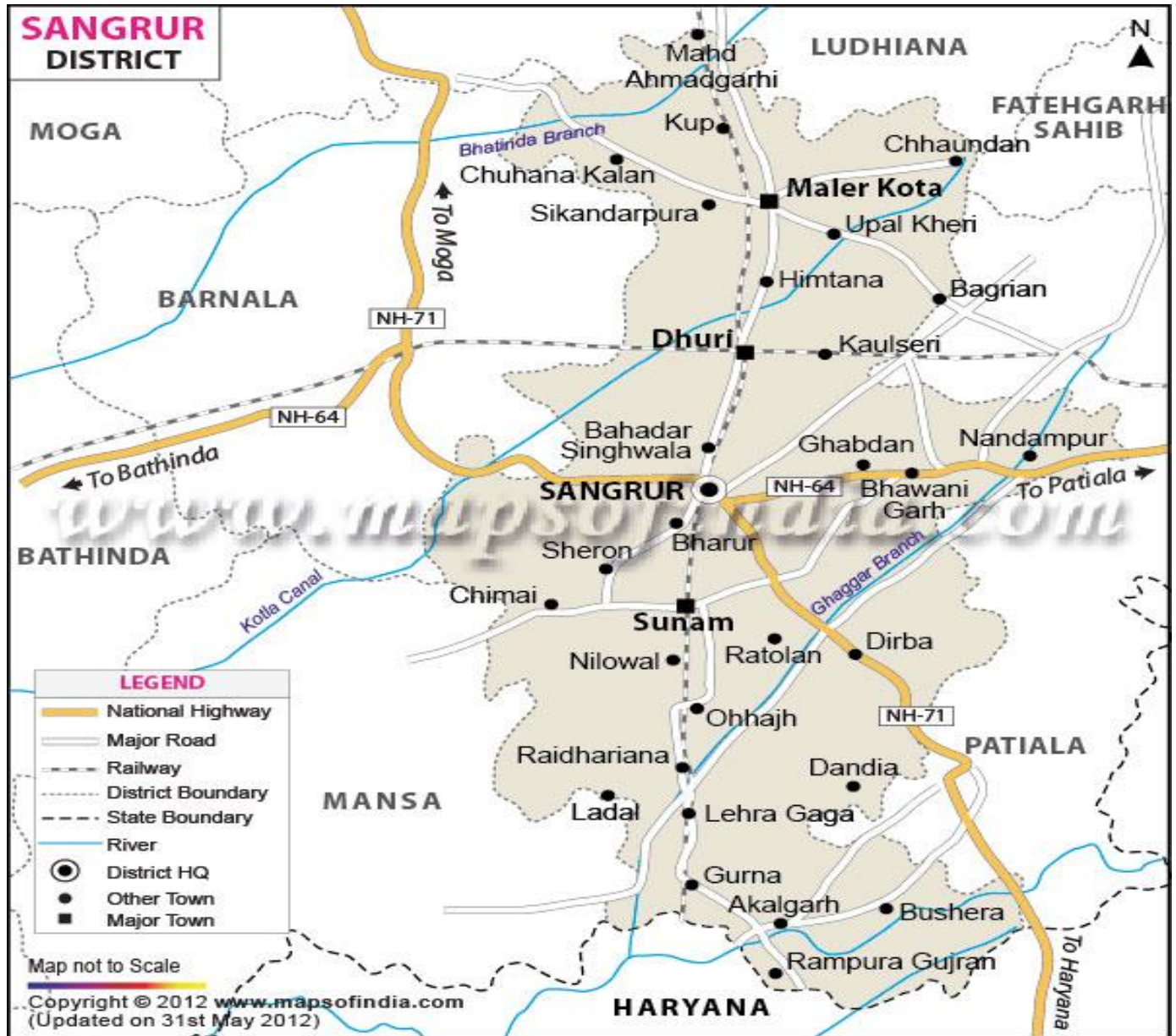


DISTRICT ENVIRONMENT PLAN FOR SANGRUR & MALERKOTLA PUNJAB STATE



Office of District Administration
Deputy Commissioner, Sangrur
E-Mail: dc.sgr@punjab.gov.in

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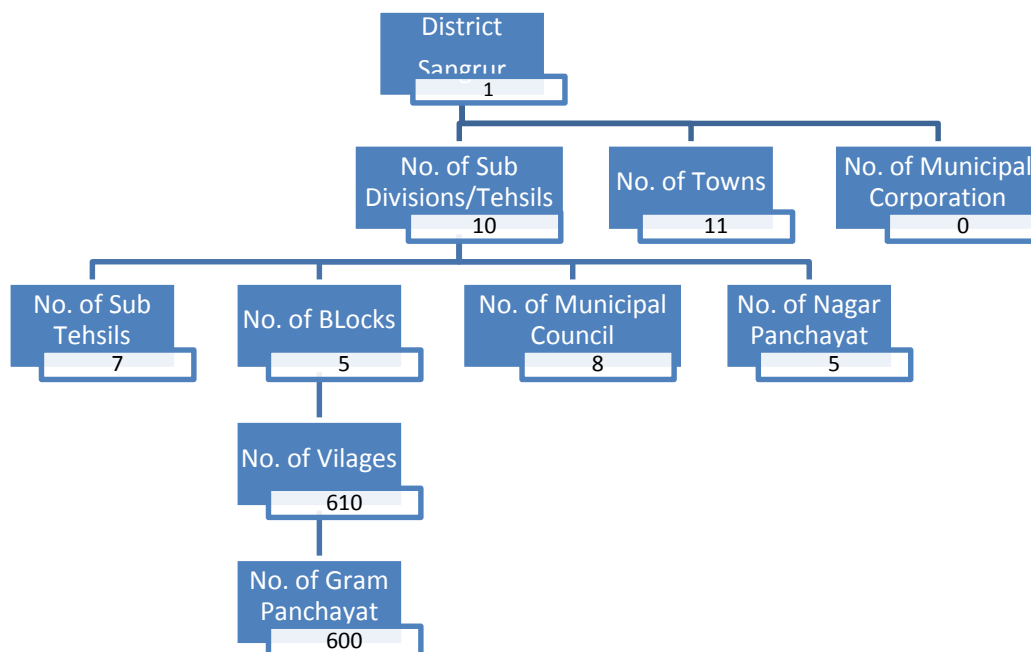
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District Profile

The District of Sangrur takes its name from its headquarters town, Sangrur. Earlier, the area fell in the Nabha Princely State. While reportedly established around 400 years ago by a Jat called Sanghu, settlements in Sangrur trace back to the pre-Harappan period. Recent excavations in Rohira in Sangrur have revealed a 10-metre high mound with settlements dating back to 2300 BC. Excavations from Mard Khara village have led to the discovery of pottery from the Harappan period. Remnants of pottery from the Kushan period have also been discovered. Sangrur district ranks 2nd in area and 7th in population. Malerkotla is the most populous and Lehra is the least populous tehsil.

