is available for C&amp;D waste collection &amp; Transportation at deposition site.</li> <li>• C&amp;D waste for further use in construction work/ low lying area.</li> </ul>		
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?	Common by-laws may be implemented in District. Local C&D waste management plans can be integrated to develop common collection and recycling facilities	<ul style="list-style-type: none"> <li>• Yes, user charge notified.</li> <li>• No gap.</li> </ul>	Municipal Corporation, Rohtak.	Activity completed
		Common by-laws may be implemented in District. Local C&D waste management plans can be integrated to develop common collection and recycling facilities	<ul style="list-style-type: none"> <li>• No bulk C &amp; D waste generator is existing in MC SAMPLA Jurisdiction.</li> <li>• Yes by laws constituted.</li> <li>• No gap.</li> </ul>	Municipal Committee Sampla	Activity completed
		Common by-laws may be implemented in District. Local C&D waste management plans can be integrated to develop common collection and recycling facilities	<ul style="list-style-type: none"> <li>• No bulk C &amp; D waste generator is existing in MC Kalanaur Jurisdiction.</li> <li>• Yes by laws constituted.</li> <li>• No gap.</li> </ul>	Municipal Committee, Kalanaur	Activity completed
		Common by-laws may be implemented in District. Local C&D waste management plans can be integrated to develop common collection and recycling facilities	<ul style="list-style-type: none"> <li>• No bulk C &amp; D waste generator is existing in Municipal Committee, Meham Jurisdiction.</li> <li>• Yes by laws constituted.</li> </ul>	Municipal Committee, Meham,	Activity completed

## District Environment Plan [Rohtak]

			<ul style="list-style-type: none"> <li>No gap.</li> </ul>		
3.	C&D recycling Facility	<ul style="list-style-type: none"> <li>MC will develop C &amp; D waste deposition sites.</li> <li>MC will install grinding machinery for grinding/ crushing of C &amp; D Waste to make C&amp; D Waste recyclable.</li> <li>MC will start sending the C&amp;D Waste for uses in paving block/ lower layer of road pavements, rural road etc.</li> </ul>	<ul style="list-style-type: none"> <li>Separate site for storage of C&amp;D waste has been identified Ward No. 22, Jail Road, Village Sunarian, Rohtak.</li> </ul>	Municipal Corporation Rohtak.	<p>Yes, 100 % target achieved.</p> <p>31.12.2023</p> <p>31.01.2024</p>
		<ul style="list-style-type: none"> <li>MC will develop C &amp; D waste deposition sites.</li> <li>MC will install grinding machinery for grinding/ crushing of C &amp; D Waste to make C&amp; D Waste recyclable.</li> <li>MC will start sending the C&amp;D Waste for uses in paving block/ lower layer of road pavements, rural road etc.</li> </ul>	<p>Separate site for storage of C&amp;D waste has been identified</p>	Municipal Committee Sampla	<p>Yes, 100 % target achieved.</p> <p>31.12.2023</p> <p>31.01.2024</p>
		<ul style="list-style-type: none"> <li>MC will develop C &amp; D waste deposition sites.</li> <li>MC will install grinding machinery for grinding/ crushing of C &amp; D Waste to make C&amp; D Waste recyclable.</li> <li>MC will start sending the C&amp;D Waste for uses in paving block/ lower layer of road pavements, rural road etc.</li> </ul>	<p>Separate site for storage of C&amp;D waste has been identified</p>	Municipal Committee Kalanaur	<p>Yes, 100 % target achieved.</p> <p>31.12.2023</p> <p>31.01.2024</p>

## District Environment Plan [Rohtak]

		<ul style="list-style-type: none"> <li>MC will develop C &amp; D waste deposition sites.</li> <li>MC will install grinding machinery for grinding/ crushing of C &amp; D Waste to make C&amp; D Waste recyclable.</li> <li>MC will start sending the C&amp;D Waste for uses in paving block/ lower layer of road pavements, rural road etc.</li> </ul>	Separate site for storage of C&D waste has been identified	Municipal Committee Meham	Yes, 100 % target achieved. 31.12.2023  31.01.2024
4.	Usage of recycled C&D waste in non-structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	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.	<ul style="list-style-type: none"> <li>Yes, C&amp;D waste used along with soil filling in roads /Street construction work.</li> <li>No gap.</li> </ul>	Municipal Corporation, Rohtak.	Yes, 100% Target achieved
		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.	<ul style="list-style-type: none"> <li>Yes used in low lying area.</li> <li>No gap</li> </ul>	MC, Sampla	Yes, 100% Target achieved
		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.	<ul style="list-style-type: none"> <li>Yes used in low lying area.</li> <li>No gap</li> </ul>	Municipal Committee, Kalanaur	Yes, 100% Target achieved
		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.	<ul style="list-style-type: none"> <li>Yes used in low lying area.</li> <li>No gap</li> </ul>	Municipal Committee, Meham	Yes, 100% Target achieved
5.	ICE on C & D waste management	<ul style="list-style-type: none"> <li>Plan awareness and education</li> </ul>	<ul style="list-style-type: none"> <li>By Advertisement in Local News Papers.</li> <li>By Presentation in Schools &amp; Colleges and</li> </ul>	Municipal Corporation, Rohtak.	Regular activity.

## District Environment Plan [Rohtak]

			other institution.		
		<ul style="list-style-type: none"> <li>Plan awareness and education</li> </ul>	<ul style="list-style-type: none"> <li>By Advertisement in Local News Papers.</li> <li>By Presentation in Schools &amp; Colleges and other institution.</li> </ul>	Municipal Committee, Sampla	Regular activity.
		<ul style="list-style-type: none"> <li>Plan awareness and education</li> </ul>	<ul style="list-style-type: none"> <li>By Advertisement in Local News Papers.</li> <li>By Presentation in Schools &amp; Colleges and other institution.</li> </ul>	Municipal Committee, Kalanaur	Regular activity.
		<ul style="list-style-type: none"> <li>Plan awareness and education</li> </ul>	<ul style="list-style-type: none"> <li>By Advertisement in Local News Papers.</li> <li>By Presentation in Schools &amp; Colleges and other institution.</li> </ul>	ULB Municipal Committee, Meham,	Regular activity.

### (iv) Biomedical Waste Management

#### a. Current Status related to biomedical waste

In District Rohtak, there are 129 Number of bedded and 172 Number non-bedded Government and Private Health Care Facilities exists in District Rohtak, 55 Number Clinical labs in the District. M/s S.D. Bio Medical Waste Management Co. Vill-Baland, Distt. Rohtak (CBMWTF) is already established in District Rohtak which is treating and disposing the Bio Medical waste generated from the HCFs of District Rohtak.

Inventory of BMW in the District	Quantity
Total no. of Bedded Healthcare Facilities	129 Nos.
Total no. of non-bedded HCF	227 Nos.
No. of HCFs authorized by SPCBs/PCCs	311 Nos.
No of Common Biomedical Waste Treatment and Disposal Facilities(CBWTFs)	01 (One) (All the HCFs of District Rohtak have agreement with M/s S.D. Bio Medical Waste Management Co. Vill-Baland, Distt. Rohtak for scientific disposal of bio medical waste generated)
Capacity of CBWTFs	2400 Kg/day
No. of Deep burials for BMW if any	Nil Nos.
Quantity of bio medical waste generated per day	1734.6 Kg/day
Quantity of bio medical waste treated per day	[1734.6 Kg/day]

District Environment Plan [Rohtak]

b. Identification of gaps and Action plan:

S. No.	Action points	Gaps	Action Plan	Responsible agency	Timeline for completion of action plan
1.	Inventory and Identification of Healthcare Facilities	Inventorization & Identification of HCF has already been done in District Rohtak with having total 296 nos. HCF's are operational including bedded and non bedded facilities. Also there are total 112 no. of Veterinary hospitals/dispensaries available to cater out the health need of total approximate cattle population of District Rohtak. These Veterinary hospitals/dispensaries have not obtained necessary authorization under the provisions of BMW Rules, 2016.	Identification of :- <ul style="list-style-type: none"> <li>• Number of bedded and non-bedded Government and Private Health Care Facilities in the Districts</li> <li>• Number of Blood Banks, Clinical labs in the Districts</li> <li>• Veterinary Institution &amp; Animal Husbandry</li> <li>• List of Medical Institution Forensic Labs &amp; RD labs, etc.,</li> <li>• All the Veterinary hospitals/dispensaries shall be enforced to obtain necessary authorization under the provisions of BMW Rules, 2016.</li> </ul>	<ul style="list-style-type: none"> <li>• Health Department</li> <li>• HSPCB</li> <li>• Animal Husbandry and Dairying, Deptt.</li> </ul>	Regular activity
2.	Adequacy of facilities to treat biomedical waste	There is no Gap as existing Common facility <b>M/s S.D. Bio Medical Waste Management Co. Vill-Baland, Distt. Rohtak (CBWTF) already established in District Rohtak</b> is having adequate infrastructure and capacity for transportation ,treatment and disposal of Approx. 1736.4kg/day Bio Medical Waste is being generated from existing HCF's of Distt. Rohtak.	<ul style="list-style-type: none"> <li>• Phasing-out the use of chlorinated plastic bags.</li> <li>• To avoid deep burial and open littering of BMW.</li> </ul>	<ul style="list-style-type: none"> <li>• HSPCB</li> <li>• Deptt. Of Environment&amp; Climate Change, Govt. Of Haryana</li> <li>• Health Department</li> <li>• CBWTF</li> </ul>	Yes, 100% Target achieved
3.	Tracking of BMW	Bar coding system is implemented & adopted by HCFs partially i.e. by 230 No. of HCF out of total 311 existing and operational throughout the district. 35% gap.	<ul style="list-style-type: none"> <li>• Every HCF shall be enforced to adopt bar-coding system for the purpose of monitoring and tracking of BMW generated and its safe transportation and disposal to CBWTF.</li> <li>• Ensuring Bar</li> </ul>	<ul style="list-style-type: none"> <li>• HSPCB</li> <li>• HCF</li> <li>• CBWTF</li> </ul>	31.12.2023.

District Environment Plan [Rohtak]

			<p>Coding &amp; Segregation at Source system adopted for Yellow, red, White and Blue containers with quantification of waste.</p> <ul style="list-style-type: none"> <li>To verify the number of dedicated collection vehicles matching with the quantity of Bio Medical Waste quantity generation and duration of travel.</li> </ul>		
4.	Awareness and education of healthcare staff	Regular training and awareness programs are being and need to be conducted for healthcare staff dealing with Bio-Medical Waste in association with Health Department in existing HCF's.		<ul style="list-style-type: none"> <li>Health Department</li> <li>HSPCB</li> <li>Animal Husbandry and Dairying, Deptt.</li> </ul>	Regular activity.
5.	Adequacy of funds	Adequate funds have been allocated to Government health care facilities for bio- medical waste management by State Govt. 05 nos. HCFs which are not connected with such common treatment facilities via. Public sewer are directed install individual stand alone effluent treatment plant.		<ul style="list-style-type: none"> <li>Health Department</li> <li>Animal Husbandry and Dairying, Deptt.</li> </ul>	--
6.	Compliance to Rules by HCFs and CBWTFs	<ul style="list-style-type: none"> <li>To ensure that all the HCF existing and operating in the district should obtained prior Authorization under BMW Rules 2016 and Consent to Establish and Consent to Operate under Water (P &amp;CP)Act, 1974 and under Air (P&amp;CP) Act, 1981 as per the coverage of the HCF in consent</li> </ul>	<ul style="list-style-type: none"> <li>The random monthly mandatory inspections of the HCFs as allotted centrally by the Head office of HSPCB are being carried out.</li> <li>The quarterly inspection of the CBWTFs is being carried out regularly.</li> <li>To verify the operation of GPS in each of the dedicated vehicles and functioning of the tracking system in the respective CBWTFs</li> </ul>	<ul style="list-style-type: none"> <li>Health Department</li> <li>HSPCB</li> </ul>	<p>Survey of new hospitals for coverage under BMW Rules and consent management is being done regularly. Quarterly inspection of CBWTF is being done.</p> <p>Yes, 100 % target achieved.</p>

## District Environment Plan [Rohtak]

		<p>management policy of HSPCB.</p> <ul style="list-style-type: none"> <li>The service provider is using the dedicated collection vehicles equipped with GPS</li> <li>All the HCFs except Veterinary hospitals/dispensaries have obtained authorization under BMWM Rules.</li> </ul>	<p>portal</p> <ul style="list-style-type: none"> <li>All these 112 No. of Veterinary hospitals/dispensaries shall be enforcing to obtain necessary authorization under the provisions of BMWM Rules, 2016</li> </ul>		<ul style="list-style-type: none"> <li>31.12.2023.</li> </ul>
7.	District Level Monitoring Committee	<p>The State Level Advisory Committee has already been constituted in the State for implementation of BMWM Rules, 2016.</p>	<p>The District Level Monitoring Committee comprising Chief Medical Officer, RO, HSPCB Bahadurgrh, E.E Public Health, E.E Municipal Corporation, Rohtak, Representative of Indian Medical Association, Representative of common bio-medical waste treatment facility under the Chairmanship of Deputy Commissioner, Rohtak is working District Rohtak.</p>	<ul style="list-style-type: none"> <li>Deputy Commissioner</li> <li>Health Department</li> <li>HSPCB</li> <li>Animal Husbandry and Dairying, Deptt.</li> </ul>	<p>To Conduct meeting of the District Level Monitoring Committee in a fixed interval.</p>
8.	Wastewater treatment	<ul style="list-style-type: none"> <li>286 nos. of HCFs have implemented the segregation of liquid chemical waste at source and pre-treatment or neutralization by using 10% Sodium hypo Chlorite solution; prior to mixing with other effluent generated from health care facilities.</li> <li>The PHED within the Municipal Committee area is treating the domestic effluent alongwith disinfected bio medical waste effluent generated from various HCFs in there terminal treatment facility installed.</li> </ul>	<ul style="list-style-type: none"> <li>Pre-treatment of the laboratory waste, microbiological waste, blood samples and blood bags through disinfection or sterilization on-site in the manner as prescribed by WHO or NACO.</li> <li>All the bedded HCF which are generating waste bio medical effluent shall be enforcing to install Pre-treatment/ Neutralization facility and to obtain valid Public Sewer connection for Channelization and terminal treatment of domestic effluent generating from HCF.</li> </ul>	<ul style="list-style-type: none"> <li>HSPCB</li> <li>PHED</li> <li>HCF's</li> </ul>	<p>31.12.2023</p>

**(v) Hazardous Waste Management**

**a. Current Status related to Hazardous Waste Management**

District Rohtak is known for its wet blue to electroplating, pickling, refining of used oil, cleaning of used containers/barrels, lead recycler industrial units which generates the effluent carrying Hazardous Waste. Basically the Hazardous Waste mentioned at category 34.3 i.e. ETP sludge is mainly generated from these industries on account of the treatment of the industrial effluent in ETPs. Moreover Hazardous Waste mentioned at category 9.1 i.e. lead bearing residue is mainly generated from lead recycling industries.

There are total 294 no. of industries existing in District Rohtak and out of which 122 no. of industries are generating hazardous waste, hence having potential of generation of hazardous waste as listed under Schedule-I of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Further there is a potential of generation of approx. 2615.88 MT/Annum of hazardous waste from these industries.

The hazardous waste generated is scientifically treated and disposed as per the provisions of Hazardous and Other Wastes (M&TBM) Rule 2016 with having agreement either with Gujarat Environment Protection & Infrastructure Ltd. (**GEPIL**) which is a State level single facility as a Common Hazardous Waste Treatment and Disposal facility located at Village Pali, District Faridabad or through recycler of hazardous waste authorized by HSPCB and HSPCB is regularly monitoring the generation and disposal of hazardous Wastes by the way of conducting monthly mandatory inspections of these industries.

The detail of such Industries generating Hazardous waste and obtained consent to operate under Water Act 1974 and Air Act 1981 and authorization under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 from HSPCB is given as follows:-

<b>Categories</b>	<b>Numbers of Industries</b>
Red	74
Orange	44
Green	4
<b>Total</b>	<b>122</b>

Hence, all the units generating industrial effluent have provided their Effluent Treatment Plants and most of them have provided Wet Scrubber as Air Pollution Control Device with stacks which are the main sources of generation of the Hazardous Waste in the District.

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Details of Data Requirement	Present Status
No of Industries generating HW	[122Nos.]
Quantity of HW in the district	[2615.88MT/Annum]
(i)Quantity of Incinerable HW	[772.57MT/Annum]
(ii)Quantity of land-fillable HW	[1828.0815MT/Annum]
(iii)Quantity of Recyclable/ utilizable HW	[15.2285MT/Annum]
No of captive/common TSDF	Nil
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
1.	Regulation of industries and facilities generating Hazardous Waste	<ul style="list-style-type: none"> <li>All the 122 no. of industries which are generating hazardous waste have made agreement either with the CHWTSDF facility or with the authorized recycler/utilization/actual user facilities authorized by HSPCB operating throughout the State for transportation, treatment and disposal of hazardous and other waste generated.</li> <li>These industries are not filling annual returns regularly as per Form 3 &amp; Form 4 of HoWM Rules, 2016 with HSPCB.</li> <li>The random monthly mandatory inspections of the hazardous waste generating units as allotted centrally by the Head office of HSPCB need to be conducted.</li> </ul>	<ul style="list-style-type: none"> <li>Identification of Number of units generating hazardous waste in the District</li> <li>Safe storage and handling of hazardous waste generated</li> <li>Channelization and safe transportation of hazardous waste to the disposal facility/recycler</li> <li>Inventory of Common Hazardous Waste Treatment and Disposal facility and authorized recycler</li> <li>Enforcing the industries for filing of annual returns as per Form 3 &amp; Form 4 of HoWM Rules, 2016.</li> <li>To ensure that all the industries generating hazardous waste existing and operating in the district should obtain prior Authorization under HoWM Rules</li> </ul>	<ul style="list-style-type: none"> <li>HSPCB</li> <li>DIC</li> </ul>	<ul style="list-style-type: none"> <li>Regular activity</li> <li>Inspection w.r.t. compliance of Haz. Waste are being carried during mandatory inspections issued from HROCMMS.</li> <li>Regular activity</li> </ul>

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		<ul style="list-style-type: none"> <li>The hazardous waste generated in the District is need to be scientifically treated and disposed as per the provisions of Hazardous and Other Wastes (M&amp;TBM) Rule 2016 at ICHWTSDF.</li> </ul>	<p>2016 and Consent to Establish and Consent to Operate under Water (P &amp;CP)Act, 1974 and under Air (P&amp;CP) Act, 1981 as per the coverage of the industry in consent management policy of HSPCB.</p> <ul style="list-style-type: none"> <li>Execution of valid agreement with service provider for safe disposal of hazardous waste generated.</li> <li>Periodic Inspection of Units generating Hazardous waste.</li> </ul>		
2.	Establishment of collection centers	No such dedicated collection centre is available and required in the district as Haz. Waste is stored temporarily within the premises of unit generating itself in a separate leachate proof hazardous waste storage room. No gap.	No gap, as all the units which are generating hazardous waste and having agreement with common TSDF are in easy and direct approach of dedicated transporting vehicles of service provider and hence linked to Common TSDFs.	<ul style="list-style-type: none"> <li>HSPCB</li> <li>CHWTSD F</li> </ul>	Yes, 100% Target achieved.
3.	Training of workers involved in handling / recycling / disposal of HW	Training shall be conducted on regular basis.	Training programmes shall be conducted to train the workers on safety aspects who are working in facilities /Industries engaged in handling/ recycling/pre-processing of hazardous waste in association with Department of Industries as per provisions under HOWM Rules, 2016	<ul style="list-style-type: none"> <li>HSPCB</li> <li>DIC</li> </ul>	Regular activity
4.	Availability / Linkage with common TSDF or disposal facility	Agreement with common TSDF of all the units which are generating hazardous waste will be reviewed and units which are not having agreement with TSDF/Industries whose agreement has been expired will be forced to execute the	Agreement with common TSDF of all the units which are generating hazardous waste will be reviewed and units which are not having agreement with TSDF/Industries whose agreement has been expired will be forced to execute the	<ul style="list-style-type: none"> <li>HSPCB</li> <li>CHWTSD F</li> </ul>	31.12.2023

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		agreement. 5% gap.	agreement.		
		Units which are having agreement with common TSDF are in easy and direct access of dedicated transporting vehicles of service provider and hence linked to Common TSDFs. No gap.	No gap	<ul style="list-style-type: none"> <li>• HSPCB</li> <li>• CHWTSD F</li> </ul>	Target already achieved
5.	Contaminated Sites	No Contaminated Site present within the district. No gap.	No Gap	<ul style="list-style-type: none"> <li>• HSPCB</li> </ul>	No Timeline is required to be set.

### (vi) E-Waste Management

#### a. Current Status related to E-Waste Management:

In the district Rohtak, there are 02no. of E-Waste Dismantlers having capacity of 3MT/day, which have been authorized by the Board..

