

**OFFICE OF ADDITIONAL DEPUTY COMMISSIONER (G),  
MALERKOTLA**

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No. 4600/MA

dated 25/08/2023

To

The Director,  
Directorate of Environment and Climate Change (DECC),  
Department of Science Technology & Environment,  
Govt. of Punjab, MIGSIPA Complex,  
Sector -26, Chandigarh - 160019.

**Sub: Monitoring of District Environment Plan.**

It is intimated that earlier District Environment Plan (DEP) of District Malerkotla was prepared in consultation with the stakeholder departments and sent to Director, Directorate of Environment & Climate Change, Chandigarh. Monthly meetings of District Environment Committee were held under the Chairmanship of the Additional Deputy Commissioner (G), Malerkotla on 26.06.2023 & 10.08.2023 at office of the Additional Deputy Commissioner (G), Malerkotla wherein the DEP was also discussed regarding updation / modification in the progress of activities/ timelines carried out by the stakeholders as per requirement.

Now, all the Suggestion/amendments as provided by the stakeholder departments have been incorporated in the District Environment Plan of District Malerkotla and same is enclosed herewith for taking further necessary action at your end, please

  
Additional Deputy Commissioner (G),  
Malerkotla

Endst. 4601 - 4602/MA

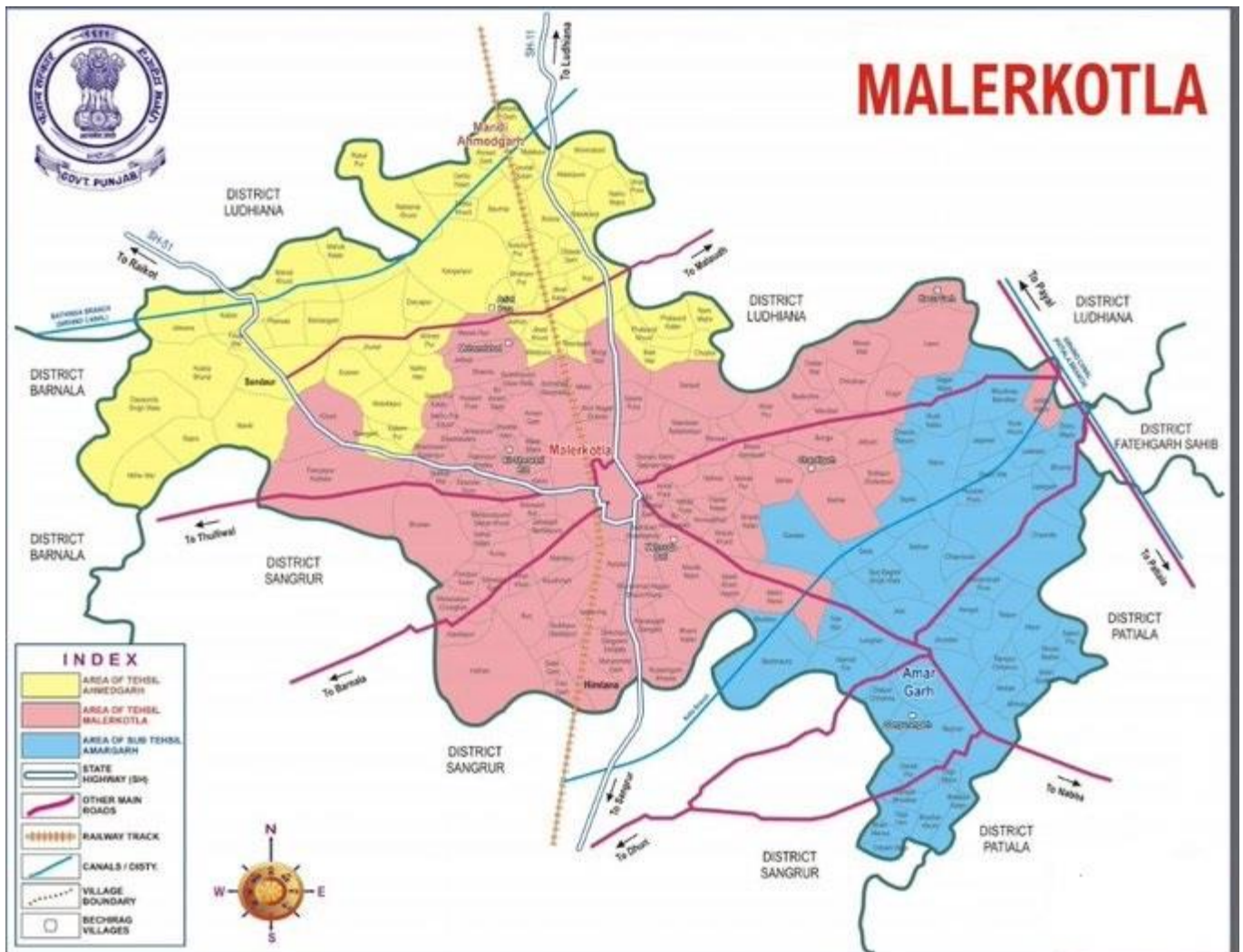
Dated 25/08/2023

A copy of above is forwarded to the following for Information please:

1. The Divisional Commissioner, Patiala Divison, Patiala
2. The Member Secretary, Punjab Pollution Control Board, Head Office, Patiala

  
Additional Deputy Commissioner (G),  
Malerkotla

# DISTRICT ENVIRONMENT PLAN OF DISTRICT MALERKOTLA PUNJAB STATE



**Office of District Administration**  
Deputy Commissioner, Malerkotla  
E-Mail: [dc.malerkotla@punjab.gov.in](mailto:dc.malerkotla@punjab.gov.in)

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## Contents

1.2 DistrictProfile .....	4
a. DistrictAdministrativeSet-up .....	4
b. Localinstitutions .....	5
c. NaturalResources.....	5
▪ Waterbodies .....	5
▪ Availabilityofwater resources .....	5
▪ Forestcover .....	5
d. Geography&Demography .....	6
e. Land-use pattern .....	6
f. Climate.....	7
2.0WasteManagement Plan .....	9
2.1 SolidWasteManagement.....	9
a. Current status of SolidWasteManagement.....	9
b. Identificationof gapsandActionPlan .....	9
2.2 PlasticWasteManagement .....	20
(a) Currentstatus ofPlasticWaste Management.....	20
(b) Identificationof gaps andActionPlan .....	20
2.3 C &DWasteManagement .....	26
a. Currentstatus ofC &DWaste Management.....	26
b. Identificationof gapsandActionPlan .....	26
2.4 BiomedicalWasteManagement.....	28
c. CurrentStatus ofBiomedicalWaste Management.....	28
d. Identificationof gapsandActionPlan .....	28
2.5 HazardousWasteManagement.....	30
e. CurrentStatus of Hazardous WasteManagement.....	30
f. Identificationof gapsandActionPlan .....	30
2.6 E-WasteManagement.....	32
g. CurrentStatus ofE-WasteManagement.....	32
h. Identificationof gapsandActionPlan .....	32
3.0 AirQualityManagement .....	35
a. CurrentStatus ofAirQualityManagement.....	35
b. Identificationof gapsandAction Plan.....	35
4.0 WaterQualityManagement .....	39
4.1 WaterQualityMonitoring.....	39

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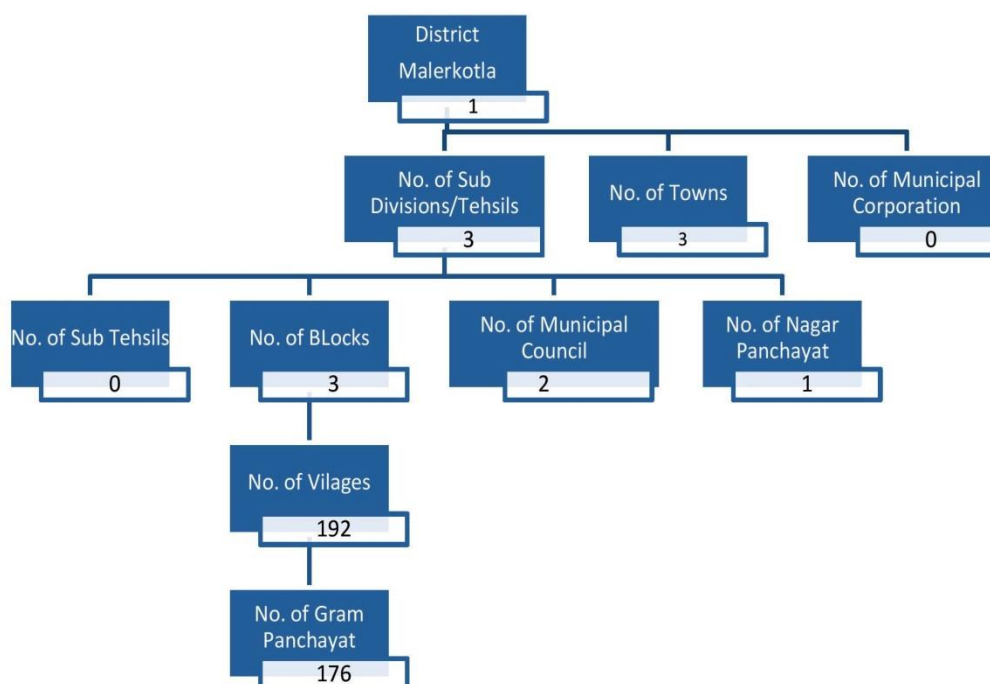
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a. CurrentStatus of Water QualityManagement .....	39
b. Identificationof gapsandactionPlanforWater QualityMonitoring .....	39
4.2 DomesticSewage .....	41
a. Current Status of Domestic Sewage .....	41
b. Identificationof gapsandAction Planfortreatmentof domestic sewage .....	41
5.0 IndustrialWastewaterManagement .....	48
a. CurrentStatus of IndustrialWastewaterManagement .....	48
b. Identificationof gapsandAction Plan for IndustrialWastewater Management: .....	48
6.0 MiningActivityManagementPlan.....	49
a. CurrentStatus ofMiningActivityManagement .....	49
b. Identificationof gapsandAction Plan.....	49
7.0 NoisePollutionManagement Plan.....	50
a. CurrentStatus ofNoisePollutionManagement.....	50
b. Identificationof gapsandAction Plan.....	50
List of Nodal Officers (Annexure-1) .....	51

