

# OFFICE OF THE DEPUTY COMMISSIONER, BATHINDA

No. PPCB/R.O.BTI/1919

Dated: 02/08/2023

To,

The Secretary,  
Deptt. Of Science Technology & Environment, Govt. of Punjab,  
Chandigarh

**Subject: Submission of Updated District Environment Plan of District Bathinda.**

It is intimated that the District Environment Plan for Bathinda was earlier sent vide letter no. 5548 dated 31.08.2021. Now, it was directed to update the District Environment Plan. The necessary updations have been made in the District Environment Plan after obtaining the data from the stakeholder departments.

As such, the amended updated District Environment Plan for District Bathinda is sent herewith for your information and further necessary action please.

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r  
Deputy Commissioner  
Bathinda

(P)

Endst. PPCB/R.O.BTI/1920-21

Dated 02/08/2023

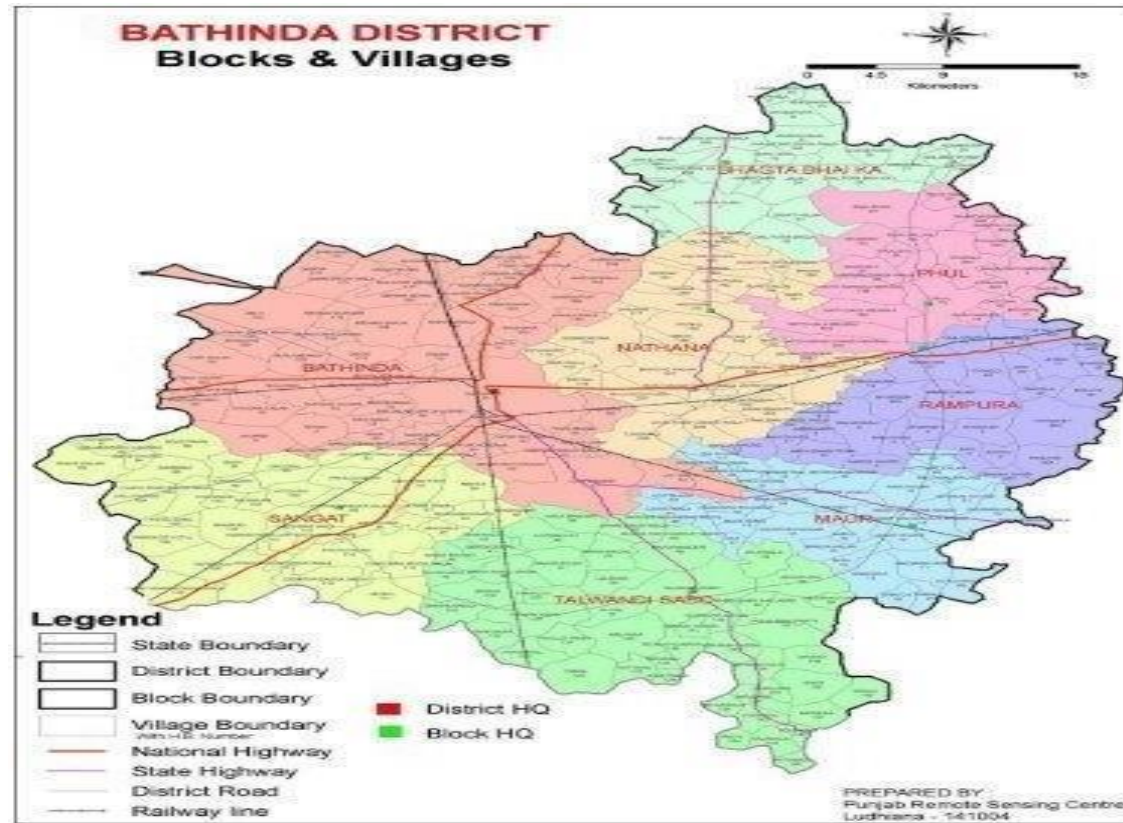
A copy of the above is forwarded to the following for information.

1. Member Secretary, Punjab Pollution Control Board, Head Office, Patiala
2. Director, Directorate of Environment & Climate Change, MIGSIPA, Sector 26, Chandigarh.

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r  
Deputy Commissioner  
Bathinda

(P)

# District Environment Plan-Bathinda



## District Administration - Bathinda





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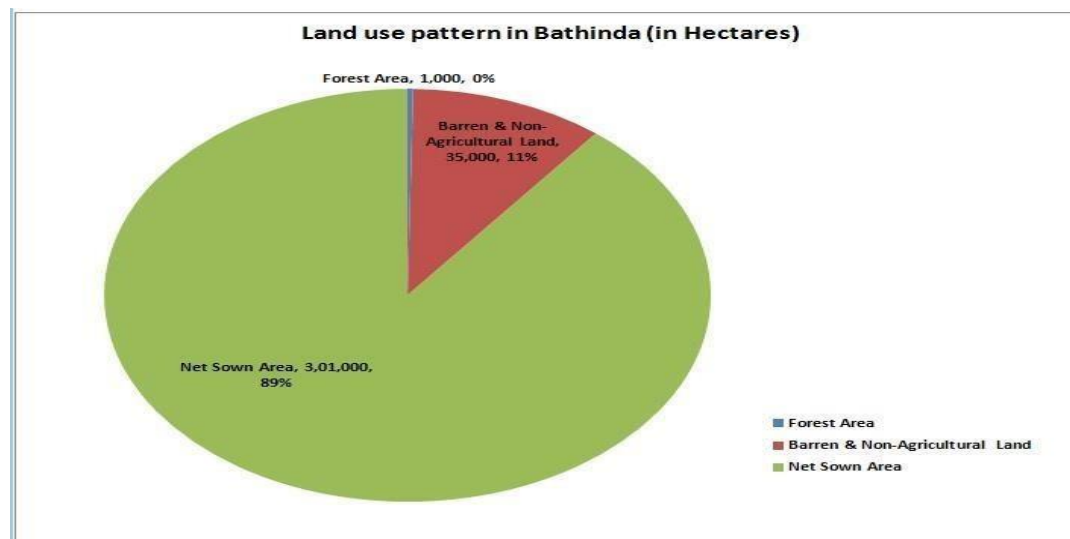
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## 1. DISTRICT PROFILE

Bathinda District is situated in the Southern part of Punjab State in the heart of Malwa region. It forms part of newly created division Faridkot Revenue Commissioners Division and is situated between 29 o-33 & 30o-36 North latitude and 74o-38 and 75o-46 East longitude. The district is surrounded with Sirsa and Fatehabad of Haryana State in the south, Sangrur and Mansa district in the East, Moga in the North-east and Faridkot & Muktsar in the North-west. The total population of District Bathinda is 13.9 Lakhs (as per 2011 census), out of which male population is 7.43 Lakhs and female population is 6.45 Lakhs as per 2011 census. The total area of the district is 3353 sq. Kms. Female literacy rate is 61.94%.

**The District Bathinda have 4 tehsils (Bathinda, Rampura Phul, Maur and Talwandi Sabo) and have 9 no. blocks (Bathinda, Sangat, Nathana, Rampura, Phul, Bhagta, Goniana, Talwandi Sabo and Maur).**

Out of total geographical area of 336725 hectares, an area of 280980 hectares is cultivable out of which an area of 280642 hectares is under cultivation which constitutes 83.35 % of the geographical area. The area under forest is 5862 ha. The detailed land utilization pattern is given below in table. Area under agriculture crops is 251629 ha. (90%), fruit crops 4086 hectares (1.5%), vegetable crops 8814-hectare (3%) fodder crops 15046 hectares (5.5%).



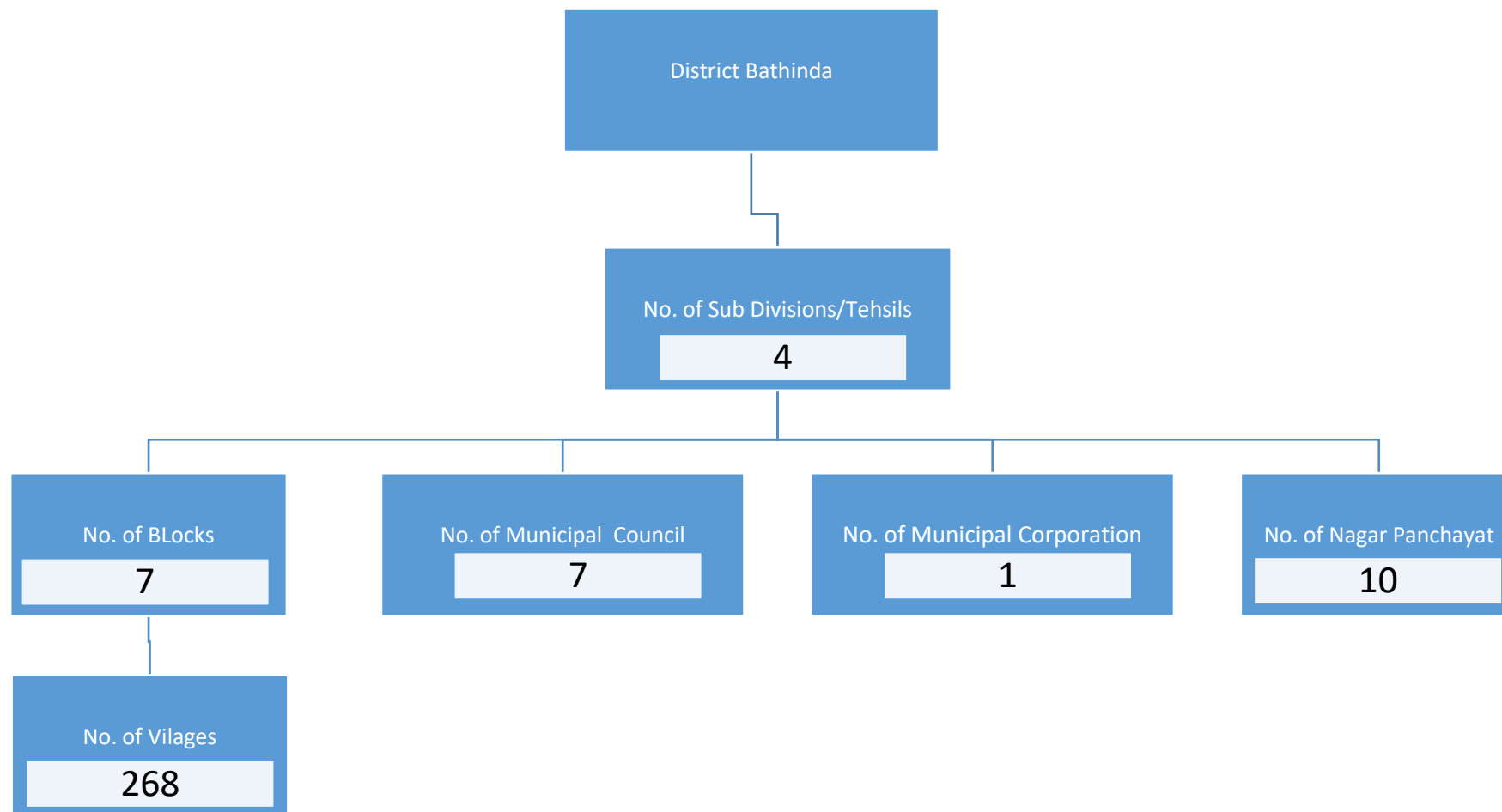
The district is situated within the Sutlej-Ganga plain. The soil is sandy to clay loam in texture and sand dunes are conspicuous in Talwandi Sabo and Sangat blocks. The industrious farmers of the district have changed the profile of the district from the desert to a thriving green field and made it one of the leading agriculture districts.

The state of Punjab is divided into six agro-climatic regions namely Sub-Mountainous undulating region, undulating plain region, central plain region, western plain, western region and flood prone region. However, district Bathinda falls under western plain and western region. The district lies in the South western regions of the state and is far away from the Shivalik ranges in the North of the state. It is the nearest to the Thar Desert of Rajasthan and also far away from the major river lines that run through the state. Therefore, climatically the district Bathinda experiences extremes of climate situations. Summers are extremely hot and winter is very cold. The year may be divided into three seasons. The cold winter (November to February), hot dry summer (March to June) and mild rainy season (June to September). Dust storms are a regular feature in summer seasons. The monsoon is scanty and meagre which generally starts in the first fortnight of July. The major part of which is received during the month of June, July, August and September with a few showers of rain during winter months.

The District Bathinda have 7 blocks, the detail of which is given as under:

Sr. No	Block	Status	Zone
1.	BATHINDA	Over- exploited	Yellow
2	MAUR	Over- exploited	Yellow
3.	NATHANA	Semi-Critical	Green
4.	PHUL	Over- exploited	Yellow
5.	RAMPURA	Safe Green	Green
6.	SANGAT	Safe Green	Green
7.	TALWANDI SABO	Safe Green	Green

**(i) District Administrative Set-up**





**(ii) Local institutions**

In District Bathinda, there are total 4 Sub-Divisions/Tehsils. There are 7 Blocks, 7 Municipal Council and 10 Nagar Panchayat. There are total 268 Villages in the District.

**(iii) Natural Resources**

**a. Water Bodies**

No River is passing through Bathinda District. There is no major water body passing through District Bathinda except Sirhind Canal, which is the major source of water supply in District Bathinda. However, there are number of perennial and non perennial drains, which passes through District Bathinda. There is no industry which discharges its treated or untreated trade effluent into any of the perennial or non perennial drains of District.

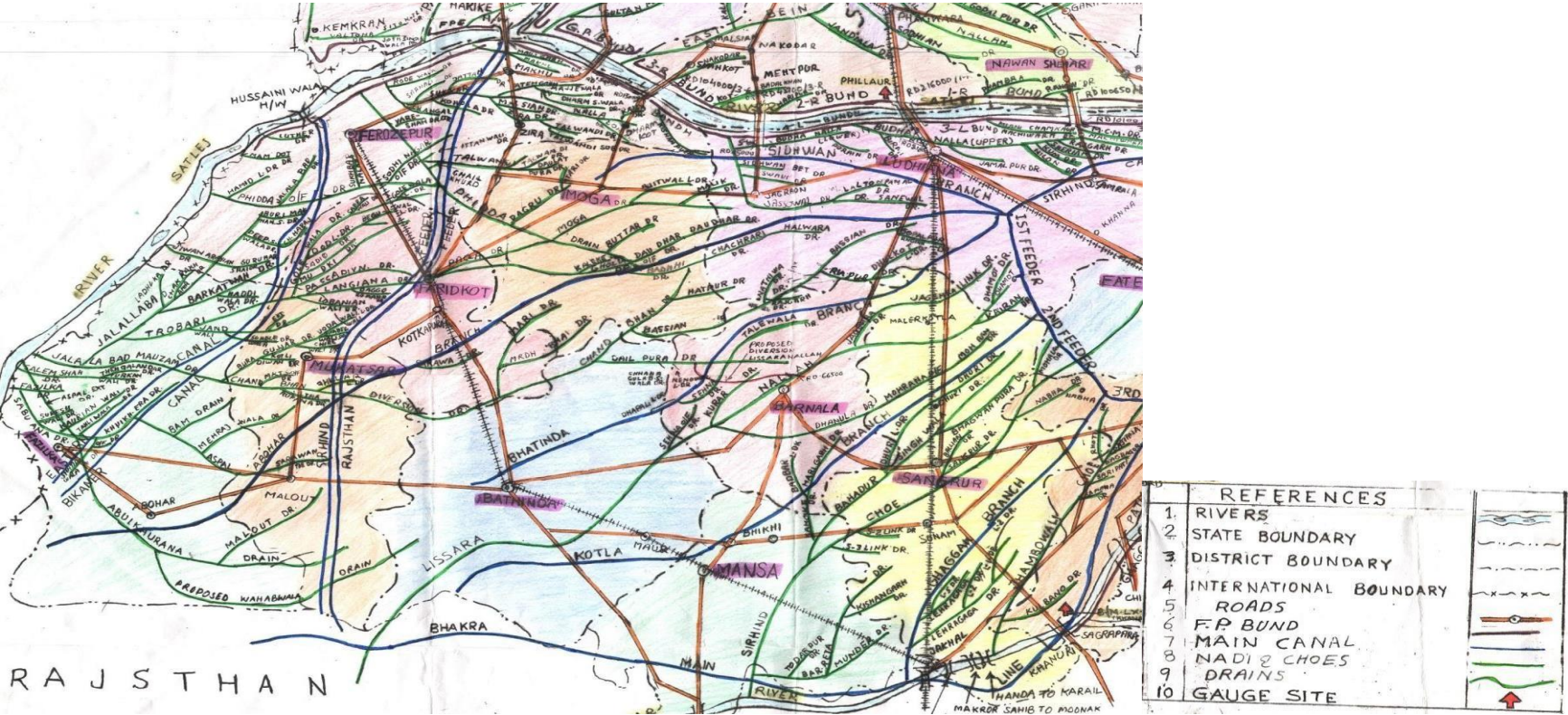
There are 2 no. drains i.e. Lissara Drain and Chand Bhan Drain which passes through District Bathinda, the details of these drains is as under:

**Lissara Drain:**

Lissara Drain originates at Malerkotla in District Sangrur which passes through District Bathinda and a number of towns / villages discharges their domestic waste water into this drain. The treated domestic waste water of various towns i.e. Rampura Phul, Bhucho, Kot Fatta, Maur, Talwandi Sabo, Sangat, Bathinda Corporation is discharged into this drain. The untreated waste water of other towns i.e. Mehraj, Kotshamir, Lehra Mohabbat, Raman Mandi is also discharged into this drain. However, the Punjab Water Supply & Sewerage Board has prepared the DPRs of these towns for installation of STPs, which under progress. The drain has been blocked by Haryana Govt. at border village Doomwali, District Bathinda and the waste water of various villages stagnates there and some farmers uses this water for irrigating their crops as and when required. There is no industry which discharges its treated or untreated trade effluent into this drain.