Details of Data Requirement	Present Status
Inventory of E-Waste in MT/year	3.01 MT/day
Collection centers established by ULBs in the District	[0 Nos]
Collection centers established by Producers or their PROs	NIL
No authorized E-Waste recyclers /Dismantler	[02 no of E-Waste Dismantlers, Nil of E-Waste Recyclers]

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

Sr. No.	Action points	Gaps in implementation	Action Plan	Responsible agency	Timeline for completion of action plan
1	Inventory/Generation of E-Waste/Bulk-waste generators	HSPCB and MC complete the inventory of E-waste generators in District Rohtak.	<ul style="list-style-type: none"> <li>• Inventorization of bulk waste generators shall be done with the help of local administration and Municipal Corporation, Rohtak.</li> <li>• Channelization of E-waste to registered recycler/dismantler/refurbisher available</li> </ul>	<ul style="list-style-type: none"> <li>• HSPCB</li> <li>• MC Rohtak</li> <li>• DDPO, Rohtak</li> <li>• BDPO Rohtak</li> </ul>	<ul style="list-style-type: none"> <li>• 31.12.2023</li> </ul>

## District Environment Plan [Rohtak]

			throughout the state for safe disposal and recovery of material after recycling.		
2	E-Waste collection points	<ul style="list-style-type: none"> <li>MC will establish waste collection point within MC area for facilitation of the Public for E-waste disposal.</li> </ul>		<ul style="list-style-type: none"> <li>MC Rohtak</li> </ul>	31.12.2023
		<ul style="list-style-type: none"> <li>MC will establish waste collection point within MC area for facilitation of the Public for E-waste disposal.</li> </ul>		<ul style="list-style-type: none"> <li>MC Sampla</li> </ul>	31.12.2023
		<ul style="list-style-type: none"> <li>MC will establish waste collection point within MC area for facilitation of the Public for E-waste disposal.</li> </ul>		<ul style="list-style-type: none"> <li>MC Kalanaur</li> </ul>	31.12.2023
		<ul style="list-style-type: none"> <li>MC will establish waste collection point within MC area for facilitation of the Public for E-waste disposal.</li> </ul>		<ul style="list-style-type: none"> <li>MC Meham</li> </ul>	31.12.2023
		There are 06 No. of Blocks while no E-waste collection centre has been established 100% gap.	The e-waste generated from the district needs to be collected and scientifically disposed off, so Urban Local Body is bound to provide collection centers for e-waste	<ul style="list-style-type: none"> <li>DDPO/ CEO, ZP</li> </ul>	31.01.2024
3	Linkage among Stakeholders to channelize E-Waste	<p>Inventerization of E-Waste, collection, Linkage among Stakeholders to channelize E-Waste</p> <p>100% gap.</p>	<ul style="list-style-type: none"> <li>To collect information about collection centers with the help of local administration, Municipal Corporation, Rohtak and Producers/PROs and further linkage with registered E-Waste recycler/dismantler /refurbisher for channelization of E-Waste.</li> </ul>	<ul style="list-style-type: none"> <li>MC Rohtak</li> <li>HSPCB</li> <li>DDPO/ CEO, ZP</li> </ul>	31.01.2024

## District Environment Plan [Rohtak]

		<ul style="list-style-type: none"> <li>• MCs will identify agency engaged in recycling/ dismantling/ processing of E-Waste.</li> <li>• MCs will make agreement with E-Waste processing facility.</li> <li>• MCs will collect E-Waste generated in MC area at E-Waste collection points and start sending E-Waste to processing facility.</li> <li>• 100% gap.</li> </ul>	The e-waste generated from the district needs to be collected and scientifically disposed off, so Urban Local Body is bound to provide collection centers for e-waste.	MC Rohtak	31.12.2023  31.01.2024  31.12.2023
		<ul style="list-style-type: none"> <li>• MCs will identify agency engaged in recycling/ dismantling/ processing of E-Waste.</li> <li>• MCs will make agreement with E-Waste processing facility.</li> <li>• MCs will collect E-Waste generated in MC area at E-Waste collection points and start sending E-Waste to processing facility.</li> <li>• 100% gap.</li> </ul>	The e-waste generated from the district needs to be collected and scientifically disposed off, so Urban Local Body is bound to provide collection centers for e-waste.	MC Sampla	31.12.2023  31.01.2024  31.12.2023
		<ul style="list-style-type: none"> <li>• MCs will identify agency engaged in recycling/ dismantling/ processing of E-Waste.</li> <li>• MCs will make agreement with E-Waste processing facility.</li> <li>• MCs will collect E-Waste generated in MC area at E-Waste collection points and start sending E-Waste to processing facility.</li> </ul>	The e-waste generated from the district needs to be collected and scientifically disposed off, so Urban Local Body is bound to provide collection centers for e-waste.	MC Kalanaur	31.12.2023  31.01.2024  31.12.2023

## District Environment Plan [Rohtak]

		<ul style="list-style-type: none"> <li>•100% gap.</li> </ul>			
		<ul style="list-style-type: none"> <li>• MCs will identify agency engaged in recycling/ dismantling/ processing of E-Waste.</li> <li>• MCs will make agreement with E-Waste processing facility.</li> <li>•MCs will collect E-Waste generated in MC area at E-Waste collection points and start sending E-Waste to processing facility.</li> <li>•100% gap.</li> </ul>	The e-waste generated from the district needs to be collected and scientifically disposed off, so Urban Local Body is bound to provide collection centers for e-waste.	MC Meham	<p>31.12.2023</p> <p>31.12.2023</p> <p>31.12.2023</p>
4	Regulation of Illegal E-Waste recycling / dismantling	No gap.	No Gap, however regular vigil is being taken for such activities.	<ul style="list-style-type: none"> <li>• MC Rohtak</li> <li>• HSPCB</li> <li>• DDPO/ CEO, ZP</li> </ul>	• Action completed.
5	Integration of informal sector	No gap.	Identification of group of informal sector viz. Rag Pickers, Electronic/Electrical Repair Shops involved in collection of E-Waste and channelization of the same in to main stream with the help of local administration and Municipal Corporation, Rohtak.	<ul style="list-style-type: none"> <li>• Rohtak</li> <li>• HSPCB</li> <li>• DDPO/ CEO, ZP</li> </ul>	• 31.12.2023
6	Awareness and Education	<ul style="list-style-type: none"> <li>• This office is organizing regular awareness programmes regarding collection and disposal of e-waste among stakeholders</li> <li>• No gap.</li> </ul>	<ul style="list-style-type: none"> <li>• Conducting of special workshops and awareness campaigns through Producers/PROs</li> <li>• Dissemination of information about collection centres established in the District website.</li> </ul>	<ul style="list-style-type: none"> <li>• HSPCB</li> <li>• MCRohtak</li> <li>• DIO, Rohtak</li> <li>• DDPO/ CEO, ZP</li> </ul>	• Regular activity

### 3.0 Air Quality Management

#### a. Current Status related to Air Quality Management:

There are total 493 No. of industries existing in District Rohtak and out of which 357 No. of industries

## District Environment Plan [Rohtak]

are emitting Air Pollutants which mainly includes the sugar mills, brick kilns, lead recycler, hot mix plant, electroplaters, pickling, used oil refiners, plywood etc. All the units had installed the Air Pollution Control Devices such as Multicyclone Separators, Wet Scrubbers, Electro Statics Precipitator and HSPCB is regularly monitoring the working of APCD by the way of conducting monthly mandatory inspections of these industries.

The detail of such Industries emitting air pollutants, having obtained consent to operate under Air Act 1981 from HSPCB is given as follows:-

Categories	Numbers of Industries
Red	116
Orange	344
Green	33
Total	493

Details of Data Requirement	Present Status												
Number of Automatic Air Quality monitoring stations (CAAQMS) in the district.	01												
- Operated by SPCB / State Govt / Central govt./ PSU agency:	01												
- Operated by Industry:	0												
Number of manual monitoring Stations operated by SPCBs	2												
Name of towns / cities which are failing to comply with national ambient air quality stations	Nil												
No of air pollution industries	493												
Prominent air polluting sources [Large Industry] / [Small Industry] / [Unpaved Roads] / [Burning of Waste Stubble] / [Brick Kiln] / [Industrial Estate] / [Others] (Multiple selection)	<p>In the District there are 05 industrial estates/area:-</p> <ol style="list-style-type: none"> <li>I. IDC</li> <li>II. I.E. Kutana</li> <li>III. IMT, Rohtak</li> <li>IV. Sampla Industrial Area</li> <li>V. Ismaila Industrial Area</li> </ol> <p>Moreover, the major air polluting sectors in the District are as under:-</p> <table border="1"> <thead> <tr> <th>Sector</th> <th>No. of Industries</th> </tr> </thead> <tbody> <tr> <td>Sugar Mill</td> <td>02</td> </tr> <tr> <td>Used oil refiners</td> <td>13</td> </tr> <tr> <td>Lead Recycler</td> <td>25</td> </tr> <tr> <td>Hot Mix Plant</td> <td>3</td> </tr> <tr> <td>Brick Kiln</td> <td>146</td> </tr> </tbody> </table> <p>As one of the major contributors of air pollution in the district is stubble burning in crop harvesting season especially Wheat harvesting season. In the district during the year 2022 special emphasis on making farmer aware about harmful effects of stubble on crops, soil health, human beings in long &amp; short term by organizing awareness camps, gram sabha at village, block &amp; district level was given. For the last two-year Govt. has promoted special implements on subsidy for</p>	Sector	No. of Industries	Sugar Mill	02	Used oil refiners	13	Lead Recycler	25	Hot Mix Plant	3	Brick Kiln	146
Sector	No. of Industries												
Sugar Mill	02												
Used oil refiners	13												
Lead Recycler	25												
Hot Mix Plant	3												
Brick Kiln	146												

District Environment Plan [Rohtak]

	preventing stubble burning through customer hiring centers. Farmers can purchase bailer, ray hake, DSR machine, super seeder, zero drill machine, mulcher, laser land leveler etc through department on subsidy
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**b. Identification of gaps and action plan:**

S. No.	Action points	Indicative Action Plan	Responsible agency	Timeline for completion of action plan
1.	Identification of prominent air polluting sources?	<ul style="list-style-type: none"> <li>Air polluting industries mainly includes the brick kilns, , thermal power plant, Dyeing, lead recycler, hot mix plant, electroplaters, used oil refiners, glass bottle, ceramic tiles, plywood etc. All the units had installed the Air Pollution Control Devices such as Multicyclone/ cyclone/Wet Scrubbers/ Separators. All of these industries have installed required APCD.</li> <li>No gap.</li> </ul>	HSPCB	No gap
2.	Ambient Air quality data?	<ul style="list-style-type: none"> <li>01 no. of CAAQMS and 02 nos. manual Ambient Air Quality Monitoring Station installed in District Rohtak and the real time data is being pushed to CPCB Central Server @ <a href="https://cpcb.nic.in">https://cpcb.nic.in</a> and the calculated AQI is also available in Public Domain @ <a href="http://hspcb.gov.in">hspcb.gov.in</a>. The average data of Ambient Air Quality for last 06 month is given below.</li> <li>No gap</li> </ul>	HSPCB	No gap

**Continuous Ambient Air Quality Monitoring Report**

Parameters/ Units	PM <sub>2.5</sub>	CO	NO	NO <sub>2</sub>	NO <sub>x</sub>	O <sub>3</sub>	SO <sub>2</sub>
Date	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Jan-23	108.36	1.19	13.08	53.56	36.04	15.47	11.12
Feb-23	91.82	0.83	16.23	61.54	44.53	16.38	9.85
Mar-23	91.01	0.50	11.27	43.54	32.18	27.15	11.19
Apr-23	108.41	0.24	17.45	62.89	44.19	37.71	20.35
May-23	121.12	0.42	13.17	43.24	29.48	47.68	31.76
Jun-23	90.42	0.36	11.42	50.21	32.29	42.65	15.79

### District Environment Plan [Rohtak]

3.	Setting up of Continuous Ambient Air Quality Monitoring Station	<p>Presently 01 no. CAAQMS has been installed at MDU, Rohtak and 02 no. manual AAQMS have been installed at (i) M/s A.V. Wires Pvt. Ltd. Jind Road, Vill-Titoli, Distt. Rohtak (ii) M/s Asian Paints Ltd. P. No. 1, Sector-30B, IMT, Rohtak. Further as per the recommendation of NGT Monitoring Committee the possibilities for installation of additional CAAQMS will be explored based upon technical study of eligible agency.</p> <p>HSPCB may setup additional continuous Ambient Air Quality Monitoring Stations in District Rohtak in consultation with Head Office.</p>	--	<p>Yes, 100 % target achieved.</p> <p>31.03.2024.</p>		
4.	District Level Action Plan for Air Pollution	<p>All the air polluting industries in the district have provided the air pollution control measures however the ambient air quality is consistently non confirming with the National Ambient Air Quality Standards The other factors identified and need eradication and improvement are as under :-</p> <ol style="list-style-type: none"> <li>1. Stubble burning is one of the major factor and for this the crop diversifications being adopted Mera Pani Meri Virasat Scheme under crop Diversification is ongoing scheme of 1500 acres area diversified from Paddy to Alternate crops under MPMV scheme.</li> <li>2. Awareness Among farmers for In-Situ and Ex-Situ management of stubble burning with use of CRM machinery.</li> <li>3. 640 training programs of farmers in Red and Yellow zone.</li> <li>4. No AFL reported in current year till today.</li> <li>5. 100 no. of village level camps, 04 no. of lock level camps and 01 no. district level camp already organized in Paddy growing villages.</li> <li>6. 50 No. of wall painting done for control of stubble burning.</li> <li>7. 50 Hoarding displayed at prominent places of distt. Rohtak.</li> <li>8. 02 no. Awareness ads per week through newspaper.</li> <li>9. 02 no. demonstration vans for awareness</li> <li>10. 25 no. of awareness campaigns were organized in various schools/ colleges.</li> </ol>	DDA, Agriculture, Rohtak	31.12.2023.		
<b>Detail of Implements provided under CRM scheme during last three years in Distt. Rohtak</b>						
Sr. No.	Implements	Individual 2019-20	Individual 2020-21	Individual 21-2022	Individual 22-2023	Total
1	Happy Seeder	3	-	1	-	4
2	M.B Plough	-	5	1	-	6
3	Mulcher	-	27	-	-	27
4	Chhoper	4	-	2	-	6
5	Rotary Shalser	-	-	-	-	-
6	Rotavator	34	-	-	-	34
7	Shurab Master	-	2	-	2	4
8	Super	3	5	6	3	17

District Environment Plan [Rohtak]

SMS						
9	Zero Drill	30	154	68	25	277
10	Super Seeder	-	320	344	101	765
11	Bailer Machine	-	1	1	2	4
12	Straw Rake	-	1	-	2	3

Custom Hiring Centre (CHC) Established during last 3 year in Distt. Rohtak		
Sr. No.	Year	No. Of CHC Established
1	2019-20	7
2	2020-21	13
3	2021-22	24
4.	2022-23	-
	Total	103

Subsidy Disbursed during last three years		
Sr. No.	Year	Subsidy in Rs.
1	2019-20	47553974
2	2020-21	84283590
3	2021-22	50390767
4	2022-23	11788620
	Total	194016951

		<ol style="list-style-type: none"> <li>Construction of Paved shoulders along the roads and improvement of existing quality of roads for dust containment.</li> <li>Challaning of over loaded transport vehicles.</li> <li>Ensuring the transport of construction material with proper covering.</li> <li>Ensuring the PUC certificate with the vehicles and challaning for the same.</li> <li>Find the way out for CNG station setup in the District.</li> <li>Ensuring the non plying of vehicles where in registration is expired and non renewable.</li> <li>Exploring the possibility of supplying cleaner fuel to the air polluting industrial cluster.</li> <li>Periodic Up-gradation of Air Pollution Control Devices (APCDs) installed in air polluting industries.</li> <li>Afforestation drives for industries/ Villages/MC areas/Industrial Area/institutions/parks/industrial estates/ road sides and river bank.</li> <li>Awareness activity among the public.</li> <li>Monitoring on vehicle fitness.</li> </ol> <p>Periodic calibration test of vehicular emission monitoring instrument.</p>	HSPCB, DSP, Traffic RTA MC Rohtak MC, Rohtak DFO Rohtak PWD Rohtak	31.12.2023
5.	Hotspots of air pollution in District	<p>The hotspots of air pollution in the area and measures to curb the same.</p> <ol style="list-style-type: none"> <li>Identification and Restriction of Industrial Waste burning in ID, IE Kutana, IMT Rohtak.</li> <li>Identification and Restriction on open burning of municipal solid waste, Biomass, plastic, horticulture waste, garbage etc.</li> <li>Identification and Curbing of stubble burning.</li> <li>Identification and Restriction on the use of illegal fuels in the Industries.</li> </ol>	<ul style="list-style-type: none"> <li>DFO, Rohtak</li> <li>DDA Agricultural, MC, Rohtak</li> <li>Estate Manager , HSIDC Rohtak</li> <li>HSPCB</li> </ul>	31.12.2023

### District Environment Plan [Rohtak]

6.	Awareness on Air Quality	The real time data generated by 01 no. of CAAQMS installed in District, Rohtak is being pushed to CPCB Central Server and hence the calculated AQI is available in Public Domain through CPCB Sameer App and HSPCB/CPCB Website. Further awareness campaign will be conducted in association with industrial associations, Educational Institutions and NGOs	HSPCB	Yes, 100% target achieved.
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## District Environment Plan [Rohtak]

### 4.0 Water Quality Management

Water quality management is a commonly used and somewhat vague expression referring to the (systematic) usage of a set of technical and non-technical measures and activities, to maintain or improve quality according to the requirements of water uses and to "protect" ecosystems.

#### 4.1 Water Quality Monitoring

Water quality monitoring is being done from 03 Location in Rohtak District for Ground Water on six monthly basis.

**Latest results of ground water quality are as below:**

Sr. No.	Point of Ground Water Samples	Date of collection	ph (5.5-9.0)	SS (mg/l) (100)	BOD mg/l (100)	COD (mg/l) (400)	Ammonical Nitrogen (as N) mg/l	Total Dissolved Solids (mg/l)	Fluoride (as F) mg/l
1.	Underground water sample of borewell of M/s Rohit Steel, HSIIDC, Kutana, Rohtak	20.06.2023	7.8	ND	ND	ND	ND	784	ND
2.	Handpump near water works of PHED, Delhi-Rohtak Road, Sampla, Distt. Rohtak	20.06.2023	7.7	ND	ND	ND	ND	768	ND
3.	Handpump near JLN Canal, Near Tilyar Lake at Rohtak	20.06.2023	8.0	ND	ND	ND	ND	632	ND

#### a. Current Status related to Water Quality Management

Details of Data Requirement	Present Status
Rivers	The district Rohtak does not falls in the direct catchment area of River Yamuna.
Length of Coastline(if any)	Nil
Nalas/Drains/Creeks meeting Rivers	There are 02 major drains which are being used for the disposal of domestic effluent generated in District Rohtak. These drains confluences in Najafgarh drain which ultimately reaches River Yamuna. 1. Drain No. 8 in Distt. Rohtak. 2. KCB drain in Distt. Rohtak.
Lakes/Ponds	Presently 162 no of Ponds available in Villages and 18 No. of ponds available in MC area.
Total Quantity of sewage from towns and cities in District	153 MLD / 4 Nos. Town Distt. Rohtak
Quantity of industrial waste water	9.85MLD

## District Environment Plan [Rohtak]

Percentage of untreated sewage	5%
Details of bore wells and number of permissions given for extra action of groundwater	--
Ground water polluted areas if any	--
Polluted river stretches if any	--

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

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Inventory of water bodies	<ul style="list-style-type: none"> <li>• Identification and inventORIZATION of water bodies already done in District Rohtak. Further water quality of such bodies is being monitored on monthly basis by respective agencies.</li> <li>• Irrigation department may provide web link mentioning the data w.r.t. inventory of water body in the District.</li> </ul>	<ul style="list-style-type: none"> <li>• HSPCB,</li> <li>• Irrigation,</li> <li>• Pond Authority,</li> <li>• CEO Zila Parishad,</li> <li>• MCP</li> <li>• Rohtak</li> <li>• PHED, Rohtak</li> </ul>	Regular activity
		18 nos. Ponds have been identified for rejuvenations in MC Rohtak.	<ul style="list-style-type: none"> <li>• MC Rohtak</li> </ul>	31.12.2023
		162 no of ponds are available in the villages and out of which 125 no of ponds are polluted and identified for rejuvenation and proposal is under process	<ul style="list-style-type: none"> <li>• DDPO/CEO ZP</li> </ul>	31.12.2023
2.	Quality of water bodies in the district	Dissemination of the information pertaining to water quality in the form of hoardings on river banks, official websites of district administration will be done.	<ul style="list-style-type: none"> <li>• Municipal Corporation Rohtak</li> <li>• Municipal Committee Sampla,</li> <li>• Municipal Committee Kalanour,</li> <li>• Municipal Committee Meham</li> <li>• DIO, Rohtak</li> </ul>	31.12.2023
3.	Hotspots	No such hotspot of water contamination has been identified, however the regular monitoring of water quality will be done by the concerned department.	<ul style="list-style-type: none"> <li>• Municipal Corporation Rohtak</li> <li>• Municipal Committee Sampla,</li> <li>• Municipal Committee Kalanour,</li> <li>• Municipal Committee</li> </ul>	Regular activity.

## District Environment Plan [Rohtak]

			<p>Meham</p> <ul style="list-style-type: none"> <li>• DIO, Rohtak</li> </ul>	
4.	<p>Protection of river/ lake water front</p> <p>a. Drains/ nallahs within Municipal limits (Responsibility of Municipality/ MC)</p> <p>b. Drains/nallahs outside Municipal limits (Responsibility of Rural development &amp; Panchayat department)</p>	<p>District Rohtak has already been declared free from open defecation. Further dumping of Solid waste on river banks shall be prohibited and ensured so that no such dumping happen and also existing dumping if any will be cleared. Also idol immersion in water bodies shall be monitored and prohibited during various festive seasons throughout the year.</p> <p>Further Prevention of entering of solid waste into water bodies shall be ensured throughout the District</p>	<ul style="list-style-type: none"> <li>• MCRohtak,</li> <li>• Irrigation Deptt, Rohtak</li> <li>• HSPCB</li> <li>• Police Deptt,</li> </ul>	Regular activity.
5.	Inventory of sources of water pollution	Sewage and wastewater discharge points into water bodies already stand identified and under action for tapping of such points.	<ul style="list-style-type: none"> <li>• Irrigation deptt., Rohtak</li> <li>• MCRohtak,</li> <li>• PHED, Rohtak</li> <li>• HSIIDC, Rohtak</li> <li>• XEN, Panchayati Raj</li> <li>• HSPCB</li> </ul>	31.12.2023
6.	Oilspill disaster management (for coastal districts)	Not applicable	NA	NA
7.	Protection of flood plains	As per Irrigation and Panchayat Department village Chuliana, Kheri Sampla, Ismaila, Gandhra are prone to flood. The strengthening of weak points has already been executed in the flood prone areas.	Irrigation Deptt, CEO, ZP, DDPO.	Action completed.
8.	Rejuvenation of groundwater	<ul style="list-style-type: none"> <li>• Inventorization for the Rain water harvesting will be carried out. Action plan for possible rain water harvesting system will be</li> </ul>	<ul style="list-style-type: none"> <li>• Irrigation Deptt.</li> <li>• MCRohtak</li> <li>• PHED,</li> <li>• HSVP Deptt,</li> <li>• HSIIDC,</li> </ul>	31.12.2023

## District Environment Plan [Rohtak]

		<p>executed.</p> <ul style="list-style-type: none"> <li>4 nos. of rain water harvesting system in MC Rohtak, 2 nos. of rain water harvesting system in MC Sampla, 1 nos. of rain water harvesting system in MC Kalanour and 1 nos. of rain water harvesting system in MC Meham, have already been installed. Moreover, other departments are also in process of installation of rain water harvesting system.</li> <li>Deputy Commissioner, Rohtak shall hold meeting with concerned departments and prepare a proposal/ scheme for Rejuvenation of the Ground water.</li> </ul>	<ul style="list-style-type: none"> <li>XEN, Panchayati Raj</li> <li>PWD Deptt. Rohtak</li> </ul>	31.12.2023
9.	Complaints redressal system	CM Grievances Redressal and Monitoring System, Haryana is available for lodging any public complaint. Moreover Social Media Grievance track (SMGT) is also working in the District. District Public Relation and Grievance Redressal Committee is also working on public grievances. Moreover, telephone numbers of all the officer of HSPCB and other concerned departments are provided in the public domain for direct complaint redressal of the public.	HSPCB and other concerned departments	Regular activity

## 4.2 Domestic Sewage

### a. Current status related to Domestic Sewage Management in the District

In District Rohtak, Haryana, total sewage generation is around 87MLD and there are 8 Sewage Treatment Plants at a total capacity of 105.5MLD are in operation at all Municipalities and Towns.

