



# HARYANA STATE POLLUTION CONTROL BOARD

REGIONAL OFFICE, BAHADURGARH,

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



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Environment

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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:

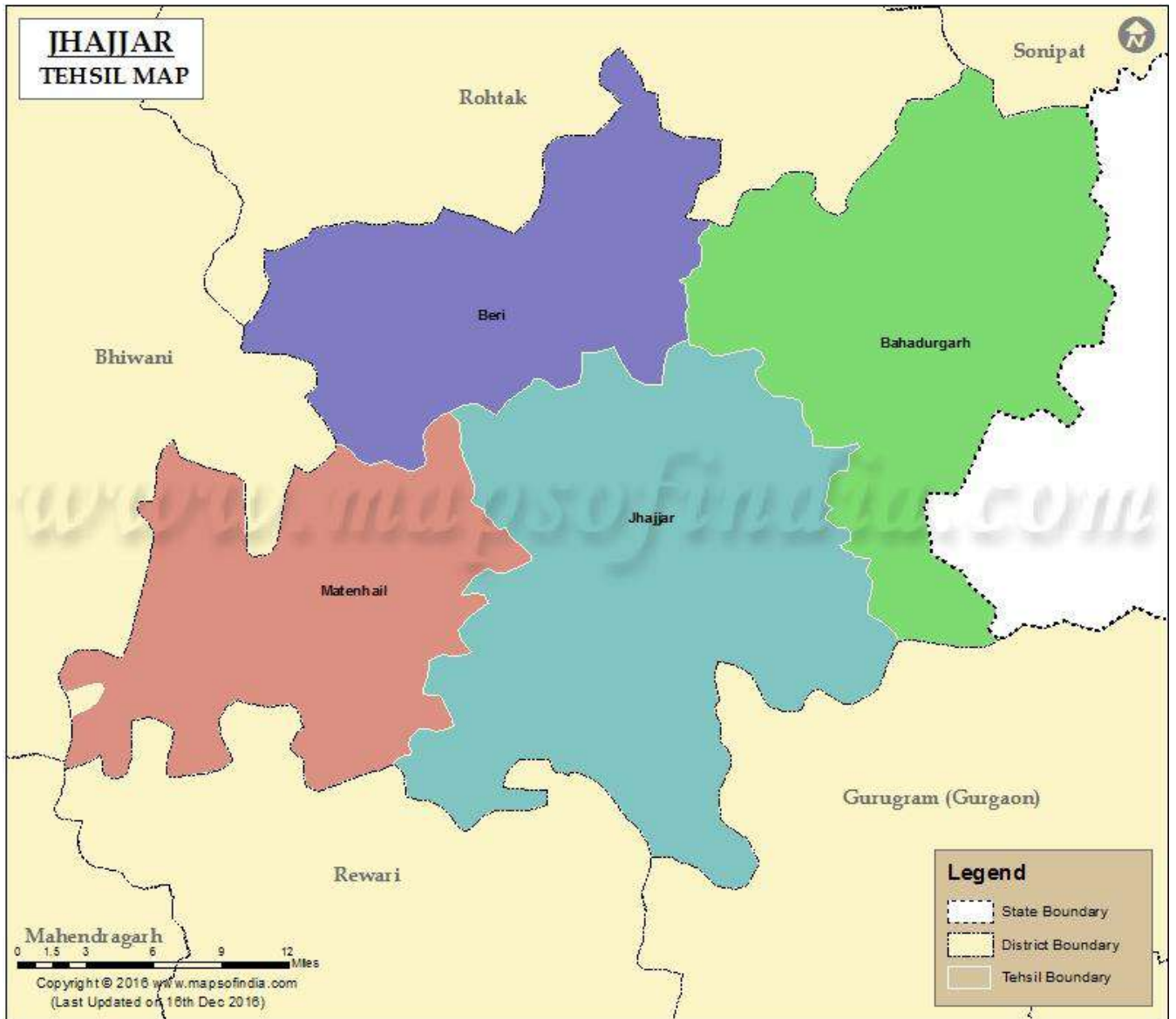
**Endst. No. HSPCB/BDR/2023/**

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

# District Environment Plan for -District Jhajjar Haryana State





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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.