Chand Bhan Drain originates at village Loppo in District Moga which passes through District Bathinda and a number of towns /villages discharges their domestic waste water into this drain. The untreated waste water of various towns i.e. Bhagta Bhai Ka, Bhai Rupa, Nathana, Kotha Guru and Maluka is discharged into this drain. However, the Punjab Water Supply & Sewerage Board has prepared the DPRs of these towns for installation of STPs, which under progress. The drain leaves District Bathinda and enters District Faridkot and then passes through District Sri Muktsar Sahib and District Fazilka and ultimately merge in River Satluj. There is no industry which discharges its treated or untreated trade effluent into this drain.

The map showing the various drains of District Bathinda is as under:



**b. Availability of water resources**

The major source is surface water as well as ground water. However as per CGWA/ PWRDA report the ground water development in 7 blocks of the District has been categorized as 3 in yellow zone and 4 in green zone.

**c. Forest coverage**

The Detail of Forest area of District Bathinda is as under:-

Sr. no.	Category of area	Ownership	Area in Ha
1.	Reserve Forests	Govt., of Punjab	0.00
2.	Protected Forest	Govt., of Punjab	242.30
3.	Protected Forest	GOI (PF)	0.00
4.	Un-classed Forest	Govt., of Punjab	760.33
<b>Total Block Forest</b>			<b>1002.63</b>
<b>Strips Forest (Protected Forest)</b>			
5.	Road Strips (P.F)	Govt., of Punjab	1097.37
6.	Railway Strips (P.F)	Govt., of Punjab	713.35
7.	Canal Strips (P.F.)	Govt. of Punjab	2736.17
8.	Drain Strips(P.F)	Govt. of Punjab	1072.37
9.	DHussi Bands (P.F.)	Govt. of Punjab	0.00
<b>Total Strips Forest (Protected Forest)</b>			<b>5619.26</b>
<b>Total Forest Area</b>			<b>6621.89</b>

**(iv) Geography & Demography**

<b>Sr. No.</b>	<b>Title</b>	<b>District Bathinda</b>	<b>Punjab State</b>
1.	Area (Sq Km)	3353	50,362
2.	Population (in Lakh)	13.88 lakhs	277.04
3.	Rural Population (in Lakh)	8.89 lakhs	173.2
4.	Urban Population (In Lakh)	4.99	103.84
5.	% Increase in Population (2001-2011) (Decennial Growth rate)	17.34	13.55
6.	Density of Population (per Sq km)	414	550
7.	Literacy %	68.28	76.7
8.	Sex Ratio ( Females per thousand)	868	893

The total area of District Bathinda is 3353 km<sup>2</sup> having population 13.9 lakhs. The rural population of District Bathinda is 8.91 lakh and urban population of District Bathinda is 4.99 Lakh. The literacy rate of District Bathinda is 68.28.

**(v) Land-use pattern**

<b>Sr. No.</b>	<b>Title</b>	<b>Data of District Bathinda</b>
1.	Total Geographical Area (in Sq km)	3353
2.	Area under Forest (in Ha)	242.30
3.	Net Area Sown (In Ha)	279526
4.	Gross Cropped Area (in Ha)	558604
5.	Total Area irrigated (in Ha)	278703
6.	% of Net Area irrigated to Total area sown	99.77% (approx)

The total Geographical Area of District Bathinda is 3353 km<sup>2</sup>. The Net area sown & irrigated is 279526 hectare. The gross cropped area is 558604 hectare of District Bathinda.

## **(vi) Climate**

Climatically, the Western Himalaya in the north and the Thar Desert in the south and south-west mainly influence the climatic conditions. Since the city lies far away from the Sivalik Hills, and any of the major rivers, it experiences an extreme climate situation. Summers are extremely hot, and winters very cold. The city experiences four distinct seasons - spring (February - March), summer (April - August), fall/autumn (September - October) and winter (November - January), along with the monsoon season setting in towards the later half of the summer. Summers, from early April to mid October, are typically very hot and humid, with an average daily June high temperature of 104 °F (40 °C). The season experiences heat indices easily breaking 110 °F (43 °C). Winters are very cold and foggy with few sunny days, and with a December daytime average of 37.4 °F (3 °C). The Western Disturbance brings some rain in winters that further adds to the chill. Spring and autumn are mild and pleasant seasons with low humidity. The monsoon season usually starts in the first week of July and continues till August. Thunderstorms are not uncommon during the Monsoon. The mean annual rainfall fluctuates around 425 mm. About 71 per cent of the annual rainfall in the city is received during the monsoon season.

# **ACTION PLAN**

## 1. WASTE MANAGEMENT PLAN

### (i) 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.	Municipal Corporation, Bathinda	50	53871	321000	110
2.	Nagar Panchayat, Maluka	11	1305	7981	1.00
3.	Nagar Panchayat, Mehraj	13	3564	16764	1.00
4.	Nagar Panchayat, Nathana	11	1315	7738	0.03
5.	Municipal Council, Goniana	13	3000	15208	2.00
6.	Nagar Council, Maur	17	6250	31849	4.5
7.	Municipal Council, Bhucho Mandi	13	2981	14904	3.50
8.	Municipal Council, Rampura Phul	21	10071	51023	11.5
9.	Nagar Panchayat, Bhagta Bhai Ka	13	3464	14446	1.5
10.	Municipal Council, Sangat	9	520	2941	0.9
11.	Nagar Panchayat, Lehra Mohabbat	11	1949	9792	1.0
12.	Municipal Council, Kot Fatta	11	1650	7412	1.0
13.	Nagar Panchayat, Talwandi Sabo	15	4303	20589	4.5
14.	Nagar Panchayat, Kotshamir	13	2127	10947	0.1
15.	Nagar Panchayat, Kotha Guru	11	2120	9748	0.15
16.	Nagar Panchayt, Bhai Rupa	13	3634	17211	0.15
17.	Municipal Council, Raman Mandi	15	4275	22553	5.0
	<b>Total</b>	<b>260</b>	<b>105621</b>	<b>546894</b>	<b>149.83</b>

<b>Sr. No.</b>	<b>No. of village Panchayat</b>	<b>No of Village Panchayats /Blocks</b>	<b>No of Households</b>	<b>Population</b>	<b>Solid Waste Generated per day (MT)</b>
1.	318	318	75965	8,31,282	42



**(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
<b>1.</b>	<b>Segregation</b>				
I.	Municipal Corporation, Bathinda	Achievement – 100% Gap – 0%	MC, Bathinda has deployed compartmentalized tippers for door to door collection of the segregated waste from all households in Bathinda city. Source segregation is 100%.  Collection of user charges for door to door garbage collection : The tender for collection user charges for door to door collection has been awarded to M/s Softel Solution, Bathinda	MCB	<b>Activity Completed</b>
II.	Nagar Panchayat, Maluka	Achievement – 90% Gap – 10%	Door to door ward wise done daily basis	EO, Maluka	<b>31.08.2023</b>
III.	Nagar Panchayat, Mehraj	Achievement – 95% Gap – 5%	Door to door ward wise done daily basis	EO, Mehraj	<b>31.08.2023</b>
IV.	Nagar Panchayat, Nathana	Achievement – 90% Gap- 10%	Door to Door collection done one daily basis	EO, Nathana	<b>31.08.2023</b>
V.	Municipal Council, Goniana	Achievement – 80% Gap – 20%	Door to door awareness regarding source segregation and home composting is being done.	EO, Goniana	<b>31.08.2023</b>
VI.	MC Maur	Achievement-90% Gap –10 %	Door to door awareness regarding source segregation and home composting is being done	ULB Maur	<b>30.09.2023</b>

VII.	Municipal Council, Bhucho Mandi	Achievement – 70% Gap – 30%	Door to door awareness regarding source segregation and home composting is being done	EO, Bhucho Mandi	<b>30.09.2023</b>
VIII.	Municipal Council, Rampura Phul	Achievement – 60% Gap – 40%	Door to door awareness regarding source segregation and home composting is being done	EO, Rampura Phul	<b>31.08.2023</b>
IX.	Nagar Panchayat, Bhagta Bhai Ka	Achievement – 90% Gap – 10%	Door to door awareness regarding source segregation and home composting is being done	EO, Bhagta Bhai Ka	<b>31.08.2023</b>
X.	Municipal Council, Sangat	Achievement – 80% Gap – 20%	Door to door awareness regarding source segregation and home composting is being done	EO, Goniana	<b>31.08.2023</b>
XI.	Nagar Panchayat, Lehra Mohabbat	Achievement – 90% Gap – 10%	Door to door awareness regarding source segregation and home composting is being done	EO, Lehra Mohabbat	<b>31.08.2023</b>
XII.	Municipal Council, Kot Fatta	Achievement – 100% Gap – 0%	Door to door awareness regarding source segregation and home composting is being done	EO, Kot Fatta	<b>Activity completed</b>
XIII.	Nagar Panchayat, Talwandi Sabo	Achievement – 90% Gap – 10%	Door to door awareness regarding source segregation and home composting is being done	EO, Talwandi Sabo	<b>31.08.2023</b>
XIV.	Nagar Panchayat, Kotshamir	Achievement – 100% Gap – 0%	Door to door awareness regarding source segregation and home composting is being done	EO, Kotshamir	<b>Activity completed</b>
XV.	Nagar Panchayat, Kotha Guru	Achievement – 90% Gap – 10%	Door to door awareness regarding source segregation and home composting is being	EO, Kotha Guru	<b>31.08.2023</b>

			done		
XVI.	Nagarh Panchayat, Bhai Rupa	Achievement – 85% Gap – 15%	Door to door awareness regarding source segregation and home composting is being done	EO, Bhai Rupa	<b>30.09.2023</b>
II.	Municipal Council, Raman Mandi	Achievement – 75% Gap – 25%	Door to door awareness regarding source segregation and home composting is being done	EO, Raman Mandi	<b>30.09.2023</b>
VIII.	Village Panchayats(318)	Segregation is being done in 5 villages.	<ul style="list-style-type: none"> <li>• All BDPOs have been instructed to spread awareness regarding segregation in all villages by conducting Gram Sabhas in all panchayats and by passing resolutions for the same.</li> <li>• BalSabhas and Women Sabhas would be conducted ward wise in all villages.</li> <li>• Solid waste management projects would be established in all villages in phases. We will use funds for these projects from 15th FC, Funds from own income of Gram Panchayats and from NGOs. We will train all households by door to door campaign with the help of NGO Round Glass Foundation.</li> </ul>	DDPO at District level. BDPOs at block level	<b>30-09-2025</b> <b>Preparation of Plan by 30.09.2023</b> <b>By 31.12.2023 =106 villages</b> <b>By 30.09.2024=106 villages</b> <b>By 30.09.2025=106 villages</b>
<b>2.</b>	<b>Sweeping</b>				
	<b>Manual Sweeping</b>				
I.	Municipal Corporation, Bathinda	Achievement- 70% Gap –30%	Sweeping to be done once a day in residential area and twice a day in commercial areas	MCB	<b>31.12.2023</b>
II.	Nagar Panchayat, Maluka	Achievement – 100% Gap – 0%	Sweeping to be done once a day in residential area and twice	EO, Maluka	<b>Activity completed</b>

			a day in commercial areas		
III.	Nagar Panchayat, Mehraj	Achievement - 100% Gap – 0%	Sweeping to be done once a day in residential area and twice a day in commercial areas	EO, Mehraj	<b>Activity completed.</b>
IV.	Nagar Panchayat, Nathana	Achievement – 100% Gap – 0%	Sweeping to be done once a day in residential area and twice a day in commercial areas	EO, Nathana	<b>Activity completed.</b>
V.	Nagar Panchayat, Lehra Muhhabat	Achievement – 100% Gap – 0%	Sweeping to be done once a day in residential area and twice a day in commercial areas	EO, Lehra Mohabbat	<b>Activity completed.</b>
VI.	Municipal Council, Goniana	Achievement – 100% Gap – 0%	Sweeping to be done once a day in residential area and twice a day in commercial areas	EO, Goniana	<b>Activity completed.</b>
VII.	Municipal Council, Maur	Achievement – 100% Gap – 0%	Sweeping to be done once a day in residential area and twice a day in commercial areas	ULB Maur	<b>Activity completed.</b>
VIII.	Municipal Council, Bhucho Mandi	Achievement – 100% Gap – 0%	Sweeping to be done once a day in residential area and twice a day in commercial areas	EO, Bhucho Mandi	<b>Activity completed.</b>
IX.	Municipal Council, Rampura Phul	Achievement – 100% Gap – 0%	Sweeping to be done once a day in residential area and twice a day in commercial areas	EO, Rampura Phul	<b>Activity completed.</b>
X.	Nagar Panchayat, Bhagta Bhai Ka	Achievement – 100% Gap – 0%	Sweeping to be done once a day in residential area and twice a day in commercial areas	EO, Bhagta Bhai Ka	<b>Activity completed.</b>
XI.	MC Kot Fatta	Achievement – 100% Gap – 0%	Sweeping to be done once a day in residential area and twice a day in commercial areas	EO, Kot Fatta	<b>Activity completed.</b>
XII.	M.C., Sangat	Achievement – 100% Gap – 0%	Sweeping to be done once a day in residential area and twice a day in commercial areas	EO, Bhucho Mandi	<b>Activity completed.</b>
XIII.	Nagar Panchayat, Talwandi Sabo	Achievement – 100% Gap – 0%	Sweeping to be done once a day in residential area and twice a	EO, Talwandi Sabo	<b>Activity completed.</b>

			day in commercial areas		
XIV.	Nagar Panchayat, Kotshamir	Achievement – 100% Gap – 0%	Sweeping to be done once a day in residential area and twice a day in commercial areas	EO, Kotshamir	<b>Activity completed.</b>
XV.	Nagar Panchayat, Kotha Guru	Achievement – 100% Gap – 0%	Sweeping to be done once a day in residential area and twice a day in commercial areas	EO, Kotha Guru	<b>Activity completed.</b>
XVI.	Nagar Panchayat, Bhai Rupa	Achievement – 100% Gap – 0%	Sweeping to be done once a day in residential area and twice a day in commercial areas	EO, Bhai Rupa	<b>Activity completed.</b>
XVII.	Municipal Council, Raman Mandi	Achievement – 100% Gap – 0%	Sweeping to be done once a day in residential area and twice a day in commercial areas	EO, Raman Mandi	<b>Activity completed.</b>
XVIII.	Villages Panchayat (318)	10% sweeping being done. Gap=90%	Sweeping to be done once a day in residential area and twice a day in commercial areas	DDPO	30-09-2025 Preparation of Plan by 30.09.2023 By 31.12.2023 =106 villages By 30.09.2024=106 villages By 30.09.2025=106 villages
<b>3</b>	<b>Waste Collection</b>				
(i)	100% collection of solid waste	All ULB's = 100% collection  Villages Arrangements are to be provided in villages panchayats (318) = Not adequate arrangement.	At Present Door to door collection is being done, and ULB's have provided compartmentalized tricycles, e rikshaws and mini collection trucks along with transport trollies.  Action Plan is yet to be prepared. At present 5rickshaw rehris (tricycle carts) are in service but a comprehensive policy is required.	MC's  DDPO	Activity Completed  30-09-2025 Preparation of Plan by 30.09.2023 By 31.12.2023 =106 villages By 30.09.2024=106 villages By 30.09.2025=106 villages