The administrative district of Sangrur was created in 1948 and new formation of District Sangrur came into existence after the separation of district Barnala in 2007. Total geographical area of the district is 3625 sq. km. The district falls in the Southern part of the Punjab State & falls between 29°-4' & 30°-4' North latitude and 75°-18' and 76°-13' East latitude. It is one of the five districts in Patiala Division in Indian state of Punjab. The district shares its boundaries with Ludhiana district in North, Patiala district in East, Barnala district in the West & Hissar district of Haryana in its South. The District has 9 sub divisions mainly Sangrur, Sunam, Dhuri, Bhawanigarh, Ahmedgarh, Dirba, Malerkotla, Lehra & Moonak and there are 13 ULBs namely Sangrur, Sunam, Ahmedgarh, Malerkotla, Dhuri, Bhawanigarh, Lehragaga, Amargarh, Dirba, Khanouri, Cheema, Longowal & Moonak and 589 villages . The district is well connected with rail & road with all parts of the state.

a. District Administrative Set-up



b. Local Institutions

The Sangrur district is divided into nine sub-divisions (tehsils) namely Sangrur, Bhawanigarh, Dhuri, Malerkotla, Ahmedgarh, Sunam, Lehra, Moonak & Dirba & also comprising five blocks viz. Sherpur, Malerkotla, Lehra, Dhuri & Andana for the purpose of administration and 610 no. villages and 600 no. Gram Panchayats in District Sangrur.

c. Natural Resources`

▪ Water bodies

There is one river namely Ghaggar, drain namely Lissara and some other drains which are passing from the jurisdiction of District Sangrur and the same are as under:

River Ghaggar

River Ghaggar originates from Sirmour Hills in Himachal Pradesh, flows through the Morni Hills in Haryana, enters into the State of Punjab near Village Mubarakpur, Distt. Mohali. After passing through District Mohali, District Patiala and District Sangrur, it passes through State of Haryana and then re-enters into District Mansa of Punjab. The river Ghaggar and the drains, meeting with river, are non-perennial and carry surface run off from fields falling in their catchment area during rainy season. However, sewage / sullage of some of the cities, towns and villages situated along the river Ghaggar and other drains is also discharged into the river directly or indirectly through drains/choe etc. The River Ghaggar enters the distt. Sangrur near Khanauri and leaves the Distt Sangrur near Moonak.

There are drains / choes namely Kaithal drain, Jhambowali Choe, Lehragaga Main drain, Sirhind Choe, Sangrur drain, Balian drain, Baretta, Bahadur Singh Wala drain and Bhagwanpura link drain which are passing through District Sangrur and meeting with river Ghaggar indirectly.

Lissara Drain

Lissara drain enters in District Sangrur at R.D 264000 at village Saraudh and passes through the jurisdiction of District Sangrur upto RD 145000 at village Tibba. No industrial unit is discharging its treated / untreated effluent into the said drain. However, wastewater generated from Malerkotla town and villages is being discharged into this drain. Further, M/s Shreyans Industries Ltd., Ahmedgarh is also discharging its treated trade effluent @ 8800 KLD into Tallewal drain during no demand period, which ultimately leads to Lissara drain. In this regard, the industry had already obtained permission from the Department of Irrigation for discharge of treated trade effluent into Tallewal drain.

▪ **Availability of Water Resources**

The major source of water in District Sangrur is ground water. However, as per the latest data available on the CGWB website, following blocks of Distt. Sangrur have been notified for control and regulation in Ground Water:

Sr. No.	Place / Block / Mandal / Taluka	Date of Notification
1.	Dhuri, Sunam, Sherpur & Malerkotla	13.08.2011
2.	Sangrur	02.12.2006

The net ground water resources of the district have been estimated to be 1393.22 MCM and gross ground water draft of the district is 3672.44 MCM. leaving behind a short fall of 2292.99 MCM . The stage of ground water development in the district is 264%.

▪ **Forest coverage**

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

Geographical Area (GA)	2017 Assessment				% of Geographical Area
	Very Dense Forest	Mod. Dense Forest	Open Forest	Total	
3625	0.00	6.00	17.0	23.0	0.63

d. Geography & Demography

Description	Facts
Population	1655169
Male	878029
Female	777140
Population Growth	12.35 %
Area Sq. Km	3625
Density/km2	457
Proportion to Punjab Population	5.97 %
Sex Ratio (Per 1000)	885
Child Sex Ratio (0-6 Age)	840
Average Literacy	67.99

e. Land-use pattern

Sr . No.	Title	Data of District Sangrur (Area Hac)
1.	Geographical area	362.0
2.	Cultivated area	311
3.	Forest area	5
4.	Land under non agricultural use	42
5.	Permanent pastures	-
6.	Cultivated wasteland	-
7.	Land under Misc. tree crops and groves	-
8.	Barren and un cultivated land	-
9.	Current fallows	3
10.	Other fallows	-

f. Climate

The climate of Sangrur district can be classified as tropical steppe, semi-arid and hot which is mainly dry with very hot summer and cold winter except during monsoon. There are four seasons in a year. The hot weather season starts from mid March to last week of the June followed by the south west monsoon which lasts upto September. The transition period from September to October forms the post monsoon season. The winter season starts late in November and remains upto first week of March.

The average annual rainfall in the district is about 590 mm, the maximum (about 73 per cent) falling in the months of July to September, July being the wettest month. The rainfall in the district increases from south-west towards the northeast and varies from about 490 mm, at Sunam to about 670 mm at Malerkotla. There is some rain, mostly in the form of thundershowers, during the pre-monsoon month of June. Some rain is also received with passing western disturbances during winter. The variation in the annual rainfall from year to year is large. The district is scarcely affected by monsoon depressions. During the cold season, passing, western disturbances affect the weather over the district causing few thunder storms. Rain during June and the monsoon season is often accompanied with thunder. Dust storms occur occasionally during the hot season. The average annual temperature is 24.1 °C | 75.3 °F in Sangrur.