CPCB and HSPCB have periodically issued directions to the urban/ local bodies to setup Sewage Treatment Plants (STPs) of adequate capacity including provision for sewerage system to cover the entire local/urban areas and the treated effluent to comply with the standards in order to prevent deterioration of surface, sub-surface and coastal waters.

The treated sewage, after ensuring that the prescribed standards for core parameters are met are either used for irrigation or let into water bodies.

As per Hon<sup>ble</sup> NGT order dated 27.11.2018 in OA No.148/2018 directed that all the States and Union Territories ought to prepare and furnish their action plans for utilization of treated sewage is given below.

Details of Data Requirement	Present Status
No of Class-II towns and above	[3Nos]
No of Class-I towns and above	[1Nos]
No of Towns STPs installed	[04Nos] [Rohtak, Kalnaour, Sampla, Meham]
No of Towns needing STPs	[3Nos]
No of ULBs having partial underground Sewerage network	[04Nos]
No of towns not having sewerage network	[0]

## District Environment Plan [Rohtak]

Total Quantity of Sewage generated in District From Class II cities and above	[87MLD]
Quantity of treated sewage flowing into Rivers(directly or indirectly)	[87 MLD]
Quantity of untreated or partially treated sewage(directly or indirectly)	[14.35MLD]
Quantity of sewage flowing in to lakes	[00 MLD]
Total available Treatment Capacity	[105.5 MLD]

District Environment Plan [Rohtak]

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
1.	Sewage Treatment Plants (STPs)	<ul style="list-style-type: none"> <li>• 10 MLD STP at Sec-25, Rohtak installed by HSVP</li> </ul>	<ul style="list-style-type: none"> <li>• HSVP Rohtak</li> <li>• MC Rohtak</li> </ul>	<ul style="list-style-type: none"> <li>• Completed</li> </ul>
		<ul style="list-style-type: none"> <li>• 10 MLD STP at Singhpura, Rohtak by ULB* installed by PHED is non-complying w.r.t. the discharge standards.</li> <li>• The STP is under upgradation under AMRUT Yojna and 98% work has been completed.</li> </ul>	<ul style="list-style-type: none"> <li>• PHED Rohtak</li> <li>• MC Rohtak</li> </ul>	<ul style="list-style-type: none"> <li>• Completed</li> </ul>
		<ul style="list-style-type: none"> <li>• 19.5 MLD STP at PGI Rohtak installed by PHED is complying w.r.t. the discharge standards.</li> </ul>	<ul style="list-style-type: none"> <li>• PHED Rohtak</li> <li>• MC Rohtak</li> </ul>	<ul style="list-style-type: none"> <li>• Operational</li> </ul>
		<ul style="list-style-type: none"> <li>• 40 MLD STP at Sunaria, Rohtak installed by PHED is non-complying w.r.t. the discharge standards.</li> <li>• As per PHED the work has been allotted to agency vide EE, PHED Rohtak letter no. 3882-87 dt. 16.08.2021 on Design Build Own Operate (DBOO) basis which will commence from 20.08.2021.</li> </ul>	<ul style="list-style-type: none"> <li>• PHED Rohtak</li> <li>• MC Rohtak</li> </ul>	<ul style="list-style-type: none"> <li>• 31.12.2025</li> </ul>
		<ul style="list-style-type: none"> <li>• 14 MLD STP at Singhpura, Distt. Rohtak installed by PHED is complying w.r.t. the discharge standards.</li> </ul>	<ul style="list-style-type: none"> <li>• PHED Rohtak</li> <li>• MC Rohtak</li> </ul>	<ul style="list-style-type: none"> <li>• Operational</li> </ul>
		<ul style="list-style-type: none"> <li>• 3.5 MLD STP at Kalanour, Distt. Rohtak installed by PHED is non-complying w.r.t. the discharge standards.</li> <li>• No action plan is submitted by PHED regarding upgradation of the STP.</li> </ul>	<ul style="list-style-type: none"> <li>• PHED Rohtak</li> <li>• MC Kalanaur</li> </ul>	<ul style="list-style-type: none"> <li>• 31.08.2023</li> </ul>
		<ul style="list-style-type: none"> <li>• 5 MLD STP at Meham, Distt. Rohtak installed by PHED is non-complying w.r.t. the discharge standards.</li> <li>• No action plan is submitted by PHED regarding upgradation of the STP.</li> </ul>	<ul style="list-style-type: none"> <li>• PHED Rohtak</li> <li>• MC Meham</li> </ul>	<ul style="list-style-type: none"> <li>• 31.12.2023</li> </ul>
		<ul style="list-style-type: none"> <li>• 4 MLD STP at Sampla, Distt. Rohtak installed by PHED is non-complying w.r.t. the discharge standards.</li> </ul>	<ul style="list-style-type: none"> <li>• PHED Rohtak</li> <li>• MC Sampla</li> </ul>	<ul style="list-style-type: none"> <li>• 31.12.2023.</li> </ul>
		<ul style="list-style-type: none"> <li>• 12 MLD STP at Village- Garhi Bohar, Rohtak is under upgradation.</li> </ul>	<ul style="list-style-type: none"> <li>• MC Rohtak</li> </ul>	<ul style="list-style-type: none"> <li>• Completed</li> </ul>

## District Environment Plan [Rohtak]

		<ul style="list-style-type: none"> <li>• 15 MLD STP at Peer Bodhi, Village- Makdoli. Distt. Rohtak</li> </ul>	•	• 30.08.2023
		<ul style="list-style-type: none"> <li>• 10 MLD STP Kanheli, Village-Rohtak</li> </ul>	•	• Completed
2.	Underground sewerage network	<ul style="list-style-type: none"> <li>• MC, Rohtak and PHED has proposed 146KM of Sewage Line for 100% coverage of the Rohtak, out of which 130 KM have been completed.</li> <li>• 18% gap</li> </ul>	• MC, Rohtak and PHED Rohtak	• 31.03.2024.
		<ul style="list-style-type: none"> <li>• PHED Sampla has proposed 42 KM of Sewage Line for 100% coverage of the Sampla.</li> </ul>	• PHED Sampla	100% target already achieved.
		<ul style="list-style-type: none"> <li>• PHED Kalanour has proposed 52.6 KM of Sewage Line for 100% coverage of the Kalanour.</li> </ul>	• PHED Kalanour	100% target already achieved.
		<ul style="list-style-type: none"> <li>• PHED Meham has proposed 55 KM of Sewage Line for 100% coverage of the Meham, out of which 55 KM have been completed.</li> </ul>	• PHED Meham	100% target already achieved.

## 5.0 Industrial waste water management

### a. Current Status related to Industrial Waste water Management

There are total 496 no. of industries existing in District Rohtak and out of which 158 No. of industries are generating industrial waste water and engaged in process of sugar mills, brick kilns, lead recycler, hot mix plant, electroplaters, pickling, used oil refiners, plywood etc.etc. Further there is a potential of generation of approx. 14.2 MLD of waste water from these industries. The waste water generated is scientifically treated through Effluent Treatment Plants (ETPs) and ETP sludge is being disposed as per the provisions of Hazardous and Other Wastes (M&TBM) Rule 2016 with having agreement either with Gujarat Environment Protection & Infrastructure Ltd. (GEPIIL) which is a State level single facility as a Common Hazardous Waste Treatment and Disposal facility located at Village Pali, District Faridabad or through recycler of hazardous waste authorized by HSPCB and HSPCB is regularly monitoring the working of ETPs by the way of conducting monthly mandatory inspections of these industries.

In District Rohtak, Haryana, total industrial effluent generation is around 14.2 MLD and there are 01 Common Effluent Treatment Plants at a total capacity of 10 MLD is in operation in District Rohtak for the treatment of industrial effluent.

CPCB and HSPCB have periodically issued directions to the HSIIDC to setup 01 Common Effluent Treatment Plant of adequate capacity including provision for industrial effluent cover all the industrial areas and the treated effluent to comply with the standards in order to prevent deterioration of surface, sub-surface and coastal waters.

The treated effluent, after ensuring that the prescribed standards for core parameters are met are either used for irrigation or let into water bodies.

The detail of such Industries generating waste water and having obtained consent to operate under Water Act 1974 and Air Act 1981 and authorization under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 from HSPCB is given as follows:-

Number of Red, Orange, Green and White industries in the District	[116 Nos. of Red industries], [347 Nos of Orange industries],[ 33 Nos of Green industries],[Nil Nos of White industries]
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## District Environment Plan [Rohtak]

No of Industries discharging wastewater	[158 Nos.]
Total Quantity of industrial waste water generated	[14.2 MLD]
Quantity of treated industrial waste water discharged into Nalas/ Rivers	[9.8 MLD] [Remarks: Industries are recycling and reusing 4.4 MLD of the effluent after treatment]
Common Effluent Treatment Facilities	[02 Nos] (10 MLD and 3 MLD)
No of Industries meeting Standards	[ 154 Nos]
No of Industries not meeting discharge Standards	[04 Nos]

### Identification of gaps and action plan for industrial waste water:

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Compliance to discharge norms by Industries	4 no. industries not meeting the discharge standards have been closed and sealed. Further, monitoring of the industries will be conducted as per inspection policy of the Board and action will be taken as per provision of Water Act, 1974	HSPCB	Action completed.
2.	Installation of OCEMS	10No. of industries, 08 No. of STPs, 01 No. of CETP are required OCEMS as per CPCB guidelines and all have installed OCEMS and connected to server of HSPCB and CPCB. Moreover, the data of OCEMS is in the public domain through website <a href="http://www.hspcbcems.nic.in">www.hspcbcems.nic.in</a>	HSPCB	100% target already achieved.
3.	Complaint redressal system	CM Grievances Redressal and Monitoring System, Haryana is available for lodging any public complaint. Moreover Social Media Grievance track (SMGT) is also working in the District. District Public Relation and Grievance Redressal Committee is also working on public grievances.	HSPCB	Regular activity.

## 6.0 Mining Activity Management plan

### a. Current Status related to Mining Activity Management

Details of Data Requirement	Existing Mining operations
Type of Mining Activity	Presently no mining activity is being carried out in District Rohtak
No of licensed Mining operations in the District	Nil

## District Environment Plan [Rohtak]

% Area covered under mining in the District	Nil
Area of Sand Mining	Nil
Area of sand Mining	Nil

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

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Monitoring of Mining activity	<ul style="list-style-type: none"> <li>Presently no mining activity is being carried out in District Rohtak</li> </ul>	Mining Deptt.	NA
2.	Inventory of illegal mining if any mining	<ul style="list-style-type: none"> <li>Presently no mining activity is being carried out in District Rohtak</li> </ul>	Mining Deptt.	NA
3.	Environment compliance by Mining industry	Presently no mining activity is being carried out in District Rohtak.	MoEF & CC SEIAA, HSPCB Mining Deptt.	NA

## 7.0 Noise Pollution Management plan

### a. Current Status related to Noise Pollution Management

Environment Department, Government of Haryana vide order dated 5th September, 2003 vide no. S.O. 109/N.P. (R.and C.) R.2000/R.2/2003– “In exercise of the powers conferred by clause (c) of rule 2 of the Noise Pollution (Regulation and control) Rules, 2000, and all other powers enabling him in this behalf and in suppression of Haryana Government, Environment Department, Notification no. S.O. 75 / N.P. (R. and C) R 2000/R 2/2001, dated the 21st May 2001, the Governor of Haryana hereby designates Sub Divisional Magistrate, Deputy Superintendent of Police and Regional Officer, Haryana State Pollution Control board in their respective area of jurisdiction as shown below to be authorities for the purpose of said clause

1. Sub – Divisional Magistrate - Residential Area and religious places.
2. Deputy Superintendent of Police - Noise by automobiles
3. Regional Officer, Haryana State Pollution Control Board - Noise by Industrial units

Details of Data Requirement	Measurable Outcome
No. of noise measuring devices available with various agencies in district	01 No. HSPCB,

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

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Availability of Sound/Noise	<ul style="list-style-type: none"> <li>There is only 01 noise monitoring kit available in the district with HSPCB.</li> </ul>	DSP Traffic,	31.12.2023

## District Environment Plan [Rohtak]

	Level Meters.	<p>Further no such monitoring kits are available with other agencies such as ULBs, SHOs, Traffic police. Further, the procurement of monitoring kits shall be made to the above said lacking agencies within defined time frame by respective local district administration and procurement 01 more noise meter by HSPCB.</p> <ul style="list-style-type: none"> <li>• Department of Police procure adequate no. of Noise level meter.</li> <li>• HSPCB will monitor Ambient Noise Level in silence Zone, Sensitive zone of the district twice in Year.</li> </ul>	SDM, HSPCB	<p>31.12.2023</p> <p>Regular activity.</p>
2.	Ambient Noise, Level monitoring.	<p>Possibilities of installation of ambient noise level monitoring stations will be explored. Portable analyzers will be provided with the enforcement agencies.</p> <p>The special drives for ensuring the ambient quality standards will be carried out in the residential, sensitive zones. Moreover, HSPCB also conducting the ambient air noise monitoring during festive seasons.</p>	DSP Traffic, SDM, HSPCB	Manual Noise monitoring is being done at Noise Zones, residential areas, sensitive zones.
3.	Signboards in Noise zones	MCs, PWD, NHAI should install the proper signages to earmarked the silence zone, no horn zone and noise limits in the city.	MC Rohtak MC Rohtak, PWD, NHAI,	Action completed.
4.	Complaint redressing system	CM Grievances Redressal and Monitoring System, Haryana is available for lodging any public complaint. Moreover Social Media Grievance track (SMGT) is also working in the District. District Public Relation and Grievance Redressal Committee is also working on public grievances.	DSP Traffic, SDM, HSPCB	Regular activity.

### Other Environmental Issues:

#### a) Management of Solid Waste and Liquid Waste generated from unauthorized colonies /residential complexes/commercial complexes developed by private builders.

- All the unauthorized colonies /residential complexes/commercial complexes developed by private builders are in MC limits and MC has submitted proposal of the solid waste and liquid waste generated from all 67 nos. wards in the respective head of environmental plan along with time lines.

#### b) Management of Carcasses in the rural area:

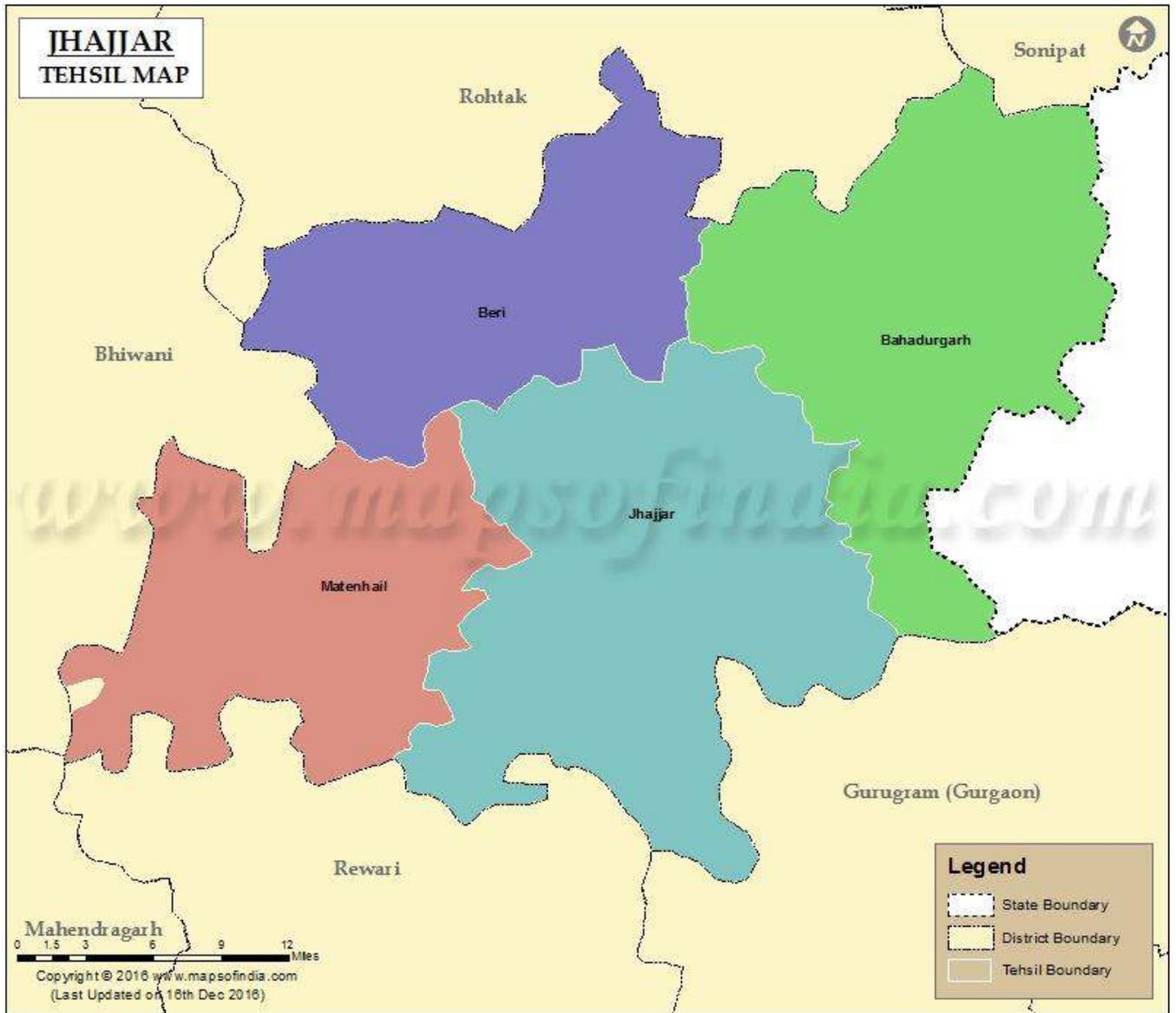
- Presently Deep Burial Method is being adopted in the Village panchayats and in MC Area for disposal of the dead animals in district Rohtak and 01 slaughter house exists in the jurisdiction of District Rohak.

#### c) Management of solid and liquid waste generated by the poultry farms of the district:

Presently 83 no of poultry farms existing in the District Rohtak.

- 1 no of poultry farm is having bird capacity more than 1 lac birds and obtained CTO from the Board.
- 82 no of poultry farm is having bird capacity less than 1 lac birds and does not requires CTO from the Board.
- inventorization of the data w.r.t capacity of poultry farm, quantity of solid waste and waste water generated by these poultry farm will be completed by 31.12.2023 and action plan for the scientific disposal of the solid waste and waste water generated by these poultry farm will be prepared and implemented by 31.12.2023.

# District Environment Plan for -District Jhajjar Haryana State





**Office of District Administration, Deputy Commissioner, Jhajjar**

**Office: Mini Secretariat, Jhajjar**

**E-Mail: [dcjjrcr@gmail.com](mailto:dcjjrcr@gmail.com)**

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## 1.0 District Profile

**Jhajjar district** is one of the 22 [districts of Haryana state](#) in northern India. Carved out of [Rohtak district](#) on 15 July 1997 and with its headquarters in [Jhajjar](#), it lies 29 kilometres from [Delhi](#) and had developed into an important industrial center. Other towns in the district are [Bahadurgarh](#) and Badli and Beri. [Bahadurgarh](#) is the major city of the district & state. [Bahadurgarh](#) is known as 'The City of Destiny'. Beri used to be a [village](#) fifty years ago.

The district occupies an area of 1,834 square kilometres (708 sq mi). It has two industrial areas with over 3300 industries. Basic industries are [ceramics](#), glass, chemicals, engineering, electrical and electronics. [Bahadurgarh](#) is the major Industrial area of the district with over 2800 medium size industries and 200 large-scale industries. There are 3300 units representing a total investment of Rs. 40000 million. Major crops grown here are [rice](#), [wheat](#) and [maize](#). The total irrigated agricultural land area is about 670 square kilometres (260 sq mi).

Jhajjar is said to have been founded by Chhaju Jaat as Chhajunagar, which was later changed to Jhajjar. Alternatively, it may be derived from Jharnaghar, meaning a natural fountain or Jhajjar, a water vessel, because the surface drainage of the country for miles around runs into the town as into a sink. [Bahadurgarh](#), founded by Rathee [Jats](#), was formerly known as Sharafabad.

Average annual rainfall in Jhajjar city is 597 mm. Jhajjar's climate shows extreme variation in temperature. It does not usually fall below freezing point in the winter months from November to February. In summer from April to June, the day temperature generally remains between 30 °C and 42 °C. The highest temperature ever recorded in Jhajjar city was 48.0 °C while the lowest recorded temperature is -1.0 °C. About 71 percent of the annual normal rainfall is received during the short south-west monsoon period, July to September, July and August being the rainiest months.

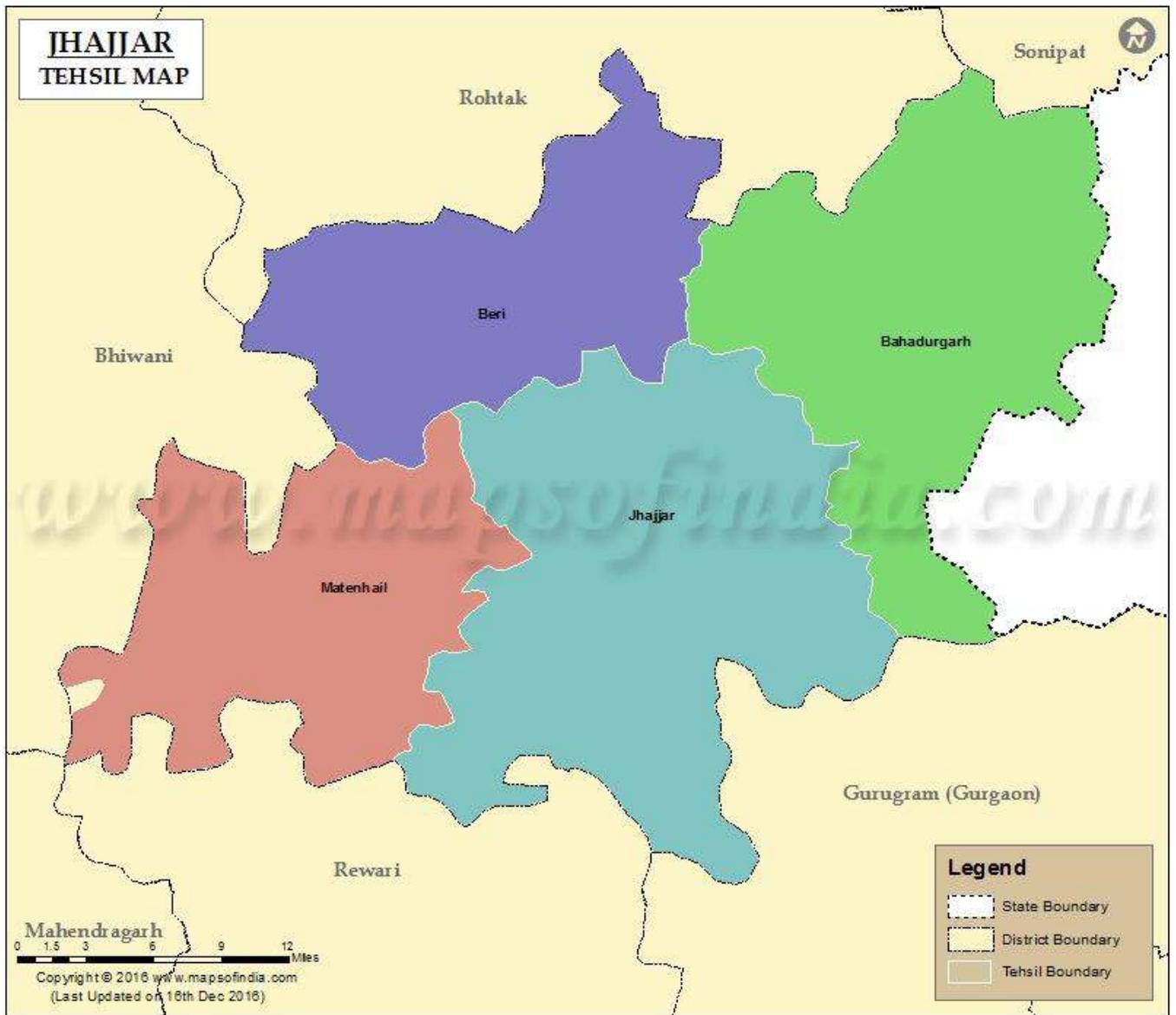
At the time of the [2011 Census of India](#), 98.94% of the population in the district spoke [Hindi](#) and 0.40% [Punjabi](#) as their first language.