(ii)	Arrangement for door to door collection	M.C., Bathinda Achievement=100% Gap = 0	60 no's of compartmentalized tippers (Tata Ace) for Door-to-Door Collection which are GPS enabled. These tippers are working in two shift in a day ( i.e 6 AM to 2 PM and 2 PM to 10 PM)	MCB	Activity Completed
		M.C., Bhucho: Achievement=100% Gap = 0	14 Rickshaws 2 Tipper, 1 Tractor Trolley	EO Bhucho	Activity Completed
		N.P., Mehraj: Achievement=100% Gap = 0	16 Rickshaws 1 Tipper, 2 Tractor Trolley, 1 suction tank	EO, Mehraj	Activity Completed
		N.P., Talwandi Sabo: Achievement=100% Gap = 0	19 Rickshaws, 2 Tipper, 2 Tractor Trolley	EO, Talwandi Sabo	Activity Completed
		N.P., Lehra Mohabbat: Achievement=100% Gap = 0	9 Rickshaws, 2 Tractor Trolley	EO, Lehra Mohabbat	Activity Completed
		N.P., Maluka : Achievement=100% Gap = 0	6 Rickshaws, 1 Tractor Trolley	EO Maluka	Activity Completed
		M.C., Sangat: Achievement=100% Gap = 0	6 Rickshaws, 1 Tractor Trolley	EO Sangat	Activity Completed
		M.C.,Kot Fatta Achievement=100% Gap = 0	8 Rickshaws, 1 Tractor Trolley	EO,Kot Fatta	Activity Completed
		N.P., Bhai Rupa Achievement=100% Gap = 0	17 Rickshaws, 1 Tractor Trolley	EO, Bhai Rupa	Activity Completed

		M.C., Raman Mandi Achievement=100% Gap = 0	21 Rickshaws, 1 Tippers, 3 Tractor Trolley	EO, Raman Mandi	Activity Completed
		NP, Kotshamir Achievement=100% Gap = 0	10 Rickshaws, 2 Tractor Trolley	EO, Kotshamir	Activity Completed
		M.C., Goniana Achievement=100% Gap = 0	17 Rickshaws 2 Tippers, 2 Tractor Trolley	EO, Goniana	Activity Completed
		NP, Nathana Achievement=100% Gap = 0	8 Rickshaws, 2 Tractor Trolley	EO, Nathana	Activity Completed
		M.C., Maur Achievement=100% Gap = 0	30 Rickshaws, 1 Tractor Trolley	EO, Maur	Activity Completed
		NP, Kotha Guru Achievement=100% Gap = 0	9 Rickshaws, 2 Tractor Trolley	EO, Kotha Guru	Activity Completed
		M.C., Rampura Phul Achievement=100% Gap = 0	31 Rickshaws, 5 Tipper, 1 Tractor Trolley	EO, Rampura Phul	Activity Completed
		NP, Bhagta Bhai Ka Achievement=100% Gap = 0	11 Rickshaws, 2 Tractor Trolleys	EO, Bhagta Bhai Ka	Activity Completed
		• Arrangement for Villages Panchayats (318) = Not adequate At present 5 rickshaw rehris are in service.	--	DDPO	Villages Panchayats (318) 30-09-2025 Preparation of Plan by 30.09.2023 By 31.12.2023 =106 villages By 30.09.2024=106 villages By 30.09.2025=106 villages
(iii)	Waste Collection trolleys with separate Compartments	M.C., Bathinda Achievement=100% Gap = 0%	60 no's of compartmentalized tippers (Tata Ace) for Door-to- Door Collection which are GPS enabled. These tippers are	MCB	Activity Completed

			working in two shift in a day ( i.e 6 AM to 2 PM and 2 PM to 10 PM) and 5 Tractor trollies and 16 employees of SHG done Door to Door in Model Town Phase 1 & 2.		
		M.C., Bhucho: Achievement=100% Gap = 0	14 Rickshaws and 2 Tippers with compartment and 1 Tractor Trolley without compartment for lifting of street waste	EO, Bhucho	Activity completed
		N.P., Mehraj: Achievement=100% Gap = 0	16 Rickshaws and 1 Tippers with compartment and 2 Tractor Trolley without compartment for lifting of street waste and 1 suction tank.	EO Mehraj	Activity completed
		N.P., Talwandi Sabo: Achievement=100% Gap = 0	19 Rickshaws and 2 Tippers with compartment and 2 Tractor Trolley without compartment for lifting of street waste	EO Talwandi Sabo	Activity completed
		N.P., Lehra Mohabbat: Achievement=100% Gap = 0	9 Rickshaws with compartment and 2 Tractor Trolley without compartment for lifting of street waste	EO Lehra Mohabbat	Activity completed
		N.P., Maluka: Achievement=100% Gap = 0	6 Rickshaws with compartment and 1 Tractor Trolley without compartment for lifting of street waste	EO Maluka	Activity completed
		MC, Sangat : Achievement=100% Gap = 0	6 Rickshaws with compartment and 1 Tractor Trolley without compartment for lifting of street waste	EO Sangat	Activity completed



	MC,Kot Fatta: Achievement=100% Gap = 0	8 Rickshaws with compartment and 1 Tractor Trolley without compartment for lifting of street waste	EO, Kot Fatta	Activity Completed
	N.P., Bhai Rupa Achievement=100% Gap = 0	17 Rickshaws with compartment and 1 Tractor Trolley without compartment for lifting of street waste	EO, Bhai Rupa	Activity Completed
	MC, Raman Mandi: Achievement=100% Gap = 0	21 Rickshaws and 1 Tippers with compartment, 3 Tractor Trolley without compartment for lifting of street waste	EO, Raman Mandi	Activity Completed
	NP, Kotshamir: Achievement=100% Gap = 0	10 Rickshaws with compartment and 2 Tractor Trolley without compartment for lifting of street waste	EO, Kotshamir	Activity Completed
	MC, Goniana: Achievement=100% Gap = 0	17 Rickshaws and 2 Tippers with compartment, 2 Tractor Trolley without compartment for lifting of street waste, 1 tractor cum loader and 2 suction tanks.	EO, Goniana	Activity Completed
	NP, Nathana: Achievement=100% Gap = 0	8 Rickshaws with compartment and 2 Tractor Trolley without compartment for lifting of street waste	EO, Nathana	Activity Completed
	MC, Maur: Achievement=100% Gap = 0	30 Rickshaws with compartment, 1 Tractor Trolley without compartment for lifting of street waste and 1jetting machine	EO, Maur	Activity Completed
	NP, Kotha Guru: Achievement=100% Gap = 0	9 Rickshaws with compartment and 2 Tractor Trolley without compartment for lifting of street waste	EO, Kotha Guru	Activity Completed

		MC, Rampura Phul: Achievement=100% Gap = 0	31 Rickshaws with compartment, 5 Tipper, 3 Tractor Trolley without compartment for lifting of street waste and 1 suction tank.	EO, RampuraPhul	Activity Completed
		NP, Bhagta Bhai Ka: Achievement=100% Gap = 0	11 Rickshaws with compartment and 2 Tractor Trolley without compartment for lifting of street waste	EO, Bhagta Bhai Ka	Activity Completed
		<b>Villages Panchayats (318)</b> = Total no. of compartment wise Solid Waste Collection Trolleys/Rikshaws required =318 No. Available = 5	<b>Villages Panchayats (318)</b> = Total no. of compartment wise Solid Waste Collection Trolleys/Rikshaws required =318 No. Available =5		Villages Panchayats (318) 30-09-2025 Preparation of Plan by 30.09.2023 By 31.12.2023 =106 villages By 30.09.2024=106 villages By 30.09.2025=106 villages
(iv)	Mini Collection Trucks with separate compartments	M.C., Bathinda Achievement=100% Gap = 0%	60 no's of compartmentalized tippers (Tata Ace) for Door-to- Door Collection which are GPS enabled. These tippers are working in two shift in a day ( i.e 6 AM to 2 PM and 2 PM to 10 PM) and 5 Tractor trollies and 16 employees of SHG done Door to Door in Model Town Phase 1 & 2.	MCB	Activity completed
		M.C., Bhucho: Required=0 Available=0 Gap = 0	--	EO, Bhucho	Activity completed
		N.P., Mehraj: Required=0 Available=0 Gap = 0	---	EO Mehraj	Activity completed
		N.P., Talwandi Sabo: Required=0 Available=0	---	EO Talwandi Sabo	Activity completed

	Gap = 0			
	N.P., Lehra Mohabbat: Required=0 Available=0 Gap = 0	---	EO Lehra Mohabbat	Activity completed
	N.P., Maluka : Required=0 Available=0 Gap = 0	---	EO Maluka	Activity completed
	MC., Sangat: Required=0 Available=0 Gap = 0	---	EO, Sangat	Activity completed
	MC., Kot Fatta : Required=0 Available=0 Gap = 0	---	EO,Kot Fatta	Activity completed
	NP, Bhai Rupa : Required=0 Available=0 Gap = 0	---	EO,BhaiRupa	Activity completed
	MC,Raman Mandi : Required=0 Available=0 Gap = 0	---	EO, Raman Mandi	Activity completed
	NP, Kotshamir : Required=0 Available=0 Gap = 0	---	EO, Kotshamir	Activity completed
	MC,Goniana : Required=0 Available=0 Gap = 0	---	EO, Goniana	Activity completed

		NP, Nathana :Required=0 Available=0 Gap = 0	---	EO, Nathana	Activity completed
		MC,Maur : Required=0 Available=0 Gap = 0	---	EO, Maur	Activity completed
		NP, Kotha Guru : Required=0 Available=0 Gap = 0	---	EO, Kotha Guru	Activity completed
		MC, Rampura Phui : Required=0 Available=0 Gap = 0	---	EO, Rampura Phul	Activity completed
		NP, Bhagta Bhai Ka: Required=0 Available=0 Gap = 0	---	EO, Bhagta Bhai Ka	Activity completed
		Villages Panchayats (318) = Not Required	Villages Panchayats (318) = Transport and waste transferis to be carried out with tri- cycle carts (rickshaw rehri).	DDPO	Villages Panchayats (318) 30-09-2025 Preparation of Plan by 30.09.2023 By 31.12.2023 =106 villages By 30.09.2024=106 villages By 30.09.2025=106 villages
(v)	<b>Waste Deposition centers (WDC) (for domestic hazardous wastes)</b>				
I.	Municipal Corporation, Bathinda	Required = 1 Installed = 1 Gap = 0	MC, Bathinda has installed a MSW process plant with 350 TPD capacity, which is situated at Mansa Road, Near ITI Chowk, Bathinda. Here, the mechanicalsegregation is done though the ballistic separator and manually in plant & RDF compost is being produced.	MCB	<b>Activity Completed</b>

II.	Nagar Panchayat, Maluka	Required = 1 Installed = 0 Gap = 100%	WDC will be set up at solid waste processing site and the collection bins will be installed at collecting vehicles.	EO, Maluka	<b>30.09.2023</b>
III.	Nagar Panchayat, Mehraj	Required = 1 Installed = 0 Gap = 100%	WDC will be set up at solid waste processing site and the collection bins will be installed at collecting vehicles.	EO, Mehraj	<b>30.09.2023</b>
IV.	Nagar Panchayat, Nathana	Required = 1 Installed = 0 Gap = 100%	WDC will be set up at solid waste processing site and the collection bins will be installed at collecting vehicles.	EO, Nathana	<b>30.09.2023</b>
V.	Nagar Council, Maur	Required = 1 Installed = 0 Gap = 100%	WDC will be set up at solid waste processing site and the collection bins will be installed at collecting vehicles.	EO, Maur	<b>30.09.2023</b>
VI.	Municipal Council, RampuraPhul	Required = 1 Installed = 0 Gap = 100%	WDC will be set up at solid waste processing site and the collection bins will be installed at collecting vehicles.	EO, RampuraPhul	<b>30.09.2023</b>
VII.	Nagar Panchayat, Bhagta Bhai Ka	Required = 1 Installed = 0 Gap = 100%	WDC will be set up at solid waste processing site and the collection bins will be installed at collecting vehicles.	EO, Bhagta BhaiKa	<b>30.09.2023</b>
VIII.	MC, Goniana	Required – 1 Installed – 0 Gap – 100%	WDC will be set up at solid waste processing site and the collection bins will be installed at collecting vehicles.	EO, Goniana	<b>30.09.2023</b>
IX.	Nagar Panchayat, Lehra Mohabbat	Required – 1 Installed – 0 Gap - 100%	WDC will be set up at solid waste processing site and the collection bins will be installed at collecting vehicles.	EO, Lehra Mohabbat	<b>30.09.2023</b>
X.	MC, Kot Fatta	Required – 1 Installed – 0 Gap – 100%	WDC will be set up at solid waste processing site and the collection bins will be installed	EO, Kot Fatta	<b>30.09.2023</b>

			at collecting vehicles.		
XI.	MC, Bhucho Mandi	Required – 1 Installed – 1 Gap – 100%	WDC will be set up at solid waste processing site and the collection bins will be installed at collecting vehicles.	EO, Bhucho Mandi	<b>30.09.2023</b>
XII.	MC, Sangat Mandi	Required = 1 Installed = 0 Gap = 100%	WDC will be set up at solid waste processing site and the collection bins will be installed at collecting vehicles.	EO, Sangat	<b>30.09.2023</b>
XIII.	Nagar Panchayat, Talwandi Sabo	Required = 1 Installed = 0 Gap = 100%	WDC will be set up at solid waste processing site and the collection bins will be installed at collecting vehicles.	EO, Talwandi Sabo	<b>30.09.2023</b>
XIV.	Nagar Panchayat, Kotshamir	Required = 1 Installed = 0 Gap = 100%	WDC will be set up at solid waste processing site and the collection bins will be installed at collecting vehicles.	EO, Kotshamir	<b>30.09.2023</b>
XV.	Nagar Panchayat, Kotha Guru	Required = 1 Installed = 0 Gap = 100%	WDC will be set up at solid waste processing site and the collection bins will be installed at collecting vehicles.	EO, Kotha Guru	<b>30.09.2023</b>
XVI.	Nagar Panchayat, Bhai Rupa	Required = 1 Installed = 0 Gap = 100%	WDC will be set up at solid waste processing site and the collection bins will be installed at collecting vehicles.	EO, Bhai Rupa	<b>30.09.2023</b>
XVII.	Municipal Council, Raman Mandi	Required = 1 Installed = 0 Gap = 100%	WDC will be set up at solid waste processing site and the collection bins will be installed at collecting vehicles.	EO, Raman Mandi	<b>30.09.2023</b>
XVIII.	Villages Panchayat (318)	Required = 318 Installed = 0	Action plan is yet to be prepared along-with Solid Waste Management. One WDC is to be created at each Block level.	DDPO & XEN Panchayati Raj	30.09-2023 for preparation of action plan For implementation -30.09.2025 106 WDC by 31-12-2023 106 WDC by 30.09.2024 106 WDC by 30.09.2025

4	Waste Transport				
(i)	Review existing infrastructure	M.C., Bathinda	60 no's of compartmentalized tippers (Tata Ace) for Door-to-Door Collection which are GPS enabled. These tippers are working in two shift in a day (i.e 6 AM to 2 PM and 2 PM to 10 PM) and 5 Tractor trollies and 16 employees of SHG done Door to Door in Model Town Phase 1 & 2.	MCB	Activity Completed
		M.C., Bhucho	14 Rickshaws and 2 Tippers with compartment and 1 Tractor Trolley without compartment for lifting of street waste	EO Bhucho	Activity Completed
		M.C., Mehraj	16 Rickshaws and 1 Tippers with compartment and 2 Tractor Trolley without compartment for lifting of street waste and 1 suction tank.	EO Mehraj	Activity Completed
		NP, Talwandi Sabo	19 Rickshaws and 2 Tippers with compartment and 2 Tractor Trolley without compartment for lifting of street waste	EO Talwandi Sabo	Activity Completed
		NP, Lehra Mohabbat	9 Rickshaws with compartment and 2 tractor trolley without compartment for lifting of street waste.	EO, Lehra Mohabbat	Activity Completed