ACTION PLAN

WASTE MANAGEMENT PLAN

1. Solid Waste Management

a. Current status related to solid Waste management

Sr. no.	Urban Local bodies	No of Wards	No of Households	Population	Solid Waste Generated (MT per day)
1.	MC, Bhawanigarh	15	4551	22323	6.51
2.	NP, Cheema	13	2270	11619	1.61
3.	NP, Dirba	13	3485	16947	3.29
4.	MC, Dhuri	21	12550	55225	17.2
5.	NP, Khanauri	13	2617	14101	4
6.	MC, Longowal	15	4270	18071	2.7
7.	MC, Lehragaga	15	4700	22588	5.5
8.	NP, Moonak	13	4000	18147	4.4
9.	MC, Sangrur	29	17500	88043	30
10.	MC, Sunam	23	14310	69069	14.57
11.	MC Ahmedgarh	17	7400	32203	9.4
12.	NP Amargarh	11	1473	7339	1.03
13.	MC Malerkotla	33	36565	135423	72
	Total	231	115961	511098	186.78

Sr no.	Local Bodies	No of Village panchayats / Blocks	No of Households	Population	Solid Waste Generated per day (MT)
1.	No of Villages Panchayats	610	273206	1424494	415

b. Identification of gaps and Action plan:

Sr.	Action points For villages / blocks / town municipalities / City corporations	Identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan
1.	Segregation				
I.	MC, Bhawanigarh	Achievement-90% Gap – 10%	To achieve 100% segregation, following measures will be taken: ✓ Public awareness by holding ward wise camps.	EO, Bhawanigarh	31.03.2022

			<ul style="list-style-type: none"> ✓ IEC activities. ✓ By providing compartmentalised rehri to the workers. ✓ By imparting to the waste collected workers 		
II.	NP, Cheema	Achievement-85% Gap – 15%	<p>To achieve 100% segregation, following measures will be taken:</p> <ul style="list-style-type: none"> ✓ Public awareness by holding ward wise camps. ✓ IEC activities. ✓ By providing compartmentalised rehri to the workers. ✓ By imparting to the waste collected workers 	EO, Cheema	31.03.2022
III.	NP, Dirba	Achievement-94.9% Gap – 5.1%	<p>To achieve 100% segregation, following measures will be taken:</p> <ul style="list-style-type: none"> ✓ Public awareness by holding ward wise camps. ✓ IEC activities. ✓ By providing compartmentalised rehri to the workers. ✓ By imparting training to the waste collected workers 	EO, Dirba	31.03.2022
IV.	MC, Dhuri	Achievement-80% Gap – 20%	<p>To achieve 100% segregation, following measures will be taken:</p> <ul style="list-style-type: none"> ✓ Public awareness by holding ward wise camps. ✓ IEC activities. ✓ By providing compartmentalised rehri to the workers. ✓ By imparting training to the waste collected workers 	EO, Dhuri	31.03.2022

V.	NP, Khanauri	Achievement-89.8% Gap – 10.2%	To achieve 100% segregation, following measures will be taken: <ul style="list-style-type: none"> ✓ Public awareness by holding ward wise camps. ✓ IEC activities. ✓ By providing compartmentalised rehris to the workers. ✓ By imparting training to the waste collected workers 	EO, Khanauri	31.03.2022
VI.	MC, Longowal	Achievement-93.6% Gap – 6.4%	To achieve 100% segregation, following measures will be taken: <ul style="list-style-type: none"> ✓ Public awareness by holding ward wise camps. ✓ IEC activities. ✓ By providing compartmentalised rehris to the workers. ✓ By imparting to the waste collected workers. 	EO, Longowal	31.03.2022
VII.	MC, Lehragaga	Achievement-90% Gap – 10%	To achieve 100% segregation, following measures will be taken: <ul style="list-style-type: none"> ✓ Public awareness by holding ward wise camps. ✓ IEC activities. ✓ By providing compartmentalised rehris to the workers. ✓ By imparting to the waste collected workers 	EO, Lehragaga	31.03.2022
VIII.	NP, Moonak	Achievement-100% Gap – Nil	To maintain 100 % segregation all the times	EO, Moonak	Regular activity

IX.	MC, Sangrur	Achievement- 74.61% Gap – 25.39%	To achieve 100% segregation, following measures will be taken: ✓ Public awareness by holding ward wise camps. ✓ IEC activities. ✓ By providing compartmentalised rehris to the workers. ✓ By imparting to the waste collected workers.	EO, Sangrur	31.03.2022
X.	MC, Sunam	Achievement- 75% Gap – 25%	To achieve 100% segregation, following measures will be taken: ✓ Public awareness by holding ward wise camps. ✓ IEC activities. ✓ By providing compartmentalised rehris to the workers. ✓ By imparting to the waste collected workers.	EO, Sunam	31.03.2022
XI.	MC Ahmedgarh	Achievement- 78% Gap – 22%	To achieve 100% segregation, following measures will be taken: ✓ Public awareness by holding ward wise camps. ✓ IEC activities. ✓ By providing compartmentalised rehris to the workers. ✓ By imparting to the waste collected workers.	EO, Ahmedgarh	31.03.2022
XII.	NP Amargarh	Achievement- 100% Gap – Nil	To maintain 100 % segregation all the times	EO, Amargarh	Regular activity

XIII.	MC Malerkotla	Achievement-60% Gap – 40%	To achieve 100% segregation, following measures will be taken: ✓ Public awareness by holding ward wise camps. ✓ IEC activities. ✓ By providing compartmentalised rehris to the workers. ✓ By imparting to the waste collected workers.	EO, Malerkotla	31.03.2022
XIV.	Villages of District Sangrur (610)	Segregation not be carried out in villages	Yet to prepare.	DDPO	Preparation of action plan - 31.03.2022 Implementation – 30.06.2025 By 30.06.2022 - 150 VPs By 30.06.2023 - 150 VPs By 30.06.2024 - 150 VPs By 30.06.2025 - 160 VPs
2 Sweeping					
(i) Manual Sweeping					
I.	MC, Bhawanigarh	Achievement - 100 % Gap: Nil	To maintain 100 % sweeping all the times	EO, Bhawanigarh	Regular activity
II.	NP, Cheema	Achievement - 100 % Gap: Nil	To maintain 100 % sweeping all the times	EO, Cheema	Regular activity
III.	NP, Dirba	Achievement - 100 % Gap: Nil	To maintain 100 % sweeping all the times	EO, Dirba	Regular activity
IV.	MC, Dhuri	Achievement - 100 % Gap: Nil	To maintain 100 % sweeping all the times	EO, Dhuri	Regular activity
V.	NP, Khanauri	Achievement - 100 % Gap: Nil	To maintain 100 % sweeping all the times	EO, Khanauri	Regular activity
VI.	MC, Longowal	Achievement - 100 % Gap: Nil	To maintain 100 % sweeping all the times	EO, Longowal	Regular activity
VII.	MC, Lehragaga	Achievement - 100 % Gap: Nil	To maintain 100 % sweeping all the times	EO, Lehragaga	Regular activity