## 1.0 District Profile

Malerkotla was carved out of Sangrur as the 23<sup>rd</sup> district of Punjab on 02 June, 2021. District Malerkotla is divided into three subdivisions Malerkotla, Amargarh and Ahmedgarh. Malerkotla is one of the five districts in Patiala Division. It is bounded by Ludhiana district in the North, by Barnala district in the West, by Patiala district in the East and by Sangrur district in the South. The headquarters of the District is located at Malerkotla City. Malerkotla city is situated 40 km from Ludhiana, 45 km from Khanna, 35 km from Sangrur and 55 km from Jagraon. The city is situated on SH 11 and on secondary Ludhiana-Delhi railway line. It is a major supplier of vegetables to this part of Punjab. It is also known for its metal industry and for the manufacture of agricultural machinery. The type of soil in Malerkotla is tropical arid brown soil. The soil is deficient in nitrogen, potash & phosphorus. The texture of soil is sandy loam. The fertility of soil varies from medium to high. The average annual rainfall in the district is about 590 mm.

### a. Administrative Division of the District



## **b. Local Institutions**

The District has 3 sub divisions mainly Malerkotla, Ahmedgarh & Amargarh and there are 3 ULBs namely Malerkotla, Ahmedgarh & Amargarh and 192 villages. The district is well connected with rail & road with all parts of the state.

## **c. Natural Resources`**

### **▪ Water bodies**

There is one major drain namely Lissara and some other minor drains which pass through the district. There is no river or any tributary of any such river flowing through the district.

#### **Lissara Drain**

Lissara drain enters District Malerkotla at R.D 264000 at village Sarod. No industrial unit is discharging its untreated effluent into the said drain. However, wastewater generated from Malerkotla town and villages is being discharged into this drain. Further, M/s Shreyans Industries Ltd., Ahmedgarh is discharging its treated trade effluent @ 8800 KLD into Tallewal drain during no demand period, which ultimately leads to Lissara drain. In this regard, the industry had already obtained permission from the Department of Irrigation for discharge of treated trade effluent into Tallewal drain.

#### **Other Drain**

There are other minor drains which pass through Malerkotla and these then flow into the Bahadur Singh Wala drain in District Sangrur.

### **▪ Availability of Water Resources**

- The major source of water for irrigation, industrial use and for domestic consumption in District Malerkotla is ground water. As per the latest data available on the CGWB website, Malerkotla have been notified on 13.08.2011 for control and regulation in Ground Water.
- The net ground water resources of the district have been estimated to be 393 MCM and gross ground water draft of the district is 832 MCM leaving behind a short fall of 509 MCM. The stage of ground water development in the district is 264%.

### **▪ Forest coverage**

The details of Forest area in District Malerkotla is as under:-

Geographical Area (GA) in sq.km	2017 Assessment				% of Geographical Area
	Very Dense Forest	Mod. Dense Forest	Open Forest	Total	
686	0.00	0	11.93	11.93	1.73%

These forests are mainly in the form of strip forests.

**d. Geography & Demography**

Description	Facts
Population	429,754
Male	226722
Female	203032
Population Growth	12.30 %
Area Sq. Km	689
Density/km <sup>2</sup>	624
As percentage of the Population of the state	5.97 %
Sex Ratio (Per 1000)	896
Child Sex Ratio (0-6 Age)	840
Average Literacy	68.99%

**e. Land-use pattern**

Sr . No.	Title	Data of Distt. Malerkotla (Area in Hac)
1.	Geographical area	68618
2.	Cultivated area	59065
3.	Forest area	175
4.	Land under non agricultural use	9066
5.	Permanent pastures	-
6.	Cultivated wasteland	30
7.	Land under Misc. tree crops and groves	-
8.	Barren and un-cultivated land	12
9.	Current fallows	270
10.	Other fallows	-

#### **f. Climate**

The climate of the district is the same as the rest of Punjab which is on the whole dry and is characterized by a short monsoon, a hot summer and a bracing cold winter. The year may be divided into four seasons. The cold season from November to March is followed by the hot season lasting up to the end of June. The period from July to mid-September constitutes the rainy season brought about by the south-west monsoons, the second half of September and October may be termed the post-monsoon or transition period. During the south-west monsoon season from July to September the relative humidity is high, being 75 to 80 per cent in the mornings and about 55 to 65 per cent in the afternoons. High humidity of more than 70 per cent also prevail during the winter months, December to February. It is comparatively drier during rest of the year. April and May are the driest periods of the year when in the afternoons the relative humidity is 25 per cent or less.

The average annual rainfall in the district is about 590 mm, the maximum (about 73 per cent) falling in the months from July to September, July being the wettest month. During the cold season passing, western disturbances affect the weather over the district causing few thunder storms.

# **ACTION PLAN**

## 2.0 WASTE MANAGEMENT PLAN

### 2.1 Solid Waste Management

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

Sr. no.	Urban Local bodies	No of Wards	No of Households	Population	Solid Waste Generated (MT per day)
1.	MC Ahmedgarh	17	5200	31302	9.5*
2.	NP Amargarh	11	1473	7339	1.39*
3.	MC Malerkotla	33	36565	135423	56*
	<b>Total</b>	<b>61</b>	<b>43238</b>	<b>174064</b>	<b>66.89</b>

\* The actual solid waste generated has been calculated by weighing the solid waste ward wise over a one week period.

Sr no.	Local Bodies (Rural)	No of Village panchayats / Blocks	No of Households	Population	Solid Waste Generated per day (MT)
1.		176	49688	255635	102

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

Sr.	Action points For villages / blocks / town municipalities / City corporations	Identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan
<b>A.</b>	<b>Source Segregation</b>				
<b>I.</b>	MC Ahmedgarh	Achievement-100%	To achieve 100% segregation, following measures will be taken: ✓ IEC activities. ✓ By providing compartmentalized rehrs to the workers. ✓ By imparting training to the waste collected workers.	EO, Ahmedgarh	Regular Activity
<b>II.</b>	NP Amargarh	Achievement-100%	To maintain 100 % segregation in future also.	EO, Amargarh	Regular Activity

III.	MC Malerkotla	Achievement-100%	To achieve 100% segregation, following measures will be taken: ✓ Public awareness by holding ward wise camps. ✓ IEC activities. ✓ By providing compartmentalised rehris to the workers. ✓ By imparting to the waste collected workers.	EO, Malerkotla	Regular Activity
IV.	Village Panchayats of District Malerkotla (176)	Exercise yet to start	The date for preparation of the Action Plan is 31.12.2023	DDPO	<ul style="list-style-type: none"> <li>• Preparation of Action Plan by 31.12.2023</li> <li>• Implementation by 30.06.2027</li> <li>• By 31.12.2024 to be implemented in 6GPs</li> <li>• By 30.06.2025 in 54 more GPs</li> <li>• By 30.06.2026 in 58 more GPs</li> <li>• By 30.06.2027 in remaining 58 GPs</li> </ul>
<b>B. Sweeping</b>					
<b>I. Manual Sweeping in ULB's</b>					
(i)	MC Ahmedgarh	Achievement - 100 % Gap: Nil	To maintain 100 % sweeping	EO, Ahmedgarh	Regular activity
(ii)	NP Amargarh	Achievement - 100 % Gap: Nil	To maintain 100 % sweeping	EO, Amargarh	Regular activity
(iii)	MC Malerkotla	Achievement - 100 % Gap: Nil	To maintain 100 % sweeping	EO, Malerkotla	Regular activity
<b>II. Manual Sweeping in Village Panchayats</b>					
(i)	Villages Panchayat (176)	Achieved	To achieve 100% manual sweeping, funds will be arranged by Gram Panchayats out of own Resources	Concerned BDPO	Regular activity
<b>C. Waste Collection</b>					
(i)	100% collection of solid waste	ULBs <ul style="list-style-type: none"> <li>• 100% D to D collection has been achieved</li> </ul>	<ul style="list-style-type: none"> <li>• To maintain 100% D to D by ULBs</li> </ul>	<ul style="list-style-type: none"> <li>• ULBs</li> </ul>	<ul style="list-style-type: none"> <li>• Regular activity</li> <li>•</li> </ul>