### a. District Administrative Set-up

As of the [2011 census](#) Jhajjar district had a [population](#) of 958,405. This gives it a ranking of 456th in India (out of a total of [640](#)). The district has a population density of 522 inhabitants per square kilometre (1,350/sq mi). Jhajjar has a [sex ratio](#) of 782 [females](#) for every 1000 males, and a [literacy rate](#) of 80.8%.

The district lies in Rohtak Division having 05 no. of Tehsils namely Jhajjar, Bahadurgarh, Badli, Beri, Matanhail. The 06 no. of Community Development Blocks, namely, Jhajjar, Bahadurgarh, Badli, Beri, Matanhail and Salhawas have been set up for the development of rural area. The District

Assembly Constituencies	Sub-Division	Tehsil	Blocks	No of Villages Tehsil Wise	Municipalities Panchayats
04	04	04	06	Total – 264 Jhajjar-82 Bahadurgarh-46 Badli-45 Matanhail-53 Beri-38	Council-2 Committees- 1  Panchayats- 250



**b. Local institutions**

Sr. No.	Urban Local bodies/Village Panchayats	No of Wards	No of Households	Population
1	Municipal Council Bahadurgarh	31	66674	1,70,767
2	Municipal Council Jhajjar	19	10374	48550
3	Municipal Committee Beri	13	4268	15,334
4	Gram Panchayats (250 Nos.)	802	136503	715066

**c. Natural Resources**

- **Water bodies**

The district forms a part of Indo gangetic plain and lies in indirect Yamuna Sub basin of main Ganga basin. The district is also drained by the artificial drain named as 'Mungeshpur drain' which originates in Mandora village in Sonapat and flows into Jhajjar district from village Nizampur. The district has two types of soils viz-tropical arid brown and arid brown soils (solemnized). The arid brown soils are found in major parts of the district whereas tropical arid brown soils are found in north western part of the district especially in parts of Beri and Matanhail blocks.

- **Availability of water resources**

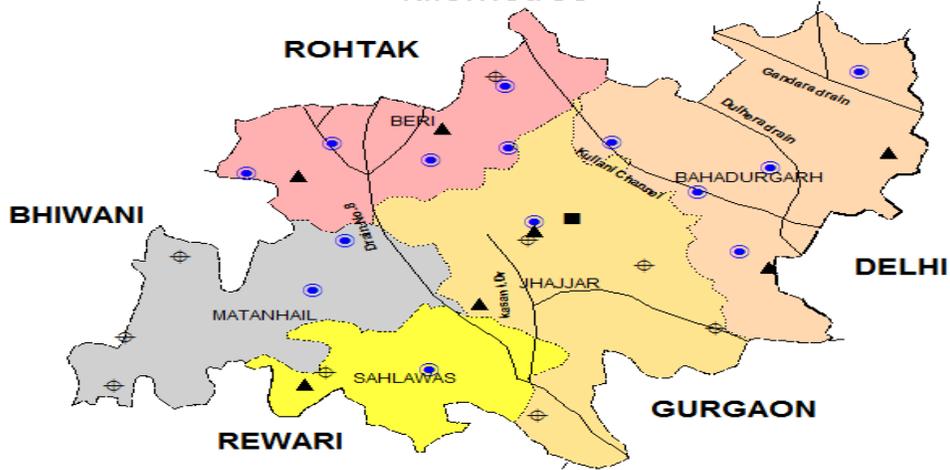
The Pai and Dulhera Distributaries, Jhajjar sub minor is the major source of canal irrigation. The Pai and Dulhera Distributaries passes through the central part of the district covering part of Bahadurgarh and Jhajjar blocks. Out of 1,14,000 ha net irrigated area, 56,000 ha is irrigated by canal and 58,000 ha is irrigated by ground water. About 62.43% of the irrigation is based on ground water resources. The gross irrigated area has been worked out as 1,94,000 hectares.

# INDEX MAP

## JHAJJAR DISTRICT, HARYANA



0 15 30  
kilometres



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| ▲ | PIEZOMETER            | -----       | DISTRICT BOUNDARY |
| ⊕ | EXPLORATORY WELL      | .....       | BLOCK BOUNDARY    |
| ■ | DISTRICT HEAD QUARTER |             |                   |

▪ **Forest coverage**

The Total Geographical area of 183400 Hectare in District Jhajjar. Jhajjar is a historical city known for its historical monuments. The Division divided in Two Ranges i.e. Bahadurgarh and Jhajjar which is further divided into 06 Block. Approximately 4100 Hectares of land is under the control of Forest Department which constitutes 2.23% Forest Area of Geographical area in District. Most of the Forest Area in the form of strips except the Forest under section 38.

**d. Geography & Demography**

Jhajjar is located at [28.62°N 76.65°E](#). It has an average elevation of 220 metres (720 feet).It is located in the central part of Haryana. It is surrounded by Rohtak in North, district Rewari in south, district Bhiwani in East and Delhi & Gurugram district in the West. The geographical area of the district is 1,834 km<sup>2</sup> km2. which is 5.7% of the state share. Out of the total geographical area of the district, 63% is under cultivation. The main crops are [wheat](#), [gram](#), [sugarcane](#), [mustard](#) and [bajra](#). There is no perennial river in the district. However, the district has many canals.

**e. Land-usepattern**

<b>Land Use Pattern of the District</b>	<b>Area (In hectare)</b>
<b>Total Geographical area</b>	<b>183400</b>
<b>Forest Area</b>	<b>4100</b>
<b>Land under agriculture use (cultivable land)</b>	<b>176000</b>
<b>Land under non-agriculture use</b>	<b>3300</b>

**f. Climate**

The climate of Jhajjar district is very hot in summer and very cold during winters. The coldest month is January and the hottest is June. Temperature ranges from -0.5 to 48 degree Celsius. Annual rain fall is around 550 mm. Most of the annual rainfall about 80% occurs between July and September. The remaining months are almost dry except January. The main crops are paddy, maize, wheat, gram and sugarcane. Occasionally receives light showers of winter rains. Topography of the district is plain and loamy.

**2.0 Indicative Gap Analysis and Action Plans for complying with Waste Mgt. Rules.**

**(i) Solid Waste Management**

In District Jhajjar, there are 02 Municipal Council, 01 No. Municipal Committee and 250 No. of Village Panchayats presently from where the solid waste is generated. The waste generated from the MC areas is being collected and sent to the integrated Solid Waste Management site at Village Sunariya, District Rohtak. The wet solid waste is either composted or micro composted. The plastic waste is collected and partly used for recycling and partly in road laying and the inert material is disposed in the landfill sites.

As per Hon'ble NGT order dated 15.07.2019 in O.A. No.710-713/2017, the detailed guidelines to be followed in respect of Solid Waste Management Rules, 2016 are illustrated below:

Sr. No.	Urban Local bodies	No of Wards	No of Households	Population	Solid Waste Generated per day
1	Municipal corporations (Nagar Nigam or Mahanagar Palika)	-	-	-	-
2	Municipalities				
	Municipal Council Jhajjar	19	10374	48550	26 TPD
	Municipal Council Bahadurgarh	31	66674	1,70,767	85 TPD
	Municipal Committee Beri	13	4268	15,334	9 TPD
3	Nagar panchayats (Town area Councils)	There is no nagar panchayat in Jhajjar			

**a. Current status related to solid Waste management**

Sr.No.	Local Bodies	No of Village panchayats /Blocks	No of Households	Population	Solid Waste Generated Ton per day
2	Block /Taluk / Mandal Tehsils	6	92382	3,34,934	120
3	Village/Gram Panchayats	250	136503	7,15,066	160

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

Sr. No.	Action points For villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan
1.	Segregation				

District Environment Plan [Jhajjar District]

(i)	Segregation of waste at source	Yes, Segregation is being done at source. No gap	Target already achieved	MC Jhajjar	• Yes 100%, Target Achieved
		Yes, Segregation is being done at source and 90% target has been achieved. 10% gap.		MC Bahadurgarh	• 31.07.2023.
		Yes, Segregation is being done at source and 90% target has been achieved. 10% gap.		MC Beri	• 31.07.2023
		Segregation is being done in 15 villages out of 250 90% gap.	Plan for segregation is under process Gap=235 villages	CEO, ZP	• 31.07.2023
<b>Sweeping</b>					
(i)	Manual Sweeping	<ul style="list-style-type: none"> <li>• Yes, Manual Sweeping done on regular basis once in residential areas and twice times in commercial areas.</li> <li>• There is no Gap in Manual Sweeping.</li> <li>• Approx. 50 Kms. length of road is being cleaned by manual sweeping.</li> <li>• 100 % Target Achieved.</li> </ul>	Action plan for reducing gap including method cleaning, frequency of sweeping etc. Manual Sweeping is being conducted through outsourcing agency	MC Jhajjar	• 100 % Target Achieved.
		<ul style="list-style-type: none"> <li>• Yes, Manual</li> </ul>	Manual Sweeping	MC Bahadurgarh	• 100 % Target

		<p>Sweeping done on regular basis once in residential areas and twice times in commercial areas.</p> <ul style="list-style-type: none"> <li>• There is no Gap in Manual Sweeping.</li> <li>• Approx. 70 Kms. length of road is being cleaned by manual sweeping.</li> <li>• 100 % Target Achieved.</li> </ul>	<p>is being conducted through outsourcing agency</p>	h	<p>Achieved.</p>
		<ul style="list-style-type: none"> <li>• Yes, Manual Sweeping done on regular basis once in residential areas and twice times in commercial areas.</li> <li>• There is no Gap in Manual Sweeping.</li> <li>• Approx. 12 Kms. length of road is being cleaned by manual sweeping.                             <ul style="list-style-type: none"> <li>• 100 % Target Achieved.</li> </ul> </li> </ul>	<p>Manual Sweeping is being conducted through outsourcing agency</p>	MC Beri	<ul style="list-style-type: none"> <li>• 100 % Target Achieved.</li> </ul>

S. No.	Action points For villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan	Current Status
(ii)	Mechanical Road Sweeping & Collection	<ul style="list-style-type: none"> <li>• Zero Gap , Mechanical Sweeping initiated and in Operation Mechanical Sweeping of Large Roads Initiated in city by Truck Mounted machine.</li> <li>• Approx. 25 Kms. length of Large Roads is being cleaned by Truck Mounted mechanized machine.</li> </ul>	No gap	MC Jhajjar	<ul style="list-style-type: none"> <li>• 100 % Target Achieved.</li> </ul>	<p>Night Sweeping by mechanize sweeping in commercial area &amp; main roads of the city.</p> <p>Sweeping machine operated by outsources agency.</p>
		<ul style="list-style-type: none"> <li>• Zero Gap , Mechanical Sweeping initiated and in Operation Mechanical Sweeping of Large Roads Initiated in city by Truck Mounted machine.</li> <li>• Approx. 25 Kms. length of Large Roads is being cleaned by Truck Mounted mechanized machine.</li> </ul>	No gap	MC Bahadurgarh	<ul style="list-style-type: none"> <li>• 100 % Target Achieved.</li> </ul>	<p>Night Sweeping by mechanize sweeping in commercial area &amp; main roads of the city.</p> <p>Sweeping machine operated by outsources agency.</p>

		<ul style="list-style-type: none"> <li>Manually Sweeping done in all wards &amp; All Roads</li> <li>Process for Mechanical sweeping is Initiated.</li> </ul>	Process for Mechanical sweeping is Initiated	MC Beri	31.07.2023	New Timeline be given for mechanized sweeping.
<b>2</b>	<b>Waste Collection</b>					
(i)	100% collection of solid waste	<ul style="list-style-type: none"> <li>Yes, 100 % Solid Waste collection, Segregation and transportation to Processing Site Initiated, Private Contractor (Pooja Consultation) is Hired for the same operation.</li> <li>No gap is assessed.</li> <li>Target already achieved</li> </ul>	No gap	MC Jhajjar	<ul style="list-style-type: none"> <li>Yes, 100 %, Target already achieved</li> </ul>	<ul style="list-style-type: none"> <li>No fresh waste is being dumped at MSW site.</li> </ul>
		<ul style="list-style-type: none"> <li>Yes, 100 % Solid Waste collection, Segregation and transportation to Processing Site Initiated, Private Contractor (Pooja Consultation) is Hired for the same operation.</li> <li>No gap is assessed.</li> <li>Target already achieved</li> </ul>	No gap	MC Bahadurgarh	<ul style="list-style-type: none"> <li>Yes, 100 %, Target already achieved</li> </ul>	<ul style="list-style-type: none"> <li>No fresh waste is being dumped at MSW site.</li> </ul>
		<ul style="list-style-type: none"> <li>Yes, 100 % Solid Waste collection, Segregation and transportation to Processing Site Initiated by private contractor (Balwan &amp; Company)</li> </ul>	No gap	MC Beri	<ul style="list-style-type: none"> <li>Yes, 100 %, Target already achieved</li> </ul>	<ul style="list-style-type: none"> <li>No fresh waste is being dumped at MSW site.</li> </ul>

District Environment Plan [Jhajjar District]

		<ul style="list-style-type: none"> <li>No gap is assessed.</li> <li>Target already achieved</li> </ul>				
(ii)	Arrangement for door to door collection	<ul style="list-style-type: none"> <li>Yes, Private Agency is Hired for waste Collection from Door to Door</li> <li>Yes , 100 % Collection Target Achieved in 19 Wards</li> <li>No Gap is assessed.</li> <li>Target already achieved.</li> </ul>	If there is gap, action plan for door to door collection across the district	MC Jhajjar	<ul style="list-style-type: none"> <li>Yes, 100 %, Target already achieved.</li> </ul>	<ul style="list-style-type: none"> <li>No fresh waste is being dumped at MSW site.</li> </ul>
		<ul style="list-style-type: none"> <li>100% door to door collection done by M/S Pooja Consultation</li> <li>No Gap is assessed.</li> <li>Target already achieved</li> </ul>		MC Bahadurgarh	<ul style="list-style-type: none"> <li>Yes, 100 %, Target already achieved.</li> </ul>	<ul style="list-style-type: none"> <li>No fresh waste is being dumped at MSW site.</li> </ul>
		<ul style="list-style-type: none"> <li>Yes, 100 %, Target already achieved</li> </ul>		MC Beri	<ul style="list-style-type: none"> <li>Yes, 100 %, Target already achieved.</li> </ul>	<ul style="list-style-type: none"> <li>No fresh waste is being dumped at MSW site.</li> </ul>
(iii)	Waste Collection trolleys with separate compartments	<ul style="list-style-type: none"> <li>Yes, 8 Nos waste collection trolleys are arranged with separate compartment for solid waste collection from door to door</li> <li>Yes , 100% availability and adequacy , till date no need of up gradation</li> <li>Target already</li> </ul>		MC Jhajjar	<ul style="list-style-type: none"> <li>Yes, 100 %, Target already achieved</li> </ul>	<ul style="list-style-type: none"> <li>Door to Door collection is being done by GPS enabled vehicles.</li> </ul>

		achieved				
		<ul style="list-style-type: none"> <li>• Yes, 16 Nos waste collection trolleys are arranged with separate compartment for solid waste collection from door to door</li> <li>• Yes , 100% availability and adequacy , till date no need of up gradation</li> <li>• Target already achieved</li> </ul>		MC Bahadurgarh	<ul style="list-style-type: none"> <li>• Yes, 100 %, Target already achieved</li> </ul>	<ul style="list-style-type: none"> <li>• Door to Door collection is being done by GPS enabled vehicles.</li> </ul>
		<ul style="list-style-type: none"> <li>• Yes, 3 Nos waste collection trolleys are arranged with separate compartments for solid waste collection from door to door</li> <li>• Yes , 100% availability and adequacy , till date no need of up gradation</li> <li>• Target already achieved</li> </ul>		MC Beri	<ul style="list-style-type: none"> <li>• Yes, 100 %, Target already achieved</li> </ul>	<ul style="list-style-type: none"> <li>• Door to Door collection is being done by GPS enabled vehicles.</li> </ul>
(iv)	Mini Collection Trucks with separate compartments	<ul style="list-style-type: none"> <li>• Yes, 2 waste collection trolleys are arranged with separate compartments for solid waste collection from door to door&amp; Secondary</li> </ul>		MC Jhajjar	<ul style="list-style-type: none"> <li>• Yes, 100 %, Target already achieved</li> </ul>	<ul style="list-style-type: none"> <li>• Door to Door collection is being done by GPS enabled secondary collection vehicles.</li> </ul>

		<p>Collection Points.</p> <ul style="list-style-type: none"> <li>• Yes , 100% availability and adequacy , till date no need of up gradation</li> <li>• Target already achieved</li> </ul>				
		<ul style="list-style-type: none"> <li>• Yes, 5 waste collection trolleys are arranged with separate compartments for solid waste collection from door to door&amp; Secondary Collection Points.</li> <li>• Yes , 100% availability and adequacy , till date no need of up gradation</li> <li>• Target already achieved</li> </ul>		MC Bahadurgarh	<ul style="list-style-type: none"> <li>• Yes, 100 %, Target already achieved</li> </ul>	<ul style="list-style-type: none"> <li>• Door to Door collection is being done by GPS enabled secondary collection vehicles.</li> </ul>
		<ul style="list-style-type: none"> <li>• Yes MC Beri have 03 Nos. of small vehicles with compartments.</li> <li>• Yes , 100% availability and adequacy , till date no need of up gradation</li> <li>• Target already achieved</li> </ul>		MC Beri	<ul style="list-style-type: none"> <li>• Yes, 100 %, Target already achieved</li> </ul>	<ul style="list-style-type: none"> <li>• Door to Door collection is being done by GPS enabled secondary collection vehicles.</li> </ul>
(v)	Waste Deposition centres (for domestic hazardous wastes)	<ul style="list-style-type: none"> <li>• Yes, Partition done for Domestic Hazardous waste in Material Recovery Facility</li> </ul>		MC Jhajjar	<ul style="list-style-type: none"> <li>• Yes, 100 %, Target already achieved</li> </ul>	<ul style="list-style-type: none"> <li>• MoU signed with approved agency for disposal of Hazardous</li> </ul>

		<p>MoU signed with Approved Agencies SD Bio Medical Waste management Company Baland Rohtak (from CPCB/HSPCB) for final disposal of HW.</p> <ul style="list-style-type: none"> <li>• Target already achieved</li> </ul>				waste from material recovery facility.
		<ul style="list-style-type: none"> <li>• Yes, Partition done for Domestic Hazardous waste in Material Recovery Facility MoU signed with Approved Agencies SD Bio Medical Waste management Company Baland Rohtak (from CPCB/HSPCB) for final disposal of HW.</li> <li>• Target already achieved</li> </ul>		MC Bahadurgarh	<ul style="list-style-type: none"> <li>• Yes, 100 %, Target already achieved</li> </ul>	<ul style="list-style-type: none"> <li>• MoU signed with approved agency for disposal of Hazardous waste from material recovery facility.</li> </ul>
		<ul style="list-style-type: none"> <li>• Yes, Partition done for Domestic Hazardous waste in Material Recovery Facility MoU signed with Approved Agencies SD Bio Medical Waste management Company Baland Rohtak (from CPCB/HSPCB) for</li> </ul>		MC Beri	<ul style="list-style-type: none"> <li>• Yes, 100 %, Target already achieved</li> </ul>	<ul style="list-style-type: none"> <li>• MoU signed with approved agency for disposal of Hazardous waste from material recovery facility.</li> </ul>