VIII	NP, Moonak	Achievement - 100 % Gap: Nil	To maintain 100 % sweeping all the times	EO, Moonak	Regular activity
IX.	MC, Sangrur	Achievement - 100 % Gap: Nil	To maintain 100 % sweeping all the times	EO, Sangrur	Regular activity
X.	MC, Sunam	Achievement - 100 % Gap: Nil	To maintain 100 % sweeping all the times	EO, Sunam	Regular activity
XI.	MC Ahmedgarh	Achievement - 100 % Gap: Nil	To maintain 100 % sweeping all the times	EO, Ahmedgarh	Regular activity
XII.	NP Amargarh	Achievement - 100 % Gap: Nil	To maintain 100 % sweeping all the times	EO, Amargarh	Regular activity
XIII	MC Malerkotla	Achievement - 100 % Gap: Nil	To maintain 100 % sweeping all the times	EO, Malerkotla	Regular activity
(ii)	Mechanical Road Sweeping & Collection	<ul style="list-style-type: none"> MC Sangrur had already purchased and in use. MC Dhuri – Proposed to purchase. MC Sunam – Proposed to purchase. 	MC Dhuri & Sunam has proposed to purchase mechanical sweeping machine by 31.12.2021.	EO Dhuri & Sunam	31.12.2021
(iii)	Villages Panchayat (610)	Achievement- 10% Gap- 90%	More manpower is being deployed to ensure 100 % sweeping	DDPO	Preparation of action plan - 31.03.2022 Implementation - 30.06.2025 By 30.06.2022 - 150 VPs By 30.06.2023 - 150 VPs By 30.06.2024 - 150 VPs By 30.06.2025 - 160 VPs
3 Waste Collection					
(i)	100% collection of solid waste	<ul style="list-style-type: none"> 100% D to D is achieved by all MCs/NPs Village panchayats = Not adequate 	<ul style="list-style-type: none"> To maintain 100% D to D by ULBs Action plan is yet to be prepare 	<ul style="list-style-type: none"> ULBs DDPO 	<ul style="list-style-type: none"> Regular activity Preparation of action plan - 31.03.2022 Implementation - 30.06.2025 By 30.06.2022 - 150 VPs

					By 30.06.2023 - 150 VPs By 30.06.2024 - 150 VPs By 30.06.2025 - 160 VPs
(ii)	Arrangement for door to door collection	<ul style="list-style-type: none"> The MC/NP wise availability of Tata Ace/Rickshaw Rehri is as under: <ul style="list-style-type: none"> • Malerkotla: 10/ 55 • Ahmedgarh:04/43 • Amargarh: 0/14 • Bhwanigarh 01/19 • Cheema: 0/13 • Dhuri: 07/84 • Dirba : 0/13 • Khanauri 01/15 • Lehragaga: 02/36 • Longowal: 0/13 • Moonak: 01/26 • Sangrur: 03/82 • Sunam: 05/46 The available infrastructure with MCs/NPs is adequate. Village Panchayats (610) = Not adequate 	<ul style="list-style-type: none"> As per requirement, manpower and mechanical arrangements will be increased to ensure 100% D to D collection. Action plan is yet to be prepared for arrangements of D to D collection. 	<ul style="list-style-type: none"> ULBs DDPO 	<ul style="list-style-type: none"> Activity Completed Preparation of action plan - 31.03.2022 Implementation - 30.06.2025 By 30.06.2022 - 150 VPs By 30.06.2023 - 150 VPs By 30.06.2024 - 150 VPs By 30.06.2025 - 160 VPs
(iii)	Waste Collection trolleys with separate Compartments	<ul style="list-style-type: none"> Status of Required / Available Tractor Trollies provided with compartments in different MCs/NPs is as under: <ul style="list-style-type: none"> • Malerkotla 20/20 • Ahmedgarh: 3/3 • Amargarh:: 1/1 • Bhwanigarh 4/4 • Cheema: 2/2 	As per requirement, waste collection trolleys will be increased to ensure 100% D to D collection and segregation.	ULBs	Activity Completed

		<ul style="list-style-type: none"> • Dhuri: 05/5 • Dirba : 2/2 • Khanauri 03/03 • Lehragaga: 03/03 • Longowal: 02/02 • Moonak: 02/02 • Sangrur: 04/04 • Sunam: 04/04 <p>The available infrastructure is inadequate.</p> <ul style="list-style-type: none"> • In villages Required – 525 Available - Nil 	Action plan is yet to be prepared for arrangements of D to D collection.	DDPO	Preparation of action plan - 31.03.2022 Implementation - 30.06.2025 By 30.06.2022 - 150 VPs By 30.06.2023 - 150 VPs By 30.06.2024 - 150 VPs By 30.06.2025 - 160 VPs
-	Mini Collection Trucks with separate compartments	<p>Status w.r.t. Requirement/ Available is as under</p> <ul style="list-style-type: none"> • Bhawanigarh- 1/1 • Cheema -0/0 • Dirba – 1/0 • Dhuri- 7/7 • Khanauri-1/1 • Longowal-0/0 • Lehragaga-2/2 • Moonak-1/1 • Sangrur-3/3 • Sunam-5/5 • Ahmedgarh-4/4 • Amargarh-0/0 • Malerkotla-10/10 <p>In villages – not adequate</p>	<p>As per requirement, waste collection trucks will be increased to ensure 100% D to D collection and segregation, MC Dirba has also issued work order to purchase one Tata Ace.</p> <p>In villages – Action plan is yet to be prepare.</p>	EO Dirba	31.12.2021
				DDPO	Preparation of action plan - 31.03.2022 Implementation - 30.06.2025 By 30.06.2022 - 150 VPs By 30.06.2023 - 150 VPs By 30.06.2024 - 150 VPs By 30.06.2025 - 160 VPs