		by all MC's/NP. <ul style="list-style-type: none"> <li>Village panchayats - Not adequate</li> </ul>	Action plan is yet to be prepared. Date for preparation is 31.12.2023	DDPO	<ul style="list-style-type: none"> <li>Preparation of Action Plan by 31.12.2023</li> <li>Implementation by 30.06.2027</li> <li>By 31.12.2024 to be implemented in 6GPs</li> <li>By 30.06.2025 in 54 more GPs</li> <li>By 30.06.2026 in 58 more GPs</li> <li>By 30.06.2027 in remaining 58 GPs</li> </ul>
(ii)	Arrangement for door to door collection	<ul style="list-style-type: none"> <li>Bycompart mentioned was te collection trolleys &amp; tricycle in each ward of MC/NP</li> <li>Village Panchayats (176) = No formal arrangement exists.</li> </ul>	<ul style="list-style-type: none"> <li>As per requirement, manpower and mechanical arrangements will be increased to ensure 100% D to D collection.</li> <li>Action plan is yet to be prepared for making arrangements of D to D collection.</li> </ul>	<ul style="list-style-type: none"> <li>ULBs</li> <li>DDPO</li> </ul>	<ul style="list-style-type: none"> <li>Regular activity</li> <li>Preparation of Action Plan by 31.12.2023</li> <li>Implementation by 30.06.2027</li> <li>By 31.12.2024 to be implemented in 6GPs</li> <li>By 30.06.2025 in 54 more GPs</li> <li>By 30.06.2026 in 58 more GPs</li> <li>By 30.06.2027 in remaining 58 GPs</li> </ul>
(iii)	Waste Collection trolleys with separate Compartments	<ul style="list-style-type: none"> <li>ULB's Waste is being collected through tricycles provided with compartments</li> <li>GP's In villages Required – 176 Available - Nil</li> </ul>	<ul style="list-style-type: none"> <li>As per requirement, waste collection trolleys will be increased to ensure 100% D to D collection and segregation.</li> <li>Action plan is yet to be prepared for arrangements of D to D collection.</li> </ul>	<ul style="list-style-type: none"> <li>ULBs</li> <li>DDPO</li> </ul>	<ul style="list-style-type: none"> <li>Regular activity</li> <li>Preparation of Action Plan by 31.12.2023</li> <li>Implementation by 30.06.2027</li> <li>By 31.12.2024 to be implemented in 6GPs</li> </ul>

					<ul style="list-style-type: none"> <li>• By 30.06.2025 in 54 more GPs</li> <li>• By 30.06.2026 in 58 more GPs</li> <li>• By 30.06.2027 in remaining 58 GPs</li> </ul>
(iv)	Mini Collection Trucks with separate compartments	<ul style="list-style-type: none"> <li>• ULB's MC Ahmedgarh-4 NP Amargarh-0 MC Malerkotla-33</li> <li>• GP's In villages – not adequate</li> </ul>	<ul style="list-style-type: none"> <li>• As per requirement, waste collection trucks will be increased to ensure 100% D to D collection and segregation.</li> <li>• In villages – Action plan is yet to be prepare.</li> </ul>	<ul style="list-style-type: none"> <li>• ULBs</li> <li>• DDPO</li> </ul>	<ul style="list-style-type: none"> <li>• Regular activity</li> <li>• Preparation of Action Plan by 31.12.2023</li> <li>• Implementation by 30.06.2027</li> <li>• By 31.12.2024 to be implemented in 6GPs</li> <li>• By 30.06.2025 in 54 more GPs</li> <li>• By 30.06.2026 in 58 more GPs</li> <li>• By 30.06.2027 in remaining 58 GPs</li> </ul>
<b>D</b>	<b>Waste Deposition Centres (for domestic hazardous wastes)</b>				
I.	MC, Ahmedgarh	Required – 2 Installed – 2 Gap – Nil	The domestic hazardous waste collected from D to D is being stored at MRFs.	EO, Ahmedgarh	Activity completed
II.	NP, Amargarh	Required – 1 Installed – 1 Gap – Nil	The domestic hazardous waste collected from D to D is being stored at MRFs.	EO, Amargarh	Activity completed
III.	MC, Malerkotla	Required – 3 Installed – 3 Gap – 0	The domestic hazardous waste collected from D to D is being stored at MRFs.	EO, Malerkotla	Activity completed

IV.	Villages Panchayat (176)	Yet to provide	Yet to prepare	DDPO	<ul style="list-style-type: none"> <li>• Preparation of Action Plan by 31.12.2023</li> <li>• Implementation by 30.06.2027</li> <li>• By 31.12.2024 to be implemented in 6GPs</li> <li>• By 30.06.2025 in 54 more GPs</li> <li>• By 30.06.2026 in 58 more GPs</li> <li>• By 30.06.2027 in remaining 58 GPs</li> </ul>
<b>E</b>	<b>Waste Transport</b>				
(i)	Review existing infrastructure for waste Transport.	<b>MC Malerkotla</b> Required – 120 Available – 78 Gap – 42  <b>MC Ahmedgarh</b> Required – 65 Available – 43 Gap – nil  <b>NP Amargarh</b> Required – 11 Available – 14 Gap – Nil	As per requirement, waste transport vehicles will be increased to ensure 100% transportation of waste	MCs/NPs	31.12.2023
(ii)	Bulk Waste Trucks	MC Malerkotla - 1	Adequate	MCs/NPs	Activity completed
(iii)	Waste Transfer points	Malerkotla - 27 Ahmedgarh - 7 Amargarh - Nil	Adequate	MCs/NPs	Activity completed
<b>F</b>	<b>Waste Treatment and Disposal</b>				
(i)	Wet-waste Management: On-site composting by bulk waste generators	Identified Malerkotla - 7 Ahmedgarh - Nil Amargarh - 1	Identified bulk generators will be visited and onsite Composting will be get done from them. Also, new bulk generators will be identified.	MC/NP & PPCB	Activity completed
(ii)	Wet-waste Management: Facilities for central Bio-methanation/ Composting of wet waste.	MCAhmedgarh Required - 32 Provided – 38 Gap - Nil	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, Ahmedgarh	Activity completed
		NP Amargarh Required - 9 Provided – 21	Already provided required no. of compost pits, however, its	EO, Amargarh	Activity completed

		Gap - Nil	effective use will be ensured.		
		MC Malerkotla Required - 120 Provided – 120 Gap - Nil	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, Malerkotla	Activity completed
		Villages Panchayat (176)	Plan yet to be prepared	DDPO	<ul style="list-style-type: none"> <li>• Preparation of Action Plan by 31.12.2023</li> <li>• Implementation by 30.06.2027</li> <li>• By 31.12.2024 to be implemented in 6GPs</li> <li>• By 30.06.2025 in 54 more GPs</li> <li>• By 30.06.2026 in 58 more GPs</li> <li>• By 30.06.2027 in remaining 58 GPs</li> </ul>
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	<b>MC Ahmedgarh</b> Required- 1 Available - 2 Gap – Nil  <b>NP Amargarh</b> Required- 1 Available - 1 Gap – Nil  <b>MC Malerkotla</b> Required- 43 Available - 3 Gap – 0	All MCs/NPs have provided required no. of Material Recovery Facilities except Malerkotla	EO Malerkotla	Activity completed
		<ul style="list-style-type: none"> <li>• Villages Panchayat - Not provided</li> </ul>	<ul style="list-style-type: none"> <li>• Action Plan yet to be prepared</li> </ul>	<ul style="list-style-type: none"> <li>• DDPO</li> </ul>	<ul style="list-style-type: none"> <li>• Preparation of Action Plan by 31.12.2023</li> <li>• Implementation by 30.06.2027</li> <li>• By 31.12.2024 to be implemented in 6GPs</li> <li>• By 30.06.2025 in 54 more GPs</li> <li>• By 30.06.2026 in 58 more GPs</li> <li>• By 30.06.2027 in remaining 58 GPs</li> </ul>

(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill.	Sanitary landfill site not identified	All MCs/NPs are in the process of establishing sanitary landfill sites for which DPRs / tendering process is being carried out.	MCs / NPs	30.06.2024
(v)	Remediation of historic / legacy dumpsite	MC,Ahmedgarh • Total legacy waste = 2230 MT • Waste remediated – 2230 MT • Balance – 0 MT	The machinery like mechanical separator & loader has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO, Ahmedgarh	Completed
		NP Amargarh • Total legacy waste = 3480 MT • Waste remediated – 3380 MT • Balance – 100 MT	The machinery like mechanical Separator has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO, Amargarh	30.09.2023
		MC, Malerkotla • Total legacy waste = 136000 MT • Waste remediated – 100 MT • Balance – 135000 MT	The machinery like mechanical Separator, JCB loader has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO, Malerkotla	Completion date – 30.09.2024
		Villages Panchayat (176)- Not started	Scheme for treatment of legacy waste in villages is yet to be prepared accordingly.	DDPO	<ul style="list-style-type: none"> <li>• Preparation of Action Plan by 31.12.2023</li> <li>• Implementation by 30.06.2027</li> <li>• By 31.12.2024 to be implemented in 6GPs</li> <li>• By 30.06.2025 in 54 more GPs</li> <li>• By 30.06.2026 in 58 more GPs</li> <li>• By 30.06.2027 in remaining 58 GPs</li> </ul>
(vi)	Involvement of NGOs	Yes	NGOs shall be identified for the purpose.	MCs/NPs and DDPO	Regular Activity
(vii)	Authorization of Waste Pickers	Yes	As per requirement, authorization of waste pickers will be carried out.	ULBs & DDPO	Regular activity