		NP, Maluka	6 Rickshaws with compartment and 1 tractor trolley without compartment for lifting of street waste.	EO Maluka	Activity Completed
		MC, Sangat	6 Rickshaws with compartment and 1 tractor trolley without compartment for lifting of street waste.	EO Sangat	Activity Completed
		MC, Kot Fatta	8 Rickshaws with compartment and 1 tractor trolley without compartment for lifting of street waste.	EO, Kot Fatta	Activity Completed
		NP, Bhai Rupa	17 Rickshaws with compartment and 1 tractor trolley without compartment for lifting of street waste.	EO, Bhai Rupa	Activity Completed
		MC, Raman Mandi	21 Rickshaws and 1 Tippers with compartment and 3 Tractor Trolley without compartment for lifting of street waste	EO, Raman Mandi	Activity Completed
		NP, Kotshamir	10 Rickshaws with compartment and 2 tractor trolley without compartment for lifting of street waste.	EO, Kotshamir	Activity Completed
		MC, Goniana	17 Rickshaws and 2 Tippers with compartment and 1 Tractor Trolley without compartment for lifting of street waste and 2 suction tanks.	EO, Gonaina	Activity Completed



		NP, Nathana	8 Rickshaws with compartment and 2 tractor trolley without compartment for lifting of street waste.	EO, Nathana	Activity Completed
		MC, Maur	30 Rickshaws with compartment and 1 Tractor Trolley without compartment for lifting of street waste and 1 jetting machine	EO, Maur	Activity Completed
		NP, Kotha Guru	9 Rickshaws with compartment and 2 tractor trolley without compartment for lifting of street waste.	EO, Kotha Guru	Activity Completed
		MC, Rampura Phul	31 Rickshaws with compartment, 5 Tippers, 3 Tractor Trolley without compartment for lifting of street waste and 1 suction tank.	EO, RampuraPhul	Activity Completed
		NP, Bhagta Bhai Ka	11 Rickshaws with compartment and 2 tractor trolley without compartment for lifting of street waste.	EO, Bhagta Bhai Ka	Activity Completed
(ii)	Bulk Waste Trucks	M.C., Bathinda Required=1 Available=1 Gap = 0	--	MCB	Activity Completed
		M.C., Bhucho: Required=0 Available=0 Gap = 0	--	EO, Bhucho	Activity Completed

		N.P., Mehraj: Required=0 Available=0 Gap = 0	--	EO, Mehraj	Activity Completed
		N.P., Talwandi Sabo: Required=0 Available=0 Gap = 0	--	EO Talwan diSabo	Activity Completed
		N.P., Lehra Mohabbat: Required=0 Available=0 Gap = 0	--	EO, Lehra Mohabbat	Activity Completed
		N.P., Maluka: Required=0 Available=0 Gap = 0	--	EO Maluka	Activity Completed
		MC, Sangat: Required=0 Available=0 Gap = 0	--	EO, Sangat	Activity Completed
		MC, Kot Fatta: Required=0 Available=0 Gap = 0	--	EO, Kot Fatta	Activity Completed
		NP, Bhai Rupa: Required=0 Available=0 Gap = 0	--	EO, Bhai Rupa	Activity Completed
		MC, Raman Mandi: Required=0 Available=0 Gap = 0	--	EO, Raman Mandi	Activity Completed
		NP, Kotshamir: Required=0 Available=0 Gap = 0	--	EO, Bhai Rupa	Activity Completed

		MC, Goniana: Required=0 Available=0 Gap = 0	--	EO, Goniana	Activity Completed
		NP, Nathana: Required=0 Available=0 Gap = 0	--	EO, Nathana	Activity Completed
		NP, Maur: Required=0 Available=0 Gap = 0	--	EO, Maur	Activity Completed
		NP, Kotha Guru: Required=0 Available=0 Gap = 0	--	EO, Kotha Guru	Activity Completed
		NP, Rampura phul: Required=0 Available=0 Gap = 0	--	EO, Rampu raPhul	Activity Completed
		NP, Bhagta Bhai Ka: Required=0 Available=0 Gap = 0	--	EO, Bhagta BhaiKa	Activity Completed
(iii)	Waste Transfer points	M.C., Bathinda Required=0 Available=0	---	MCB	<b>Activity Completed</b>
		M.C., Bhucho: Required=0 Available=0 Gap = 0	---	EO, Bhucho	<b>Activity completed</b>

	N.P., Mehraj: Required=0 Available=0 Gap = 0	---	EO, Mehraj	<b>Activity completed</b>
	N.P.Talwandi Sabo: Required=0 Available=0 Gap = 0	---	EO,Talwandi Sabo	<b>Activity completed</b>
	N.P., Lehra Mohabbat: Required=0 Available=0 Gap = 0	---	EO, Lehra Mohabbat	<b>Activity completed</b>
	N.P., Maluka: Required=0 Available=0 Gap = 0	---	EO, Maluka	<b>Activity completed</b>
	MC, Sangat: Required=0 Available=0 Gap = 0	---	EO, Sangat	<b>Activity completed</b>
	MC, Kot Fatta: Required=0 Available=0 Gap = 0	---	EO, Kot Fatta	<b>Activity completed</b>
	N.P., Bhai Rupa : Required=0 Available=0 Gap = 0	---	EO, Bhai Rupa	<b>Activity completed</b>
	MC, Raman Mandi: Required=0 Available=0 Gap = 0	---	EO, Raman Mandi	<b>Activity completed</b>

		N.P., Kotshamir : Required=0 Available=0 Gap = 0	---	EO, Kotshamir	<b>Activity completed</b>
		MC, Goniana: Required=0 Available=0 Gap = 0	---	EO, Goniana	<b>Activity completed</b>
		N.P., Nathana : Required=0 Available=0 Gap = 0	---	EO, Nathana	<b>Activity completed</b>
		MC, Maur: Required=0 Available=0 Gap = 0	---	EO, Maur	<b>Activity completed</b>
		N.P., Kotha Guru: Required=0 Available=0 Gap = 0	---	EO, Kotha Guru	<b>Activity completed</b>
		MC, Rampura Required=0 Available=0	---	EO, Rampura Phul	<b>Activity completed</b>
		N.P, Bhagta Bhai Ka : Required=0 Available=0 Gap = 0	---	EO, Bhagta BhaiKa	<b>Activity completed</b>
<b>5</b>	<b>Waste Treatment and Disposal</b>				
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules).	M.C., Bathinda MC has already identified 59 No. of BWGs (Bulk WasteGenerators), Out of these 6 no. are having	MC Bathinda has installed a MSW processing plant with 350 TPD capacity, which is situated at Mansa Road, near ITI Chownk Bathinda.	MCB	<b>Activity Completed</b>

		<p>their own composting arrangements having 17 no of aerobic composting pits in their premises for onsite composting and with balance 53 nos BWGs MC Bathinda has executed an agreement for lifting the daily garbage/MSW from their premises as per NGT-SLMC directions.</p>	<p>At present total waste generated in MC Bathinda is 110 TPD. Waste Processing Plant is working under capacity.</p>		
		<p>M.C., Bhucho has identified 3 no. waste generators and wet waste is lifted by M.C., Bhucho.</p>	<p>BWG is either required to manage its waste on its own or can make an agreement with concerned ULB for management of its MSW.</p>	EO, Bhucho	<b>Regular activity.</b>
		<p>N.P., Mehraj has identified 1 no. waste generator and wet waste is managed by the bulk generator</p>	<p>BWG is either required to manage its waste on its own or can make an agreement with concerned ULB for management of its MSW.</p>	EO, Mehraj	<b>Regular activity.</b>
		<p>N.P., Talwandi Sabo has identified 5 no. waste generator and wet waste is managed by 3 bulk generators and wet waste from remaining 2 no. is lifted by NP</p>	<p>BWG is either required to manage its waste on its own or can make an agreement with concerned ULB for management of its MSW.</p>	EO, Talwandi Sabo	<b>Regular activity.</b>
		<p>N.P., Lehra Mohabbat: BWG = Nil.</p>	--do--	EO, Lehra Mohabbat	<b>Regular activity.</b>

		N.P. Maluka : BWG = Nil.	--do--	EO Maluka	<b>Regular activity.</b>
		MC, Sangat : BWG = Nil.	--do--	EO, Sangat	<b>Regular activity.</b>
		MC, Kot Fatta = BWG = Nil.	--do--	EO,Kot fatta	<b>Regular activity.</b>
		NP, Bhai Rupa = BWG = Nil.	--do--	EO, Bhai Rupa	<b>Regular activity.</b>
		M.C., Raman Mandi has Identified 3 no. waste generators and wet waste is lifted by M.C., Raman.	--do--	EO, Raman Mandi	<b>Regular activity.</b>
		NP, Kotshamir = BWG = Nil.	--do--	EO, Kotshamir	Regular activity.
		MC, Goniana = BWG = Nil.	--do--	EO, Goniana	Regular activity.
		NP, Nathana = BWG = Nil.	--do--	EO, Nathana	Regular activity.

		M.C., Maur has Identified 5 no. waste generators and wet waste is managed by itself and solid waste is lifted by M.C., Maur.	--do--	EO, Maur	Regular activity.
		NP, Kotha Guru = BWG = Nil.	--do--	EO, Kotha Guru	Regular activity.
		M.C., Rampura Phul has Identified 1 no. waste generators and wet waste is managed by itself and dry waste is lifted by M.C., Rampura Phul.	--do--	EO, Rampura Phul	Regular activity.
		NP, Bhagta Bhai Ka has Identified 1 no. waste generators and wet waste is managed by itself and dry waste is lifted by M.C., Maur.	--do--	EO, Bhagta Bhai Ka	Regular activity.
	Village Panchayats (318)	Not Adequate	Plan yet to be prepared to identify bulk waste generator (Dhabas / Hotels/ restaurants) existing along highways and assess the quantity of solid waste (wet and dry waste) generator by these bulk wastegenerators.	DDPO & XEN Panchayati Raj	31.10.2023
i)	<b>Wet-waste Management: Facilities for central Bio-methanation/ Composting of wet waste.</b>				
I.	Municipal Corporation, Bathinda	MC, Bathinda has installed a MSW process plant with 350 TPD capacity, which is situated at Mansa Road,	--	MCB	Activity completed



		Near ITI Chowk, Bathinda. Here, the mechanical segregation is done though the ballistic separator and manually inplant & RDF compost is being produced.			
II.	Nagar Panchayat, Maluka	Provided = 10 Required = 10 Gap = 0	10 pits at Jhiriwala Dera Road Dump site for kitchen waste, one pit under process for horticulture	EO, Maluka	Activity completed.
III.	Nagar Panchayat, Mehraj	Provided = 25 Required = 25 Gap = 0	25 compost pits provided, which are adequate and functional	EO, Mehraj	Activity completed.
IV.	Nagar Panchayat, Nathana	Provided = 32. Required = 32 Gap = 0	Already provided required number of compost pits. However, its effective use will be ensured	EO, Nathana	Activity completed.
V.	Nagar Council, Maur	Provided = 48 Required = 48 Gap = 0	Number of pits available at Bus stand is 16 (for 6 kitchen waste and 32 pits at water works)	ULB Maur	Activity completed.
VI.	Municipal Council, Rampura Phul	Provided = 51. Required = 51 Gap = 0	Adequate pits provided	EO, Rampura Phul	Activity completed.
VII.	Nagar Panchayat, Bhagta Bhai Ka	Provided = 26 Required = 26 Gap = 0	Adequate pits provided	EO, Bhagta Bhai Ka	Activity completed.
VIII.	M.C., Goniana	Provided = 20 Required = 20 Gap = 0	Adequate pits provided	EO, Goniana	Activity Completed

IX.	Nagar Panchayat, Lehra Mohabbat	Provided = 15 Required = 15 Gap = 0	Adequate pits provided	EO, Lehra Mohabbat	Activity Completed
X.	MC, Kot Fatta	Provided = 19 Required = 19 Gap = 0	8 Pits at MC Office and 11 pits at Tippanwala Road, Kot Fatta	EO, Kot Fatta	Activity Completed
XI.	MC, Bhucho Mandi	Provided = 23 Required = 23 Gap = 0	Adequate pits provided	EO, Bhucho Mandi	Activity Completed
XII.	Nagar Panchayat, Talwandi Sabo	Provided = 31 Required = 31 Gap = 0	Adequate pits provided	EO, Talwandi Sabo	Activity Completed
XIII.	MC, Sangat	Provided = 8 Required = 8 Gap = 0	Adequate pits provided	EO, Sangat	Activity Completed
XIV.	Nagar Panchayat, Kotshamir	Provided = 17 Required = 17 Gap = 0	Adequate pits provided	EO, Kotshamir	Activity Completed
XV.	Nagar Panchayat, Kotha Guru	Provided = 15 Required = 15 Gap = 0	Adequate pits provided	EO, Kotha Guru	Activity Completed
XVI.	Nagar Panchayat, Bhai Rupa	Provided = 18 Required = 18 Gap = 0	Adequate pits provided	EO, Bhai Rupa	Activity Completed
XVII.	Municipal Council, Raman Mandi	Provided = 34 Required = 34 Gap = 0	Adequate pits provided	EO, Raman Mandi	Activity Completed
XVIII.	Villages Panchayat (318)	Not adequate	Plan yet to be prepared. Apt technology to be adopted at departmental level.	DDPO & XEN Panchayati Raj	30-09-2025 Preparation of Plan by 30.09.2023 By 31.12.2023 =106 villages By 30.09.2024=106 villages By 30.09.2025=106 villages

(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	<b>MC, Bathinda</b> MC has installed a MSW process plant with 350 TPD capacity, which is situated at Mansa Road, Near ITI Chowk, Bathinda. Here, the mechanical segregation is done through the ballistic separator and manually in plant & RDF compost is being produced.	--	MCB	Activity Completed.
		Nagar Panchayat, Maluka Required = 1 Provided = 1 Gap = 0	Material Recovery Facility required for management of dry waste.	EO, Malluka	Activity completed.
		N.P., Mehraj : Required = 1 Provided = 1 Gap = 0	Material Recovery Facility required for management of dry waste.	EO, Mehraj	Activity completed.
		Nagar Panchayat, Nathana Required=1 Provided = 1 Gap = 0	Material Recovery Facility required for management of dry waste.	EO, Nathana	Activity completed.
		Nagar Council, Maur Required = 2 Provided = 1 Gap = 50%	Material Recovery Facility required for management of dry waste.	EO, Maur	<b>31.12.2023</b>

		M.C., Bhucho: Required = 1 Provided = 1 Gap = 0	Material Recovery Facility required for management of dry waste.	EO, Bhucho	Activity completed.
		Municipal Council, Rampura Phul Required = 1 Provided = 1 Gap = 0	Material Recovery Facility required for management of dry waste.	EO, Rampura Phul	Activity completed.
		Nagar Panchayat, Bhagta Bhai Ka Required = 1 Provided = 1 Gap = 0	Material Recovery Facility required for management of dry waste.	EO, Bhagta Bhai Ka	Activity completed.
		MC, Goniana Required = 1 Provided = 1 Gap = 0	Material Recovery Facility required for management of dry waste.	EO, Goniana	Activity completed.
		Nagar Panchayat, Lehra Mohabbat Required = 1 Provided = 1 Gap = 0	Material Recovery Facility required for management of dry waste.	EO, Lehra Mohabbat	Activity completed.
		MC, Kot Fatta : Required = 1 Provided = 1 Gap = 0	Material Recovery Facility required for management of dry waste.	EO, Kot Fatta	Activity completed.
		Nagar Panchayat, Talwandi Sabo Required = 1 Provided = 1 Gap = 0	Material Recovery Facility required for management of dry waste.	EO, Talwandi Sabo	Activity Completed