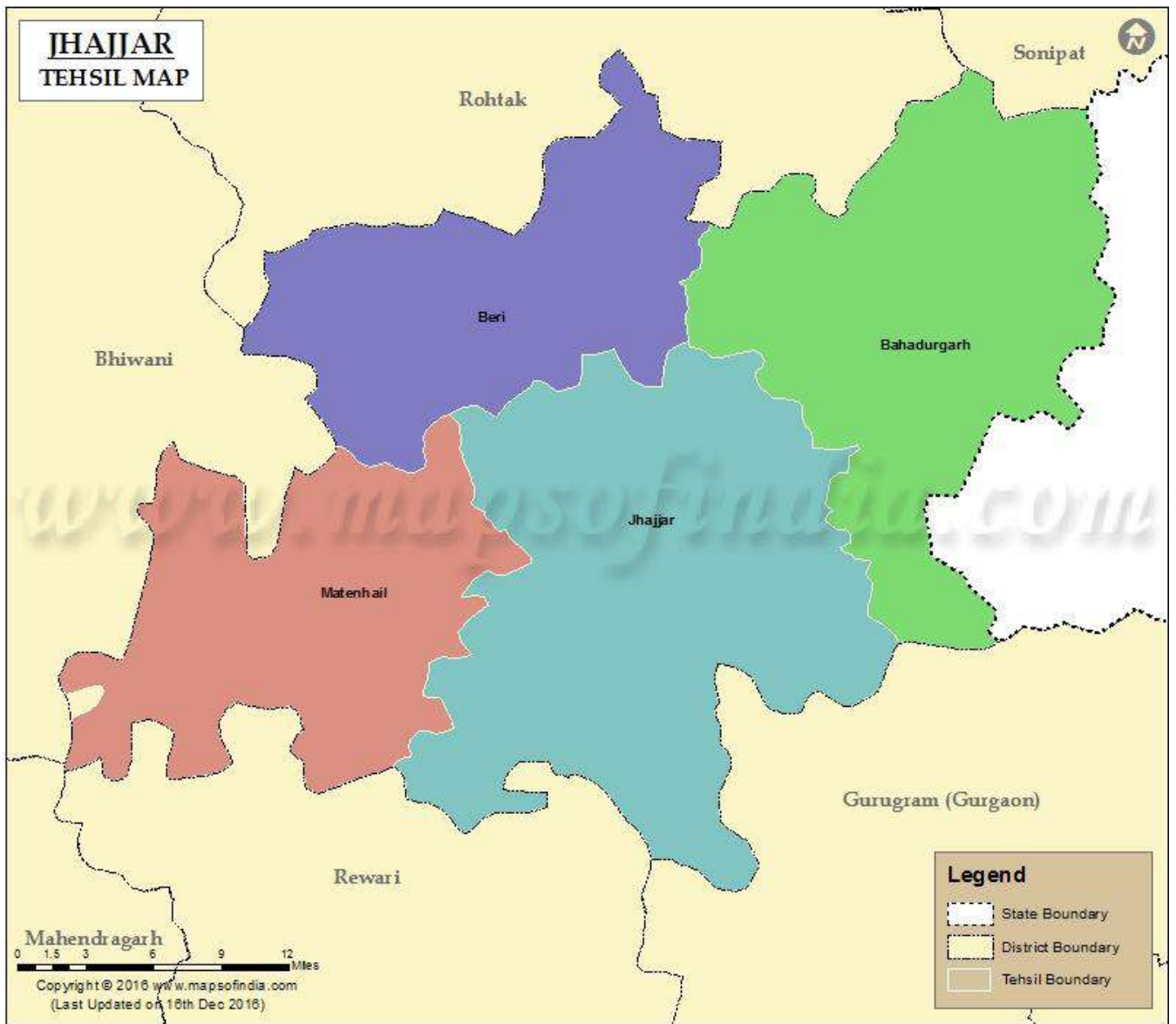
At the time of the [2011 Census of India](#), 98.94% of the population in the district spoke [Hindi](#) and 0.40% [Punjabi](#) as their first language.