(VII)	Preparation of own by-laws to comply with SWM Rules 2016	<ul style="list-style-type: none"> <li>All MCs/NPs have already prepared</li> <li>In village panchayats - yet to prepare.</li> </ul>	<ul style="list-style-type: none"> <li>All MCs/NPs have prepared</li> <li>For village panchayats – Not yet prepared.</li> </ul>	<ul style="list-style-type: none"> <li>ULBs</li> <li>DDPO</li> </ul>	<ul style="list-style-type: none"> <li>Activity completed</li> <li>31.12.2023</li> </ul>
(IX)	Removal of garbage vulnerable points (GVPs)	No gap	All the identified (GVPs) have been removed by the all MCs/NPs. However, a strict watch will be kept to avoid reoccurrence of GVPs	All ULBs	Activity Completed
(x)	Provision of green belt and boundary wall around solid waste dumping site.	MC Ahmedgarh Green Belt – Not Provided Boundary Wall – Not Provided NP Amargarh Green Belt – Provided Boundary Wall – Provided MC Malerkotla Green Belt – Not Provided Boundary Wall – Provided	The green belt around the boundary wall of solid waste dumpsite of NP Amargarh has been provided and remaining MCs will be started & completed by 31.12.2023.	Concerned MCs/NPs	31.12.2023
(xi)	Providing compartments and GPS tracking in garbage carrying vehicles	All the MCs/NPs have provided compartments & GPS tracking in garbage carrying vehicle.	Already complied with	ULBs	Activity completed
(xii)	Action Plan for treatment of leachate generated from legacy waste dumpsite. (Directions of Hon'ble NGT in OA no. 606 of 2018 dated 22.07.2019, 28.02.2019, 14.12.2020)	Treatment of leachate	Leachate management will be done along with Bio- remediation of legacy waste.	MCs/NPs	30.09.2024 for all MC/NP
(xiii)	Best practices, including setting up of Control Rooms where citizens can upload	No Gap	Swachhata app is widely used by citizens for complaints related to SWM/ SBM, It is resolved and monitored at ULB and state level	All Local bodies	Already in place

	photos of garbage which may be looked into by the specified representatives of local bodies, at local level as well as State level. (Directions of Hon'ble NGT in OA no. 606 of 2018 dated 22.07.2019, 28.02.2019, 14.12.2020)		both.		
(xiv)	CCTV cameras be installed at dumping sites. (Directions of Hon'ble NGT in OA no. 606 of 2018 dated 22.07.2019, 28.02.2019, 14.12.2020)	All MCs/NP have installed CCTV camera at dump sites. Malerkotla - 1 Ahmedgarh - 1 Amargarh - 1	Already installed	MCs/NPs	Already installed
(xv)	Installation of Piezometer at Dump Site. (Directions of Hon'ble NGT in OA no. 606 of 2018 dated 22.07.2019, 28.02.2019, 14.12.2020)	<b>MC Ahmedgarh</b> - Installed <b>NP Amargarh</b> - Installed <b>MC Malerkotla</b> - Installed	Already installed. However, monitoring is being carried out on regular basis.	Concerned MCs/NPs	Already completed
(xvi)	Carcass should be utilized by adopting rendering process or incineration and priority may be given to carcass utilization plants which are run by adopting rendering process. (Directions of	Presently Carcass of dead animals are being given to private contractor by MCs/NPs.	Proposal for utilization of carcass in a scientific manner is under consideration. However, boundary wall, hedges and plantation all around the carcass disposal points will be provided to control nuisance in the area by 31.12.2023.	MCs/NPs	For proposal submission – 31.12.2023 For installation – 31.12.2024

	Hon'ble NGT in OA no. 465/2019 dtd. 15.04.2021				
(xvii)	Carcass disposal to be done under the supervision Veterinary/Animal Husbandry Department of the State and the Local Bodies. (Directions of Hon'ble NGT in OA no. 465/2019 dated 15.04.2021	No gap	Carcass disposal will be ensured under the supervision of veterinary doctors.	MCs/NPs	Regular activity
(xviii)	Management of waste water and solid waste by the unauthorized colonies / residential complex/commercial complex developed by Pvt. Colonizers.	<b>Malerkotla</b> Total colonies-104 Approved-6 Regular-8 Gap-90 <b>Ahmedgarh</b> Total colonies-23 Approved-5 Gap-18 <b>Amargarh</b> Total colonies-8 Approved- 1 Gap - 7	The unauthorized colonies / residential complex/commercial complex projects will be visited to verify the present method of management of solid waste & liquid waste generated from said projects and compliance will be made from said projects, thereafter, accordingly.	MCs/NPs	Identification – activity completed Implementation – 31.03.2024
(xix)	To prepare proposal / scheme for management of solid waste in the villages either in cluster form or independently in individual villages	Inadequate Management of solid waste in the villages.	Scheme is yet to be prepared.	DDPO	31.12.2023
(xx)	Information Education and Communication (IEC) activities in respect of solid waste.	No gap	The IEC activities in this regard are already being done by the concerned departments. However, more IEC activities will be carried out for creating more awareness for the management of solid waste.	MCs/NPs	Regular Activity

(xxi)	Constitution of DEC in view of the constitution provisions under article 243 G, 241 W and 243 ZD read with scheduled 11, 12 & 15 of SWM Rules, 2016.	No gap	Constituted by the State Government.	State Government	Activity completed
(xxii)	Management of carcass in rural area.	Inadequate management of carcass in rural area. No. of carcasses existing = 176	Green belt / hedges along the barged wire may be provided around carcass disposal site.	DDPO	<ul style="list-style-type: none"> <li>• Preparation of Action Plan by 31.12.2023</li> <li>• Implementation by 30.06.2027</li> <li>• By 31.12.2024 to be implemented in 6GPs</li> <li>• By 30.06.2025 in 54 more GPs</li> <li>• By 30.06.2026 in 58 more GPs</li> <li>• By 30.06.2027 in remaining 58 GPs</li> </ul>
(xxiii)	Dry-Waste Management: Material Recovery for dry-waste fraction (RDF)	MC Ahmedgarh Required- 1 Available - 1 Gap – Nil NP Amargarh Required- 1 Available - 1 Gap – Nil MC Malerkotla Required- 3 Available -3 Gap – Nil	All MCs/NPs have installed required no. Material Recovery Facilities (MRF)	ULBs	Activity completed
(xxiv)	Management of Horticulture Waste in MCs.	No Gap	All MCs / NPs have provided adequate no. of compost pits for the management of horticulture waste.	MCs/NPs	Activity completed

## 2.2 PlasticwasteManagement

### (a) CurrentstatusrelatedtoPlasticwastemanagement

Sr. No.	UrbanLocalbodies	Estimated quantity of Plastic WasteGenerated MT/perday
1.	MC, Ahmedgarh	0.64
2.	NP, Amargarh	0.15
3.	MC, Malerkotla	2.71
	<b>Total</b>	<b>3.50</b>

	LocalBodies	Estimated quantity of PlasticWaste GeneratedMT/perday
1	Villages Panchayats (176)	2.2

### (b) IdentificationofgapsandActionplan:

S.N o.	Action pointsFor villagepanchayats /blocks/municipalities /corporations	Identification ofgap	Actionplan	AgenciesResponsible	Target timeforCompliance
1.	Door to Door collection of drywaste includingPW	MCs/NPs Achievement – 100% Gap – Nil  VillagesPanchayat(176)– not initiated	Already achieved 100 % door to door collection  Action Plan is yet to be prepared	MCs/NPs  DDPO	Regular activity  <ul style="list-style-type: none"> <li>Preparation of Action Plan by 31.12.2023</li> <li>Implementation by 30.06.2027</li> <li>By 31.12.2024 to be implemented in 6GPs</li> <li>By 30.06.2025 in 54 more GPs</li> <li>By 30.06.2026 in 58 more GPs</li> <li>By 30.06.2027 in remaining 58 GPs</li> </ul>
2.	Facilitateorganise dcollection of PW at WastetransferpointorMaterial RecoveryFacility	MC Ahmedgarh Required – 65 Available – 43 Gap – 22  NP Amargarh Required – 11	As per requirement, waste transport vehicles will be increased to ensure 100% transportation of waste	MCs/NPs	31.12.2023

		Available – 14 Gap – Nil  MC Malerkotla Required – 120 Available – 78 Gap – 42			
		Village Panchayats (176)-	Action plan yet to be prepared	DDPO	<ul style="list-style-type: none"> <li>• Preparation of Action Plan by 31.12.2023</li> <li>• Implementation by 30.06.2027</li> <li>• By 31.12.2024 to be implemented in 6GPs</li> <li>• By 30.06.2025 in 54 more GPs</li> <li>• By 30.06.2026 in 58 more GPs</li> <li>• By 30.06.2027 in remaining 58 GPs</li> </ul>
3.	PW collection Centres	<b>MC Ahmedgarh</b> Required- 1 Available - 1 Gap – Nil  <b>NP Amargarh</b> Required- 1 Available - 1 Gap – Nil  <b>MC Malerkotla</b> Required- 3 Available -3 Gap –Nil	All MCs/NPs have installed required no. Material Recovery Facilities (MRF).	ULBs	Activity completed
4.	Awareness and education programs implementation	No Gap	Awareness is being created amongst the public by organizing seminars, through school children, by providing banners at prominent places of the city etc. The MCs/NPs are conducting meetings with owners of hotels / restaurants / marriage palaces to eliminate single use plastic.	MCs/NPs	Regular activity