(v) Waste Deposition Centres (for domestic hazardous wastes)					
I.	MC, Bhawanigarh	Required –1 Installed – 1 Gap – Nil	The domestic hazardous waste collected from D to D is being stored at MRFs.	EO, Bhawanigarh	Activity completed
II.	NP, Cheema	Required – 1 Installed – 1 Gap – Nil	The domestic hazardous waste collected from D to D is being stored at MRFs.	EO, Cheema	Activity completed
III.	NP, Dirba	Required – 1 Installed – 1 Gap – Nil	The domestic hazardous waste collected from D to D is being stored at MRFs.	EO, Dirba	Activity completed
IV.	MC, Dhuri	Required – 2 Installed – 2 Gap – Nil	The domestic hazardous waste collected from D to D is being stored at MRFs.	EO, Dhuri	Activity completed
V.	NP, Khanauri	Required – 1 Installed – 1 Gap - Nil	The domestic hazardous waste collected from D to D is being stored at MRFs.	EO, Khanauri	Activity completed
VI.	MC, Longowal	Required – 1 Installed –1 Gap - Nil	The domestic hazardous waste collected from D to D is being stored at MRFs.	EO, Longowal	Activity completed
VII.	MC, Lehragaga	Required – 2 Installed – 2 Gap - Nil	The domestic hazardous waste collected from D to D is being stored at MRFs.	EO, Lehragaga	Activity completed
VIII.	NP, Moonak	Required –1 Installed – 1 Gap - Nil	The domestic hazardous waste collected from D to D is being stored at MRFs.	EO, Moonak	Activity completed
IX.	MC, Sangrur	Required – 4 Installed – 4 Gap – 0	The domestic hazardous waste collected from D to D is being stored at MRFs.	EO, Sangrur	Activity completed
X.	MC, Sunam	Required – 2 Installed – 2 Gap - Nil	The domestic hazardous waste collected from D to D is being stored at MRFs.	EO, Sunam	Activity completed
XI.	MC, Ahmedgarh	Required – 2 Installed – 2 Gap – Nil	The domestic hazardous waste collected from D to D is being stored at MRFs.	EO, Ahmedgarh	Activity completed
XII.	NP, Amargarh	Required – 1 Installed – 1 Gap – Nil	The domestic hazardous waste collected from D to D is being stored at MRFs.	EO, Amargarh	Activity completed

XIII.	MC, Malerkotla	Required – 4 Installed – 2 Gap – 2	The domestic hazardous waste collected from D to D is being stored at MRFs.	EO, Malerkotla	30.06.2022
XIV	Villages Panchayat (610)	Yet to provide	Yet to prepare	DDPO	Preparation of action plan - 31.03.2022 Implementation - 30.06.2025 By 30.06.2022 - 150 VPs By 30.06.2023 - 150 VPs By 30.06.2024 - 150 VPs By 30.06.2025 - 160 VPs
4.	Waste Transport				
(i)	Review existing infrastructure for waste Transport.	ULB: Rickshaw Rehris/Tata Ace/Tractor trolleys • Bhawanigarh- 19/1/ 4 • Cheema -13/0/2 • Dirba – 13/0/2 • Dhuri- 42/7/5 • Khanauri-15/1/3 • Longowal-13/0/2 • Lehragaga-36/2/3 • Moonak-26/1/2 • Sangrur-82/3/4 • Sunam-46/5/4 • Ahmedgarh-36/4/3 • Amargarh-14/0/1 • Malerkotla-55/10/20	Adequate	MCs/NPs	Activity completed
(ii)	Bulk Waste Trucks	MC Sangrur:1 MC Malerkotla 1	Adequate	MCs/NPs	Activity completed
(iii)	Waste Transfer points	• Bhawanigarh- 1/1 • Cheema -1/1 • Dirba – 1/1 • Dhuri- 4/4 • Khanauri-1/1 • Longowal-1/1 • Lehragaga-2/2 • Moonak-1/1 • Sangrur-4/4 • Sunam-4/4 • Ahmedgarh-1/1 • Amargarh-1/1 • Malerkotla-1/1	Adequate	MCs/NPs	Activity completed

5 Waste Treatment and Disposal					
(i)	Wet-waste Management: On-site composting by bulk waste generators	<p>The status of BWGs is as under:</p> <ul style="list-style-type: none"> • MC Malerkotla: Identified - 15 onsite composting-10 • Ahmendgarh: Identified-03 onsite composting-03 • Amargarh : Identified-01 onsite composting-01 • Bhwanigarh : : identified-02 onsite composting-02 • Dhuri : Identified-11 onsite composting-11 • Dirba : Identified-02 onsite composting-02 • Lehragaga: Identified-02 onsite composting-02 • Longowal: Identified-01 onsite composting-01 • Moonak: Identified-01 onsite composting-01 • Sangrur: Identified-05 onsite composting-05 • Sunam: Identified-06 onsite composting-06 <p>No BWG identified at Khanauri, Cheema</p>	Identified bulk generators will be visited and onsite Composting will be get done from remaining bulk generators. Also, new bulk generators will be identified. Also, the MCs/NPs have executed an agreement with bulk generators for collection of wet waste generated from their premises.	MC/NP & PPCB	30.06.2022
(ii) Wet-waste Management: Facilities for central Bio-methanation/ Composting of wet waste.					
I.	MC, Bhawanigarh	Required - 27 Provided – 27 Gap - Nil	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, Bhawanigarh	Activity completed
II.	NP, Cheema	Required - 12 Provided – 12 Gap - Nil	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, Cheema	Activity completed
III.	NP, Dirba	Required - 26 Provided – 26 Gap - Nil	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, Dirba	- Activity completed
IV.	MC, Dhuri	Required - 66 Provided – 51 Gap - 15	Already provided required no. of compost pits, however, its effective use will be ensured. Gap will be	EO, Dhuri	31.03.2022

			covered with Mechanical Composter.		
V.	NP, Khanauri	Required - 18 Provided – 18 Gap - Nil	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, Khanauri	-Activity completed
VI.	MC, Longowal	Required - 25 Provided – 25 Gap - Nil	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, Longowal	Activity completed
VII.	MC, Lehragaga	Required - 34 Provided – 34 Gap - Nil	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, Lehragaga	Activity completed
VIII.	NP, Moonak	Required - 18 Provided – 18 Gap - Nil	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, Moonak	Activity completed
IX.	MC, Sangrur	Required - 90 Provided – 77 Gap - 13	Already provided required no. of compost pits, however, its effective use will be ensured. Gap will be covered with Mechanical Composter	EO, Sangrur	31.03.2022
X.	MC, Sunam	Required - 70 Provided – 70 Gap - Nil	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, Sunam	Activity completed
XI.	MC, Ahmedgarh	Required - 32 Provided – 38 Gap - Nil	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, Ahmedgarh	Activity completed
XII.	NP, Amargarh	Required - 9 Provided – 21 Gap - Nil	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, Amargarh	Activity completed
XIII.	MC, Malerkotla	Required - 20 Provided – 86 Gap - 36	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, Malerkotla	30.06.2022
XIV.	Villages Panchayat (610)	Not Adequate	Plan yet to be prepared	DDPO	Preparation of action plan - 31.03.2022 Implementation –