		<p>final disposal of HW.</p> <ul style="list-style-type: none"> <li>• Target already achieved</li> </ul>				
4.	<b>Waste Transport</b>					
(i)	Review existing infrastructure re for waste Transport.	<ul style="list-style-type: none"> <li>• 35 Nos Waste Collection trolleys ( Rickshaws), 8 Nos Mini Tractor trolley, 3 Tractor Trolleys are available for the transportation of waste</li> <li>• No shortcoming</li> </ul>		MC Jhajjar	<ul style="list-style-type: none"> <li>• Activity completed.</li> </ul>	<ul style="list-style-type: none"> <li>• Currently no Gap.</li> </ul>
		<ul style="list-style-type: none"> <li>• 54 Nos Waste Collection trolleys ( Hand Rickshaws), 16 Nos Mini Tractor trolley , 5 Tractor Trolleys are available for the transportation of waste</li> <li>• No shortcoming.</li> </ul>		MC Bahadurgarh	<ul style="list-style-type: none"> <li>• Activity completed.</li> </ul>	<ul style="list-style-type: none"> <li>• Currently no Gap.</li> </ul>
		<ul style="list-style-type: none"> <li>• 10 Nos Waste Collection trolleys (Rickshaw) 3 Nos Mini Tractor Trolleys are available for the transportation of waste .</li> <li>• No shortcoming</li> </ul>		MC Beri	<ul style="list-style-type: none"> <li>• Activity completed.</li> </ul>	<ul style="list-style-type: none"> <li>• Currently no Gap.</li> </ul>
(ii)	Bulk Waste Truck	<ul style="list-style-type: none"> <li>• 1 Nos Bulk Waste Tractor Trolley is available with MC</li> <li>• Yes , Adequate Target already</li> </ul>		MC Jhajjar	<ul style="list-style-type: none"> <li>• Yes , 100% Target achieved</li> </ul>	<ul style="list-style-type: none"> <li>• Currently no Gap.</li> </ul>

		achieved				
		<ul style="list-style-type: none"> <li>3 nos tractor trolley is Run by private agencies hired by ULB</li> <li>Yes , Adequate Target already achieved</li> </ul>		MC Bahadurgarh	<ul style="list-style-type: none"> <li>Yes , 100% Target achieved</li> </ul>	<ul style="list-style-type: none"> <li>Currently no Gap.</li> </ul>
		<ul style="list-style-type: none"> <li>1 no tractor trolley Run by private agencies hired by ULB</li> <li>Yes , Adequate Target already achieved</li> </ul>		MC Beri	<ul style="list-style-type: none"> <li>Yes , 100% Target achieved</li> </ul>	<ul style="list-style-type: none"> <li>Currently no Gap.</li> </ul>
(iii)	Waste Transfer points	<ul style="list-style-type: none"> <li>10 Nos of Waste Transfer points are available for bulk waste.</li> <li>Yes, adequate</li> <li>Target Already achieved</li> </ul>		MC Jhajjar	<ul style="list-style-type: none"> <li>Yes , 100% Target achieved</li> </ul>	<ul style="list-style-type: none"> <li>Currently no Gap.</li> </ul>
		<ul style="list-style-type: none"> <li>14 Nos of Waste Transfer points (Secondary Points) are available for bulk waste</li> <li>Yes, adequate, Target Already achieved</li> </ul>		MC Bahadurgarh	<ul style="list-style-type: none"> <li>Yes , 100% Target achieved</li> </ul>	<ul style="list-style-type: none"> <li>Currently no Gap.</li> </ul>
		<ul style="list-style-type: none"> <li>Waste Transfer points are Not Required waste collection.</li> </ul>		MC Beri	<ul style="list-style-type: none"> <li>Yes , 100% Target achieved</li> </ul>	<ul style="list-style-type: none"> <li>Currently no Gap.</li> </ul>
(iv)	Vehicles for collection of waste, status of	<ul style="list-style-type: none"> <li>11 Nos - Compartment Vehicles with GPS</li> </ul>		MC Jhajjar	<ul style="list-style-type: none"> <li>Yes , 100%</li> </ul>	<ul style="list-style-type: none"> <li>GPS monitoring is being done</li> </ul>

	compartmentalization and GPS system	system enable target already achieved.			Target achieved	by MC.
		<ul style="list-style-type: none"> <li>21 Nos - Compartment Vehicles GPS system enable, target already achieved.</li> </ul>		MC Bahadurgarh	<ul style="list-style-type: none"> <li>Yes , 100% Target achieved</li> </ul>	<ul style="list-style-type: none"> <li>GPS monitoring is being done by MC.</li> </ul>
		<ul style="list-style-type: none"> <li>4 Nos - Compartment Vehicles with GPS system enable, target already achieved.</li> </ul>		MC Beri	<ul style="list-style-type: none"> <li>Yes , 100% Target achieved</li> </ul>	<ul style="list-style-type: none"> <li>GPS monitoring is being done by MC.</li> </ul>
(v)	Transportation of solid waste	<ul style="list-style-type: none"> <li>Yes, Adequate vehicles deployed by contractor / agency hired by ULB</li> <li>No gap assessed</li> </ul>		MC Jhajjar	<ul style="list-style-type: none"> <li>Yes , 100% Target achieved</li> </ul>	<ul style="list-style-type: none"> <li>Currently no Gap.</li> </ul>
		<ul style="list-style-type: none"> <li>Yes, Adequate vehicles deployed by contractor / agency hired by ULB</li> <li>No gap assessed</li> </ul>		MC Bahadurgarh	<ul style="list-style-type: none"> <li>Yes , 100% Target achieved</li> </ul>	<ul style="list-style-type: none"> <li>Currently no Gap.</li> </ul>
		<ul style="list-style-type: none"> <li>Yes, Adequate vehicles deployed by contractor / agency hired by ULB</li> <li>No gap assessed</li> </ul>		MC Beri	<ul style="list-style-type: none"> <li>Yes , 100% Target achieved</li> </ul>	<ul style="list-style-type: none"> <li>Currently no Gap.</li> </ul>
5.	<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)	<ul style="list-style-type: none"> <li>• Yes, 8 Nos of bulk waste generators identified in city which manage their waste by their self by converting wet waste in compost using compost pits mechanism. All hotel/Dhaba eating point with bulk waste generator) wet waste collected by livestock owners, cross verification done by Sanitation staff by MC Jhajjar and found that wet waste was being collected by livestock owners for feeding.</li> <li>• Agreement for delivery of dry waste will be signed with Bulk Waste Generator.</li> </ul>	Action Plan for getting onsite composting plants commissioned	MC Jhajjar	<ul style="list-style-type: none"> <li>• Yes, 100 %, Target already achieved.</li> </ul>	<ul style="list-style-type: none"> <li>• Currently No Gap as agreement has been signed with 08 nos. bulk waste generators.</li> </ul>
		<ul style="list-style-type: none"> <li>• Yes, 25 Nos of bulk waste generators identified in city which manage their waste by their self by converting wet waste in compost using compost pit mechanism and Bahadurgarh M.C .area Godhan organic, Badli road, near Dumping site of M.C.</li> </ul>	Action Plan for getting onsite composting plants commissioned	MC Bahadurgarh	<ul style="list-style-type: none"> <li>• Yes, 100 %, Target already achieved.</li> </ul>	<ul style="list-style-type: none"> <li>• Currently No Gap as agreement has been signed with 25 nos. bulk waste generators.</li> </ul>

		<p>Bahadurgarh outsources agency is collecting waste food from Hotel/Dhabas &amp; restaurants and make it vermi composting.</p> <ul style="list-style-type: none"> <li>• Agreement for delivery of dry waste will be signed with Bulk Waste Generator.</li> </ul>				
		<ul style="list-style-type: none"> <li>• No Bulk Waste Generator in MC Beri Jurisdiction.</li> </ul>		MC Beri	<ul style="list-style-type: none"> <li>• Yes, 100 %, Target already achieved.</li> </ul>	<ul style="list-style-type: none"> <li>• 25/kg BWG notification published by MC Beri.</li> </ul>
(ii)	Wet-waste Management: Facility (ies) for central Biomethanation / Composting of wets waste.	<ul style="list-style-type: none"> <li>• 34 Nos. Composting Pits constructed for Wet Waste Management / No Biomethanation is wet waste system is available.</li> <li>• Composting Pits are adequate for wet waste processing.</li> <li>• No Gap Assessed.</li> <li>• Feasibility of supply of edible wet waste is being explored for livestock.</li> </ul>		MC Jhajjar	<ul style="list-style-type: none"> <li>• Yes, 100% Target achieved.</li> </ul>	Wet & Solid waste is being disposed through outsource agency.

		<ul style="list-style-type: none"> <li>Total 40 nos of compost pit required, 20 Nos Composting Pits constructed for Wet Waste Management.</li> <li>50% gap.</li> <li>Feasibility of supply of edible wet waste is being explored for livestock.</li> </ul>	<ul style="list-style-type: none"> <li>Remaining 20 nos compost pits are under construction.</li> </ul>	MC Bahadurgarh	<ul style="list-style-type: none"> <li>Yes, 100%, Target already achieved.</li> <li>Yes, 100%, Target already achieved.</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>
		<ul style="list-style-type: none"> <li>20 Nos Composting Pits constructed for Wet Waste Management / No Biomethanation is wet waste system is available.</li> <li>Composting Pits are adequate for wet waste processing -</li> <li>No Gap Assessed.</li> <li>Feasibility of supply of edible wet waste is being explored for livestock.</li> </ul>		MC Beri	<ul style="list-style-type: none"> <li>Yes, 100%, Target already achieved.</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	<ul style="list-style-type: none"> <li>Yes, 1 No. MRF is available and in operation for dry waste management.</li> <li>MC Jhajjar also registered Re cart</li> </ul>		MC Jhajjar	<ul style="list-style-type: none"> <li>Yes, 100% Target achieved</li> </ul>	<ul style="list-style-type: none"> <li>100% Dry waste which is being disposed through outsource</li> </ul>

		Innovation Pvt. Ltd Gurugram for processing of Dry Waste. There is Gap no gap in MRF center. Target achieved.				agency.
		<ul style="list-style-type: none"> <li>• Yes (1 no Material recovery facility centre i.e. Badli Road, Bahadurgarh near dumpsite Bahadurgarh). Material recovery facility (MRF )Center transfers their Dry waste to recyclers.</li> <li>• MC Bahadurgarh also registered Re cart Innovation Pvt. Ltd Gurugram for processing of Dry Waste.</li> <li>• There is no gap in MRF center. Target achieved.</li> </ul>		MC Bahadurgarh	<ul style="list-style-type: none"> <li>• Yes , 100% Target achieved</li> </ul>	<ul style="list-style-type: none"> <li>• 100% Dry waste which is being disposed through outsource agency.</li> </ul>
		<ul style="list-style-type: none"> <li>• Yes, 1 No. Material recovery facility (MRF is available and in operation for dry waste management. MC Beri also registered Re cart Innovation Pvt. Ltd Gurugram for processing of Dry Waste. There is no gap in MRF center. Target</li> </ul>		MC Beri	<ul style="list-style-type: none"> <li>• Yes , 100% Target achieved</li> </ul>	<ul style="list-style-type: none"> <li>• 100% Dry waste which is being disposed through outsource agency.</li> </ul>

		achieved.				
(iv)	Disposal of inert and no recyclable wastes: Sanitary Landfill	<ul style="list-style-type: none"> <li>Disposing at designated site (MRF &amp; Wet Composting Pits) for a while till sanitary landfill construction. MC Jhajjar attached with Rohtak cluster for disposal of inert waste.</li> <li>No gap.</li> </ul>		MC Jhajjar	NA	MC Jhajjar attached with Rohtak cluster for the disposal of inert waste.
		<ul style="list-style-type: none"> <li>Disposing at designated site (MRF &amp; Wet Composting Pits) for a while till sanitary landfill construction. MC Bahadurgarh attached with Rohtak cluster for disposal of inert waste.</li> <li>No gap.</li> </ul>		MC Bahadurgarh	NA	MC Bahadurgarh attached with Rohtak cluster for the disposal of inert waste
		<ul style="list-style-type: none"> <li>Disposing at designated site (MRF &amp; Wet Composting Pits) for a while till sanitary landfill construction. MC Bahadurgarh attached with Rohtak cluster for disposal of inert waste.</li> </ul>		MC Beri	NA	
(v)	Remediation of historic /legacy dumpsite	<ul style="list-style-type: none"> <li>Legacy waste 11000 MT exists and remediation work is in progress of dumpsite.</li> <li>100% gap.</li> </ul>	<ul style="list-style-type: none"> <li>remediation work is in progress of dumpsite.</li> </ul>	MC Jhajjar	<ul style="list-style-type: none"> <li>31.03.2024</li> </ul>	<ul style="list-style-type: none"> <li>Bio remediation of legacy waste and quantification of survey under process through DCRUST Murthal.</li> </ul>

		<ul style="list-style-type: none"> <li>Legacy waste Total quantity - 2,10,000 MT</li> <li>Treated quantity 84,000 MT</li> <li>Balance- 1,26,000 MT.</li> <li>60% gap.</li> </ul>	<ul style="list-style-type: none"> <li>remediation work is in progress of dumpsite</li> </ul>	MC Bahadurgarh	<ul style="list-style-type: none"> <li>31.03.2024</li> </ul>	Bio remediation of legacy waste and quantification of survey under process through DCRUST Murthal.
		<ul style="list-style-type: none"> <li>Legacy waste Total quantity - 3800 MT</li> <li>100% gap.</li> </ul>	<ul style="list-style-type: none"> <li>remediation work is in progress of dumpsite</li> </ul>	MC Beri	<ul style="list-style-type: none"> <li>31.03.2024</li> </ul>	<ul style="list-style-type: none"> <li>Bio remediation of legacy waste and quantification of survey under process through DCRUST Murthal.</li> </ul>
(vi)	Involvement of NGOs	<ul style="list-style-type: none"> <li>Yes, 1 NGO is involved.</li> <li>Yes, Already campaigning done.</li> <li>Efforts will be made to engage more NGOs in campaign.</li> </ul>	NGOs can be involved for management of solid waste campaign	MC Jhajjar	Regular Activity	It is an ongoing process and 01 NGO is involved.
		<ul style="list-style-type: none"> <li>Yes, MC Bahadurgarh started the campaign with the help of 02 NGOs to aware the citizens about solid waste management.</li> <li>Efforts will be made to engage more NGOs in campaign.</li> </ul>	NGOs can be involved for management of solid waste campaign	MC Bahadurgarh	Regular Activity	It is an ongoing process 02 NGOs are involved.
		<ul style="list-style-type: none"> <li>Yes, MC Beri started the campaign with the help of 01 NGOs to aware the citizens</li> </ul>	NGOs can be involved for management of solid waste campaign	MC Beri	Regular Activity	It is an ongoing process 1 NGO is involved.

		<p>about solid waste Management.</p> <ul style="list-style-type: none"> <li>• Efforts will be made to engage more NGOs in campaign.</li> </ul>				
(vii)	EPR of Producers: Linkage with Producers / Brand Owners	<ul style="list-style-type: none"> <li>• Not Initiated</li> <li>• Yes</li> <li>• No Extended Producer Responsibility (EPR) Producer is identified. 100% gap.</li> </ul>	<ul style="list-style-type: none"> <li>• Identification of Extended Producer Responsibility (EPR) producer/Brand owners is under process.</li> </ul>	MC Jhajjar	<ul style="list-style-type: none"> <li>• Yes , 100% Target achieved.</li> </ul>	<ul style="list-style-type: none"> <li>• Survey work is complete and no producer/ brand owner found.</li> </ul>
		<ul style="list-style-type: none"> <li>• Not Initiated</li> <li>• Yes</li> <li>• No Extended Producer Responsibility (EPR) Producer is identified. Identification of Extended Producer Responsibility (EPR) producer/Brand owners is under process.</li> </ul>	<ul style="list-style-type: none"> <li>• Identification of Extended Producer Responsibility (EPR) producer/Brand owners is</li> </ul>	MC Bahadurgarh	<ul style="list-style-type: none"> <li>• 31.07.2023</li> </ul>	<ul style="list-style-type: none"> <li>• Survey work is complete and 03 no. producers/ brand owners found.</li> </ul>

		<ul style="list-style-type: none"> <li>• 100% gap.</li> </ul>	<p>under process.</p>			
		<ul style="list-style-type: none"> <li>• Not Initiated</li> <li>• Yes</li> <li>• No Extended Producer Responsibility (EPR) Producer is identified.</li> <li>• 100% gap.</li> </ul>	<ul style="list-style-type: none"> <li>• Identification of Extended Producer Responsibility (EPR) producer/Brand owners is under process.</li> </ul>	MC Beri	<ul style="list-style-type: none"> <li>• Yes , 100% Target achieved.</li> </ul>	<ul style="list-style-type: none"> <li>• Survey work is complete and no producer/brand owner found.</li> </ul>
(viii)	Authorisation of Waste Pickers	<ul style="list-style-type: none"> <li>• Yes, 45 nos Rag Pickers are registered with Municipal Council as per guide lines.</li> <li>• Yes Already Prepared</li> </ul>		MC Jhajjar	<ul style="list-style-type: none"> <li>• Yes , 100% Target achieved</li> </ul>	<ul style="list-style-type: none"> <li>• Yes, 40 nos Rag Pickers are registered with MC Jhajjar.</li> </ul>
		<ul style="list-style-type: none"> <li>• Yes, 74 nos Rag Pickers are registered with Municipal Council as per guide lines.</li> <li>• Already Prepared</li> </ul>		MC Bahadurgarh	<ul style="list-style-type: none"> <li>• Yes , 100% Target achieved</li> </ul>	<ul style="list-style-type: none"> <li>• Yes, 60 nos Rag Pickers are registered with MC Bahadurgarh.</li> </ul>

		<ul style="list-style-type: none"> <li>• Yes, 12 Rag Pickers are registered with Municipal Committee as per guide lines.</li> <li>• Already Prepared</li> </ul>		MC Beri	<ul style="list-style-type: none"> <li>• Yes , 100% Target achieved</li> </ul>	<ul style="list-style-type: none"> <li>• Yes, 08 nos Rag Pickers are registered with MC Beri</li> </ul>
(ix)	Preparation of own by-laws to comply with SWM Rules 2016	<ul style="list-style-type: none"> <li>• Yes , Bye Laws is prepared by Municipal Council for SWM Rule ,2016</li> <li>• Yes, Already Prepared</li> </ul>		MC Jhajjar	<ul style="list-style-type: none"> <li>• Yes , 100% Target achieved</li> </ul>	<ul style="list-style-type: none"> <li>• Bye laws notified.</li> </ul>
		<ul style="list-style-type: none"> <li>• Yes , Bye Laws is prepared by Municipal Council for SWM Rule ,2016.</li> <li>• Yes, Already Prepared</li> </ul>		MC Bahadurgarh	<ul style="list-style-type: none"> <li>• Yes, Already Prepared</li> </ul>	<ul style="list-style-type: none"> <li>• Bye laws notified.</li> </ul>
		<ul style="list-style-type: none"> <li>• Yes , Bye Laws is prepared by Municipal Council for SWM Rule ,2016.</li> <li>• Yes, Already Prepared</li> </ul>		MC Beri	<ul style="list-style-type: none"> <li>• Yes, Already Prepared</li> </ul>	<ul style="list-style-type: none"> <li>• Bye laws notified.</li> </ul>

**(ii) Plastic waste Management**

**(a) Current status related to Plastic waste management**

Sr. No.	Urban Local bodies	Estimated quantity of Plastic Waste Generated per day
1	MC Jhajjar	0.6 TPD
	MC Bahadurgarh	2.5 TPD
	MC Beri	0.1 TPD
2	Municipalities (Nagar Palikas)	
	MC Jhajjar	---
	MC Bahadurgarh	---
	MC Beri	---
3	Nagar panchayats Town area Councils	
	MC Jhajjar	---
	MC Bahadurgarh	---
	MC Beri	---

Sr. No.	Local Bodies	Plastic Waste Generated per day
2	Block /Taluk / Mandal Tehsils	3.2 TPD
3	Village/Gram Panchayats	3.2 TPD

**(b) Identification of gaps and Action plan:**

Sr. No.	Action points For village panchayats/ blocks/ municipalities / corporations	Identification of gap	Action plan	Agencies Responsible	Target time for Compliance	Current Status
1.	Door to Door collection of dry waste including PW	<ul style="list-style-type: none"> <li>Yes, 100% door to door collection done by M/S Pooja Consultation.</li> <li>No Gap Assessed</li> </ul>		MC Jhajjar	Yes , 100% Target achieved	100% Dry waste which is being disposed through outsource agency.
		<ul style="list-style-type: none"> <li>Yes, 100% door to door collection done by M/S Pooja Consultation Ltd.</li> <li>No Gap Assessed</li> </ul>		MC Bahadurgarh	Yes , 100% Target achieved	100% Dry waste which is being disposed through outsource agency.
		<ul style="list-style-type: none"> <li>Yes, 100% door to door collection done by M/S Balwan &amp; Company</li> <li>No Gap Assessed</li> </ul>		MC Beri	Yes , 100% Target achieved	100% Dry waste which is being disposed through outsource agency.
2.	Facilitate organized collection of PW at Waste transfer point or Material Recovery Facility	<ul style="list-style-type: none"> <li>Material Recovery Facility (MRF) is constructed in city with Capacity of 10 TPD each for Collection of Plastic Waste</li> <li>Yes Involvement of NGO and rag pickers.</li> </ul>	<ul style="list-style-type: none"> <li>Tracing of recycler/ Brand owner is in progress</li> </ul>	MC Jhajjar	Yes , 100% Target achieved.	MRF centre is operational with 40 rag pickers registered with MC.
		<ul style="list-style-type: none"> <li>01 MRF Centre is installed on Site on which plastic waste segregate separately.</li> <li>Yes With NGO and rag pickers.</li> </ul>	<ul style="list-style-type: none"> <li>Tracing of recycler/ Brand owner is in progress</li> </ul>	MC Bahadurgarh	Yes , 100% Target achieved.	MRF centre is operational with 60 rag pickers registered with MC.

		<ul style="list-style-type: none"> <li>• 01 MRF Centre is installed on Site on which plastic waste segregate separately.</li> <li>• Yes With NGO and rag pickers.</li> </ul>	Tracing of recycler/ Brand owner is in progress	MC Beri	Yes , 100% Target achieved.	MRF centre is operational with 08 rag pickers registered with MC.
3.	PW collection Centers	<ul style="list-style-type: none"> <li>• Yes 01 MRF Centre is installed on Site on which plastic waste segregate separately.</li> </ul>	Plastic waste collection centre should be established in adequate numbers. Coordination with State Urban Department may be necessary	MC Jhajjar	Yes , 100% Target achieved	MRF centre is operational with 40 rag pickers registered with MC.
		<ul style="list-style-type: none"> <li>• Yes 01 MRF Centre is installed on Site on which plastic waste segregate separately.</li> </ul>		MC Bahadurgarh	Yes , 100% Target achieved	MRF centre is operational with 60 rag pickers registered with MC.
		<ul style="list-style-type: none"> <li>• Yes 01 MRF Centre is installed on Site on which plastic waste segregate separately.</li> </ul>		MC Beri	Yes , 100% Target achieved	MRF centre is operational with 08 rag pickers registered with MC.
4.	Awareness and education programs implementation	<ul style="list-style-type: none"> <li>• Yes Initiated for IEC to avoid use of Plastic in routine life to minimize Plastic Waste.</li> </ul>	Education through mass media, schools, Producer / brand owner campaigns and other channels	MC Jhajjar	Regular activity	Awareness through advisory and notices for 3-way segregation.

		<ul style="list-style-type: none"> <li>• Yes Initiated for IEC, Munadi and Campion to avoid use of Plastic in routine life to minimize Plastic Waste.</li> </ul>		MC Bahadurgarh	Regular activity	Awareness through collection vehicles.
		<ul style="list-style-type: none"> <li>• Yes Initiated for IEC Munadi and Campion to avoid use of Plastic in routine life to minimize Plastic Waste.</li> </ul>		MC Beri	Regular activity	Awareness through collection vehicles.
5.	Access to Plastic Waste Disposal Facilities	<ul style="list-style-type: none"> <li>• Plastic Waste will be sent to Cement plant &amp; waste to Energy plant Gazipur through Re-Cart Innovation PVT. Ltd Gurugram (Agreement signed with Re- cart Innovation for plastic waste disposal as per CPCB guidelines).</li> </ul>	<p>Check if Plastic Waste recycling facilities available at reasonable distance; Channel for sending PW</p> <p>Collected to cement plants for processing</p> <p>Availability of waste plastic oil producing facilities;</p> <p>Linkage with PWD for usage of PW in road making.</p> <p>Action plan at district should involve Urban and Rural Local bodies</p>	MC Jhajjar	Yes , 100% Target achieved.	Plastic waste is being sent to Cement plant and waste to energy plant through outsource agency.