5.	Access to Plastic Waste Disposal Facilities	All MCs/NP have executed an agreement with Max Speciality Films to purchase / collect any kind of plastic / garbage.	The use of plastic waste in road construction and in industrial sector like pyrolysis plants, recyclers etc. is being made by MCs/NPs.	MCs/NPs	Regular Activity
6.	Plastic Industry Registration. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Total units – 3 Registration obtained – 0 Gap - 3	The industrial units who are not registered under plastic rules are being pursued for obtaining registration by the Board	PPCB	31.12.2023
7.	Development and setting up of infrastructure for segregation, collection, storage, transportation, Processing, and disposal of Plastic Waste either on its own or by engaging agencies or producers. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	All MCs/NP have executed an agreement with Max Speciality Films to purchase / collect any kind of plastic / garbage.	<ul style="list-style-type: none"> <li>• PMIDC came into contract with one agency MAX speciality Films in this regard to purchase/collect any kind of plastic garbage from the ULBs.</li> <li>• PMIDC coordinated with PWD and Mandi Board to utilize plastic waste in Roads.</li> <li>• More effective Disposal facility needs to be engaged under guidance of PMIDC</li> </ul>	MCs / NPs	Activity completed
8.	Framing of bye-laws incorporating the provisions of Plastic Waste Management Rules, 2016. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	ULBs- Already made  Rural areas- yet to frame	MCs/NPs already framed  Rural Panchayats = yet to prepared	MCs/NPs and  DDPO	Activity already completed  30.09.2023

9.	Set up, operationalize and co-ordinate for Plastic Waste management in Rural area. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Inadequate	Proposal is yet to be prepared	DDPO	<ul style="list-style-type: none"> <li>• Preparation of Action Plan by 31.12.2023</li> <li>• Implementation by 30.06.2027</li> <li>• By 31.12.2024 to be implemented in 6GPs</li> <li>• By 30.06.2025 in 54 more GPs</li> <li>• By 30.06.2026 in 58 more GPs</li> <li>• By 30.06.2027 in remaining 58 GPs</li> </ul>
10.	Ban on non-recyclable single use polythene bags. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	ULBs - Initiated	Ban has been already imposed by the State Govt., on sale, purchase, manufacturing and stock of plastic carry bags. The MoEF & CCP vide its notification dated 12.08.2021 has banned Single use plastic with effect from 1.07.2022. Further, the guidelines of the Centre and State Govt., regarding banning of single use plastic will be complied with.	ULBs & PPCB	Regular activity
11.	Segregation, collection, storage, transportation of plastic waste and channelizing of recyclable plastic waste fraction to recycler having valid registration. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	<p><b>MC Malerkotla</b> PW sold - 4.3 T PW stored - Nil</p> <p><b>MC Ahmedgarh</b> PW sold - 2 T PW stored - Nil</p> <p><b>MC Amargarh</b> PW sold - 2 T PW stored - 3 T</p> <p>In Villages – not adequate.</p>	Recyclable plastic waste is collected, transported and stored separately by all ULBs. Currently such plastic is being stored at MRF.	ULBs	Regular activity
			Action plan is yet to be prepared	DDPO	<ul style="list-style-type: none"> <li>• Preparation of Action Plan by 31.12.2023</li> <li>• Implementation by 30.06.2027</li> <li>• By 31.12.2024 to be implemented in 6GPs</li> <li>• By 30.06.2025 in</li> </ul>

					54 more GPs <ul style="list-style-type: none"> <li>• By 30.06.2026 in 58 more GPs</li> <li>• By 30.06.2027 in remaining 58 GPs</li> </ul>
12.	Awareness to the waste generator to take steps to minimize the plastic waste and segregate plastic waste at source. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	No Gap	Awareness is being carried out on regular basis by organizing camps.	ULBs, DDPO & PPCB	Regular activity
13.	Encouragement to the education institute to take up waste management in their curriculum and create student project for waste recycling. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	No gap	Already being followed and seminars are being organized.	DEO (Primary & Secondary)	Regular activity
14.	Directions to Gram Panchayat to perform functions such as ensuring segregation, collection, storage, transportation, plastic waste and channelization of recyclable plastic waste fraction to recyclers having valid registration. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Initiated	Directions are already been given to BDPO's ensuring segregation, collection, storage, transportation, plastic waste and channelization of recyclable plastic waste fraction to recyclers having valid registration	DDPO	Regular activity

15.	Creating awareness among all stakeholders about their responsibilities, and ensuring that open burning of plastic waste does not take place. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	No gap	All stakeholders are being made aware regarding their responsibility regarding burning of plastic waste. Action against violators is also being taken as per rules.	All local bodies	Regular activity
16.	To ensure proper plastic waste management, industries may be directed to explore the possibilities of use of such wastes in construction of roads. Further industries may also be directed to collaborate with different research institutes to explore such alternatives. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Initiated	Instructions are being given to the industries regularly to explore the possibility of use of plastic waste in a scientific manner like in road construction etc. in consultation with research institutes.	PPCB	Regular activity

## 2.3 C&DWasteManagement

### ▪ a.CurrentstatusrelatedtoC&D Waste

DetailsofDataRequirement	PresentStatus
TotalC &Dwaste generationinMT perday(As perdata from MunicipalCorporations/Municipalities)	MC Ahmedgarh- 0.6 MT NP Amargarh-0.1 MT MC Malerkotla-3.2 MT <b>Total –3.9MTD</b>
Doesthe DistricthasaccesstoC&Dwasterecyclingfacility?	No

### b.IdentificationofgapsandActionplan:

S. No.	Action points forblocks / townmunicipalities/ Citycorporations	Identification ofGaps	ActionPlan	Responsible agency	Timeline forcompletion ofactionplan
1.	ArrangementforseparatecollectionofC &DwastetoC&Dwastedepositionpoint.	All the MCs/NPs have already identified sites and made operational for separate collection of C & D waste	Already completed	MCs / NPs	Activity completed
2.	WhetherlocalauthorityhavefixeduserfeonC&Dwaste and introducedpermissi onsystemfor bulkwaste generators whogenerate more than20tonsormorei none day or 300 tonsper project in a month?	No gap	Already fixed	MCs/NPs	Activity completed
3.	C&D recycling Facility	Presently, there is no C&D recycling Facility in the District.	Department of Urban Development is preparing proposal for installation of recycling facility.	ULBs & PPCB	<ul style="list-style-type: none"> <li>• Preparation of proposal 30.09.2023</li> <li>• Implementation - 30.09.2024</li> </ul>

4.	Usage of recycled C&D waste in non-structural concrete, paving blocks, lower layers of roads, pavements, colonnades and rural roads	Presently there is no C&D recycling facility in the District. No C&D waste is being recycled.	Department of Urban Development is preparing proposal for installation of recycling facility. Once, the recycling facility will be installed, C&D waste will be recycled.	MCs/NPs	<ul style="list-style-type: none"> <li>• Preparation of proposal 30.09.2023</li> <li>• Implementation - 30.09.2024</li> </ul>
5.	IEC on C&D waste management	No gap	Awareness is being made through media, NGOs & radio.	MCs/NPs	Regular Activity

## 2.4 BiomedicalWasteManagement

### a. CurrentStatusrelatedtobiomedicalwaste

InventoryofBMW in the District	Quantity
Total no. of Bedded Healthcare Facilities	41
Total no. of non-bedded HCF	78
No. of HCFs authorized by SPCBs/PCCs	All HCFs are authorized once
No. of Common Biomedical Waste Treatment and Disposal Facilities (CBWTFs)	0
Capacity of CBWTFs	NA
No. of Deep burials for BMW if any	0
Quantity of biomedical waste generated per day	75 kg/day
Quantity of biomedical waste treated per day	75 kg/day

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

S. No.	Action points	Gaps	Action Plan	Responsible agency	Timeline for completion of action plan
1.	Inventory and identification of Healthcare Facilities	HCFs have been identified and inventorized.	Regular camps are being organized to pursue the HCFs to obtain the authorization. Also, identification of new HCFs is being carried out on regular basis.	PPCB	Regular activity
2.	Adequacy of facilities to treat biomedical waste	No gap	The bio-medical waste of Distt. Malerkotla is being lifted by CBWTF, Ludhiana for treatment.	PPCB	Regular activity
3.	Tracking of BMW	No gap	Bar code system has already been implemented by all HCFs and CBWTFs. Also, the bio-medical waste carrying vehicles are equipped with VPS system and being monitored on regular basis.	PPCB	Activity completed

4.	Awareness and education of health care staff	No gap	Training programmes are being organized for all stakeholders from time to time.	PPCB & HCFs	Regular activity
5.	Adequacy of Funds	No gap	Pvt. HCFs – Funds available Govt. HCFs – Funds are arranged from time to time as per requirement.	CMO	Regular activity
6.	Compliance to Rule by HCFs and CBWTFs	No gap	The HCF are being visited by PPCB to check the compliance of BMW Rules. The HCFs are being pursued to install ETP cum STP in their premises to treat wastewater	PPCB & HCF	Regular activity
7.	District Level Monitoring Committee	No gap	Meetings are taken almost on monthly basis by DEC	District Administration & PPCB	Regular activity
8.	Wastewater Treatment	<ul style="list-style-type: none"> <li>Total HCFs Required ETP = 37</li> <li>Total HCF installed ETPs = 4</li> <li>Gap = 33</li> </ul>	HCFs are being pursued to install the wastewater treatment facility. The meetings are being held association level to get the compliance from HCFs.	PPCB	30.09.2023
9.	Disposal of radioactive materials. With the proliferation of radiotherapy, nuclear medicine, X Rays, CT Scans and other equipment's using radioactive materials. (Directions of Hon'ble NGT in OA no. 710 of 2017 dated 18.01.2021)	No gap	<ul style="list-style-type: none"> <li>Most of the Hospitals now have provided the digital X-Ray, hence no such waste is generated from digital X-ray.</li> <li>The Hospitals which have not provided the digital x-ray machine have made the agreement with the authorized agency for the disposal of its waste.</li> </ul>	Health department	Activity Completed