		Municipal Council, Sangat Required = 1 Provided = 1 Gap = 0	Material Recovery Facility required for management of dry waste.	EO, Sangat	Activity Completed
		Nagar Panchayat, Kot Shamir Required = 1 Provided = 1 Gap = 0	Material Recovery Facility required for management of dry waste.	EO, Kotshamir	Activity completed
		Nagar Panchayat, Kotha Guru Required = 1 Provided = 1 Gap = 0	Material Recovery Facility required for management of dry waste.	EO, Kotha Guru	Activity completed
		Nagar Panchayat, Bhai Rupa Required = 1 Provided = 1 Gap = 0	Material Recovery Facility required for management of dry waste.	EO, Bhai Rupa	Activity completed
		Municipal Council, Raman Mandi Required = 1 Provided = 1 Gap = 0	Material Recovery Facility required for management of dry waste.	EO, Ram anMandi	Activity completed
		Villages Panchayat (318)  Dry waste management is being done in 5villages	All BDPOs have been instructed to spreadawareness regarding dry waste management in all villages by conducting Gram Sabhas in all panchayatsand by passing resolutions for the same. ●BaSabhas and Women Sabhas would be conducted ward wise in all villages.	DDPO & XEN Panchayati Raj BDPOs at BlockLevel	30-09-2025 Preparation of Plan by 30.09.2023 By 31.12.2023 =106 villages By 30.09.2024=106 villages By 30.09.2025=106 villages

			<ul style="list-style-type: none"> <li>• Solid waste management projects would be established in all villages in phases. We distribute two dustbins to each house hold to segregate wet and dry garbage. Then waste collector collects all the segregated garbage in Rikshaw rehri having twocompartments for the wetand dry garbage.</li> <li>• We will use funds for these projects from 15th FC, Funds from own income of Gram Panchayats and from NGOs.</li> <li>• We have partnered with Round Glass Foundation(NGO) for the year 2022-23. This NGO already provided dustbins to all Households, waste collector Rehri with compartments for wet and dry garbage in 5 Gram panchayats.</li> <li>• We will train all households by door to door campaign with the help of Round Glass Foundation.</li> </ul>		
(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	MC, Bathinda	MC Bathinda had one temporary landfill constructed in 5 acre area on Mansa road near processing plant site. This site is being exhausted. One acre more land has been identified nearby for SLF. Temporary SLF on this land being built pending for SLF. Also	MCB	<b>Activity completed.</b>

			a land of 36 acre has been identified and purchased by MC Bathinda at village Mandi Khurd for construction of regional SLF, which is under litigation and under status-quo as per the directions of Hon'ble Punjab and Haryana high court. MCB has made one more Temporary SLF at Mansa Road of size 150x100x11'.		
		MC, Bhucho	Site identified Site development = yet to start	EO, Bhucho	<b>30.11.2023</b>
		N.P., Mehraj	Site identified Site development = yet to start	EO, Mehraj	<b>30.11.2023</b>
		NP, Talwandi Sabo	Site identified Site development = yet to start	EO, Talwandi Sabo	<b>31.01.2024</b>
		NP, Lehra Mohabbat	Site yet to identified	EO, Lehra Mohabbat	<b>31.01.2024</b>
		NP, Maluka	Site identified Site development = yet to start	EO, Maluka	<b>31.01.2024</b>
		MC, Sangat	Site identified Site development = yet to start	EO, Sangat	<b>31.01.2024</b>
		MC, Kot Fatta	Site identified Site development = yet to start	EO, Kot Fatta	<b>31.01.2024</b>
		NP, Bhai Rupa	Site identified Site development = yet to start	EO, Bhai Rupa	<b>31.01.2024</b>
		MC, Raman Mandi	Site identified Site development = yet to start	EO, Raman Mandi	<b>31.01.2024</b>
		NP, Kotshamir	Site identified Site development = yet to start	EO, Kotshamir	<b>31.01.2024</b>
		MC, Goniana	Site identified Site development = yet to start	EO, Goniana	<b>31.01.2024</b>

		NP, Nathana	Site identified Site development = yet to start	EO, Nathana	<b>31.01.2024</b>
		MC, Maur	Site yet to identified	EO, Maur	<b>31.01.2024</b>
		NP, Kotha Guru	Site identified Site development = yet to start	EO, Kotha Guru	<b>31.01.2024</b>
		MC, Rampura Phul	Site identified Site development = yet to start	EO, Rampura Phul	<b>31.01.2024</b>
		NP, Bhagta Bhai Ka	Site identified Site development = yet to start	EO, Bhagta Bhai Ka	<b>31.01.2024</b>
		Villages Panchayat (318)	Plan yet to be prepared	DDPO	30-09-2025 Preparation of Plan by 30.09.2023 By 31.12.2023 =106 villages By 30.09.2024=106 villages By 30.09.2025=106 villages
(v)	Remediation of historic / legacy dumpsite				
i.	Municipal Corporation, Bathinda	Total legacy waste = 300050 MT Remediated=23% Gap=77%	For effective management of dumping site & legacy management, required machinery (Trammel and Conveyor System) along with two ballistic separators are installed by MC, Bathinda.  The work for remediation of Legacy waste has been allotted to Ecostain Infra Pvt Ltd. vide MCB letter No. 1192/w dated 23.12.2022. The work of same will be completed within this year.	MCB	<b>31.12.2024</b>



ii.	Nagar Panchayat, Maluka	Total legacy waste =1000 MT Remediated = 1000MT Gap=0%	Legacy waste lying at the dump site is required to be remediated by using screening method by installation of mechanical separator / troumle machine.	EO, Maluka	<b>Activity completed</b>
iii.	Nagar Panchayat, Mehraj	Total legacy waste = 100 MT Remediated = 100 MT Gap=Nil	Legacy waste lying at the dump site is required to be remediated by using screening method by installation of mechanical separator / troumle machine	EO, Mehraj	Activity completed
iv.	Nagar Panchayat, Nathana	Total legacy waste = 0.5 MT Remediated = 0.5 MT Gap= 0%	Legacy waste lying at the dump site is required to be remediated by using screening method by installation of mechanical separator / troumle machine	EO, Nathana	Activity completed
v.	Nagar Council, Maur	Total legacy waste = 0MT Remediated = 0 Gap= 0%	Legacy waste lying at the dump site is required to be remediated by using screening method by installation of mechanical separator / troumle machine	EO Maur	Activity completed
vi.	Municipal Council, BhuchoMandi	Total legacy waste = 720 MT Remediated=650 MT Gap = 70 MT	Legacy waste lying at the dump site is required to be remediated by using screening method by installation of mechanical separator / troumle machine	EO, Bhucho	<b>31.08.2023</b>
vii.	Municipal Council, RampuraPhul	Total legacy waste = 60000 MT Remediated=0 Gap= 60000 MT	Legacy waste lying at the dump site is required to be remediated by using screening method by installation of mechanical separator / troumle	EO, Rampu raPhul	<b>30.11.2023</b>

			machine		
viii.	Nagar Panchayat, Bhagta Bhai Ka	Total legacy waste = 2MT Remediated=1.5 MT Gap = 0.5 MT	Legacy waste lying at the dump site is required to be remediated by using screening method by installation of mechanical separator / tromle machine	EO, Bhagta Bhai Ka	Activity completed
ix.	MC, Goniana	Total legacy waste = 30000 MT Remediated=6000 MT Gap = 24000 MT	Legacy waste lying at the dump site is required to be remediated by using screening method by installation of mechanical separator / tromle machine	EO, Goniana	<b>30.11.2023</b>
x.	Nagar Panchayat, Lehra Mohabbat	Total legacy waste = 0MT Remediated=0 Gap = 0	Legacy waste lying at the dump site is required to be remediated by using screening method by installation of mechanical separator / tromle machine	EO, Lehra Mohabbat	Activity completed
xi.	Municipal Council, Kot Fatta	Total legacy waste = 500 MT Remediated=100 MT Gap = 400 MT	Legacy waste lying at the dump site is required to be remediated by using screening method by installation of mechanical separator / tromle machine	EO, Kot Fatta	<b>30.09.2023</b>
xii.	Nagar Panchayat, Talwandi Sabo	Total legacy waste = 42000 MT Remediated=22000 Gap = 20000	Legacy waste lying at the dump site is required to be remediated by using screening method by installation of mechanical separator / tromle machine	EO, Talwandi Sabo	<b>31.12.2023</b>

xiii.	Municipal Council, Sangat	Total legacy waste = 2300 MT Remediated=0 Gap = 100%	Legacy waste lying at the dump site is required to be remediated by using screening method by installation of mechanical separator / trouble machine	EO, Sangat	<b>31.12.2023</b>
xiv.	Nagar Panchayat, Kotshamir	Total legacy waste = 0 MT Remediated=0 Gap = 0	Legacy waste lying at the dump site is required to be remediated by using screening method by installation of mechanical separator / trouble machine	EO, Kotshamir	Activity completed
xv.	Nagar Panchayat, Kotha Guru	Total legacy waste = 0 MT Remediated=0 MT Gap = Nil	Legacy waste lying at the dump site is required to be remediated by using screening method by installation of mechanical separator / trouble machine	EO, Kotha Guru	Activity completed.
xvi.	Nagar Panchayat, Bhai Rupa	Total legacy waste = 0 MT Remediated=0 MT Gap = Nil	Legacy waste lying at the dump site is required to be remediated by using screening method by installation of mechanical separator / trouble machine	EO, Bhai Rupa	Activity completed
xvii.	Municipal Council, Raman Mandi	Total legacy waste = 1000 MT Remediated=1000 MT Gap = Nil	Legacy waste lying at the dump site is required to be remediated by using screening method by installation of mechanical separator / trouble machine	EO, Raman Mandi	Activity completed
xviii.	Villages Panchayat (318)	There are no historic dumpsites in villages	There are no dumpsites in villages	DDPO	Activity Completed
xix.	Involvement of NGOs	Yes	NGOs shall be identified for the	All MC's and	Regular Activity

			purpose.	DDPO	
xx.	EPR of Producers: Linkage with Producers / Brand Owners	Linkage with Producers / Brand Owners	All the producer/ brand owners are being directed to submit the action plan for the disposal of its plastic waste under extended producer responsibility.	All MC's	<b>31.03.2024</b>
			All MCs may identify authorized plastic waste processing facilities within or outside State of Punjab	All MCs	<b>31.03.2024</b>
			All the brand owners / producers may be pursued to make arrangement with the authorized plastic waste processing facility by	All MCs	<b>31.03.2024</b>
			All the MCs may start sending plastic waste to the authorized plastic waste processing facility within whom agreement has been made by brand owners / producers.	All MCs	<b>31.03.2024</b>
xxi.	Authorization of Waste Pickers	MC, Bathinda	Identified=97 Rag Pickers Included in organized sector- 75 Left work as Rag Picker=12	MCB	Activity completed
		MC, Bhucho :	Required=10 Available=10 Gap=0	EO, Bhucho	Activity Completed
		N.P., Mehraj	Required=6 Available=6 Gap=0	EO, Mehraj	Activity Completed

		N.P., Talwandi Sabo	Required=15 Available=15 Gap=0	EO, Talwan diSabo	Activity Completed
		N.P., Lehra Mohabbat	Required=13 Available=13 Gap=0	EO, Lehra Mohabbat	Activity Completed
		N.P., Maluka	Required= 6 Available=6 Gap=0	EO, Maluka	Activity Completed
		M.C., Sangat	Required= 3 Available=3 Gap=0	EO Sangat	Activity Completed
		M.C., Kot Fatta	Required= 5 Available=5 Gap=0	EO, Kot Fatta	Activity Completed
		N.P., Bhai Rupa	Required= 4 Available=4 Gap=0	EO, Bhai Rupa	Activity Completed
		M.C., Raman Mandi	Required= 8 Available=8 Gap=0	EO, Raman Mandi	Activity Completed
		N.P., Kotshamir	Required= 15 Available=15 Gap=0	EO, Kotshamir	Activity Completed
		M.C., Goniana	Required= 7 Available=7 Gap=0	EO, Goniana	Activity Completed
		N.P., Nathana	Required= 2 Available=2 Gap=0	EO, Nathana	Activity Completed
		M.C., Maur	Required= 12 Available=12 Gap=0	EO, Maur	Activity Completed
		N.P., Kotha Guru	Required= 4	EO, Kotha	Activity Completed

			Available=4 Gap=0	Guru	
		M.C., Rampura Phul	Required= 26 Available=26 Gap=0	EO, RampuraPhul	Activity Completed
		N.P., Bhagta Bhai Ka	Required= 11 Available=11 Gap=0	EO, Bhagta Bhai Ka	Activity Completed
		Villages Panchayat (318)	Available	DDPO	Regular Activity
xxii.	Preparation of own by-lawsto comply with SWM Rules, 2016	All MCs Prepared.  DDPO (for villages 318) =As Village Panchayats are beyond the purview of SWM Rules, 2016; SBM(Gramin) Guidelines will be followed while making by laws under ThePunjab Panchayati Raj Act, 1994	All MCs Prepared.  DDPO Dy CEO at Zila Parishad EOPS at Panchayat Samiti	All MCs and DDPO	All MCs – Activity Completed  DDPO (for villages 318)= 30-09-2025 Preparation of Plan by 30.09.2023 By 31.12.2023 =106 villages By 30.09.2024=106 villages By 30.09.2025=106 villages
xxiii.	Removal of garbage vulnerable points (GVPs)	No gap, as activity Completed	All the identified (GVPs)	All ULBs	<b>Activity completed</b>
			GVPs may be removed	All ULBs	<b>Activity completed</b>
			Vacated places recovered after the removal of GVPs may be converted into usefullusage like sitting place, park, playground, greenbelt etc.	All ULBs	<b>Activity completed</b>
xxiv.	Provision of greenbelt and boundary wall around solidwaste dumping site.	Boundary wall has been provided in all MCs. However green belt has not been adequate in any ULB	Plantation is required to be provided around the site on all sides.	All ULBs.	31.01.2024

xxv.	Providing compartments and GPS tracking in garbage carrying vehicles	All the motorized vehicles are having GPS	All the MCs shall connect GPS system with District Administration and PPCB for their tracking to ensure effective management of solid waste.	All ULBs	<b>31.12.2023</b>
xxvi.	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 the Bio-remediation of legacy waste.	All ULB's	<ul style="list-style-type: none"> <li>• Bioremediation of Legacy waste = 31.03.2024</li> </ul> Treatment of leachate waste = 30.06.2024
xxvii.	Best practices, including setting up of Control Rooms where citizens can upload 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)	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 both.	All Local bodies	Activity completed
xxviii.	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)	MC, Bathinda has installed CCTV cameras at dump site and remaining ULBs have not installed CCTV cameras at dump site.	Installation of CCTV's	All Local bodies except MCB	<b>30.09.2023</b>
xxix.	Installation of Piezometer at Dump Site. (Directions of Hon'ble NGT in OA no. 606 of 2018 dated 22.07.2019, 28.02.2019,	M.C., Bathinda	Yet to install	MCB	30.09.2023
		MC, Bhucho	Yet to install	EO Bhucho	30.09.2023
		NP, Mehraj	Yet to install	EO Mehraj	30.09.2023
		NP, Talwandi Sabo	Yet to install	EO Talwandi Sabo	30.09.2023