### 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.

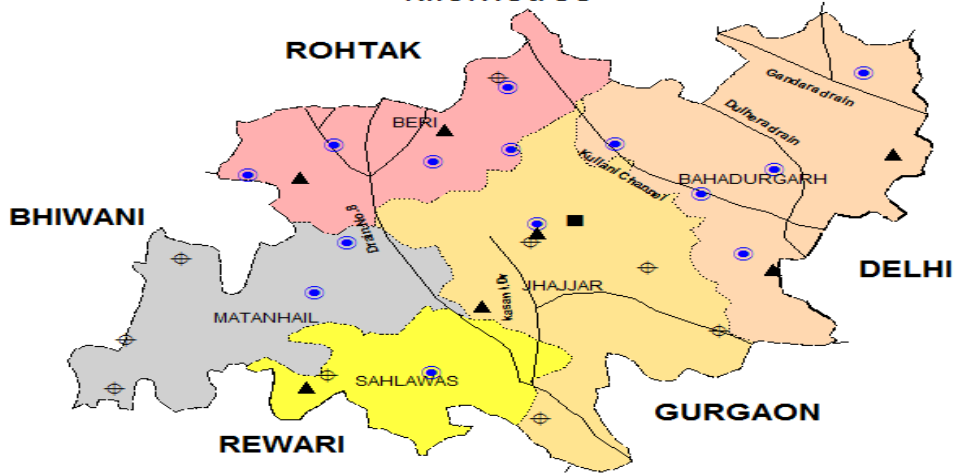


# INDEX MAP

## JHAJJAR DISTRICT, HARYANA



0 15 30  
kilometres



### INDEX

- |   |                       |             |                   |
|---|-----------------------|-------------|-------------------|
| ● | DUG WELL              | — · — · — · | STATE BOUNDARY    |
| ▲ | 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**

Land Use Pattern of the District	Area (In hectare)
<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>	under process.			
		<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> </ul> <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> <p>4. 100% gap</p>	<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> <li>• List of</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.	<p>Medical Institution Forensic Labs &amp; RD labs, etc.,</p> <ul style="list-style-type: none"> <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	<p>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.</p>	<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>	<ul style="list-style-type: none"> <li>Yes , 100% Target achieved</li> </ul>
3.	Tracking of BMW	<p>Bar coding system is implemented &amp; adopted by HCFs partially i.e. by 165 No. of HCF out of total 190 existing and operational throughout the district.</p>	<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 Bar Coding</li> </ul>	<ul style="list-style-type: none"> <li>HSPCB</li> <li>HCF</li> <li>CBWTF</li> </ul>	<p>Regular activity</p>	

			<p>&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 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</li> </ul>	<ul style="list-style-type: none"> <li>The random monthly mandatory inspections of the HCFs as allotted</li> </ul>	<ul style="list-style-type: none"> <li>Health Department</li> <li>HSPCB</li> </ul>	Regular activity	On going process.

		<p>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>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 Public</li> </ul>	<ul style="list-style-type: none"> <li>• Deputy Commissioner</li> <li>• Health Department</li> <li>• HSPCB</li> <li>• Animal Husbandry and Dairying,</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.

			Health, E.E Municipal Committee Jhajjar, Representati ve of Indian Medical Association, Representati ve of common bio-medical waste treatment facility under the Chairmanshi p of Deputy Commission er, Jhajjar is working District Jhajjar.	Deptt.		
8.	Wastewat er 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, microbiologic al 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. (**GEPI**L) 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 1119 1458 1633"> <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
Sector	No. of Industries																		
Distillery	01																		
Thermal Power Plant	02																		
Cement Industries	4																		
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Hot Mix Plant	19																		
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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	<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							
			<ol style="list-style-type: none"> <li>1) Construction of Paved shoulders along the roads and improvement of existing quality of roads for dust containment.</li> <li>2) Challaning of over loaded transport vehicles.</li> <li>3) Ensuring the transport of construction material with proper covering.</li> <li>4) Ensuring the PUC certificate with the vehicles and challaning for the same.</li> <li>5) Find the way out for CNG station setup in the District.</li> <li>6) Ensuring the non plying of vehicles where in registration is expired and non renewable.</li> <li>7) Exploring the possibility of supplying cleaner fuel to the air polluting</li> </ol>				HSPCB, DSP, Traffic RTA MC Jhajjar & Bahadurgarh MC, Jhajjar & Bahadurgarh , DFO, Jhajjar PWD, Jhajjar			31.12.2023  31.12.2023  31.12.2023  31.12.2023  31.12.2023  31.12.2023  31.12.2023		New timeline be given as it is an on- going process.	

		<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 Ltd. 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>• HSVP, 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.