## 2.5 Hazardous Waste Management

### c. Current Status related to Hazardous Waste Management

Detail of Data Requirement	Present Status
No of Industries generating HW	34
Quantity of HW in the district (MT/Annum)	5870
(i) Quantity of Incinerable HW (MT/Annum)	23.52
(ii) Quantity of land-fillable HW (MT/Annum)	3788
(iii) Quantity of Recyclable/ utilizable HW (MT/Annum)	2058.48
No of captive/common TSDF	0
Contaminated Sites or probable contaminated sites	0

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

Sr. No.	Action points	Identification of Gaps	Action Plan	Responsible agency	Timeline for completion of action plan
1.	Regulation of industries and facilities generating Hazardous Waste	The hazardous waste generating industries have already been identified and inventorized.	Regular camps are being organized to pursue the industries to obtain the authorization. Also, new hazardous waste generating industries are being identified after making field visits.	PPCB	Regular activity
2.	Establishment	No gap.	The industries generating hazardous waste have already executed an agreement with TSDF and authorized recyclers for disposal of hazardous waste. However, a continuous follow	PPCB	Regular activity

			up will be made to rule out unscientific disposal of hazardous waste by the industrial unit		
3.	Training of workers involved in handling/ recycling/ disposal of HW	No gap	The workers are being trained time to time for the management and handling of hazardous waste in industrial units.	Department of Industries and PPCB	Regular activity
4.	Availability/Linkage with common TSDF or disposal facility	No gap.	The hazardous waste generating industries have already executed an agreement with TSDF and authorized recyclers for lifting of hazardous waste from their premises. However, new identification of hazardous waste generating industries is being carried out regularly.	PPCB	Regular activity

## 2.6 E-Waste Management

### e. Current Status related to E-Waste Management

Detail of Data Requirement	Present Status
Inventory of E-Waste in MT/year	Not available
Collection centers established by ULBs in the District	0
Collection centers established by Producers or their PROs	0
No authorized E-Waste recyclers / Dismantler	0

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

S. No.	Action points	Gaps in implementation	Action Plan	Responsible agency	Timeline for completion of action plan
1	Inventory / Generation of E-Waste / Bulk-waste generators	Inventorization of E-Waste / bulk waste generator is under process.	To inventorize / identify all the e-waste generating establishments and bulk generators.	PPCB	30.09.2023
2	E-Waste collection points	Already provided	Already established	MCs/NPs	Activity completed
3	Linkage among Stakeholders to channelize E-Waste	Linkage among Stakeholders is being done	Work under progress	MC/NP	31.12.2023
4	Regulation of Illegal E-Waste recycling / dismantling	Not initiated	Surprise visits will be made to identify illegal e-waste recyclers / dismantlers	District Administration & PPCB	Regular activity
5	Integration of informal sector	Being done.	Being prepared.	District Administration & PPCB	31.12.2023
6	Awareness and Education	Initiated	Special workshops and awareness campaigns through Producers/ PROs is being carried out	District Administration & PPCB	Regular activity
2.	Identification of Producers who have not obtained, EPR Authorization (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Initiated	This is a continuous activity and will be followed.	SPCBs/ PCCs/Custom department	Regular activity

8.	Verification of quantity of e-waste collected by producers (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Yet to initiate	This is a continuous Activity. All the EPR Authorized Producers will be verified.	PPCB	Regular activity
9.	Verification of systems provided by producers for collection and channelization of e-waste. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Yet to initiate.	This is a continuous activity. All the EPR authorized producers will be verified.	PPCB	Regular activity
10.	Verification of facilities of dismantlers and recyclers for their infrastructure and records. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Yet to initiate.	This is a continuous activity. All the dismantlers/recyclers will be verified.	PPCB	Regular activity
11.	Checking of informal trading, dismantling, and recycling of waste. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Yet to initiate.	Quarterly drive will be carried out checking of this activity.	District Administration/ PPCB	Regular activity
12.	Governance framework for monitoring compliance. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Yet to initiate.	Regular Monitoring will be carried out to check the compliance.	District administration/ PPCB.	Regular activity
13.	Capacity building at district level. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	No gap	Workshops/seminars to educate functionaries is being organized on regular basis.	District Administration, PPCB & Local bodies.	Regular activity
14.	IEC plan be firmed up and executed. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	No gap	IEC plan has been prepared by state and being implemented in all ULBs widely.	District Administration, PPCB & Local bodies.	Regular activity

15.	Strengthen system of enforcement. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	No gap	Being carried out from time to time.	District Administration, PPCB & Local bodies	Regular activity
16.	Allocation of proper space to the existing and upcoming industrial units for e-waste dismantling and recycling. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Not initiated	There is 1 no. industrial estate, Malerkotla. Proposal is being prepared for allocation of space to the e-waste dismantling and recycling units	PSIEC	Under consideration.
17.	Recognition and registration of workers involved in dismantling and recycling, undertake industrial skill development activities for the workers involved in dismantling and recycling. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	No gap	Recognition and registration of workers involved in dismantling and recycling and industrial skill development activities for the workers involved in dismantling and recycling will be done on regular basis	Labour Department	Regular Activity
18.	Annual monitoring to ensure health and safety of workers involved in such activities. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	No gap	Will be Ensured on Annual basis.	Director of Factories	Regular Activity
19.	Separate waste deposition centers for domestic E-waste which helps in easy segregation of E-waste. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Not gap	Already completed	All Local Bodies	Activity completed.

### 3.0 AirQualityManagement

#### a. CurrentStatusrelatedtoAirQualityManagement

DetailsofDataRequirement	PresentStatus
Number of Automatic Air Quality monitoringstationsinthedistrict. - Operated by SPCB / State Govt / Centralgovt./PSUagency: - OperatedbyIndustry:	0 3
Number of manual monitoring Stationsoperated bySPCBs	2
Nameoftowns/citieswhicharefailing tocomply with national ambient air qualitystations	0
No. ofairpollutionindustries	432
No. of units installed APCD	432
Status of Air consent	432 (once granted)
Prominentairpollutingsources	Paper Industry / Lead Processing / Induction Furnace / Food Processing / Milk Plants / Rice Shellers / Brick Kilns/ Burning of Waste stubble / Vehicular pollution.

#### b. Identificationofgapsandactionplan:

S. No.	Actionpoints	IndicativeActionPlan	Responsible agency	Timelineforcompletionof actionplan.
1.	Identificationofprominentairpollutingsources?	Small scale Industry (brick kiln & rice sheller), Unpaved Roads, Burning of Waste Stubble & Vehicular pollution.	PPCB, PWD & Agriculture Department	Regular activity
2.	AmbientAirquality data?	Two no. air quality monitoring stations have already been installed at village Naudharani& MC Malerkotla. The data of said stations is being uploaded on official website of PPCB on regular basis. Web link: <a href="http://ppcb.gov.in/en/air-quality">ppcb.gov.in/en/air-quality</a>	PPCB	Regular Activity
3.	Settingup of ContinuousAmbient Air Quality MonitoringStation (CAAQMS)	At present, there is no proposal for installation of CAAQMS at District Malerkotla as this district does not falls in the list of non-attainment cities.	PPCB	Not required

4.	DistrictLevelActionPlanforAir Pollution	District Malerkotla does not falls in the list of non-attainment cities. Hence not applicable.	PPCB	Not yet prescribed
5.	Hotspotsofair pollutioninDistrict	District Malerkotla does not falls in the list of non-attainment cities. Hence not applicable.	PPCB	Not yet prescribed
6.	Awarenesson AirQuality	Awareness is being carried out on regular basis. The data of air quality monitoring station is also uploaded on official website of PPCB to create awareness to the public. Web link: <a href="http://ppcb.gov.in/en/air-quality">ppcb.gov.in/en/air-quality</a>	PPCB	Regular activity
7.	Conversion of Natural Draft Brick Kilns to Induced Draft Brick Kilns	All the operational brick kilns have already been converted into induced draft technology	PPCB	Activity already completed
8.	Maintain pothole free roads / timely patchwork on roads	Patchwork of roads is a continuous process. As and when potholes are developed, the same are got repaired as soon as possible.	PWD	Regular activity
9.	Plantation of trees along highways, drains, Nallahs in colonies and canals etc.,	Plantation is being carried out from time to time.	MCs/NPs	Regular activity
10.	Greening of parks, open areas, community places, schools and housing societies	Plantation drive will be carried out on regular basis to have a more plantation at different locations.	PPCB, Forest Dept.	Regular activity
11.	Kaccha/Brick Paved Roads to be made Pucca roads	The Paved roads/kaccha roads have been converted into pucca roads in each ULBs.	MCs/NPs	Activity Completed
12.	Existing roads requiring recarpeting	The roads of ULBs presently are in good condition. The re-carpeting will be done as and when required.	MCs/NPs	Regular activity
13.	Public awareness campaign for control of vehicular emissions	The camps are being organized on regular basis. Facebook, Twitter & Instagram) is also being used to spread traffic awareness. Quarterly camp will be organized for awareness.	Traffic Police, Transport Department	Regular activity