	14.12.2020)	NP, Lehra Mohabbat	Yet to install	EO, Lehra Mohabbat	30.09.2023
		NP, Maluka	Yet to install	EO, Maluka	30.09.2023
		MC, Sangat	Yet to install	EO, Sangat	30.09.2023
		MC, Kot Fatta	Yet to install	EO, Kot Fatta	30.09.2023
		NP, Bhai Rupa	Yet to install	EO, Bhai Rupa	30.09.2023
		MC, Raman Mandi	Yet to install	EO, Raman Mandi	30.09.2023
		NP, Kotshamir	Yet to install	EO, Kotshamir	30.09.2023
		MC, Goniana	Yet to install	EO, Goniana	30.09.2023
		NP, Nathana	Yet to install	EO, Nathana	30.09.2023
		MC, Maur	Yet to Install	EO, Maur	30.09.2023
		NP, Kotha Guru	Yet to install	EO, Kotha Guru	30.09.2023
		MC, Rampura Phul	Yet to Install	EO, Rampura Phul	30.09.2023
		NP, Bhagta Bhai Ka	Yet to install	EO, Bhagta BhaiKa	30.09.2023
xxx.	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 Hon'ble NGT in OA no. 465/2019 dated 15.04.2021)	Presently Carcass of dead animals managed at hadda roris.	Action plan in this matter needs to be prepared and boundary wall, green belt/ plantation/ hedges etc. are required to be provided as short term measure to control the obnoxious emissions in the environment.	ULBs	Preparation of action plan- <b>31.03.2024</b>  Implementation - <b>31.10.2024</b>
			DDPO for immediate measures to be adopted, All the DDPOs have been instructed to raise hedges, putting up barbed wires above low walls and for	DDPO	Preparation of plan 31.03.2024  Implementation -31.10.2024



			plantation parallel to the boundary walls in all the Carcasses Sites (Haddarorris) in villages.		
xxxi.	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.	ULB's	Regular activity
xxxii.	Management of waste water and solid waste by the unauthorized colonies/ residential complex / commercial complex developed by Pvt. Colonizers.	Inadequate management of solid waste and liquid waste in these colonies.		PUDA and MC's	<p><b>MC (Within Municipal Limits)</b></p> <ul style="list-style-type: none"> <li>• Identification by 31.03.2024, which has been done.</li> <li>• Management of solid waste collection &amp; Segregation being done.</li> <li>• Provision of STPs=Main one 52 MLD STP exists enough to treat sewage from these colonies.</li> </ul> <p><b>DDPO (Outside MC limit)</b></p> <ul style="list-style-type: none"> <li>• Identification by <b>31.03.2024</b></li> <li>• Management of solid waste collection &amp; segregation=31.03.2024</li> </ul> <p>Provision of STPs=31.03.2024</p>
xxxiii.	To prepare proposal/ scheme for management of solid waste in the villages either in cluster form or independently in individual villages	Villages Panchayat (318) Solid Waste Management is being done in 5 villages	Comprehensive policy is required.	DDPO	<p>30-09-2025</p> <p>Preparation of Plan by 30.09.2023</p> <p>By 31.12.2023 =106 villages</p> <p>By 30.09.2024=106 villages</p> <p>By 30.09.2025=106 villages</p>

xxxiv.	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. Promoters and Residents are informed when the joint team visits their colonies and they are encouraged to follow the solid and liquid waste management rules.	All ULBs (Municipal Council and Nagar panchayat) of the district & PUDA	Regular Activity
xxxv.	Constitution of District Environment Committee in view of the constitution provisions under article 243G, 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
xxxvi.	Management of carcass in rural area.	Presently Carcass of dead animals managed at Haddaroris.	DDPO-For immediate measures to be adopted, All the DDPOs have been instructed to raise hedges, putting up barbed wires above low walls and for plantation parallel to the boundary walls in all the Carcasses Sites (Haddarorris) in villages.	DDPO	Preparation of action plan-30.09.2023 Implementation -31.12.2023
xxxvii.	Management of Horticulture Waste in MCs.	MC, Bathinda	Not required as the MCB has installed a MSW processing plant of 350 TPD capacity	MCB	Activity completed
		MC, Bhucho: No. of parks=2 No. of Compost Pits= 4 Gap=0	--	EO, Bhucho	Activity Completed

	NP, Mehraj: No. of parks=2 No. of Compost Pits= 3 Gap=0	--	EO, Mehraj	Activity Completed
	NP, Talwandi Sabo: No. of parks=4 No. of Compost Pits= 6 Gap=0	--	EO, Talwnadi Sabo	Activity Completed.
	NP, Lehra Mohabat: No. of parks=1 No. of Compost Pits= 1 Gap=0 %	--	EO, Lehra Mohabat	Activity Completed.
	NP, Maluka: No. of parks=1 No. of Compost Pits= 1 Gap=0	--	EO, Maluka	Activity Completed
	MC, Sangat: No. of parks=2 No. of Compost Pits= 2 Gap=0	--	EO, Sangat	Activity Completed
	MC, Kot Fatta : No. of parks=1 No. of Compost Pits= 1 Gap=0	--	EO, Kot Fatta	Activity Completed.
	NP, Bhai Rupa: No. of parks=3 No. of Compost Pits= 3 Gap=0	--	EO, Bhai Rupa	Activity completed
	MC, Raman Mandi: No. of parks=2 No. of Compost Pits= 4 Gap=0	--	EO, Raman Mandi	Activity Completed

		NP, Kotshamir: No. of parks=1 No. of Compost Pits= 1 Gap=0	--	EO, Kotshamir	Activity Completed
		MC, Goniana: No. of parks=3 No. of Compost Pits= 3 Gap=0	--	EO, Goniana	Activity Completed
		MC, Nathana: No. of parks=1 No. of Compost Pits= 1 Gap=0	--	EO, Nathana	Activity Completed
		MC, Maur : No. of parks=1 No. of Compost Pits=1 Gap=0%	--	EO, Maur	Activity Completed.
		NP, Kotha Guru:No. of parks=3 No. of Compost Pits= 3 Gap=0	--	EO, Kotha Guru	Activity Completed
		MC, Rampura Phul : No. of parks=0 No. of Compost Pits=0 Gap=0%	--	EO, Rampura Phul	Activity Completed.
		NP, Bhagta Bhai Ka : No. of parks=0 No. of Compost Pits= 0 Gap=0	--	EO, Bhagta Bhai Ka	Activity Completed

## ii) Plastic Waste Management

(a) Current status related to Plastic waste management

Sr. No.	Urban Local bodies	Estimated quantity of Plastic Waste Generated MT/per day
1.	Municipal Corporation, Bathinda	3.5
2.	Nagar Panchayat, Maluka	0.005
3.	Nagar Panchayat, Mehraj	0.2
4.	Nagar Panchayat, Nathana	0.01
5.	Nagar Council, Maur	0.1
6.	Municipal Council, Bhucho Mandi	0.8
7.	Municipal Council, Rampura Phul	0.05
8.	Nagar Panchayat, Bhagta Bhai Ka	0.02
9.	Municipal Council, Goniana	0.1
10.	Nagar Panchayat, Lehra Mohabbat	0.01
11.	Municipal Council, Kot Fata	0.005
12.	Nagar Panchayat, Talwnadi Sabo	0.01
13.	Municipal Council, Sangat	0.002
14.	Nagar Panchayat, Kotshamir	0.003
15.	Nagar Panchayat, Kotha Guru	0.01
16.	Nagar Panchayat, Bhai Rupa	0.01
17.	Municipal Council, Raman Mandi	0.01
	<b>Total</b>	<b>4.045</b>

Sr. no.	Local Bodies	Estimated quantity of Plastic Waste Generated (in MTD)
1	Villages Panchayats (318)	3.18

(b) Identification of gaps and Action plan:

S.No.	Action points for village panchayats/blocks/ municipalities/ Corporations	Identification of gap	Action plan	Agencies Responsible	Target time for Compliance
1.	Door to Door collection of dry waste including PW	<p>ULBs =100% collection.</p> <p>Villages Panchayat (318) Comprehensive plan to be prepared with SWM projects in villages by using separate pits in NADEP structures.</p>	At Present Door to door collection is being done by MC	<p>ULB's</p> <p>DDPO&amp; XEN Panchayati Raj</p>	<p><b>Already completed</b></p> <p><b>DDPO:-</b> 30-09-2025 Preparation of Plan by 30.09.2023 By 31.12.2023 =106 villages By 30.09.2024=106 villages By 30.09.2025=106 villages</p>
2.	Facilitate organized collection of plastic Waste at Waste transfer point or Material Recovery Facility	<ul style="list-style-type: none"> <li>• ULBs = 100% Collection and MRF facility provided.</li> <li>• Villages Panchayats (318)</li> </ul>	<ul style="list-style-type: none"> <li>• Ban imposed on single use plastic as per the guidelines of the Centre and State Government.</li> <li>• NGOs are involved for awareness to avoid plastic use.</li> <li>• Registration is being done for waste pickers.</li> </ul> <p>Directions to Gram Panchayat to perform functions such as ensuring segregation, collection, storage, transportation of</p>	<p>ULB's</p> <p>DDPO</p>	<p><b>Activity completed</b></p> <p><b>DDPO:-</b> 30-09-2025 Preparation of Plan by 30.09.2023</p>

			plastic waste and channelization of recyclable Plastic waste to the recycle.		By 31.12.2023 =106 villages By 30.09.2024=106 villages By 30.09.2025=106 villages
3.	Plastic Waste collection Centers	Provision of proper Plastic Waste collection centers.	• MRF in each ULB and adequate	ULB's	Activity Completed
4.	Awareness and education programs implementation	No gap	Awareness among public for minimizing and recycling PW is being done on regular basis	ULB's	Regular activity. One camp will be organized quarterly.
5.	Plastic Industry Registration. Total no. of plastic unit required registration Total no. of plastic unit obtained registration (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	No gap, Regular Activity	Total no. of plastic unit required registration = 2 Total no. of plastic unit obtained registration = 2	PPCB	Already completed
6.	Development and setting up of infrastructure for segregation, collection, storage, transportation, processing, and disposal of Plastic Waste either on its own for by engaging agencies or producers. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Inadequate disposal arrangement of plastic waste. Agreement is required to be made with authorized firm of PMIDC.	Recyclable plastic waste is collected, transported and stored separately by all ULBs. Currently such plastic is being stored at MRF. Contract for channelization /processing of both recyclable and non-recyclable plastic will be done with Max Specialty Films Pvt. Ltd. by ULBs  ULBs will make agreement by 30.09.2023	All Local bodies	31.03.2024

7.	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)	Yet to frame in rural area	All MCs = already framed  Rural Panchayats (318) = yet to prepared	ADC(UD) and DDPO	Already Done  30.09.2023
8.	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 Plastic Waste management in Rural area.	Awareness regarding it is being done to the Gram Panchyat for segregation, Collection and transportation will be done with Compartmentalized Rischshaw and stored in the Extra Pit to be made with Nadep Model.	DDPO	30-09-2025 Preparation of Plan by 30.09.2023 By 31.12.2023 =106 villages By 30.09.2024=106 villages By 30.09.2025=106 villages
9.	Ban on non-recyclable single use polythene bags. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Ban on non-recyclable single use polythene bags	Ban has been already imposed by the State Govt., on sale, purchase, manufacturing and stock of plastic carry bags. The Ministry of Environment, forest and Climate change 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.	ALL Local bodies/PPCB	The Ministry of Environment, forest and Climate change 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.
10.	Segregation, collection, storage, transportation of plastic waste and channelizing of recyclable plastic waste fraction to recycler	Arrangement for plastic waste disposal.	<b>ULBs:-</b> Recyclable plastic waste is collected, transported and stored separately by all	All Local bodies	<b>ULBs:-</b> 30.09.2023



	having valid registration. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)		<p>ULBs. Currently such plastic is being stored at MRF. Contract for channelization/ processing have been done with Max Specialty Films Pvt. Ltd. By ULBs.</p> <p>ULBs will make agreement by 30.09.2023.</p> <p><b>DDPO:-</b> Awareness regarding it is being done to the Gram Panchayat for segregation, collection and transportation will be done with compartmentalized Ricshaw and stored in the Extra Pit to be made with Nadep Model.</p>	DDPO	<p>30-09-2025 Preparation of Plan by 30.09.2023 By 31.12.2023 =106 villages By 30.09.2024=106 villages By 30.09.2025=106 villages</p>
11.	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. Camp will be organized of quarterly basis.	Local bodies & DDPO	Regular activity
12.	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 and secondary	Regular activity

13.	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)	Disposal of plastic waste in villages.	Instruction are already been given to Gram Panchayat through BDPO's	DDPO	30-09-2023
14.	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. It is being ensured that open burning of plastic waste does not take place. Violators are challans.	All local bodies	Regular activity
15.	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)	Plastic waste use in construction of roads	Instructions will be given to the industries to explore such activities to department of industries who through research institutes	MC, ADC(UD) and PWD	31.12.2023

### (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)	10.93MT/Day
Does the District has access to C&D waste recycling facility?	No, one new recycling facility is proposed in each ULB and shall be completed by 30.09.2023

(b) Identification of gaps and Action plan:

S. No.	Action points for blocks/town municipalities /City corporations	Identification of Gaps	Action Plan	Responsible agency	Timeline for completion of action plan
1.	Arrangement for separate collection of C&D waste to C&D waste deposition point.	4 no. sites for 17 no. ULBs have been identified and remaining ULBs has to select the separate collection centre of C&D waste.	Site selection is under process	ULB's	<b>30.09.2023</b> <b>Development of site : 30.11.2023</b>
2.	Whether local authority have fixed user fee on C&D waste and introduced permission system for bulk waste generators who generate more than 20tons or more in one day or 300 tons per project in a	No gap. As per Solid Waste Management Cleanliness and Sanitation Bye laws Dated 11.08.20 Notification no 5/105/2020-2lg4/139(A) MC Bathinda fixed user fee on C& D waste which is Rs 500 per ton and will put up the proposal regarding permission system for bulk waste generators in next house meeting for approval.	Not required	ULB's	Activity Completed

	month?				
3.	C&D recycling facility	<b>Urban Areas:</b> Presently there is one no. C&D recycling Facility in the District at Bathinda Corporation.	Each MC has proposed to install one recycling facility of C&D waste processing plant.	ULB's	31.12.2023
4.	Usage of recycled C&D waste in non-structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	<b>Rural Area:</b> No. of recycling facility required at Block level = 7 No. of recycling facility provided = 0 Gap= 7	C & D Waste Facility will be set up at Block level		30.06.2024
5.	IEC on C&D waste management	No gap	Awareness will be done through media, NGOs & Radio on quarterly basis.	MCL	Regular Activity. One camp will be organized quarterly.

**(iv) Bio medical Waste Management**

(a) Current Status related to biomedical waste

<b>Inventory of BMW in the District</b>	<b>Quantity</b>
Total no. of Bedded Health care Facilities	293
Total no. of non-bedded HCF	407
No. of HCFs authorized by SPCBs/PCCs	648
Total No. of veterinary Hospitals/Dispensaries in the District Bathinda	140
Total No. of veterinary Hospitals/Dispensaries connected with Common Biomedical treatment facility (CBWTF).	9
Total no. of veterinary Hospitals/ Dispensaries obtained the authorization of Punjab pollution Control Board	140
Total No. of veterinary Hospitals/Dispensaries adopted segregation of BMW through separate colour coded collections bins.	140
Total no. of veterinary Hospitals/Dispensaries complying with BMW Rules, 2016 and Maintaining record of Biomedical waste generation and its disposal to CBWTF.	140
No of Common Biomedical Waste Treatment and Disposal Facilities(CBWTFs)	0
No. of Deep burials for BMW, if any	0
Quantity of biomedical waste generated per day	1243.17 kg/day
Quantity of biomedical waste treated per day	1243.17 kg/day

(b) Identification of gaps and Action plan:

<b>S. No.</b>	<b>Action points</b>	<b>Gaps</b>	<b>Action Plan</b>	<b>Responsible agency</b>	<b>Timeline for completion of action plan</b>
1.	Inventory and Identification of	<ul style="list-style-type: none"> <li>Total HCFs identified(Bedded +</li> </ul>	Regular camps are being organized pursue the HCFs	PPCB	Regular activity

	Healthcare Facilities	non-bedded) = 700 • HCFs authorized by the PPCB= 648	to obtain the authorization.		
2.	Adequacy of facilities to treat biomedical waste	No Gap. Adequate CBWTF installed in the District.	Not required	PPCB	Activity completed
3.	Tracking of Bio-Medical Waste	No Gap. Bar code system is implemented by all HCFs and CBWTFs. No gap	Not required	PPCB	Activity completed
4.	Awareness and education of health care staff	No Gap Training has been organized for all stakeholders from time to time. One camp will be organized in a quarter.	Not required	PPCB and Health Department	Regular activity
5.	Adequacy of Funds	No gap	Private HCFs = Funds available Govt., HCFs = adequate	Civil Surgeon	Activity completed
6.	Compliance to Rules by HCFs and CBWTFs	No gap, to check the compliance regular monitoring is being done.	BMW Rules, 2016 are complied with except provisions of ETPs cum STPs	PPCB, HCFs, CBWTF and civil surgeon	Regular activity
7.	District Level Monitoring Committee	District Level Monitoring Committee has been constituted	Meetings are taken on monthly basis District Environment Committee.	District Administration and PPCB	Regular Activity
8.	Wastewater Treatment	• Total HCFs Required ETP=293 • Total HCF install ETPs= 10		PPCB	30.09.2023
9.	Disposal of radioactive materials. With the proliferation of radiotherapy, nuclear	Already Being Complied. • Most of the Hospitals now have provided the digital X-Ray,	Already Being Complied.	Health department	Activity Completed

	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)	hence no such waste is generated from digital X-ray. • 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.			
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**(v) Hazardous Waste Management**

(a) Current Status related to Hazardous Waste Management

Details of Data Requirement	Present Status
No of Industries generating HW	52
Quantity of HW in the district (MT/Annum)	57957.05
Quantity of Incinerable HW (MT/Annum)	193.41
Quantity of land-fillable HW(MT/Annum)	2332.31
Quantity of Recyclable/ utilizable HW(MT/Annum)	55370.43 / 60.9
Nos. of captive/common TSDF	One common TSDF at NIMBUA, Dera Bassi.
Contaminated Sites or probable contaminated sites	0
Monitoring of ground water of common TSDF.	No common TSDF falls in the District Bathinda.