	Plastic Waste will send to Cement plant & waste to Energy plant Gazipur through Re- Cart Innovation PVT. Ltd Gurugram. ( Agreement signed with Re- cart Innovation for plastic waste disposal as per CPCB guidelines)		MC Bahadurgarh	Yes , 100% Target achieved.	Plastic waste is being sent to Cement plant and waste to energy plant through outsource agency.
	Plastic waste will send to Cement plant & waste to Energy plant Gazipur through Re- Cart Innovation PVT. Ltd Gurugram. ( Agreement signed with Re- cart Innovation for plastic waste disposal as per CPCB guidelines)		MC Beri	Yes , 100% Target achieved.	Plastic waste is being sent to Cement plant and waste to energy plant through outsource agency.

### (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)	MC Jhajjar	1 TPD
	MC Bahadurgarh	1.5 TPD
	MC Beri	0.5 TPD
Does the District has access to C&D waste recycling facility?	MC Jhajjar	Yes
	MC Bahadurgarh	Yes
	MC Beri	Yes

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

Sr. No.	Action points For village panchayats/ blocks/ municipalities / corporations	Identification of gap	Action plan	Agencies Responsible	Target time for Compliance	Current Status
1.	Arrangement for separate collection of C&D waste to C&D	<ul style="list-style-type: none"> <li>Yes Collection of C&amp;D waste separately.</li> </ul>	C&D waste for further use in construction	MC Jhajjar	31.07.2023	Separate collection of C&D & disposed in

	waste Deposition point.	<p>1. Site identified for C&amp;D waste deposition at Delhi gate, Bahadurgarh Road, Jhajjar.</p> <p>2. The agreement for lifting and processing of C&amp;D waste with IL &amp; FS Gurgaon is under process.</p> <p>3. Tractor Trolley is available for C&amp;D waste collection &amp; Transportation at deposition site</p> <p>4. 100% gap.</p>	work/ low lying area.			low laying area of the city.
		<ul style="list-style-type: none"> <li>• Yes collection of C&amp;D waste separately.</li> <li>• 1. Site identified for C&amp;D waste deposition at near water works, Sector-6, Patel Nagar, Bahadurgarh</li> <li>2. Tractor Trolley is available for C&amp;D waste collection &amp; Transportation at deposition site</li> <li>3. The agreement for lifting and processing of C&amp;D waste with IL &amp; FS Gurgaon is under process.</li> <li>4. 100% gap</li> </ul>	<ul style="list-style-type: none"> <li>• C&amp;D waste for further use in construction work/ low lying area.</li> </ul>	MC Bahadurgarh	31.07.2023	Separate collection of C&D & disposed in low laying area of the city.
		<p>Yes Collection of C&amp;D wastes separately.</p> <p>1. Site identified for C&amp;D waste deposition at Kabulpur Road, Near Herbal Park, Beri</p>	<ul style="list-style-type: none"> <li>• C&amp;D waste for further use in construction work/ low lying</li> </ul>	MC Beri	31.07.2023	Separate collection of C&D & disposed in low laying area of the city.

		<p>2. Tractor Trolley is available for C&amp;D waste collection &amp; Transportation at deposition site</p> <p>3. The agreement for lifting and processing of C&amp;D waste with IL &amp; FS Gurgaon is under process.</p> <ul style="list-style-type: none"> <li>4. 100% gap.</li> </ul>	area.			
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?	<ul style="list-style-type: none"> <li>No bulk C &amp; D waste generator is exist in MC Jhajjar Jurisdiction.</li> <li>No gap.</li> </ul>		MC Jhajjar	NA	No BULK waste generator in MC Jhajjar.
		<ul style="list-style-type: none"> <li>No bulk C &amp; D waste generator is exist in MC Bahadurgarh Jurisdiction</li> <li>No gap.</li> </ul>		MC Bahadur garh	NA	No BULK waste generator in MC Bahadurgarh
		<ul style="list-style-type: none"> <li>No bulk C &amp; D waste generator is existing in MC Beri Jurisdiction.</li> <li>No gap.</li> </ul>		MC Beri	NA	No BULK waste generator in MC Beri.
3.	C&D recycling Facility	<ul style="list-style-type: none"> <li>Yes , C&amp;D waste recycling is available (rent based crushing machine)</li> <li>The agreement for lifting and</li> </ul>		MC Jhajjar	31.07.2023	The agreement for lifting and processing of C&D waste with IL & FS Gurgaon is

		<p>processing of C&amp;D waste with IL &amp; FS Gurgaon is under process.</p> <ul style="list-style-type: none"> <li>No gap.</li> </ul>				under process.
		<ul style="list-style-type: none"> <li>Yes C&amp;D waste recycling is available (rent based crushing machine)</li> <li>The agreement for lifting and processing of C&amp;D waste with IL &amp; FS Gurgaon is under process.</li> <li>No gap.</li> </ul>		MC Bahadur garh	31.07.2023	
		<ul style="list-style-type: none"> <li>Yes MC have Hired crushing machine for C&amp;D Waste.</li> <li>The agreement for lifting and processing of C&amp;D waste with IL &amp; FS Gurgaon is under process.</li> <li>No gap.</li> </ul>		MC Beri	31.07.2023	
4.	Usage of recycled C&D waste in non- structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	Yes, C&D waste used along with soil filling in roads /Street construction work.		MC Jhajjar	Yes , 100% Target achieved	C & D waste is being used as filling material in road/ street construction.
		Yes used in low lying area.		MC Bahadurg arh	Yes , 100% Target achieved	C & D waste is being used as filling material in road/ street construction.
		Yes used in low lying		MC Beri	Yes , 100%	C & D waste is being used

		area.			Target achieved	as filling material in road/ street construction.
5.	IEC on C & D waste management	1. By Advertisement in Local News Papers  2. By Presentation in Schools & Colleges and other institution.		MC Jhajjar	Regular activity	Public awareness in newspaper for C & D Waste separation collection and disposal.
		<ul style="list-style-type: none"> <li>• Yes by munadi</li> <li>• 1. By Advertisement in Local News Papers</li> <li>• 2. By Presentation in Schools &amp; Colleges and other institution.</li> </ul>		MC Bahadur garh	Regular activity	Public awareness in newspaper for C & D Waste separation collection and disposal.
		<ul style="list-style-type: none"> <li>• Yes by munadi</li> <li>• 1. By Advertisement in Local News Papers</li> <li>• 2. By Presentation in Schools &amp; Colleges and other institution.</li> </ul>		MC Beri	Regular activity	Public awareness in newspaper for C & D Waste separation collection and disposal.

**(iv) Bio medical Waste Management**

**a. Current Status related to bio-medical waste**

In District Jhajjar, there are 92 Number of bedded and 98 Number non-bedded Government and Private Health Care Facilities exists in District Jhajjar, 45 Number Clinical labs in the District. M/s S.D. Bio Medical Waste Management Co. Vill- Baland, Distt. Rohtak (CBWTF) is already established in District Rohtak which is treating and disposing the Bio Medical waste generated from the HCFs of District Jhajjar.

Inventory of BMW in the District	Quantity
Total Bedded Health care Facilities	[92 Nos]
Total non-bedded HCF	[98 Nos]
No. of HCFs authorized by SPCBs/PCCs	[190 Nos]
No of Common Bio-medical Waste Treatment and Disposal Facilities(CBWTFs)	[Nil] (All the HCFs of District Jhajjar have agreement with M/s S.D. Bio Medical Waste Management Co. Vill-Baland, Distt. Rohtak for scientific disposal of bio medical waste generated)
Capacity of CBWTFs	[Nil inKg/day]
No. of Deep burials for BMW if any	[Nil Nos]
Quantity of bio-medical waste generated per day	[743.4 Kg/day]
Quantity of bio-medical waste treated per day	[743.4 Kg/day]

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

S. No.	Action points	Gaps	Action Plan	Responsible agency	Timeline for completion of action plan	Current Status
1.	Inventory and Identification of Healthcare Facilities	<ul style="list-style-type: none"> <li>• Inventorization &amp; Identification of HCF has already been done in District Jhajjar with having total 190 nos. HCF's are operational including bedded and non bedded facilities. Also there are total 131 no. of Veterinary hospitals/dispensaries available to cater out the health need of total approximate cattle population of District Jhajjar.</li> <li>• These Veterinary hospitals/dispensaries have not obtained necessary authorization under the provisions of BMWM Rules, 2016. This office has already issued show cause notices to 131 nos. non applicant</li> </ul>	Identification of :- <ul style="list-style-type: none"> <li>• Number of bedded and non-bedded Government and Private Health Care Facilities in the Districts</li> <li>• Number of Blood Banks, Clinical labs in the Districts</li> <li>• Veterinary Institution &amp; Animal Husbandry</li> </ul>	<ul style="list-style-type: none"> <li>• Health Department</li> <li>• HSPCB</li> <li>• Animal Husbandry and Dairying, Deptt.</li> </ul>	Regular activity	

		veterinary hospitals/dispensaries dt. 18.01.2021 and 14.10.2021.	<ul style="list-style-type: none"> <li>List of Medical Institution Forensic Labs &amp; RD labs, etc.,</li> <li>All the Veterinary hospitals/dispensaries shall be directed to obtain necessary authorization under the provisions of BMW Rules, 2016.</li> </ul>			
2.	Adequacy of facilities to treat biomedical waste	There is no Gap as existing Common facility <b>M/s S.D. Bio Medical Waste Management Co. Vill-Baland, Distt. Rohtak (CBWTF) already established in District Rohtak</b> is having adequate infrastructure and capacity for transportation ,treatment and disposal of Approx. 619.3 kg/day Bio Medical Waste is being generated from existing HCF's of Distt. Jhajjar.	<ul style="list-style-type: none"> <li>Phasing-out the use of chlorinated plastic bags.</li> <li>To avoid deep burial and open littering of BMW.</li> </ul>	<ul style="list-style-type: none"> <li>HSPCB</li> <li>Deptt. Of Environment &amp; Climate Change, Govt. Of Haryana</li> <li>Health Department</li> <li>CBWTF</li> </ul>	<ul style="list-style-type: none"> <li>Yes , 100% Target achieved</li> </ul>	Yes , 100% Target achieved
3.	Tracking of BMW	Bar coding system is implemented & adopted by HCFs partially i.e. by 165 No. of HCF out of total 190 existing and operational throughout the district.	<ul style="list-style-type: none"> <li>Every HCF shall be directed to adopt bar-coding system for the purpose of monitoring and tracking of BMW generated and its safe transportation and disposal to CBWTF.</li> <li>Ensuring</li> </ul>	<ul style="list-style-type: none"> <li>HSPCB</li> <li>HCF</li> <li>CBWTF</li> </ul>	Regular activity	

			<p>Bar Coding &amp; Segregation at Source system adopted for Yellow, red, White and Blue containers with quantification of waste.</p> <ul style="list-style-type: none"> <li>To verify the number of dedicated collection vehicles matching with the quantity of Bio Medical Waste quantity generation and duration of travel.</li> </ul>			
4.	Awareness and education of healthcare staff	Regular training and awareness programs are being and need to be conducted for healthcare staff dealing with Bio- Medical Waste in association with Health Department in existing HCF's.		<ul style="list-style-type: none"> <li>Health Department</li> <li>HSPCB</li> <li>Animal Husbandry and Dairying, Deptt.</li> </ul>	Regular activity	It is a regular process.
5.	Adequacy of funds	Adequate funds have been allocated to Government health care facilities for bio- medical waste management by State Govt.		<ul style="list-style-type: none"> <li>Health Department</li> <li>Animal Husbandry and Dairying, Deptt.</li> </ul>	NA	--
6.	Compliance to Rules by HCFs and	<ul style="list-style-type: none"> <li>To ensure that all the HCF existing and operating in the district should obtained prior Authorization under BMW Rules 2016 and Consent to Establish</li> </ul>	<ul style="list-style-type: none"> <li>The random monthly mandatory inspections of the HCFs</li> </ul>	<ul style="list-style-type: none"> <li>Health Department</li> <li>HSPCB</li> </ul>	Regular activity	On going process.

	CBWTFs	<p>and Consent to Operate under Water (P &amp;CP)Act, 1974 and under Air (P&amp;CP) Act, 1981 as per the coverage of the HCF in consent management policy of HSPCB.</p> <ul style="list-style-type: none"> <li>• The service provider is using the dedicated collection vehicles equipped with GPS</li> <li>• All the HCFs except Veterinary hospitals/dispensaries have obtained authorization under BMWM Rules.</li> </ul>	<p>as allotted centrally by the Head office of HSPCB are being carried out.</p> <ul style="list-style-type: none"> <li>• The quarterly inspection of the CBWTFs is being carried out regularly.</li> <li>• To verify the operation of GPS in each of the dedicated vehicles and functioning of the tracking system in the respective CBMWTFs portal</li> <li>• All these 131 No. of Veterinary hospitals/dispensaries shall be directed to obtain necessary authorization under the provisions of BMWM Rules, 2016</li> </ul>			
7.	District Level Monitoring Committee	The State Level Advisory Committee has already been constituted in the State for implementation of BMWM Rules, 2016.	<ul style="list-style-type: none"> <li>• The District Level Monitoring Committee comprising Chief Medical Officer, RO, HSPCB Bahadurgarh, E.E</li> </ul>	<ul style="list-style-type: none"> <li>• Deputy Commissioner</li> <li>• Health Department</li> <li>• HSPCB</li> <li>• Animal Husbandry and</li> </ul>	<ul style="list-style-type: none"> <li>• To conduct meeting of the District Level Monitoring Committee in a fixed interval.</li> </ul>	Regular practice.

			Public Health, E.E Municipal Committee Jhajjar, Representative of Indian Medical Association, Representative of common bio-medical waste treatment facility under the Chairmanship of Deputy Commissioner, Jhajjar is working District Jhajjar.	Dairying, Deptt.		
8.	Wastewater treatment	<ul style="list-style-type: none"> <li>• 190 nos. of HCFs have implemented the segregation of liquid chemical waste at source and pre-treatment or neutralization by using 1% Sodium hypo Chlorite solution; prior to mixing with other effluent generated from health care facilities.</li> <li>• The PHED within the Municipal Committee area is treating the domestic effluent alongwith disinfected bio medical waste effluent generated from various HCFs in there terminal treatment facility installed.</li> <li>• 03 nos. HCFs which are not connected with such common treatment facilities via. Public sewer are directed install individual stand alone effluent treatment plant. At present 07 nos. of Hospitals have already installed ETP cum STP.</li> </ul>	<ul style="list-style-type: none"> <li>• Pre-treatment of the laboratory waste, microbiological waste, blood samples and blood bags through disinfection or sterilization on-site in the manner as prescribed by WHO or NACO.</li> <li>• All the bedded HCF which are generating waste bio medical</li> </ul>	<ul style="list-style-type: none"> <li>• HSPCB</li> <li>• PHED</li> <li>• HCF's</li> </ul>	Regular activity	On-going process.

			<p>effluent shall be enforcing to install Pre-treatment/ Neutralization facility and to obtain valid Public Sewer connection for Channelization and terminal treatment of domestic effluent generating from HCF.</p>			
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**(v) Hazardous Waste Management**

**a. Current Status related to Hazardous Waste Management**

District Jhajjar is known for its wet blue to finished leather, distillery, food processing, ceramic tile manufacturing, glass bottle, dyeing, electroplating, refining of used oil, cleaning of used containers/barrels industrial units which generates the effluent carrying Hazardous Waste. Basically the Hazardous Waste mentioned at category 34.3 i.e. ETP sludge is mainly generated from these industries on account of the treatment of the industrial effluent in ETPs. Moreover Hazardous Waste mentioned at category 9.1 i.e. lead bearing residue is mainly generated from lead recycling industries.

There are total 602 no. of industries existing in District Jhajjar and out of which 213 no. of industries are generating hazardous waste, hence having potential of generation of hazardous waste as listed under Schedule-I of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Further there is a potential of generation of approx. 401.2658 MT/Annum of hazardous waste from these industries.

The hazardous waste generated is scientifically treated and disposed as per the provisions of Hazardous and Other Wastes (M&TBM) Rule 2016 with having agreement either with Gujarat Environment Protection & Infrastructure Ltd. (**GEPIIL**) which is a State level single facility as a Common Hazardous Waste Treatment and Disposal facility located at Village Pali, District Faridabad or through recycler of hazardous waste authorized by HSPCB and HSPCB is regularly monitoring the generation and disposal of hazardous Wastes by the way of conducting monthly mandatory inspections of these industries.

The detail of such Industries generating Hazardous waste and obtained consent to operate under Water Act 1974 and Air Act 1981 and authorization under the provisions

of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 from HSPCB is given as follows:-

Categories	Numbers of Industries
Red	119
Orange	82
Green	12
<b>Total</b>	<b>213</b>

Hence, all the units generating industrial effluent have provided their Effluent Treatment Plants and most of them have provided Wet Scrubber as Air Pollution Control Device with stacks which are the main sources of generation of the Hazardous Waste in the District.

Details of Data Requirement	Present Status
No of Industries generating HW	[213 Nos.]
Quantity of HW in the district	[401.2658 MT/Annum]
(i)Quantity of Incinerable HW	[125.151 MT/Annum]
(ii)Quantity of land-fillable HW	[226.5368 MT/Annum]
(iii)Quantity of Recyclable/ utilizable HW	[49.578 MT/Annum]
No of captive/common TSDF	Nil
Contaminated Sites or probable Contaminated sites	Nil

**b. Identification of gap sand action plan:**

S. No.	Action points	Identification of Gaps	Action Plan	Responsible agency	Timeline for completion of action plan	Current Status
1.	Regulation of industries and facilities generating Hazardous Waste	<ul style="list-style-type: none"> <li>The complete Inventorization of hazardous waste generating units will be done.</li> <li>The authorization for hazardous waste generating units will be reviewed and granted.</li> <li>The execution of agreement by the various hazardous waste units with CHWTSDF or a recycler /utilize facility will be reviewed and compliance will be ensured .</li> </ul>		<ul style="list-style-type: none"> <li>HSPCB</li> <li>DIC</li> </ul>	<ul style="list-style-type: none"> <li>Regular activity</li> <li>Regular activity</li> <li>Regular activity</li> </ul>	

		<ul style="list-style-type: none"> <li>• Insurance of the Submission of annual returns in Form 3 &amp; Form 4 by industries generating Hazardous Waste.</li> <li>• The generation of the hazardous waste viz-viz operation of effluent treatment plant and use of chemicals for the treatment of waste water from the industries. The data will be correlated and action against the defaulter will be completed.</li> <li>• Implementation of online generation of Hazardous Waste manifest by Industries , CHWT SDF facility and authorized recycler.</li> </ul>			<ul style="list-style-type: none"> <li>• Regular activity</li> <li>• Regular activity</li> <li>• Regular activity</li> </ul>	
2.	Establishment of collection centers	<ul style="list-style-type: none"> <li>• No such dedicated collection centre is available and required in the district as Haz. Waste is stored temporarily within the premises of unit generating itself in a separate leachate proof hazardous waste storage room.</li> <li>• No gap.</li> </ul>	<ul style="list-style-type: none"> <li>• No gap, as all the units which are generating hazardous waste and having agreement with common TSDF are in easy and direct approach of dedicated transporting vehicles of service provider and hence linked to Common TSDFs.</li> </ul>	<ul style="list-style-type: none"> <li>• HSPC B</li> <li>• CHWT SDF</li> </ul>	<ul style="list-style-type: none"> <li>• Yes, 100% Target achieved</li> </ul>	It is an on-going process.
3.	Training of workers involved in handling / recycling / dispos	<ul style="list-style-type: none"> <li>• Training shall be conducted on regular basis.</li> </ul>		<ul style="list-style-type: none"> <li>• HSPC B</li> <li>• DIC</li> </ul>	Regular activity	It is an on-going process.

	al of HW					
4.	Availability / Linkage with common TSDf or disposal facility	<ul style="list-style-type: none"> <li>Agreement with common TSDf of all the units which are generating hazardous waste will be reviewed and units which are not having agreement with TSDf/Industries whose agreement has been expired will be directed to execute the agreement.</li> <li>10% gap.</li> </ul>	<ul style="list-style-type: none"> <li>Agreement with common TSDf of all the units which are generating hazardous waste will be reviewed and units which are not having agreement with TSDf/Industries whose agreement has been expired will be forced to execute the agreement.</li> </ul>	<ul style="list-style-type: none"> <li>HSPC B</li> <li>CHWT SDF</li> </ul>	Regular activity	It is an on-going process.
		<ul style="list-style-type: none"> <li>Units which are having agreement with common TSDf are in easy and direct access of dedicated transporting vehicles of service provider and hence linked to Common TSDfs.</li> <li>No gap.</li> </ul>		<ul style="list-style-type: none"> <li>HSPC B</li> <li>CHWT SDF</li> </ul>	<ul style="list-style-type: none"> <li>Yes, 100 % Target achieved</li> </ul>	It is an on-going process.
5.	Contaminated Sites	No contaminated site present within the district. No gap.		<ul style="list-style-type: none"> <li>HSPC B</li> </ul>	NA	NA

**(vi) E-Waste Management**

**a. Current Status related to E-Waste Management:**

In the district Jhajjar, there are 01 no. of E-Waste Dismantlers having capacity of 266.20 MTA, 1 no. of E-Waste producer having capacity of 33.35 Ton/Annum which have been authorized by the Board.