14.	Extensive drive against polluting vehicles	This drive against polluting vehicles has already been initiated by the Police department.	Traffic Police	Regular activity
15.	Prevention parking of vehicles in non-designated areas by enforcement actions	This drive has already been initiated by the Police department to prevent parking of vehicles in non-designated areas. Challans are also been issued to the violators.	Traffic Police	Regular activity
16.	Phasing out commercial diesel vehicles more than 15 years old	Scheme under consideration.	Transport	31.12.2023
17.	Promotion of E-Vehicles	Promotion of E-vehicles is being carried out.	Transport	Regular activity
18.	Infrastructure development for additional of CNG based autos/taxis	Infrastructure will be developed to promote CNG based autos/taxis. Also IEC activities will be carried out to create awareness in this regard.	DFSC	Regular activity
19.	Control of open burning of biomass.	Regular monitoring is being done in each ULB.	MCs/NPs	Regular activity
20.	Dissemination of Air Quality Index by installing CAAQMS	At present, there is no proposal for installation of CAAQMS at District Malerkotla as this district does not falls in the list of non-attainment cities.	PPCB	Not yet prescribed
21.	Dissemination of Air Quality Index by installing display boards in the city	At present, there is no proposal for installation of CAAQMS at District Malerkotla as this district does not falls in the list of non-attainment cities.	PPCB	Not yet prescribed
22.	Quality Management Division(AQMD) at PPCB (HQ)Establishment of an Air Quality Monitoring Station	Adready done	PPCB	Activity completed
23.	Establishment helpline in each city as well as SPCB (HQ)	Head Office level Helpline number is 1800 120 3667 for whole of the state.	PPCB, Lab	Completed
24.	Scope for public participation on remedial measures like plantations. (Directions of Hon'ble NGT in OA no. 360/2018 dated 05.07.2021)	Plantation and maintenance will be done by public participation mode.	Department of forest	Regular Activity

25.	For development of plantation along the highways.	This derive will be carried out on regular basis for development of plantation along the highways.	PWD& Deptt. of Forest	Regular Activity
26.	Steps to be taken for management of agriculture waste/residue	<ul style="list-style-type: none"> <li>• In order to management of agriculture waste / residue, Deptt. of Agriculture is providing machines to the farmers by giving subsidy on the rates.</li> <li>• IEC activities like farmer training camps, Hoarding and field demonstrations are also being carried out to spread the awareness amongst the farmers.</li> </ul>	Agriculture department	Regular Activity.

#### 4.0 WaterQualityManagement

##### 4.1 WaterQualityMonitoring

###### a. CurrentStatusrelatedtoWaterQualityManagement

DetailsofDataRequirement	PresentStatus
Rivers	0
Lengthof Coastline(if any)	0
Nalas/Drains/Creeksmeeting Rivers	0
Lakes/Ponds	329
Total Quantity of sewage from townsandcities inDistrict	28.5 MLD
Quantityofindustrialwastewater	11.5 MLD
Percentageofuntreated sewage	100 %
Details of bore wells and numberofpermissionsgivenforextraction of groundwater	No of Borewell / Tubewells as per PWRMDC =91 (Govt. only)
Groundwaterpollutedareas ifany	0
Pollutedriverstretches ifany	0

###### b. Identificationofgapsandactionplanforwaterqualitymonitoring:

S. No.	Actionpoints	GapsandActionPlan	Responsible agency	Timeline forcompletion ofactionplan
1.	Inventoryofwater bodies	The inventory of water bodies has already been made by the concerned department.weblink: <a href="http://irrigation.punjab.gov.in">irrigation.punjab.gov.in</a>	Drainage Deptt.	Regular activity
2.	Qualityofwaterbodiesinthedistrict	The monitoring of drains is being carried out and data is being maintained. weblink: <a href="https://irrigation.punjab.gov.in/en">https://irrigation.punjab.gov.in/en</a>	Department of Irrigation, Drainage Department & Xen Panchayati Raj and PPCB	Regular activity
3.	Hotspots of watercontamination	Being identified.	PPCB	Regular activity
4.	Protectionofriver/lakewaterfront	Awareness is being carried out in the public to stop the dumping of solid waste in drains/Nallah. Patrolling along the drains is also being carried out by the	MCs/NPs & Deptt. of Drainage.	Regular activity

		concerned departmentsto rule out the disposal of solid waste in an around water bodies.		
5.	Inventoryofsourcesofwaterpollution	Source of pollution into drains / nallahs is being identified.	MCs/NPs, Drainage department & PPCB	Regular Activity
6.	Oil spill disastermanagement(f orcoastaldistricts)	NA	NA	NA
7.	Protectionoffloodplains	NA	NA	NA
8.	Rejuvenation ofgroundwater	Actionplan for Rainwaterharvesting has already been prepared by CGWA. weblink: cgwb.gov.in	CGWA	Regular Activity
9.	Complaints redressalsystem	MobileApp/Online Complaints redressalsystem already developed. weblink: publicgrievancepb.gov.in	PPCB	Activity completed

## 4.2 Domestic Sewage

### a. Current status related Domestic Sewage

DetailsofDataRequirement	PresentStatus
No ofClass-IItownsandabove	2
No. ofClass-Itowns andabove	1
No.ofTowns STPsinstalled	0
No. ofTownsneedingSTPs	3
No.ofULBshavingpartialunderground seweragenetwork	3
No. oftownsnot havingsewerage network	0
TotalQuantityof Sewage generatedin District fromClass IIcities andabove	28.5 MLD
Quantity of treated sewage flowing into Rivers (directlyorindirectly)	0
Quantity of untreated or partially treated sewage(directlyorindirectly)	28.5 MLD
Quantityofsewageflowingintolakes	0
<b>Totalavailable TreatmentCapacity</b>	<b>0</b>

### b. Identificationofgapsandactionplanfortreatmentofdomesticsewage:

S. No.	Actionpoints	GapsandActionPlan	Responsible agency	Timelineforcompletionof actionplan
1.	Sewage Treatment Plants (STPs)	MC Malerkotla: STP of capacity 22 MLD is under installation. About 93 % civil work has already been completed	MC and PWSSB	31.12.2023
		MC Ahmedgarh- STP of capacity 5 MLD is under installation. About 53 % civil work has already been completed.	MC and PWSSB	31.12.2023
		NP Amargarh The work of STP of capacity 1.5 MLD is yet to start due to case pending in Hon'ble Court	MC and PWSSB	31.03.2024
2	Underground sewerage network	The status of seweragenetwork for different towns of Distt. Malerkotla is as under: Ahmedgarh –30 % Amargarh – 80 %	PWSSB	31.12.2023

		Malerkotla – 93 % The DPR for remaining work has been prepared to complete pending work.		
3.	Operation and Maintenance of STPs (i) Arranging funds for operation and maintenance of STPs to ensure regular operation and maintenance of STPs in a professional manner	Proposal yet to be prepared	MC /NP &PWSSB	31.12.2023
	(ii) Providing proper in-house laboratory facilities at each STP for maintaining record of characteristics of analysis of untreated as well as treated waste water	Proposal yet to be prepared	MC /NP&PWSSB	31.12.2023
4.	Provision of necessary treatment facilities in village ponds so that no untreated or polluted water enters river directly or indirectly through various drains or creeks. (i) Finalization of appropriate technology	Technology already finalized	DDPO/ EE, Panchayati Raj	Activity completed
	(ii) Arrangement of Funds for treatment technology in various villages identified in the Action Plan	For 70 no. of village ponds, 70 funds have been arranged. The work for arrangement of funds for the remaining village is under process. 44 village ponds completed and 26 village ponds in progress.	DDPO& Xen Panchayati Raj	31.12.2025
	(iii) Reuse of water for agriculture purpose in villages.	For 8 no. of village ponds, solar pumps has been installed for irrigation purpose. Work on villages (for 24 no. ponds) is under progress. Remaining will be implemented in due course of time.	DDPO, Soil conservation department, PED& Xen Panchayati Raj.	31.12.2023
	(iv) Proper operation and maintenance of treatment facilities installed in village ponds	In 44 no. of village ponds, operation and maintenance of treatment facilities is being carried out. The work for remaining villages will be implemented in due course of time.	DDPO& Xen Panchayati Raj	31.12.2025
5.	(i) Checking of health indices of the in-habitants & maintain database.	Camps are organized on monthly basis	The Department of Health	Regular activity

	(ii)Holding awareness camps in the catchment area of River Sutlej to make the public aware regarding water borne diseases		and Family Welfare	
6.	Setting up of additional water bodies/water harvesting structures	Action plan for setting up of additional water bodies/water harvesting structure is yet to be prepared.	MCs/NPs	31.12.2023
7.	Guidelines for control of pollution and enforcement of Environmental Norms in marriage halls, banquet halls, etc. along with consent management system. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	Being implemented as per guidelines framed by CPCB	PPCB	Regular Activity
8.	Installation of ETP in all big units (marriage halls, banquet halls, party venues etc) which are not connected with the sewer lines. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	Being implemented as per guidelines framed by CPCB	PPCB	Regular Activity
9.	All the units having kitchen should have proper ducting arrangement. The units using DG sets must have the proper stack height. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	Being implemented as per guidelines framed by CPCB	PPCB	Regular Activity
10.	The local authorities/corporations should carry out inventory of the dairy farms and gaushalas. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	prepared.	MCs/NPs	Completed
11.	The local bodies/municipal corporations shall publish a public notice in newspapers and on their website for registration of dairy farms and gaushalas as per municipal law. (Directions of Hon'ble NGT in OA no. 400/2017 dated	The Public notice will be given in the Newspaper and on the website of local body for registration of dairy farms and gaushalas.	MCs/NPs	31.12.2023