(b) 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	<ul style="list-style-type: none"> <li>Total industries identified = 52</li> <li>Authorized by the PPCB= 39.</li> </ul>	Already Completed	PPCB	Activity Completed
2.	Establishment of collection centers	Industries have agreement/ linkage with TSDF for disposal of its Hazardous waste.	Individual temporary storage sites provided within the industries.	PPCB	Activity Completed
3.	Availability/Linkage with common TSDF for disposal facility	The industries generating HW have access to common TSDF in the	The industries generating HW have access to common TSDF in the State.	PPCB	Activity completed



		State. No. of units identified linked with CTSDF = 6			
4.	Contaminated Sites	No Contaminated Site	No Contaminated Site	Local Bodies, DDPO and PPCB	No Contaminated Site

**(vi) E-Waste Management**

(a) Current Status related to E-Waste Management

Details of Data Requirement	Present Status
Inventory of E-Waste in MT/year	0.025
Collection centers established by ULBs in the District	0
Collection centers established by Producers or their PROs	0
Nos. authorized E-Waste recyclers /Dismantler	0

(b) 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 in the District. Inventory of bulk waste generators is under process.	Completion of inventory	PPCB	Regular Activity
2.	E-Waste collection points	Availability of E-Waste collection points in all MRF's of all ULB's	Identification/registering E-Waste collection centres in association with Producers – their PROs or Recyclers	All MCs and GMDIC	Activity Completed
3.	Linkage among Stakeholders dechannelize-Waste	Linkage among stakeholders is being done.	Work under progress	All MCs and GMDIC	31.10.2023
4.	Regulation of Illegal E-Waste recycling /dismantling	Not initiated	Surprise will be made to identify illegal e-waste recyclers / dismantlers	District Administration & PPCB	31.12.2024
5.	Integration of informal sector	Being done	Being prepared.	District Administration & PPCB	30.09.2024
6.	Awareness and	Regular activity	Quarterly Special workshops and	District	Regular Activity

	Education		awareness campaigns through Producers/PROs will be carried out.	Administratio n & PPCB	
7.	Identification of Producers who have not obtained, EPR Authorization (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	This is a continuous activity and will be followed.	This is a continuous activity and will be followed.	SPCBs/ PCCs/Custom department	Regular activity
	Verification of quantity of e-waste collected by producers(Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	This is a continuous Activity. All the EPR Authorized Producers will be verified per year	This is a continuous Activity. All the EPR Authorized Producers will be verified per year.	PPCB	Regular activity
8.	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)	This is a continuous Activity. All the EPR Authorized Producers will be verified per year.	This is a continuous activity. All the EPR Authorized Producers will be verified per year.	PPCB	Regular activity
9.	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)	This is a continuous activity. All the dismantlers/recyclers will be verified per year.	This is a continuous activity. All the dismantlers/recyclers will be verified per year.	PPCB	Regular activity
10.	Checking of informal trading, dismantling, and recycling of waste. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Regular activity	Quarterly drive will be carried out checking of this activity.	District Administratio n/ PPCB	Regular activity
11.	Facilitate collection and disposal of e-waste. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Regular activity	Mechanism for collection and for incentivizing setting up of recycling facilities will be complied with.	District Administratio n/PPCB	Regular activity
12.	Governance frame work for monitoring compliance.	Regular Monitoring will be carried out to check the	Regular Monitoring will be carried out to check the	District administratio	Regular activity

	(Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	compliance.	compliance.	n/PPCB.	
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 run 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	Status of enforcement of Byelaws reviewed on Monthly basis by ADC(UD) and quarterly basis by Hon'ble Deputy Commissioner-cum-Chairman of District Environment Committee.	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)	No gap	State Government has already planned the focal points for industrial units. Proper space will allocated to the existing and upcoming industrial unit for E waste dismantling and recycling facility.	PSIEC	Already done
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	No gap	Will be Ensured on Annual	Director of	Regular Activity

	health and safety of workers involved in such activities. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)		basis.	Factories	
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)	Separate waste deposition centers for domestic E-waste	E-Waste deposition center already established at MRF's in each ULB.	All Local Bodies	Already done

### 3. AIR QUALITY MANAGEMENT

(a) Current Status related to Air Quality Management

Details of Data Requirement	Present Status
Number of Automatic Air Quality monitoring stations in the district.	
- Operated by SPCB / State Govt / Central govt./PSU agency:	0
- Operated by Industry:	0
Number of manual monitoring Stations operated by SPCBs	0
Name of towns/cities which are failing to comply with national ambient air quality stations	0
Nos. of air polluting industries	838
No. of unit installed APCD	838
Status of Air Consent	Regular activity
Prominent air polluting sources	Road dust, transport, Burning of biomass & Vehicular pollution.

(b) Identification of gaps and action plan:

S. No.	Action points	Gap & Indicative Action Plan	Responsible agency	Timeline for completion of action plan
1.	District Level Action Plan for Air Pollution	Since District Bathinda is not a non-attainment city, there is no requirement of District level action for air pollution	PPCB	Not required
2.	Hotspots of air pollution in District	Since Bathinda is not a non-attainment city, there is no hotspot exists in District Bathinda	PPCB	Activity Completed
3.	Awareness on Air Quality	Awareness in this regard is being done on regular basis. The data is also given in public domain for awareness to the public at official website of the PPCB. The web link of the same is <a href="https://ppcb.punjab.gov.in/en/air-quality">https://ppcb.punjab.gov.in/en/air-quality</a>	PPCB	Not required
4.	Industries to be converted from coal to CNG	As on date there is no industry in District Bathinda which is required to be converted from coal to CNG as there is no focal point or industry cluster	PPCB/DIC	Not required
5.	Conversion of Natural Draft Brick Kilns to Induced Draft Brick Kilns	<ul style="list-style-type: none"> <li>• Total BKO required to convert to ZIG ZAG = 205</li> <li>• Converted to ZIG Zag Technology= 170</li> <li>• Yet not converted = 35</li> </ul>	PPCB/DFSC	30.09.2019

		<ul style="list-style-type: none"> <li>Direction issued u/s 31-A of Air Act, 1981 to DFSC to canceled the license of BKO = 13</li> </ul>		
6.	Maintain pothole free roads / timely patchwork on roads	Patchwork of roads is continuous process. As and when potholes develop on roads the same are got repaired as soon as possible.	MC, PWD, PUDA	Regular activity
7.	Plantation of trees along highways, drains, Nallahs in colonies and canals etc.,	<ul style="list-style-type: none"> <li>Plantation has been done already in various urban estates and the further plantation will be done accordingly when new land will be acquired.</li> </ul>	MC, Forest dept.	Regular activity
8.	Public awareness campaign for control of vehicular emissions	The camps are being organized regular basis. Facebook, Twitter & Instagram) is also being used to spread traffic awareness. Quarterly camp will be organized for awareness.	Traffic Police, Transport	Regular activity
9.	Extensive drive against polluting vehicles	The extensive drive against polluting vehicles already initiated by the Police department.	Traffic Police	Regular activity
10.	Prevention parking of vehicles in non-designated areas by enforcement actions	The extensive drive already initiated by the Police department to prevent parking of vehicles in non-designated areas and issuing challans to the violators.	Traffic Police	Regular activity
11.	Control of open burning of bio-mass.	Pits constructed in Parks and green belts to control of open burning of bio mass in the city.	MC	Regular activity
12.	Dissemination of Air Quality Index by installing CAAQMS	Activity Completed. The web link of the same is as under:- <a href="https://ppcb.punjab.gov.in/en/air-quality">https://ppcb.punjab.gov.in/en/air-quality</a> <a href="http://cpcb.nic.in/automatic-monitoring-data/">http://cpcb.nic.in/automatic-monitoring-data/</a>	PPCB	Not required
13.	Dissemination of Air Quality Index by installing display boards in the city	Activity Completed. The web link of the same is as under:- <a href="https://ppcb.punjab.gov.in/en/air-quality">https://ppcb.punjab.gov.in/en/air-quality</a> <a href="http://cpcb.nic.in/automatic-monitoring-data/">http://cpcb.nic.in/automatic-monitoring-data/</a>	PPCB	Not required
14.	Quality Management Division(AQMD) at PPCB (HQ)Establishment	established	PPCB,	Activity Completed
15.	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
16.	Scope for public participation on remedial	Plantation and maintenance is being done by public participation mode.	Department of forest	Regular Activity

	measures like plantations. (Directions of Hon'ble NGT in OA no. 360/2018 dated 05.07.2021)			
17.	Carrying capacity and source apportionment study of non-attainment Cites.	Not a non-attainment city	PPCB	Not required
18.	For development of plantation along the highways.	The area alongside highways where plantation can be done is declared forest area. During suitable season for plantation PWD will coordinate with department of forest for plantation.	PWD	Regular Activity
19.	Steps to be taken for management of agriculture waste/residue	<ul style="list-style-type: none"> <li>• Adequate implements are being provided by Agriculture Department for In-situ and Ex-situ management of paddy straw.</li> <li>• Beside above, IEC activities like farmer training camps, Hoarding and field demonstrations are also being carried out to spread the awareness among farmers through the years. Beside above, IEC activities like farmer training camps, Hoarding and field demonstrations are also being carried out to spread the awareness among farmers through the years.</li> </ul>	Agriculture department	Seasonal Activity.



#### 4. WATER QUALITY MANAGEMENT

##### (a) Water Quality Monitoring

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

Details of Data Requirement	Present Status
Rivers	Nil
Length of Coastline(if any)	Nil
Nalas/Drains/Creeks meeting Rivers	01
Lakes/Ponds	713
Total Quantity of sewage from towns and cities in District	82.8 MLD
Quantity of industrial wastewater	14.88 MLD
Percentage of untreated sewage	19.38%

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

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Inventory of water bodies	The inventory of rivers, drains has already been made.  Map given on Page no. 9	Department of Water Resources and Department of Rural development and Panchayat	Activity Completed
2.	Quality of water bodies in the district	The monitoring of rivers, drains are already being carried out and data is being maintained and also discussed in monthly meeting of District Environment Committee. The information of water quality will be also uploaded on the official websites of SPCB & District Administration. The web link is	District Administration and PPCB	Regular activity

		<a href="https://ppcb.punjab.gov.in/en/water-quality">https://ppcb.punjab.gov.in/en/water-quality</a>		
3.	Hotspots of water contamination	Identified and given in the Ghaggar Action Plan web link is <a href="https://ppcb.punjab.gov.in/en/action-plans">https://ppcb.punjab.gov.in/en/action-plans</a>	PPCB, all MCs and DDPO	Regular activity
4.	Protection of river/lake waterfront	Awareness is being carried out in the public to stop the dumping of solid waste in river/Nallah. Challans are also issued to the violators	MC&DDPO	Regular activity
5.	Inventory of sources of water pollution	The sources are already identified and detail of the same is given in Ghaggar Action Plan. The Web link of the same is <a href="https://ppcb.punjab.gov.in/en/action-plans">https://ppcb.punjab.gov.in/en/action-plans</a>	MC&DDPO	Activity Completed
6.	Oil spill disaster management(for coastal districts)	Not applicable	Not applicable	Not applicable
7.	Protection of floodplains	Plan Prepared and the Web link of the same is <a href="https://irrigation.punjab.gov.in/Drainage.aspx">https://irrigation.punjab.gov.in/Drainage.aspx</a>	Drainage Department	Plan Prepared. The concerned department regularly observes and protects the flood plains by constructing river training works.
8.	Rejuvenation of groundwater	Action plan for Rain water harvesting prepared by CGWA. <a href="https://pwrda.org/">https://pwrda.org/</a>	CGWA/PWRDA	Regular Activity
9.	Complaints redressal system	Mobile App/Online Complaint redressal system already developed. The web link is <a href="https://connect.punjab.gov.in/grievance/save">https://connect.punjab.gov.in/grievance/save</a>	PPCB	Activity Completed

(b) **Domestic Sewage**

a. **Current Status related to domestic sewage**

Details of Data Requirement	Present Status
No of Class-II towns	5
No of Class-I towns	1

No of Towns STPs installed	8
No of Towns needing STPs	17
No of ULBs having partial underground sewerage network	10
No of towns not having sewerage network	6
Total Quantity of Sewage generated in District from ClassII cities and above	22.5 MLD
Quantity of treated sewage flowing into Rivers(directly or indirectly)	0 MLD
Quantity of untreated or partially treated sewage(directly or indirectly)	11
Quantity of sewage flowing into lakes	0
Total available Treatment Capacity	81 MLD in District Bathinda

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

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of Action plan
1.	Sewage Treatment Plants(STPs)	MC, Bathinda Discharge of MC = 56.5 MLD Capacity of STP =56.5 MLD Gap = 0	MCB	Activity completed
		MC, Bhucho Mandi : Discharge of MC = 2.7 MLD Capacity of STP =3 MLD Gap = 0	EO, Bhucho	Activity Completed
		NP, Mehraj : Discharge of MC = 2 MLD Capacity of STP =2.5 MLD Gap = 0	EO, Mehraj	Activity Completed
		NP, Talwandi Sabo : Discharge of MC = 2.7 MLD	EO, Talwandi Sabo	Activity completed

	Capacity of STP =3 MLD Gap = 0		
	NP, Lehra Mohabbat : No sewer line	EO, Lehra Mohabbat	<b>31.12.2024</b>
	NP, Maluka : No sewer line	EO, Maluka	<b>31.12.2024</b>
	MC Sangat : Discharge of MC = 1 MLD Capacity of STP =1.5 MLD Gap = 0	EO, Sangat	Activity Completed
	MC Kot Fatta : Discharge of MC = 1 MLD Capacity of STP =1.5 MLD Gap = 0	EO, Kot Fatta	Activity Completed
	NP, Bhai Rupa : No sewer line	EO, Bhai Rupa	<b>31.12.2024</b>
	MC, Raman Mandi : Discharge of MC = 3 MLD Capacity of STP = Yet to install Gap = 100%	EO, Raman Mandi	<b>31.12.2024</b>
	NP, Kotshamir : No sewer line	EO, Kotshamir	<b>31.12.2024</b>
	MC, Goniana : Discharge of MC =2.5 MLD Capacity of STP =3 MLD Gap = 0	EO, Goniana	Activity Completed
	NP, Nathana :No sewer line	EO Nathana	<b>31.12.2024</b>
	MC, Maur : Discharge of MC =4.5 MLD Capacity of STP =5 MLD Gap = 0	EO, Maur	Activity Completed
	NP, Kotha Guru : No sewer line	EO Kotha Guru	<b>31.12.2024</b>
	MC, Rampura Phul : Discharge of MC =7 MLD	EO, Rampura	<b>Activity completed.</b>