Details of Data Requirement	Present Status
Inventory of E-Waste in MT/year	299.554 MT/Year
Collection centers established by ULBs in the District	[0 Nos]
Collection centers established by Producers or their PROs	NIL
No authorized E-Waste recyclers /Dismantler	[01 no of E-Waste Dismantlers , Nil of E-Waste Recyclers]

**b. Identification of gap sand action plan:**

Sr. No.	Action points	Gap s in impl eme ntat ion	Action Plan	Responsible agency	Timeline for completion of action plan	Current Status
1	Inventory/Generation of E-Waste/Bulk-waste generators	No gap.	<ul style="list-style-type: none"> <li>Inventorization of bulk waste generators shall be done with the help of local administration and Municipal Council Jhajjar.</li> <li>Channelization of E-waste to register recycler/dismantler/refurbisher available throughout the state for safe disposal and recovery of material after recycling.</li> </ul>	<ul style="list-style-type: none"> <li>HSPCB</li> <li>MC Bahadurgarh &amp; Jhajjar</li> <li>DDPO, Jhajjar</li> <li>BDPO Jhajjar &amp; Bahadurgarh</li> </ul>	<ul style="list-style-type: none"> <li>31.07.2023</li> <li>31.07.2023</li> </ul>	<ul style="list-style-type: none"> <li>According to MC survey no Bulk generator is present in MC Jhajjar, MC Bahadurgarh and MC Beri.</li> <li>All 3 MCs have executed agreement for collection and processing of E-waste with Renu Recyclers MIE-B, B.garh</li> </ul>
2	E-Waste collection points	100% gap	Installation of E-Waste collection points/centers in villages - Blocks/towns /cities in association with District administration Producers their PROs or Recyclers.	<ul style="list-style-type: none"> <li>HSPCB</li> <li>MC Bahadurgarh &amp; Jhajjar.</li> <li>DDPO, Jhajjar</li> <li>BDPO Jhajjar &amp; Bahadurgarh</li> </ul>	<ul style="list-style-type: none"> <li>31.07.2023</li> </ul>	All 3 MCs have executed agreement for collection and processing of E-waste with Renu Recyclers MIE-B, B.garh

		100% gap	Installation of E-Waste collection points/centers is under process.	<ul style="list-style-type: none"> <li>• MC Jhajjar</li> </ul>	<ul style="list-style-type: none"> <li>• 31.07.2023</li> </ul>	E-waste collection point established at MRF center Rewari road, Jhajjar.
		100% gap	Installation of E-Waste collection points/centers is under process.	<ul style="list-style-type: none"> <li>• MC Bahadurgarh</li> </ul>	<ul style="list-style-type: none"> <li>• 31.07.2023</li> </ul>	E-waste collection point established at MRF center Naya-gaon, Bahadurgarh.
		100% gap	Installation of E-Waste collection points/centers is under process.	<ul style="list-style-type: none"> <li>• MC Beri</li> </ul>	<ul style="list-style-type: none"> <li>• 31.07.2023</li> </ul>	E-waste collection point established at MRF center kabulpur road, Beri.
		There are 06 No. of Blocks with 100% gap.	Gap 06 No. collection centre	<ul style="list-style-type: none"> <li>• DDPO/ CEO, ZP</li> </ul>	<ul style="list-style-type: none"> <li>• 31.07.2023</li> </ul>	
3	Linkage among Stakeholders to channelize E-Waste	100% gap.	<ul style="list-style-type: none"> <li>• To collect information about collection centers with the help of local administration, Municipal Council , Jhajjar and Producers/PROs and further linkage with registered E-Waste recycler/dismantler/ refurbisher for channelization of E-Waste.</li> </ul>	<ul style="list-style-type: none"> <li>• MC Jhajjar</li> <li>• MC Bahadurgarh</li> <li>• HSPCB</li> <li>• DDPO/ CEO, ZP</li> </ul>	<ul style="list-style-type: none"> <li>• 31.07.2023</li> </ul>	
4	Regulation of Illegal E-Waste recycling / dismantling	No gap.	No Gap, however regular vigil is being taken for such activities.	<ul style="list-style-type: none"> <li>• MC Jhajjar</li> <li>• MC Bahadurgarh</li> <li>• HSPCB</li> <li>• DDPO/ CEO, ZP</li> </ul>	<ul style="list-style-type: none"> <li>• 31.07.2023</li> </ul>	It is an on-going process.

5	Integration of informal sector	100% gap.	Identification of group of informal sector viz. Rag Pickers, Electronic/Electrical Repair Shops involved in collection of E-Waste and channelization of the same in to main stream with the help of local administration and Municipal Council, Jhajjar & Bahadurgarh and M.C. Beri.	<ul style="list-style-type: none"> <li>• MC Jhajjar</li> <li>• MC Bahadurgarh</li> <li>• HSPCB</li> <li>• DDPO/ CEO, ZP</li> </ul>	• 31.08.2023	Rag pickers/ Electronic/ Electrical repair shops involved in collection of E-waste registration under process in MC Jhajjar/ Bahadurgarh.
6	Awareness and Education	<ul style="list-style-type: none"> <li>• This office is organizing regular awareness programmes regarding collection and disposal of e-waste among stakeholders</li> </ul>	<ul style="list-style-type: none"> <li>• Conducting of special workshops and awareness campaigns through Producers/PROs</li> <li>• Dissemination of information about collection centres established in the District website.</li> </ul>	<ul style="list-style-type: none"> <li>• HSPCB</li> <li>• MC Jhajjar</li> <li>• MC, Bahadurgarh</li> <li>• DIO, Jhajjar</li> <li>• DDPO/ CEO, ZP</li> </ul>	• 31.08.2023	It is an on-going process.

### 3.0 Air Quality Management

#### a. Current Status related to Air Quality Management:

There are total 1013 No. of industries existing in District Jhajjar and out of which 778 No. of industries are emitting Air Pollutants which mainly includes the brick kilns, , thermal power plant, Dyeing, lead recycler, hot mix plant, electroplaters, used oil refiners, glass bottle, ceramic tiles, plywood etc. All the units had installed the Air Pollution Control Devices such as Multicyclone Separators, Wet Scrubbers, Electro Statics Precipitator and HSPCB is regularly monitoring the working of APCD by the way of conducting monthly mandatory inspections of these industries.

The detail of such Industries emitting air pollutants, having obtained consent to operate under Air Act 1981 from HSPCB is given as follows:-

Categories	Numbers of Industries
Red	171
Orange	752
Green	90
Total	1013

Details of Data Requirement	Present Status																		
Number of Automatic Air Quality monitoring stations (CAAQMS) in the district. - Operated by SPCB / State Govt / Central govt./ PSU agency: - Operated by Industry:	01  01  0																		
Number of manual monitoring Stations operated by SPCBs	2																		
Name of towns / cities which are failing to comply with national ambient air quality stations	Nil																		
No of air pollution industries	778																		
Prominent air polluting sources [Large Industry] / [Small Industry] / [Unpaved Roads] / [Burning of Waste Stubble] / [Brick Kiln] / [Industrial Estate] / [Others] (Multiple selection)	<p>In the District there are 06 industrial estates:-</p> <ol style="list-style-type: none"> <li>I. Modern Industrial Estate, MIE-A</li> <li>II. Modern Industrial Estate, MIE-B</li> <li>III. Old Industrial Area</li> <li>IV. Ganpati Dham Industrial Area</li> <li>V. HSIIDC, Sector-16,17 &amp; 4B</li> <li>VI. Model Economic Township, Jhajjar</li> </ol> <p>Moreover, the major air polluting sectors in the District are as under:-</p> <table border="1" data-bbox="954 1121 1458 1640"> <thead> <tr> <th>Sector</th> <th>No. of Industries</th> </tr> </thead> <tbody> <tr> <td>Distillery</td> <td>01</td> </tr> <tr> <td>Thermal Power Plant</td> <td>02</td> </tr> <tr> <td>Cement Industries</td> <td>4</td> </tr> <tr> <td>Used oil refiners</td> <td>14</td> </tr> <tr> <td>Textile industries ( Dyeing and Printing)</td> <td>14</td> </tr> <tr> <td>Lead Recycler</td> <td>11</td> </tr> <tr> <td>Hot Mix Plant</td> <td>19</td> </tr> <tr> <td>Brick Kiln</td> <td>411</td> </tr> </tbody> </table> <p>As one of the major contributor of air pollution in the district is stubble burning in Wheat harvesting season. In the district during the year 2020 special emphasis on making farmer aware about harmful effects of stubble on crops, soil health, human</p>	Sector	No. of Industries	Distillery	01	Thermal Power Plant	02	Cement Industries	4	Used oil refiners	14	Textile industries ( Dyeing and Printing)	14	Lead Recycler	11	Hot Mix Plant	19	Brick Kiln	411
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Brick Kiln	411																		

	<p>beings in long &amp; short term by organizing awareness camps, gram sabha at village, block &amp; district level was given. For the last two year Govt. has promoted special implements on subsidy for preventing stubble burning through customer hiring centers. Farmers can purchase bailer, ray hake, DSR machine, super seeder, zero drill machine, mulcher, laser land leveler etc through Agricultural Department on subsidy.</p>
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b. Identification of gaps and Action Plan																																																																																									
S. No.	Action points	Indicative Action Plan					Responsible agency	Timeline for completion of action plan	Current status																																																																																
1.	Identification of prominent air polluting sources?	<ul style="list-style-type: none"> <li>Air polluting industries mainly includes the brick kilns, , thermal power plant, Dyeing, lead recycler, hot mix plant, electroplaters, used oil refiners, glass bottle, ceramic tiles, plywood etc. All the units had installed the Air Pollution Control Devices such as Multi cyclone/ cyclone/Wet Scrubbers/ Separators.</li> <li>All of these industries have installed required APCD.</li> <li>No gap</li> </ul>					HSPCB	Yes, 100% Target achieved	No gap.																																																																																
2.	Ambient Air quality data?	<ul style="list-style-type: none"> <li>01 no. of CAAQMS and 02 nos. manual Ambient Air Quality Monitoring Station installed in District Jhajjar and the real time data is being pushed to CPCB Central Server @ <a href="https://cpcb.nic.in">https://cpcb.nic.in</a> and the calculated AQI is also available in Public Domain @ <a href="https://hspcb.gov.in">hspcb.gov.in</a>. The average data of Ambient Air Quality for last 06 month is given below.</li> <li>No gap</li> </ul>					HSPCB	Yes, 100% Target achieved	No gap.																																																																																
<b>Continuous Ambient Air Quality Monitoring Report</b> <table border="1"> <thead> <tr> <th>Parameters/U</th> <th>NO</th> <th>NO<sub>2</sub></th> <th>NO<sub>x</sub></th> <th>NH<sub>3</sub></th> <th>SO<sub>2</sub></th> <th>CO</th> <th>O<sub>3</sub></th> <th>PM<sub>2.5</sub></th> <th>PM<sub>10</sub></th> </tr> <tr> <th>Months</th> <th>µg/m<sup>3</sup></th> <th>µg/m<sup>3</sup></th> <th>ppb</th> <th>µg/m<sup>3</sup></th> <th>µg/m<sup>3</sup></th> <th>mg/m<sup>3</sup></th> <th>µg/m<sup>3</sup></th> <th>µg/m<sup>3</sup></th> <th>µg/m<sup>3</sup></th> </tr> </thead> <tbody> <tr> <td>Sept-22</td> <td>13.32</td> <td>48.48</td> <td>16.17</td> <td>45.49</td> <td>6.54</td> <td>1.84</td> <td>9.53</td> <td>131.70</td> <td>176.98</td> </tr> <tr> <td>Oct-22</td> <td>20.25</td> <td>35.08</td> <td>16.94</td> <td>56.23</td> <td>24.57</td> <td>1.40</td> <td>13.85</td> <td>122.11</td> <td>204.94</td> </tr> <tr> <td>Nov-22</td> <td>8.33</td> <td>25.02</td> <td>10.10</td> <td>64.86</td> <td>24.71</td> <td>1.22</td> <td>23.32</td> <td>93.13</td> <td>199.73</td> </tr> <tr> <td>Dec-22</td> <td>3.09</td> <td>12.44</td> <td>6.28</td> <td>47.72</td> <td>38.13</td> <td>0.68</td> <td>43.76</td> <td>94.26</td> <td>198.10</td> </tr> <tr> <td>Jan-23</td> <td>3.00</td> <td>22.72</td> <td>15.69</td> <td>46.28</td> <td>41.61</td> <td>0.93</td> <td>77.16</td> <td>138.82</td> <td>244.98</td> </tr> <tr> <td>Feb-23</td> <td>2.86</td> <td>14.31</td> <td>6.16</td> <td>41.94</td> <td>7.15</td> <td>0.48</td> <td>43.67</td> <td>60.13</td> <td>139.90</td> </tr> </tbody> </table>										Parameters/U	NO	NO <sub>2</sub>	NO <sub>x</sub>	NH <sub>3</sub>	SO <sub>2</sub>	CO	O <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>	Months	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	Sept-22	13.32	48.48	16.17	45.49	6.54	1.84	9.53	131.70	176.98	Oct-22	20.25	35.08	16.94	56.23	24.57	1.40	13.85	122.11	204.94	Nov-22	8.33	25.02	10.10	64.86	24.71	1.22	23.32	93.13	199.73	Dec-22	3.09	12.44	6.28	47.72	38.13	0.68	43.76	94.26	198.10	Jan-23	3.00	22.72	15.69	46.28	41.61	0.93	77.16	138.82	244.98	Feb-23	2.86	14.31	6.16	41.94	7.15	0.48	43.67	60.13	139.90
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District Environment Plan [Jhajjar District]

	<b>Marc h-23</b>	6.07	19.27	10.68	49.57	5.54	0.43	22.75	42.31	84.08	
	<b>April-23</b>	13.92	32.12	23.96	77.07	5.51	0.60	27.42	41.23	79.05	
	<b>May-23</b>	12.67	40.35	28.81	41.63	2.11	0.56	23.86	30.19	59.95	
	<b>Mini mum</b>	2.86	12.44	6.16	41.63	2.11	0.43	9.53	30.19	59.95	
	<b>Maxi mum</b>	20.25	48.48	28.81	77.07	41.61	1.84	77.16	138.82	244.98	
	<b>Aver age</b>	9.28	27.75	14.98	52.31	17.32	0.91	31.70	83.76	154.19	
3.	Setting up of Continuous Ambient Air Quality Monitoring Station	<ul style="list-style-type: none"> <li>Presently 01 no. CAAQMS has been installed at Civil Secretariat, Bahadurgarh and 02 no. manual AAQMS have been installed at (i) Regional Office, HSPCB, Bahadurgarh (ii) M/s M.G. Pet Pvt. Ltd. Beri-Kalanour Road, Vill-Bhutyian, Tehsil-Beri, Distt. Jhajjar.</li> <li>Further as per the recommendation of NGT Monitoring Committee the possibilities for installation of additional CAAQMS will be explored based upon technical study of eligible agency.</li> </ul>					--	<ul style="list-style-type: none"> <li>Study by 31.12.2023</li> </ul>	New timeline be given as it is under process		
4.	District Level Action Plan for Air Pollution	<p>All the air polluting industries in the district have provided the air pollution control measures however the ambient air quality is consistently non confirming with the National Ambient Air Quality Standards. The other factors identified and need eradication and improvement are as under;-</p> <ol style="list-style-type: none"> <li>1. Stubble burning is one of the major factor and for this the crop diversifications being adopted Mera Pani Meri Virasat Scheme under crop Diversification is a ongoing scheme of 2026 acres area diversified from Paddy to Alternate crops under MPMV scheme.</li> <li>2. Awareness Among farmers for In-Situ and Ex-Situ management of stubble burning with use of CRM machinery .</li> <li>3. No AFL reported in current year till today.</li> </ol>					DDA Agricultural,	31.12.2023	It is an on-going process.		

		<p>4. 35 no. of village level camps already organized in Paddy growing villages.</p> <p>5. 20 No. of wall painting done for control of stubble burning.</p> <p>6. 10 no. of Hoardings displayed at prominent places of Distt. Jhajjar.</p> <p>7. Awareness among Farmers for In-Situ &amp; Ex-Situ management of stubble burning with use of CRM machinery and the details of subsidized machinery given to the farmers during last. In all the paddy growing village (182) awareness camps have organized to create awareness among the farmers regarding ill effect of residue burning. Farmers have also sensitized about the in situ and Ex Situ management of crop residue.</p>			
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**Detail of Implements provided under CRM scheme during last three years in Distt. Jhajjar**

Sr. No	Implemen ts	CHC 2018 -19	CHC 2019 -20	CHC 2020 -21	CHC 2021- 22	CHC 2022- 23	Individual 2018-19	Individual 2019-20	Individual 2020-21	Individu al 2021- 22	Individual 2022-23
1	Happy Seeder	29	18	01	-	-	05	02	01	-	-
2	M.B. Plough	19	08	12	14	-	06	05	04	-	-
3	Mulcher	4	08	06	01	-	03	01	12	-	-
4	Chhoper	25	13	16	09	-	0	05	36	-	-
5	Rotary Shalsher	-	-	-	02	-	-	-	-	-	-
6	Rotator	24	14	0	-	-	35	54	560	-	-
7	Shurab Master	-	-	-	-	-	-	-	-	-	-
8	Super SMS	-	-	-	01	-	-	-	-	01	03
9	Zero Drill	33	14	24	23	-	43	77	103	71	17
10	Super Seeder	0	-	24	24	-	0	0	146	216	101
11	Bailer Machine	-	-	-	01	-	-	-	-	01	-
12	Straw Rake	-	-	-	-	-	-	-	-	-	01

13	Crop Reaper	-	-	-	06	-				-	02		
	Total	134	85	83	81		92	144	862	289	124		
<b>Custom Hiring Centre (CHC) Established during last 3 year in Distt. Jhajjar.</b>													
<b>Sr. No.</b>		<b>Year</b>				<b>No. Established</b>							
1		2018-19				24							
2		219-230				14							
3		2020-21				24							
4		2021-22				24							
5		2022-23				-							
<b>Total</b>						<b>86</b>							
<b>Subsidy Disbursed during last three years</b>													
<b>Subsidy Disbursed during last three years</b>													
<b>Sr. No.</b>		<b>Year</b>				<b>Subsidy in Rs.</b>							
1		2018-19				-							
2		2019-20				16082824							
3		2020-21				59592091							
4		2021-22				33750268							
5		2022-23				12450232							
			1) Construction of Paved shoulders along the roads and improvement of existing quality of roads for dust containment.				HSPCB, DSP, Traffic RTA			31.12.2023		New timeline be given as it is an on-going process.	
			2) Challaning of over loaded transport vehicles.				MC Jhajjar & Bahadurgarh MC, Jhajjar & Bahadurgarh ,			31.12.2023			
			3) Ensuring the transport of construction material with proper covering.				DFO, Jhajjar PWD, Jhajjar			31.12.2023			
			4) Ensuring the PUC certificate with the vehicles and challaning for the same.							31.12.2023			
			5) Find the way out for CNG station setup in the District.							31.12.2023			
			6) Ensuring the non plying of vehicles where in registration is expired and non renewable.							31.12.2023			
			7) Exploring the possibility of supplying cleaner fuel to the air polluting							31.12.2023			

		<p>industrial cluster.</p> <p>8) Periodic Up-gradation of Air Pollution Control Devices (APCDs) installed in air polluting industries.</p> <p>9) Afforestation drives for industries/ Villages/MC areas/Industrial Area/ institutions/parks/industrial estates/ road sides and river bank.</p> <p>10) Awareness activity among the public.</p> <p>11) Monitoring on vehicle fitness. Periodic calibration test of vehicular emission monitoring instrument.</p>		<p>31.12.2023</p> <p>31.12.2023</p> <p>31.12.2023</p>	
5.	Hotspots of air pollution in District	<p>The hotspots of air pollution in the area and measures to curb the same.</p> <p>1. Identification and Restriction of Industrial Waste burning in MIE-A &amp; B, Old Industrial Area, Ganpati Dham Industrial Area, HSIIDC Sector-16, 17 &amp; 4B.</p> <p>2. Identification and Restriction on open burning of municipal solid waste, Biomass, plastic, horticulture waste, garbage etc.</p> <p>3. Identification and Curbing of stubble burning.</p> <p>4. Identification and Restriction on the use of illegal fuels in the Industries.</p>	<ul style="list-style-type: none"> <li>• DFO, Jhajjar</li> <li>• DDA Agricultural,</li> <li>• MC, Jhajjar &amp; Bahadurgarh</li> <li>• Estate Manager , HSIDC Bahadurgarh</li> <li>• HSPCB</li> </ul>	31.12.2023	It is an on-going process.
6.	Awareness on Air Quality	<p>The real time data generated by 01 no. of CAAQMS installed in District, Jhajjar is being pushed to CPCB Central Server and hence the calculated AQI is available in Public Domain through CPCB Sameer App and HSPCB/CPCB Website. Further awareness campaign will be conducted in association with industrial associations, Educational Institutions and NGOs</p>	<ul style="list-style-type: none"> <li>• HSPCB</li> </ul>	31.12.2023	It is an on-going process.

#### 4.0 Water Quality Management

Water quality management is a commonly used and somewhat vague expression referring to the (systematic) usage of a set of technical and non-technical measures and activities, to maintain or improve quality according to the requirements of water uses and to "protect" ecosystems.

#### 4.1 Water Quality Monitoring

Water quality monitoring is being done from 04 Location in Jhajjar District for Ground Water on six monthly basis while from 03 no of locations for Drains on Monthly Basis.