					30.06.2025 By 30.06.2022 - 150 VPs By 30.06.2023 - 150 VPs By 30.06.2024 - 150 VPs By 30.06.2025 - 160 VPs
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	<p>MC Bhawanigarh Required- 1 Available - 1 Gap – Nil</p> <p>MC Cheema Required- 1 Available - 1 Gap – Nil</p> <p>NP Dirba Required- 1 Available - 1 Gap – Nil</p> <p>MC Dhuri Required- 2 Available - 2 Gap – Nil</p> <p>NP Khanauri Required- 1 Available - 1 Gap – Nil</p> <p>NP Longowal Required- 1 Available - 1 Gap – Nil</p> <p>MC Lehragaga Required- 2 Available - 2 Gap – Nil</p> <p>NP Moonak Required- 1 Available - 1 Gap – Nil</p> <p>MC Sangrur Required- 4 Available - 4 Gap – 0</p> <p>MC Sunam Required- 2 Available - 2</p>	All MCs/NPs have provided required no. of Material Recovery Facilities except MC Malerkotla. The bulk generators will be visited and an agreement with MCs/NPs will be executed for dry waste management by 30.06.2022.	All ULBs	30.06.2022

		<p>Gap – Nil</p> <p>MC Ahmedgarh Required- 1 Available - 1 Gap – Nil</p> <p>NP Amargarh Required- 1 Available - 1 Gap – Nil</p> <p>MC Malerkotla Required- 4 Available - 2 Gap – 2</p>			
		Villages Panchayat - Not provided	Action Plan yet to be prepared	DDPO	Preparation of action plan - 31.03.2022 Implementation - 30.06.2025 By 30.06.2022 - 150 VPs By 30.06.2023 - 150 VPs By 30.06.2024 - 150 VPs By 30.06.2025 - 160 VPs
(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	NP Dirba, MC Lehragaga, MC Longowal, NP Moonak & MC Sunam have already identified land for sanitary landfill site and work has been completed	Remaining MCs/NPs Bhwanigarh, (work in progress) Amargarh, Ahmedgarh, Dhuri, Malerkotla and Sangrur are in the process of establishing sanitary landfill sites for which DPRs/ tendering process is being carried out.	MCs / NPs	31.12.2022
(v) Remediation of historic / legacy dumpsite					
I.	MC, Bhawanigarh	<ul style="list-style-type: none"> Total legacy waste = 9061MT Waste remediated – 2265 MT Balance – 6796 MT 	The machinery like mechanical Separator has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO, Bhawanigarh	Start date – already started Completion date – 31.12.2022
II.	NP, Cheema	<ul style="list-style-type: none"> Total legacy waste – 900 MT Waste remediated – 50 MT Balance – 850 	The machinery like mechanical Separator has been purchased and same has been installed at legacy waste dumpsite to remediate	EO, Cheema	Start date – already started Completion date – 31.12.2022

		MT	the legacy waste.		
III.	NP, Dirba	<ul style="list-style-type: none"> Total legacy waste –1800 MT Waste remediated – 920 MT Balance – 880 MT 	The machinery like mechanical Separator has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO, Dirba	Start date – already started Completion date – 31.12.2022
IV.	MC, Dhuri	<ul style="list-style-type: none"> Total legacy waste – 42000 MT Waste remediated –0 MT Balance – 42000 MT 	The machinery like mechanical trammel/Separator has not been purchased yet, matter under process	EO, Dhuri	Start date – 31.12.2021 Completion date – 31.12.2022
V.	NP, Khanauri	<ul style="list-style-type: none"> Total legacy waste = 300 MT Waste remediated – 90 MT Balance – 210 MT 	The machinery like mechanical Separator has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO, Khanauri	Start date – already started Completion date – 31.12.2022
VI.	MC, Longowal	<ul style="list-style-type: none"> Total legacy waste = 1500 MT Waste remediated – 400 MT Balance – 1100 MT 	The machinery like mechanical Separator has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO, Longowal	Start date – already started Completion date – 31.12.2022
VII.	MC, Lehragaga	<ul style="list-style-type: none"> Total legacy waste = 6000 MT Waste remediated – 2000 MT Balance – 4000 MT 	The machinery like mechanical Separator has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO, Lehragaga	Start date – already started Completion date – 31.12.2022
VIII.	NP, Moonak	<ul style="list-style-type: none"> Total legacy waste = 2500 MT Waste remediated – 1200 MT Balance – 1300 MT 	The machinery like mechanical Separator has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO, Moonak	Start date – already started Completion date – 31.12.2022
IX.	MC, Sangrur	<ul style="list-style-type: none"> Total legacy waste = 16000 MT 	The machinery like mechanical Separator has not been purchased	EO, Sangrur	Start date – 31.12.2021 Completion date –

		<ul style="list-style-type: none"> Waste remediated – 0 MT Balance – 16000 MT 	, Purchase under process.		31.12.2022
X.	MC, Sunam	<ul style="list-style-type: none"> Total legacy waste = 15000 MT Waste remediated – 1000 MT Balance – 14000 MT 	The machinery like mechanical Separator has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO, Sunam	Start date – already started Completion date – 31.12.2022
XI.	MC, Ahmedgarh	<ul style="list-style-type: none"> Total legacy waste = 2230 MT Waste remediated – 320 MT Balance – 1910 MT 	The machinery like mechanical Separator has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO, Ahmedgarh	Start date – already started Completion date – 31.12.2022
XII.	NP, Amargarh	<ul style="list-style-type: none"> Total legacy waste = 3480 MT Waste remediated – 2080 MT Balance – 1400 MT 	The machinery like mechanical Separator has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO, Amargarh	Start date – already started Completion date – 31.12.2022
XIII.	MC, Malerkotla	<ul style="list-style-type: none"> Total legacy waste = 80100 MT Waste remediated – 100 MT Balance – 80000 MT 	The machinery like mechanical Separator has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO, Malerkotla	Start date – 31.12.2021 Completion date – 31.12.2022
XIV.	Villages Panchayat (610)	Not Started	Scheme for treatment of legacy waste in villages is yet to be prepared accordingly.	DDPO	Preparation of action plan - 31.03.2022 Implementation – 30.06.2025 By 30.06.2022 - 150 VPs By 30.06.2023 - 150 VPs By 30.06.2024 - 150 VPs By 30.06.2025 - 160 VPs
(vi)	Involvement of NGOs	Yes	NGOs shall be identified for the purpose.	MCs/NPs and DDPO	Regular Activity