		Capacity of STP =7.5 Gap = 0		
		NP, Bhagta Bhai Ka : No sewer line	EO, Bhagta Bhai Ka	<b>31.12.2024</b>
2.	Underground sewerage network	MC, Bathinda Sewer network laid = 95% Gap = 5%	MCB	<b>31.12.2023</b>
		MC, Bhucho Mandi Sewage network laid =95% Gap = 5%	EO, Bhucho	<b>31.12.2023</b>
		NP, Mehraj : Sewage network laid = 100% Gap = Nil	EO, Mehraj	Activity completed
		NP, Talwandi Sabo : Sewage network laid = 90% Gap = 10%	EO, Talwandi Sabo	<b>31.12.2023</b>
		NP, Lehra Mohabbat : No sewer line	EO, Lehra Mohabbat	31.12.2024
		NP, Maluka: Sewage network laid = 95 % Gap = 5%	EO, Maluka	31.12.2023
		MC, Sangat: Sewage network laid = 95% Gap = 5%	EO, Sangat	31.12.2023
		MC, Kot Fatta : Sewage network laid = 90% Gap = 10%	EO, Kot Fatta	31.12.2023
		NP,Bhai Rupa: No sewer line	EO, Bhai Rupa	31.12.2024
		MC, Raman Mandi : Sewage network laid = 90% Gap = 10%	EO, Raman Mandi	31.12.2023
		MC, Goniana : Sewage network laid = 95% Gap = 5%	EO, Goniana	31.12.2023

		NP,Nathana: No sewer line	EO, Nathana	31.12.2024
		MC, Maur : Sewage network laid = 92% Gap = 8%	EO, Maur	31.12.2023
		NP,Kotha Guru: No sewer line	EO, Kotha Guru	31.12.2024
		MC, Rampura Phul : Sewage network laid = 85% Gap = 15%	EO, Rampura Phul	31.12.2023
		NP,Bhagta Bhai Ka: No sewer line	EO, Bhagta Bhai Ka	31.12.2024
		NP, Kotshamir: No sewer line	EO, Kotshamir	31.12.2024
3.	Setting up of real time water quality monitoring system to monitor the quality of water	Not required, as no river is passing in the jurisdiction of District Bathinda.	PPCB	Activity completed
4.	Operation and Maintenance of STPs (i)Arranging funds for operation and maintenance of STPs to ensuring regular operation and maintenance of STPs in a professional manner	Funds tied up	MC, PWSSB & PWSSD	Activity completed.
	(ii)Providing proper in-house laboratory facilities at each STP	Labs. have not been provided at all STPs of District Bathinda.	MC, PWSSB	31.12.2024

	for maintaining record of characteristics of analysis of untreated as well as treated waste water.			
5.	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	A. No. of village ponds for which work has been completed=1villages B. No. of villages where work is under progress=1 Village. C. No. of villages where work is yet to be started =14 villages.	DDPO	Total no. of villages where appropriate technology is required = 16 villages No. of village for which appropriate technology finalized: 2 village Time target for finalizing the appropriate technology for remaining 14 village ponds: 31.12.2023
	(ii)Arrangement of Funds for treatment technology in various villages identified in the Action Plan	A. No. of village ponds for which funds treatment technology arranged: 3 villages The work for arrangements of funds for the remaining village is under process- 13 villages	DDPO	No. of villages(ponds) for which fund treatment technology arranged:-3  Number of villages where funds are yet to be arranged=13 Implementation – 31.03.2024
	(iii)Reuse of water for agriculture purpose in villages.	A. No. of village ponds for which irrigation scheme has been implemented: 12 B. Progress for the remaining villages: Work is under progress under the MGNREGA Scheme. The irrigation scheme could be taken up after forming a holistic plan for all such villages.	DDPO, Soil conservation department.	A. Number of village ponds identified: 318 B. No. of village ponds for which irrigation scheme has been implemented: 12 Time target for remaining villages: 30-09-2025
	(iv)Proper operation and maintenance of treatment facilities installed in village	A. No. of village ponds for which operation and maintenance of treatment facilities installed: 5 villages	DDPO	A. Target Number of villages identified for installation treatment facility : 205 villages B. No. of village ponds for which

	ponds	A. Progress for the remaining villages for remaining villages work is under progress under the MGNREGA Scheme- 8 villages		operation and maintenance of treatment facilities installed: 5 villages Time target for the remaining villages: 30-09-2025 By 31.12.2023 =68 villages By 30.09.2024=68 villages By 30.09.2025=67 villages
6.	(i)Checking of health indices of the inhabitants & maintaining database. (ii)Holding awareness camps in the catchment area of River Ghaggar to make the public aware regarding water borne diseases	Camps are organized on monthly basis	The Department of Health and Family Welfare	Regular activity
7.	(i)Measurement of flow at different locations of River Ghaggar& drains. (ii)To stop unauthorized discharge in the drains.	The flow is being monitored on monthly basis by the drainage department.  • The regular survey is being done by the concerned departments to stop unauthorized discharge in the drains.	Department of water resources,  Department of water resources, MC and DDPO.	Regular activity  Time Target: • Drainage Department (Outside MClimit)= 31.12.2023 • MC (Within MC limit) = 31.12.2023 • DDPO Implementation – 30.06.2024 By 31.12.2023 -6 VPs • By 31.12.2024 -10 VPs
8.	Guidelines for control of pollution and enforcement of	Already being followed as per guidelines framed by CPCB	PPCB	Regular activity



	Environmental Norms in marriage halls, banquet halls, party venues etc. along with consent management system. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)			
9.	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)	Already being followed as per guidelines framed by CPCB. Required= 0 Gap=Nil	PPCB	Activity completed
10.	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)	Already being followed as per guidelines framed by CPCB	PPCB	Regular activity
11.	The local authorities/ corporations should carry out inventory of the dairy farms and	All ULBs have inventory of Gaushala and Dairy farms available with them.	All Local Bodies	Activity completed

	gaushalas. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)			
12.	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 04.02.2021)	The Public notice will be given in the Newspaper and on the website of local body for registration of dairy farms and gaushalas	All Local Bodies	Timeline for registration= 31.12.2023
13.	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)	Committee constituted	District Administration	Activity completed
14.	There must be no general permission for withdrawal of	Noted for compliance and will be assured.	All local bodies & DDPO	Regular activity

	<p>ground water, particularly to any commercial entity, without environment impact assessment of such activity on individual</p> <p>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)</p>			
15.	<p>All Overexploited, Critical &amp; Sensitive (OCS) assessment units must undergo water mapping. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)</p>	<p>Water mapping of all the OCS assessment units has been done 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. As per this study out of total 150 Blocks taken for study, 117 Blocks (78%) are "Over-Exploited", 6 Blocks (4%) are "Critical", 10 Blocks (7%) are "Semi-Critical" and 17 Blocks (11%) are in "Safe" category. The water level trends have been computed for last 10 years from 2009-2019 data</p>	<p>Water Resources (Ground water cum NHP wing) and PWRDA</p>	<p>Activity Completed</p>
16.	<p>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.</p>	<p>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 Punjab and their final recommendations is likely to be submitted by December 2021.</p>	<p>Water Resources (Ground water cum NHP wing) and PWRDA</p>	<p>Activity completed.</p>

	176/2015 dated 20.07.2020)			
17.	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 20.07.2020)	Noted for compliance and will be assured.	PWRDA	Activity completed.
18.	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 ponds that have been rejuvenated /restored= 82  Rest 236 will be restored upto 31.12.2024.	DDPO	Implementation by 31.12.2024
19.	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	The excess run-off water final reaches rivers, whether it comes through nallah or drain. This water ultimately is controllable at head quarter where certain pond level is maintained for regulation of canals. Efforts will be also done to find out the alternate way to tap the excess rain fall in ponds.	Drainage Department	31.10.2026

	specifically for the purpose (Directions of Hon'ble NGT in OA no. 325/2015 dated 18.11.2020)			
20.	Maintenance of E Flow of the rivers. (Directions of Hon'ble NGT in OA no. 325/2015 dated 18.11.2020)	Already Being Maintained	Drainage Department	Completed
21.	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)	L-section of all water bodies like drains concerned with Drainage Department has been approved and with name of drains and the Mapping of the Drainage System has been done on google Sheet.	Drainage Department	Completed
22.	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)	Public announcements done regarding rain water harvesting time to time by all ULBs.	Local Bodies	Regular Activity
23.	Installation of STP will be mandatory for all residential	Directions being already followed.	PUDA and MCs	Regular Activity

	apartments/group housing societies where groundwater requirement is more than 20 m <sup>3</sup> /day for getting NOCs. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)			
24.	Comprehensive plan to install flow meters at 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)	Directions will be followed. Time line for Preparation of plan = 31.03.2024.	MC, ADC (UD)& PWSSB	Time line for Preparation of plan = 31.10.2024. Time line for implementation of plan = 31.03.2025.
25.	Control of illegal extraction of groundwater. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Efforts are being made to control illegal extraction of ground water. No authorization is given to public for extracting ground water illegally. Inspection regarding same is being done time to time by ULBs	All Local Bodies	Regular Activity
26.	Review of District Environmental Plan activities at different levels of District Heads and District Magistrate. (Directions of Hon'ble NGT in OA no.	The Activities of District Environmental Plan will be reviewed on monthly basis by the District Heads and at the level of District Magistrate Bathinda.	District Heads of concerned departments and District Administration.	<ul style="list-style-type: none"> <li>Monthly Meetings shall be taken by District Head of concerned department for the review of activities of this plan and nodal officer of concerned department will submit the reports to the District Environment Committee and PPCB on monthly basis.</li> </ul>

	360/2018 dated 05.07.2021)			<ul style="list-style-type: none"> <li>Monthly Meetings shall be taken by the District Administration along-with District Environment Committee.</li> </ul>
27.	Preparation of operational manual of STPs for the effective and efficient operation of the STPs of the state.	Prepared and circulated to PWSSB & DWSS	PPCB	Activity Completed
28.	Enhancement of capacity of existing ponds/ water bodies and creating of new water harvesting structures.	Existing Ponds(Total)= 713 A. No. of Ponds whose Capacity has been enhanced =143 B. New ponds = 7  Source of funds of above activities: Gram Panchayat Fund, Finance Commission Grants, MGNrega.	DDPO	30.09.2025
29.	Usage of treated sewage for sprinkling purposes for sweeping of roads to control dust pollution.	Progress achieved: <ul style="list-style-type: none"> <li>MC: scheme under consideration, water hydrants are being planned at outlet of STPs by PWSSB / Department of Soil Conservation.</li> </ul>	MC's	Regular activity
30.	Mapping of the rivers and flood plain zones in the catchment area of rivers of the State.	The mapping has been done by the Drainage Department in an electronic file. The same can be retrieved from Goggle Earth link <a href="https://earth.google.com/web/@31.05081388,75.93504687,-27664.5935166a,181476.44066099d,35y,0.03480517h,45.47133225t,0.0813r?utm_source=earth7&amp;utm_campaign=vine&amp;hl=en">https://earth.google.com/web/@31.05081388,75.93504687,-27664.5935166a,181476.44066099d,35y,0.03480517h,45.47133225t,0.0813r?utm_source=earth7&amp;utm_campaign=vine&amp;hl=en</a>	Drainage Department	Completed
31.	Utilization of STPs sludge	STP sludge issued by the farmers as manure.	MC, ADC(UD), and PUDA	Regular activity
32.	Framing policy for the management of	Progress achieved: State level policy matter and time target for framing of policy will be informed after taking	DDPO	Policy will be framed by 30.09.2024. Implementation = 30.04.2025

	highly contaminated Fecal sludge generated from the rural areas.	up matter at higher level.		
33.	Reuse of treated effluent through existing STPs (OA no. 496/2016 dated 22.01.2021)	NP, Bhagta Bhai Ka	Department of Soil Conservation	31.12.2024
		NP, Bhai Rupa		31.12.2024
		NP, Nathana		31.12.2024
		MC, Raman Mandi		31.12.2024
		NP, Kotshamir		31.12.2024
		NP, Lehra Mohabbat		31.12.2024
		NP, Kotha Guru		31.12.2024
		NP, Maluka		31.12.2024
34.	Reuse of treated effluent through proposed STPs (New STPs) (OA no. 496/2016 dated 22.01.2021)	<ul style="list-style-type: none"> <li>STPs where Irrigation schemes have been completed and working = Nil</li> <li>Irrigation schemes are yet to be provided = 3</li> </ul>	Department of Soil conservation, ULBs/PWSSB	<p>To make necessary amendments in STP by ULBs/PWSSB to treat the sewage fit for irrigation purpose = 31.12.2024</p> <p>Preparation of scheme = 30.09.2023 arrangements of funds = 31.12.2023</p> <p>Implementation of scheme = 31.03.2025</p> <p><b>Note:-</b> These schemes are possible farmer's consent for using this water for irrigation and concerned department will assure quality of treated water.</p>
35.	Installation, operation & maintenance of online continuous effluent monitoring system with flow meter as well as CCTV	<ul style="list-style-type: none"> <li>Total operational STP=9</li> <li>STP under construction = 01</li> <li>OCEMS Provided=0</li> <li>OCEMS operational as per SOP = 0</li> </ul>	PWSSB	Installed OCEMS will be made operational as per SOP by 30.09.2023.



	cameras for the existing STPs as well as new STPs to be installed.			
36.	Activity w.r.t. In-situ remediation technology to be provided in the drains carrying untreated sewage.	<p>Yet to be provided</p> <p><b>Villages:</b>  No village is having direct flow of untreated effluent into drain. Effluent first leads to village pond from where it may overflow into drain. The ponds are being constructed in the villages to stop the untreated sewage in the drain. Total 16 villages have been identified out of which work has been completed in 1 village and is in progress in 1 village and will be started in other 14 villages</p>	PWSSB, ADC(UD) DDPO	<p>31.12.2023</p> <p>DDPO  1. Funds have been received in 2 more villages and work in these villages will be completed by 30.06.2024</p> <p>Funds in the remaining villages are yet to be allotted. Work will be completed within one year after the release of funds.</p>

## 5. INDUSTRIAL WASTE WATER MANAGEMENT

### (a) Current Status related to Industrial Wastewater Management

No. of Industries discharging wastewater (generating trade effluent)	44
Status of Water Consent	Regular activity
Total Quantity of industrial wastewater generated	14.88MLD
Quantity of treated industrial wastewater discharged into Nalas/ Rivers	0 MLD
Common Effluent Treatment Facilities	Nil
No. of Industries meeting standards	It is a regular activity and PPCB is monitoring the industries including inspections and samplings. Around 10% units are randomly inspected per month.
No. of Industries not meeting discharge Standards	It is a regular activity and PPCB is monitoring the industries including inspections and samplings.

### (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 system already developed and web link is <a href="https://connect.punjab.gov.in/grievance/save">https://connect.punjab.gov.in/grievance/save</a>	PPCB	Activity complied
3.	Installation of Online Continuous Monitoring System by	Not required.	PPCB	Activity complied
	1. 17 categories of industries.	One water polluting 17 categories of industry falls in the District	PPCB	Activity complied

	2. Industries with discharge more than 50 KLD and not connected with any CETP.	Total units required OCEMS =0	PPCB	NR
4.	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. Industries required and installed EMF- 44 Gap=Nil	PPCB	Activity completed
5.	Inspection of units to check compliance	Inspection already being made	PPCB	Regular activity

## 6. MINING ACTIVITY MANAGEMENT PLAN

(a) Current Status related to Mining Activity Management

<b>Details of Data Requirement</b>	<b>Existing Mining operations</b>
Type of Mining Activity	Sand Mining
No of licenced Mining operations in the District	0
% Area covered under mining in the District	0
Area of Sand Mining	0

## NOISE POLLUTION MANAGEMENT PLAN

(a) Current Status related to Noise Pollution Management

Details of Data Requirement	Measurable Outcome
No. of noise measuring devices available with various agencies in district	Name of agency = Police and PPCB Nos. of analyzers required =10 Nos. of analyzers available =01 Timeline to arrange balance noise analyzers = 9 (By Police Department i.e. one meter to each SHO)

(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.	<ul style="list-style-type: none"> <li>Nos. of analyzers required = 10</li> <li>Nos. of analyzers available = 01</li> <li>Timeline to arrange balance noise analyzers = 09 (By Police Department i.e. one meter to each SHO)</li> </ul>	PPCB and Police Department	31.12.2023
2.	Sign boards in Noise zones	Sign boards are installed at sensitive zones. However, signboards are yet to be installed in other areas	ULBs	31.12.2023
3.	Complaint redressing system	Public complaint redressal system already established in the district and web link is <a href="https://connect.punjab.gov.in/grievance/save">https://connect.punjab.gov.in/grievance/save</a>	District Administration, Police Department and PPCB	Activity completed
4.	Checking of pressure horn of vehicles	Regular checking of vehicle is being done by the police department and same activity will be continued.	Police Department.	Regular activity. The checking will be done twice in a month.