**Latest results of ground water quality are as below:**

Sr . N o.	Point of Ground Water Samples	Date of collection	ph (5.5-9.0)	SS (mg/l) (100)	BOD mg/l (100)	COD (mg/l) (400)	Ammo nical Nitrogen (as N) mg/l	Total Disso lved Solid s (mg/l)	Fluorid e (as F) mg/l
1.	Handpump in front of Mini Secretariat Jhajjar	08.06.2023	7.6	18	ND	ND	ND	510.0	ND
		31.12.2022	7.8	24	ND	ND	ND	496.0	ND
2.	Handpump opposite M/s Somany Ceramics Sector-16, HSIIDC, Bahadurgarh	08.06.2023	7.8	86	ND	ND	ND	814.0	ND
		31.12.2022	7.6	76	ND	ND	ND	862	ND
3.	Borewell of M/s Hotel Teej, Near BCCI Office, MIE-A, Bahadurgarh	08.06.2023	8.2	25	ND	ND	ND	5968	ND
		31.12.2022	8.1	26	ND	ND	ND	6248	ND
4.	Handpump near M/s Thakkar Chemical, Delhi-Rohtak Road, Vill-Jakhoda, Bahadurgarh	08.06.2023	8.2	18	ND	ND	ND	432	ND
		31.12.2022	8.1	24	ND	ND	ND	418	ND

**Latest results of water quality monitored from 3 no of locations for Drains and River on Monthly Basis are as below:**

Sr. No.	Code	Point of Drains & Rivers Water Samples	Date of collection	ph (5.5-9.0)	TSS (mg/l) (100)	BOD mg/l (30)	COD (mg/l) (250)	Dissolved Oxygen (as O <sub>2</sub> ) mg/l	Faecal Coliform MPN/100ml
1.	BDH-RDQ-001	Entry point of Mungeshpur drain in Delhi Territory, back side of Sainik School, Bypass, Bahadurgarh, Distt. Jhajjar	01.05.2023	8.2	78.0	35.0	112.0	5.8	280000
			30.04.2023	8.2	124.0	37.5	119.04	5.2	150000
2.	BDH-RDQ-002	Entry point of KCB drain in Delhi Territory, Near MCD Toll Tax point, VPO-Lowa Siddhipur, Distt. Jhajjar	01.05.2023	7.9	74.0	34.0	104.0	5.3	280000
			30.04.2023	8.4	130.0	35.0	142.84	5.7	130000
3.	BDH-RDQ-003	Entry point of Drain No. 8 in Delhi Territory, Near Dhansa Store of Executive Engineer, Irrigation & Flood Control Deptt. of Delhi Govt., VPO-Lohat, Distt. Jhajjar	01.05.2023	8.0	28	25.0	88	5.9	80000
			30.04.2023	8.0	78.0	27.0	103.16	4.6	170000

**a. Current Status related to Water Quality Management**

Details of Data Requirement	Present Status
Rivers	The district Jhajjar does not falls in the direct catchment area of River Yamuna.
Length of Coastline(if any)	Nil

Nalas/Drains/Creeks meeting Rivers	<p>There are 03 major drains which are being used for the disposal of domestic effluent generated in District Jhajjar. These drains confluences in Najafgarh drain which ultimately reaches River Yamuna.</p> <ol style="list-style-type: none"> <li>1. BDH-RDQ-001 Entry point of Mungeshpur Drain in Delhi Territory, back side of Sainik School, Bahadurgarh, Distt. Jhajjar</li> <li>2. BDH-RDQ-003 Entry points of Drain No. 8 in Delhi Territory, VPO- Lohat, Near Dhansa Store of Executive Engineer, Irrigation &amp; Flood Control Deptt. of Delhi Govt., VPO-Lohat, Distt.Jhajjar.</li> <li>3. BDH-RDQ-002 Entry points of KCB drain in Delhi Territory, Near MCD Toll Tax point, VPO-Lowa Siddhipur, Distt.Jhajjar.</li> </ol>
Lakes/Ponds	Presently 996 no of Ponds available in Villages and 14 No of ponds available in MC area. Moreover, 01 no. Bhindawas lake is also present in the jurisdiction of District Jhajjar.
Total Quantity of sewage from towns and cities in District	24.5 MLD]
Quantity of industrial waste water	[3.5 MLD]
Percentage of untreated sewage	[19 % approx.]
Details of bore wells and number of permissions given for extraction of ground water	--
Ground water polluted areas if any	--
Polluted river stretches if any	--

**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	Current Status

1.	Inventory of water bodies	<ul style="list-style-type: none"> <li>• Identification and inventorization of water bodies already done in District Jhajjar. Further water quality of such bodies is being monitored on monthly basis by respective agencies.</li> <li>• There are 03 major drains which are being used for the disposal of domestic effluent generated in District Jhajjar. These drains confluences in Najafgarh drain which ultimately reaches River Yamuna.</li> </ul> <ol style="list-style-type: none"> <li>1. BDH-RDQ-001 Entry point of Mungeshpur Drain in Delhi Territory, back side of Sainik School, Bahadurgarh, Distt. Jhajjar</li> <li>2. BDH-RDQ-003 Entry points of Drain No. 8 in Delhi Territory, VPO-Lohat, Near Dhansa Store of Executive Engineer, Irrigation &amp; Flood Control Deptt. of Delhi Govt., VPO-Lohat, Distt.Jhajjar.</li> <li>3. BDH-RDQ-002 Entry points of KCB drain in Delhi Territory, Near MCD Toll Tax point, VPO-Lowa Siddhipur, Distt.Jhajjar.</li> </ol>	<ul style="list-style-type: none"> <li>• HSPCB,</li> <li>• Irrigation,</li> <li>• Pond Authority,</li> <li>• CEO Zila Parishad,</li> <li>• MCP</li> <li>• MC Jhajjar, Bahadurgarh</li> <li>• PHED, Jhajjar</li> </ul>	31.12.2023	New timeline be given as it is an on-going process.
		07 nos. Ponds have been identified for rejuvenations in MC Beri, DPR for 03 nos. of ponds as per CM announcement has already been prepared & sent to DULB Panchkula for approval. DPR for remaining 04 nos. Ponds is also pending in DULB Panchkula.	<ul style="list-style-type: none"> <li>• MC Jhajjar</li> </ul>	31.12.2023	
		996 no of ponds are available in the villages which are identified for rejuvenation and proposal is under process Bhindawas lake is only lake in distt. Jhajjar.	<ul style="list-style-type: none"> <li>• DDPO/CEO ZP</li> </ul>	31.12.2023	Out of total 1022 ponds, 422 ponds are polluted and the phase wise action plan for rejuvenation of these ponds has been sent to HPWWMA for approval by the concerned

District Environment Plan [Jhajjar District]

					department.
2.	Quality of water bodies in the district	Dissemination of the information pertaining to water quality in the form of hoardings on river banks, official websites of district administration will be done.	<ul style="list-style-type: none"> <li>• Municipal Committee, Jhajjar</li> <li>• Municipal Council Bahadurgarh</li> <li>• DIO, Jhajjar</li> </ul>	31.12.2023	It is an on-going process
3.	Hotspots of water contamination	No such hotspot of water contamination has been identified, however the regular monitoring of water quality will be done by the concerned department.	<ul style="list-style-type: none"> <li>• Municipal Committee, Jhajjar</li> <li>• Municipal Council Bahadurgarh</li> </ul>	Regular activity.	No gap.
4.	Protection of river/ lake water front a.Drains/ nallahs within Municipal limits (Responsibility of Municipality/ MC) b.Drains/nallahs outside Municipal limits (Responsibility of Rural development & Panchayat department	District Jhajjar has already been declared free from open defecation. Further dumping of Solid waste on river banks shall be prohibited and ensured so that no such dumping happen and also existing dumping if any will be cleared. Also idol immersion in water bodies shall be monitored and prohibited during various festive seasons throughout the year.  Further Prevention of entering of solid waste into water bodies shall be ensured throughout the District	<ul style="list-style-type: none"> <li>• MC Bahadurgarh</li> <li>• MC Jhajjar,</li> <li>• Irrigation Deptt, Jhajjar</li> <li>• HSPCB</li> <li>• Police Deptt,</li> </ul>	31.12.2023	No gap.
5.	Inventory of sources of water pollution	Sewage and wastewater discharge points into water bodies already stand identified and under action for tapping of such points.	<ul style="list-style-type: none"> <li>• Irrigation deptt., Jhajjar</li> <li>• MC Bahadurgarh</li> <li>• MC Jhajjar,</li> <li>• PHED, Jhajjar</li> <li>• HSIIDC, Bahadurgarh</li> <li>• XEN, Panchayati Raj</li> <li>• HSPCB</li> </ul>	31.12.2023	New timeline be given as work is going on under AMRUT yojna. Panchayati Raj Deptt. has identified 34 no. of villages as water polluting sources and the action plan for mitigation from these sources has been sent for

					approval.
6.	Oil spill disaster management (for coastal districts)	Not applicable	NA	NA	NA
7.	Protection of flood plains	As per Irrigation and Panchayat Department village Asuadha, Soldha, Luksar, Gangadva, Matan, Chhinoli are prone to flood as they are situated on the banks of KCB drain. The strengthening of weak points on the bank of drains has already been executed in the flood prone areas.	Irrigation Deptt, CEO, ZP, DDPO.	Regular activity	It is an on-going process.
8.	Rejuvenation of ground water	Inventorization for the Rain water harvesting will be carried out. Action plan for possible rain water harvesting system will be executed. 3 nos. of rain water harvesting system in MC Jhajjar, 5 nos. of rain water harvesting system in MC Bahadurgarh, 2 nos. of rain water harvesting system in MC Beri, have already been installed. Moreover, other departments are also in process of installation of rain water harvesting system.	<ul style="list-style-type: none"> <li>• Irrigation Deptt.</li> <li>• MC Bahadurgarh</li> <li>• MC Jhajjar,</li> <li>• PHED,</li> <li>• HSVP Deptt,</li> <li>• HSIIDC,</li> <li>• XEN, Panchayati Raj</li> <li>• PWD Deptt. Jhajjar</li> </ul>	Regular activity	PR deptt. Jhajjar has already installed 20 no. of rain water harvesting structures and proposal for 37 more has been submitted.
9.	Complaints redressal system	CM Grievances Redressal and Monitoring System, Haryana is available for lodging any public complaint. Moreover Social Media Grievance track (SMGT) is also working in the District. District Public Relation and Grievance Redressal Committee is also working on public grievances. Moreover, telephone numbers of all the officer of HSPCB and other concerned departments are provided in the public domain for direct complaint redressal of the public.	<ul style="list-style-type: none"> <li>• HSPCB and other concerned departments</li> </ul>	<ul style="list-style-type: none"> <li>• Regular activity</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>

#### 4.2 Domestic Sewage

**a. Current status related to Domestic Sewage Management in the District**

In District Jhajjar , Haryana, total sewage generation is around 24.75 MLD and there are 06 Sewage Treatment Plants at a total capacity of 76.5 MLD are in operation at all Municipalities and Towns.

CPCB and HSPCB have periodically issued directions to the urban/ local bodies to setup Sewage Treatment Plants (STPs) of adequate capacity including provision for sewerage system to cover the entire local/urban areas and the treated effluent to comply with the standards in order to prevent deterioration of surface, sub-surface and coastal waters.

The treated sewage, after ensuring that the prescribed standards for core parameters are met are either used for irrigation or let into water bodies.

As per Hon"ble NGT order dated 27.11.2018 in OA No.148/2018 directed that all the States and Union Territories ought to prepare and furnish their action plans for utilization of treated sewage is given below.

Details of Data Requirement	Present Status
No of Class-II towns and above	[1 Nos]
No of Class-I towns and above	[1 Nos]
No of Towns STPs installed	[03 Nos] [Beri, Bahadurgarh, Jhajjar]
No of Towns needing STPs	[1 Nos] [Badli]
No of ULBs having partial underground Sewerage network	[ 3 Nos][Beri, Bahadurgarh, Jhajjar]
No of towns not having sewerage network	[01 Nos] [Badli]
Total Quantity of Sewage generated in District From Class II cities and above	[24.5 MLD]
Quantity of treated sewage flowing into Rivers(directly or indirectly)	[24.5MLD]
Quantity of untreated or partially treated sewage(directly or indirectly)	[19.43 MLD]
Quantity of sewage flowing in to lakes	[00 MLD]
Total available Treatment Capacity	[76.5 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	Current Status

1.	Sewage Treatment Plants (STPs)	<ul style="list-style-type: none"> <li>5 MLD capacity STP (approx. 3.25 MLD effluent generation) at Jhajjar installed by PHED is non-complying w.r.t. the discharge standards.</li> </ul>	<ul style="list-style-type: none"> <li>PHED Jhajjar</li> <li>MC Jhajjar</li> </ul>	<ul style="list-style-type: none"> <li>No action plan is submitted by PHED regarding upgradation of the STP.</li> </ul>	<p>The proposal for tapping sewage and waste water discharge point into Jhajjar link drain have been already identified and the proposal for diverting water from these points to sewage treatment plant is being prepared under AMRUT 2.0 by 31.12.2024.</p>
		<ul style="list-style-type: none"> <li>5.5 MLD capacity STP (approx. 3.75 MLD effluent generation) at Jhajjar installed by PHED is non-complying w.r.t. the discharge standards.</li> </ul>	<ul style="list-style-type: none"> <li>PHED Jhajjar</li> <li>MC Jhajjar</li> </ul>	<ul style="list-style-type: none"> <li>No action plan is submitted by PHED regarding upgradation of the STP.</li> </ul>	<p>The proposal for tapping sewage and waste water discharge point into Jhajjar link drain have been already identified and the proposal for diverting water from these points to sewage treatment plant is being prepared under AMRUT 2.0 by 31.12.2024.</p>
		<ul style="list-style-type: none"> <li>18 MLD capacity STP (approx. 8.0 MLD effluent generation) at Bahadurgarh installed by PHED is non-complying w.r.t. the discharge standards.</li> </ul>	<ul style="list-style-type: none"> <li>PHED Bahadurgarh</li> <li>MC Bahadurgarh</li> </ul>	<ul style="list-style-type: none"> <li>As per PHED the work has been allotted to agency vide EE, PHED Bahadurgarh letter no. 6836 dt. 24.08.2021 on Design Build Own Operate (DBOO) basis which will commence from 31.3.2025.</li> </ul>	<p>The proposal for tapping sewage and waste water discharge point into Jhajjar link drain have been already identified and the proposal for diverting water from these points to sewage treatment plant is being prepared under AMRUT 2.0 by 31.12.2024.</p>
		<ul style="list-style-type: none"> <li>36 MLD capacity STP (approx. 10 MLD effluent generation) at Bahadurgarh installed by PHED is complying w.r.t. the discharge standards</li> </ul>	<ul style="list-style-type: none"> <li>PHED Bahadurgarh</li> <li>MC Bahadurgarh</li> </ul>	<ul style="list-style-type: none"> <li>36 MLD STP is working as per prescribed norms of Hon'ble NGT and CPCB/HSPCB.</li> </ul>	<p>36 MLD STP is working as per prescribed norms of Hon'ble NGT and CPCB/HSPCB.</p>

		except fecal coliform.			
		<ul style="list-style-type: none"> <li>10 MLD capacity STP (approx. 03 MLD effluent generation) at Sec-36, Bahadurgarh installed by HSVP is non-complying w.r.t. the discharge standards.</li> </ul>	<ul style="list-style-type: none"> <li>HSV, Bahadurgarh</li> <li>MC Bahadurgarh</li> </ul>	<ul style="list-style-type: none"> <li>Work completed</li> </ul>	10.0 MLD STP is working as per prescribed norms of Hon'ble NGT and CPCB/HSPCB.
		<ul style="list-style-type: none"> <li>02 MLD Oxidation pond (approx. 1.5 MLD effluent generation) at Beri installed by PHED is non-complying w.r.t. the discharge standards.</li> </ul>	<ul style="list-style-type: none"> <li>PHED, Beri</li> <li>MC Beri</li> </ul>	<ul style="list-style-type: none"> <li>Work completed</li> </ul>	2.0 MLD STP is working as per prescribed norms of Hon'ble NGT and CPCB/HSPCB.
2.	Underground sewerage network	<ul style="list-style-type: none"> <li>Jhajjar has 97% coverage w.r.t. sewer line as 95 KM sewage line has already been laid in Jhajjar. However, it has proposed 3 KM of Sewage Line for 100% coverage of the Jhajjar.</li> </ul>	<ul style="list-style-type: none"> <li>PHED Jhajjar</li> <li>MC Jhajjar</li> </ul>	<ul style="list-style-type: none"> <li>31.03.2024.</li> </ul>	The proposal for tapping sewage and waste water discharge point into Jhajjar link drain have been already identified and the proposal for diverting water from these points to sewage treatment plant is being prepared under AMRUT 2.0 by 31.12.2024.
		<ul style="list-style-type: none"> <li>Bahadurgarh has almost 60% coverage w.r.t. sewer line as 60 KM sewage line has already been laid in Bahadurgarh. However, MC Bahadurgarh has proposed 51 KM of Sewage Line under AMRUT Yojna for 100% coverage of the Bahadurgarh. Out of these 51 KM, 46.5 KM has already been constructed of which 30 KM sewer line is operational and approx. 4500 new sewer connections are</li> </ul>	<ul style="list-style-type: none"> <li>PHED Bahadurgarh</li> <li>MC Bahadurgarh</li> </ul>	<ul style="list-style-type: none"> <li>31.12.2024</li> </ul>	The proposal for tapping sewage and waste water discharge point into Mungeshpur drain have been already identified and the proposal for diverting water from these points to sewage treatment plant is being prepared under AMRUT 2.0 by 31.12.2024.

		connected with this line.			
		<ul style="list-style-type: none"> <li>Beri has 90% coverage w.r.t. sewer line as 16.5 KM sewage line has already been laid in Beri. However, it has proposed 3.5 KM of Sewage Line for 100% coverage.</li> </ul>	<ul style="list-style-type: none"> <li>PHED Beri</li> <li>MC Beri</li> </ul>	<ul style="list-style-type: none"> <li>31.12.2024</li> </ul>	

## 5.0 Industrial waste water management

### a. Current Status related to Industrial Waste water Management

There are total 602 no. of industries existing in District Jhajjar and out of which 213 No. of industries are generating industrial waste water and engaged in process of wet blue to finished leather, distillery, food processing, ceramic tile manufacturing, glass bottle, dyeing, electroplating, refining of used oil, cleaning of used containers/barrels etc. Further there is a potential of generation of approx. 3.5 MLD of waste water from these industries. The waste water generated is scientifically treated through Effluent Treatment Plants (ETPs) and ETP sludge is being disposed as per the provisions of Hazardous and Other Wastes (M&TBM) Rule 2016 with having agreement either with Gujarat Environment Protection & Infrastructure Ltd. (GEPIL) which is a State level single facility as a Common Hazardous Waste Treatment and Disposal facility located at Village Pali, District Faridabad or through recycler of hazardous waste authorized by HSPCB and HSPCB is regularly monitoring the working of ETPs by the way of conducting monthly mandatory inspections of these industries.

In District Jhajjar, Haryana, total industrial effluent generation is around 3.5 MLD and there are 01 Common Effluent Treatment Plants at a total capacity of 12.5 MLD is in operation in District Jhajjar for the treatment of industrial effluent.

CPCB and HSPCB have periodically issued directions to the HSIIDC to setup 01 Common Effluent Treatment Plant of adequate capacity including provision for industrial effluent cover all the industrial areas and the treated effluent to comply with the standards in order to prevent deterioration of surface, sub-surface and coastal waters.

The treated effluent, after ensuring that the prescribed standards for core parameters are met are either used for irrigation or let into water bodies.

The detail of such Industries generating waste water and having obtained consent to operate under Water Act 1974 and Air Act 1981 and authorization under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 from HSPCB is given as follows:-

Number of Red, Orange, Green and White industries in the District	[171 Nos of Red industries], [752 Nos of Orange industries],[ 90 Nos of Green industries],[Nil Nos of White industries]
No of Industries discharging wastewater	[213 Nos]

Total Quantity of industrial waste water generated	[3.5 MLD]
Quantity of treated industrial waste water discharged into Nalas/ Rivers	[3.5 MLD] [Remarks: Industries are recycling and reusing 0.38 MLD of the effluent after treatment]
Common Effluent Treatment Facilities	[01 Nos]
No of Industries meeting Standards	[ 213 Nos]
No of Industries not meeting discharge Standards	[10 Nos]

**b. Identification of gaps and action plan for industrial waste water:**

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Compliance to discharge norms by Industries	10 no. industries not meeting the discharge standards have been closed and sealed. Further, monitoring of the industries will be conducted as per inspection policy of the Board and action will be taken as per provision of Water Act, 1974	HSPCB	Regular activity
2.	Installation of OCEMS	18 No. of_ industries, 05 No. of STPs, 01 No. of CETP are required OCEMS as per CPCB guidelines and all have installed OCEMS and connected to server of HSPCB and CPCB. Moreover, the data of OCEMS is in the public domain through website <a href="http://www.hspcbcems.nic.in">www.hspcbcems.nic.in</a>	HSPCB	100% target already achieved.
3.	Complaint redressal system	CM Grievances Redressal and Monitoring System, Haryana is available for lodging any public complaint. Moreover Social Media Grievance track (SMGT) is also working in the District. District Public Relation and Grievance Redressal Committee is also working on public grievances.	HSPCB	Regular activity.

## 6.0 Mining Activity Management plan

### a. Current Status related to Mining Activity Management

Details of Data Requirement	Existing Mining operations
Type of Mining Activity	Presently no mining activity is being carried out in District Jhajjar
No of licensed Mining operations in the District	Nil
% Area covered under mining in the District	Nil
Area of Sand Mining	Nil
Area of sand Mining	Nil

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

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Monitoring of Mining activity	<ul style="list-style-type: none"> <li>Presently no mining activity is being carried out in District Jhajjar</li> </ul>	Mining Deptt.	NA
2.	Inventory of illegal mining if any mining	<ul style="list-style-type: none"> <li>Presently no mining activity is being carried out in District Jhajjar</li> </ul>	Mining Deptt.	NA
3.	Environment compliance by Mining industry	Presently no mining activity is being carried out in District Jhajjar	MoEF & CC SEIAA, HSPCB Mining Deptt.	NA

## 7.0 Noise Pollution Management plan

### a. Current Status related to Noise Pollution Management

Environment Department, Government of Haryana vide order dated 5th September, 2003 vide no. S.O. 109/N.P. (R. and C.) R.2000/R.2/2003– “In exercise of the powers conferred by clause (c) of rule 2 of the Noise Pollution (Regulation and control) Rules, 2000, and all other powers enabling him in this behalf and in suppression of Haryana Government, Environment Department, Notification no. S.O. 75 / N.P. (R. and C) R 2000/R 2/2001, dated the 21st May 2001, the Governor of Haryana hereby designates Sub Divisional Magistrate, Deputy Superintendent of Police and Regional Officer, Haryana State Pollution Control board in their respective area of jurisdiction as shown below to be authorities for the purpose of said clause

1. Sub – Divisional Magistrate - Residential Area and religious places.

2. Deputy Superintendent of Police - Noise by automobiles
3. Regional Officer, Haryana State Pollution Control Board - Noise by Industrial units

Details of Data Requirement	Measurable Outcome
No. of noise measuring devices available with various agencies in district	01 No. HSPCB,

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

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Availability of Sound/ Noise Level Meters.	There is only 01 noise monitoring kit available in the district with HSPCB. Further no such monitoring kits are available with other agencies such as ULBs, SHOs, Traffic police. Further, the procurement of monitoring kits shall be made to the above said lacking agencies within defined time frame by respective local district administration and procurement 01 more noise meter by HSPCB.	DSP Traffic, SDM, HSPCB	31.12.2023
2.	Ambient Noise, Level monitoring.	Possibilities of installation of ambient noise level monitoring stations will be explored. Portable analyzers will be provided with the enforcement agencies. The special drives for ensuring the ambient quality standards will be carried out in the residential, sensitive zones. Moreover, HSPCB also conducting the ambient air noise monitoring during festive seasons.	DSP Traffic, SDM, HSPCB	31.12.2023
3.	Signboards in Noise zones	MCs, PWD, NHAI should install the proper signage to earmark the silence zone, no horn zone and noise limits in the city. Hospitals, Schools and other Educational institutions are declared as no horn and silence zones.	MC Bahadurgarh, MC Jhajjar, PWD, NHAI,	31.12.2023

4.	Complaint redressing system	CM Grievances Redressal and Monitoring System, Haryana is available for lodging any public complaint. Moreover Social Media Grievance track (SMGT) is also working in the District. District Public Relation and Grievance Redressal Committee is also working on public grievances.	DSP Traffic, SDM, HSPCB	Regular activity.
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**Other Environmental Issues:**

**a) Management of Solid Waste and Liquid Waste generated from unauthorized colonies /residential complexes/commercial complexes developed by private builders.**

- All the unauthorized colonies /residential complexes/commercial complexes developed by private builders are in MC limits and MC has submitted proposal of the solid waste and liquid waste generated from all 31 nos. wards in the respective head of environmental plan along with time lines.

**b) Management of Carcasses in the rural area :**

- Presently Deep Burial Method is being adopted in the Village panchayats and in MC Area for disposal of the dead animals in district Jhajjar and 01 slaughter house exists in the jurisdiction of District Jhajjar.

**c) Management of solid and liquid waste generated by the poultry farms of the district:**

Presently 04 no of poultry farms existing in the District Jhajjar.

- 1 no of poultry farm is having bird capacity more than 1 lac birds and obtained CTO from the Board.
- 03 no of poultry farm is having bird capacity less than 1 lac birds and does not requires CTO from the Board.
- inventorization of the data w.r.t capacity of poultry farm, quantity of solid waste and waste water generated by these poultry farm will be completed by 31.12.2023 and action plan for the scientific disposal of the solid waste and waste water generated by these poultry farm will be prepared and implemented by 31.12.2023.