	04.02.2021)			
12.	The District Collectors of all the Districts are directed to constitute monitoring committees to monitor the Extraction of Ground Water by the individuals for commercial purposes. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Such Committees has been constituted	District Administration	Completed
13.	There must be no general permission for withdrawal of ground water, particularly to any commercial entity, without environment impact assessment of such activity on individual Assessment units in cumulative terms covering carrying capacity aspects by an expert committee. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Noted for compliance and will be assured.	All local bodies & DDPO	Regular activity
14.	All Overexploited, Critical & Sensitive (OCS) assessment units must undergo water mapping. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Water mapping of all the OCS assessment units has been carried out as per the guidelines of GOI as per GEC-2015 Methodology by taking Block as a Unit of Assessment. The data of years 2015-19 has been taken for assessing the same recently.	Water Resources	Activity Completed
15.	Water Management Plans need to be prepared for all OCS assessment units in the country based on the mapping data, starting with Overexploited blocks. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Punjab Government has engaged M/s Mekorot, National Water Company of Israel to formulate the Water Conservation and Management Master Plan for the State of Pb. and their final recommendations is likely to be submitted by Dec, 2021.	Water Resources	31.12.2023
16.	The Water Management Plans, data on water availability or scarcity and policy of CGWA must be uploaded on its website for transparency and public involvement. (Directions of Hon'ble NGT in OA no. 176/2015 dated	Noted for compliance and will be assured.	CGWB	Activity completed

	20.07.2020)			
17.	The District Magistrates have been directed to take up one pond per village for its rejuvenation, this year. (Directions of Hon'ble NGT in OA no. 325/2015 dated 18.11.2020)	A) Till date 44 ponds have been rejuvenated/restored. B) Rest 261 will be restored upto 31.12.2025.	DDPO	31.12.2025
18.	Active efforts be made in close coordination with technical bodies to tap excess runoff of rivers/canals during rainfall season to recharge old water bodies and retain water in new ponds to be constructed specifically for the purpose (Directions of Hon'ble NGT in OA no. 325/2015 dated 18.11.2020)	A proposal will be prepared in coordination with technical bodies to tap excess run of rivers / canals to rainfall season to recharge old water bodies and to retain water in new ponds.	Irrigation / Drainage department / Local Bodies	31.12.2024
19.	Land owning agencies must ensure that every water body has unique ID for its identification. There should be retagging of the water bodies to prevent encroachment. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Already implemented	Drainage Department	Activity Completed
20.	Awareness among public to set up Rainwater Harvesting System and about its utility should be enhanced. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Being carried out by all ULBs.	Local Bodies	Regular Activity
21.	Installation of STP will be mandatory for all residential apartments/group housing societies where groundwater requirement is more than 20 m3/day for getting NOCs. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Directions are already being followed.	MCs/NPs	Regular Activity
22.	Comprehensive plan to install flow meters at	Directions will be followed. Time line for Preparation of	PWSSB	Time line for Preparation of

	various locations to carry out daily real time monitoring of the city's water supply network. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	plan = 31.12.2022.		plan by 31.12.2023 Time line for implementation of plan by 31.03.2024
23.	Control of illegal extraction of groundwater. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Inspections are being made to control illegal extraction of ground water.	All Local Bodies	Regular Activity
24.	Review of District Environmental Plan activities at different levels of District Heads and District Magistrate. (Directions of Hon'ble NGT in OA no. 360/2018 dated 05.07.2021)	The Activities of District Environmental Plan will be reviewed on monthly basis by the District Heads and at the level of Deputy Commissioner.	District Heads of concerned departments and District Administration.	Regular activity
25.	Appointment of Nodal officer with contact number	All the departments have appointment the Nodal officer	All concerned departments	Completed
26.	Preparation of operational manual of STPs for the effective and efficient operation of the STPs of the state.	Already prepared and circulated.	PPCB	Activity Completed
27.	Enhancement of capacity of existing ponds/ water bodies and creating of new water harvesting structures.	A. Existing Ponds(Total) = 331 B. No. of Ponds whose Capacity has been enhanced = 120 C. New ponds = Nil Source of Funds above activities: Gram Panchayat Fund, Finance Commission, MGNrega.	DDPO	31.12.2025
28.	Usage of treated sewage for sprinkling purposes for sweeping of roads to control dust pollution.	The treated sewage of District Malerkotla will be used for sprinkling purposes for sweeping of roads to control dust pollution.	MC/NP	Regular activity
29.	Mapping of the rivers and flood plain zones in the catchment area of rivers of the State.	NA	NA	NA
30.	Utilization of STPs sludge	NA as STPs are yet to be commissioned	MC /NP	NA
31.	Framing policy for the management of highly	Progress achieved: State level policy matter and time target	DDPO	Policy will be framed by

	contaminated Feecal sludge generated from the rural areas.	for framing of policy will be informed after taking up matter at higher level.		31.12.2023. Implementation = 30.04.2025
32.	Reuse of treated effluent through existing STPs (OA no. 496/2016 dated 22.01.2021)	The installation work of 3 no. STPs are under progress.	Department of Soil conservation ULBs/PWSSB	31.12.2023
33.	Reuse of treated effluent through <b>proposed STPs (New STPs)</b> (OA no. 496/2016 dated 22.01.2021)	As and when new STPs are installed and made operational, treated waste water will be re-used for irrigation purpose	Department of Soil conservation ,ULBs/PWSSB	---
34.	Installation, operation & maintenance of online continuous effluent monitoring system with flow meter as well as CCTV cameras for the existing STPs as well as new STPs to be installed.	The work of 3 no. STPs are under progress. After completion the work of STPs, the OCEMS & CCTV will be installed, thereafter. MC Malerkotla - 31.12.2023 MC Ahmedgarh-31.12.2023 NP Amargarh-31.03.2024	MCs/ NP& PWSSB	MC Malerkotla - 31.12.2023 MC Ahmedgarh- 31.12.2023 NP Amargarh- 31.03.2024
35.	Activity w.r.t. In-situ remediation technology to be provided in the drains carrying untreated sewage.	Proposal Yet to prepare	MCs/NPs	31.12.2023

## 5.0 Industrial wastewater management

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

Number of Red, Orange, Green and White industries in the District	Red Category unit = 81, Orange Category unit = 521 Green Category unit = 55
No of Industries discharging wastewater	77
Total Quantity of industrial wastewater generated	11.5 MLD
Quantity of treated industrial wastewater discharged into Nalas/ Rivers	0
Common Effluent Treatment Facilities	Installed = 0 Under installation = 0
No of Industries meeting Standards	Regular activity, as industries are being monitored as per protocol prescribed by CPCB / PPCB
No of Industries not meeting discharge Standards	Regular activity, as industries are being monitored as per protocol prescribed by CPCB / PPCB

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

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Compliance to discharge norms by Industries	Necessary action is being taken against the industries not meeting the standards.	PPCB	Regular activity
2.	Complaint redressal system	Online compliant portal already developed. Web link: <a href="http://publicgrievancepb.gov.in">publicgrievancepb.gov.in</a>	PPCB	Activity complied
3.	Installation of Electromagnetic flow meters at inlet and outlet of ETP.	The water polluting industrial units have already installed the EMF meters. However, inspections will be made to check its functioning and records being maintained by the said industries.	PPCB	Activity completed
4.	Inspection of units to check compliance	Industrial units are being inspected as per the protocol prescribed by the Board.	PPCB	Regular activity

## 6.0 MiningActivityManagementplan

### a. CurrentStatusrelatedtoMiningActivityManagement

DetailsofDataRequirement	ExistingMiningoperations
TypeofMining Activity	No mining activity is carried out in the jurisdiction of district Malerkotla
NooflicencedMiningoperations intheDistrict	NA
% Areacovered underminingin the District	NA
AreaofSand Mining	NA
Areaofsand Mining	NA

### b. Identificationofgapsandactionplan:

S. No.	Actionpoints	GapsandActionPlan	Responsiblea gency	Timelinefor completion of actionplan
1.	Monitoring of Miningactivity	No mining activity is carried out in the jurisdiction of district Malerkotla	Department of water resources	-
2.	Inventoryofillegalminingif anymining	No mining activity is carried out in the jurisdiction of district Malerkotla	Department of water resources	-
3.	EnvironmentcompliancebyMin ingindustry	No mining activity is carried out in the jurisdiction of district Malerkotla	Department of water resources	-

## 7.0 NoisePollutionManagementplan

### a. CurrentStatusrelatedtoNoisePollutionManagement

DetailsofDataRequirement	MeasurableOutcome
No.ofnoisemeasuringdevices available with various agencies indistrict	Noofanalyzer available= 0

### b. Identificationofgapsandactionplan:

S. No.	Actionpoints	GapsandActionPlan	Responsiblea gency	Timeline forcompletion of actionplan
1.	AvailabilityofSound/NoiseLevelMeters.	Required –3 Available – 2 Gap -1	Police Department	31.12.2023
2.	Ambient Noise Level monitoring.	Yet to install	PPCB	31.12.2024
3.	Signboardsin Noisezones	Signboards are installedatsensitive zones. However, sign boards in other areas are yet to install	ULBs	31.12.2023
4.	Complaint redressing system	Publiccomplaint redressal system already established inthe district. Web link: <a href="http://publicgrievancepb.gov.in">publicgrievancepb.gov.in</a>	PPCB, PoliceDeptt. & DistrictAdmini stration	Activity completed
5.	Checking of pressure horn of vehicles	Regular checking of vehicle is being done by the police department and PPCB.	Police Department & PPCB	Regular activity.