(vii)	EPR of Producers: Linkage with Producers / Brand Owners	Linkage with Producers / Brand Owners	The producers / brand owners are being pursued to submit the action plan for disposal of plastic waste under EPR.	ULBs	30.06.2022
(viii)	Authorization of Waste Pickers	The status of authorization Identified / Authorized by MCs /NPs is as under: <ul style="list-style-type: none"> • Bhawanigarh- 0/0 • Cheema -0/0 • Dirba – 4/4 • Dhuri- 18/18 • Khanauri-4/4 • Longowal-6/6 • Lehragaga-17/17 • Moonak-4/4 • Sangrur-8/8 • Sunam-1/1 • Ahmedgarh-0/0 • Amargarh-0/0 • Malerkotla-15/15 	As per requirement, authorization of waste pickers will be carried out.	ULBs & DDPO	Regular activity
(ix)	Preparation of own by-laws to comply with SWM Rules 2016	<ul style="list-style-type: none"> • All MCs/NPs have already prepared • In village panchayats - yet to prepare. 	<ul style="list-style-type: none"> • All MCs/NPs have prepared • For village panchayats – Not yet prepared. 	<ul style="list-style-type: none"> • ULBs • DDPO 	<ul style="list-style-type: none"> • Activity completed • 31.03.2022
(x)	Removal of garbage vulnerable points (GVPs)	No gap	All the identified (GVPs) have been removed by the all MCs/NPs. However, a strict watch will be kept to avoid reoccurrence of GVPs	All ULBs	Activity Completed
(xi)	Provision of green belt and boundary wall around solid waste dumping site.	<p>MC Bhawanigarh Green Belt –Not provided Boundary Wall - Yes</p> <p>NP Cheema Green Belt –Not Provided Boundary Wall – Not Provided</p> <p>NP Dirba Green Belt – Provided Boundary Wall - Provided</p> <p>MC Dhuri Green Belt – Not provided</p>	The green belt around the boundary wall and construction of boundary wall of remaining MCs/NPs will be started & completed by 30.03.2022	Concerned MCs/NPs	31.03.2022

		<p>Boundary Wall – Not Provided</p> <p>NP Khanauri Green Belt – Provided Boundary Wall – Yes</p> <p>MC Longowal Green Belt – Provided Boundary Wall – Provided</p> <p>MC Lehragaga Green Belt – Provided Boundary Wall – Provided</p> <p>NP Moonak Green Belt – Provided Boundary Wall – Provided</p> <p>MC Sangrur Green Belt – Not Provided Boundary Wall – Not Provided</p> <p>MC Sunam Green Belt – Provided Boundary Wall – Provided</p> <p>MC Ahmedgarh Green Belt – Not Provided Boundary Wall – Not Provided</p> <p>NP Amargarh Green Belt – Provided Boundary Wall – Provided</p> <p>MC Malerkotla Green Belt – Not Provided Boundary Wall – Not Provided</p>			
(xii)	Providing compartments and GPS tracking in garbage carrying vehicles	All the MCs/NPs have provided compartments & VPS tracking in garbage carrying vehicle.	Already complied with	ULBs	Activity completed

(xiii)	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 alongwith Bio- remediation of legacy waste.	MCs/NPs	31.12.2022
(xiv)	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. Link for updated Swachhata-MoHUA App: https://play.google.com/store/apps/details?id=com.ichangemycity.swac hhbharat	All Local bodies	Already in place
(xv)	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)	None of the MC/NP has installed CCTV camera at dump sites	CCTV cameras will be installed at dumping sites by 31.12.2021	MCs/NPs	31.12.2021
(xvi)	Installation of Piezometer at Dump Site. (Directions of Hon'ble NGT in	MC Bhawanigarh – Not Installed NP Cheema – Not Installed NP Dirba – Not Installed	Piezometers at dump sites have not been installed. Shall be installed by 31.12.2021 However, monitoring is	Concerned MCs/NPs	31.03.2022 for MC Ahmedgarh 31.12.2021 for remaining

	OA no. 606 of 2018 dated 22.07.2019, 28.02.2019, 14.12.2020)	MC Dhuri – Installed NP Khanauri - Not Installed MC Longowal - Not Installed MC Lehragaga - Not Installed NP Moonak - Not Installed MC Sangrur -Not Installed MC Sunam -Not Installed MC Ahmedgarh - Not Installed NP Amargarh -Not Installed MC Malerkotla - Installed	being carried out on regular basis.		MCs/NPs
(xvii)	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 are being given to private contractor by MCs/NPs.	Proposal for utilization of carcass in a scientific manner is under consideration. However, boundary wall, hedges and plantation all around the carcass disposal points will be provided to control nuisance in the area by 31.03.2022.	MCs/NPs	For proposal submission – 31.3.2022 For installation – 30.06.2023
(xviii)	Carcass disposal to be done under the supervision Veterinary/Animal Husbandry Department of the State and the Local Bodies. (Directions of Hon'ble NGT in OA no. 465/2019 dated 15.04.2021	No gap	Carcass disposal will be ensured under the supervision of veterinary doctors.	MCs/NPs	Regular activity

(xix)	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 colonies / commercial complex.	The unauthorized colonies / residential complex / commercial complex projects will be visited to verify the present method of management of solid waste & liquid waste generated from said projects and compliance will be made from said projects, thereafter, accordingly.	MCs/NPs	Identification – 31.03.2022 Implementation – 31.03.2023
(xx)	To prepare proposal / scheme for management of solid waste in the villages either in cluster form or independently in individual villages	Inadequate Management of solid waste in the villages.	Scheme is yet to be prepared.	DDPO	31.10.2022
(xxi)	Information Education and Communication (IEC) activities in respect of solid waste.	No gap	The IEC activities in this regard are already being done by the concerned departments. However, more IEC activities will be carried out for creating more awareness for the management of solid waste.	MCs/NPs	Regular Activity
(xxii)	Constitution of District Environment Committee in view of the constitution provisions under article 243 G, 241 W and 243 ZD read with scheduled 11, 12 & 15 of SWM Rules, 2016.	No gap	Constituted by the State Government.	State Government	Activity completed
(xxiii)	Management of carcass in rural area.	Inadequate management of carcass in rural area.	No. of carcasses existing = 610	DDPO	Preparation of action plan - 31.03.2022 Implementation –

					30.06.2025 By 30.06.2022 - 150 VPs By 30.06.2023 - 150 VPs By 30.06.2024 - 150 VPs By 30.06.2025 - 160 VPs
(xxiv)	Dry-Waste Management: Material Recovery for dry-waste fraction (RDF)	Initiated	All MCs/NPs have provided adequate no. of MRFs for the management of dry waste except Sangrur & Malerkotla.	EO Sangrur & Malerkotla.	30.06.2022
(xxv)	Management of Horticulture Waste in MCs.	The MCs/NPs have provided compost pits in all the parks. There is as such no gap.	All MCs / NPs have provided adequate no. of compost pits for the management of horticulture waste.	MCs/NPs	Activity completed

2. 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.	MC, Bhawanigarh	0.45
2.	NP, Cheema	0.23
3.	NP, Dirba	0.34
4.	MC, Dhuri	1.1
5.	NP, Khanauri	0.28
6.	MC, Longowal	0.36
7.	MC, Lehragaga	0.45
8.	NP, Moonak	0.36
9.	MC, Sangrur	1.76
10.	MC, Sunam	1.38
11.	MC, Ahmedgarh	0.64
12.	NP, Amargarh	0.15
13.	MC, Malerkotla	2.71
	Total	10.21

	Local Bodies	Estimated quantity of Plastic Waste Generated MT/per day
1	Villages Panchayats (610)	3

(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	MCs/NPs Achievement – 100% Gap – Nil	Already achieved 100 % door to door collection	MCs/NPs	Regular activity

		Villages Panchayat (610)- not initiated	Action Plan is yet to be prepared	DDPO	Preparation of action plan - 31.03.2022 Implementation – 30.06.2025 By 30.06.2022 - 150 VPs By 30.06.2023 - 150 VPs By 30.06.2024 - 150 VPs By 30.06.2025 - 160 VPs
2.	Facilitate organised collection of PW at Waste transfer point or Material Recovery Facility	<p>The status of facilities available with MCs/NPs for collection of plastic waste is as under:</p> <ul style="list-style-type: none"> • Bhawanigarh- 19 • Cheema -13 • Dirba - 13 • Dhuri- 42 • Khanauri-15 • Longowal-13 • Lehragaga-36 • Moonak-26 • Sangrur-82 • Sunam-46 • Ahmedgarh-36 • Amargarh-14 • Malerkotla-55 <p>The facilities are adequate for collection plastic waste.</p> <p>Village Panchayats (610)-</p>	All MCs/NPs have installed required no. Material Recovery Facilities (MRF). MC Sangrur, Sunam, Bhwanigarh have moved for enhancement of MRFs Capacity.	MCs/NPs	Activity completed
			Action plan yet to be prepared	DDPO	Preparation of action plan - 31.03.2022 Implementation – 30.06.2025 By 30.06.2022 - 150 VPs By 30.06.2023 - 150 VPs By 30.06.2024 - 150 VPs By 30.06.2025 - 160 VPs
3.	PW collection Centres	<p>MC Bhawanigarh Required- 1 Available - 1 Gap – Nil</p> <p>MC Cheema Required- 1</p>	All MCs/NPs have installed required no. Material Recovery Facilities (MRF) except MC Malerkotla. MC	EO Malerkotla	30.06.2022

		<p>Available - 1 Gap – Nil</p> <p>NP Dirba Required- 1 Available - 1 Gap – Nil</p> <p>MC Dhuri Required- 2 Available - 2 Gap – Nil</p> <p>NP Khanauri Required- 1 Available - 1 Gap – Nil</p> <p>NP Longowal Required- 1 Available - 1 Gap – Nil</p> <p>MC Lehragaga Required- 2 Available - 2 Gap – Nil</p> <p>NP Moonak Required- 1 Available - 1 Gap – Nil</p> <p>MC Sangrur Required- 4 Available - 4 Gap – 0</p> <p>MC Sunam Required- 2 Available - 2 Gap – Nil</p> <p>MC Ahmedgarh Required- 1 Available - 1 Gap – Nil</p> <p>NP Amargarh Required- 1 Available - 1 Gap – Nil</p> <p>MC Malerkotla Required- 4 Available - 2 Gap – 2</p>	Sangrur, Sunam, Ahmedgarh, Bhwanigarh have also moved for enhancement of MRFs Capacity.		
4.	Awareness and education programs implementation	No Gap	Awareness is being created amongst the public by organizing seminars,	MCs/NPs	Regular activity

			through school children, by providing banners at prominent places of the city etc. The MCs/NPs are conducting meetings with owners of hotels / restaurants / marriage palaces to eliminate single use plastic.		
5.	Access to Plastic Waste Disposal Facilities	MC Sangrur executed an agreement with Max Specialty Films to purchase / collect any kind of plastic / garbage.	The use of plastic waste in road construction and in industrial sector like pyrolysis plants, recyclers etc. is being made by remaining MCs/NPs.	MCs/NPs	Regular Activity
6.	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)	Total units – 18 Registration obtained – 8 Gap - 10	The industrial units who are not registered under plastic rules are being pursued for obtaining registration by the Board	PPCB	30.06.2022
7.	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	<ul style="list-style-type: none"> • PMIDC came into contract with one agency MAX speciality Films in this regard to purchase/collect any kind of plastic garbage from the ULBs. • PMIDC coordinated with PWD and Mandi Board to utilize plastic waste in Roads. • More effective Disposal facility needs to be engaged under 	MCs / NPs	31.03.2022

			guidance of PMIDC		
8.	Framing of bye-laws incorporating the provisions of Plastic Waste Management Rules, 2016. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	ULBs- Already made Rural areas- yet to frame	MCs/NPs already framed Rural Panchayats = yet to prepared	MCs/NPs and DDPO	Activity already completed 31.03.2022
9.	Set up, operationalize and co-ordinate for Plastic Waste management in Rural area. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Inadequate	Proposal is yet to be prepared	DDPO	Preparation of action plan - 31.03.2022 Implementation – 30.06.2025 By 30.06.2022 - 150 VPs By 30.06.2023 - 150 VPs By 30.06.2024 - 150 VPs By 30.06.2025 - 160 VPs
10.	Ban on non-recyclable single use polythene bags. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	ULBs - Initiated	Ban has been already imposed by the State Govt., on sale, purchase, manufacturing and stock of plastic carry bags. The MoEF & CCP vide its notification dated 12.08.2021 has banned Single use plastic with effect from 1.07.2022. Further, the guidelines of the Centre and State Govt., regarding banning of single use plastic will be complied with.	ULBs & PPCB	Activity already completed
11.	Segregation, collection, storage, transportation of plastic waste and channelizing of recyclable plastic	No gap.	Recyclable plastic waste is collected, transported and stored separately by all ULBs. Currently such plastic is being stored at MRF.	ULBs	Activity already completed

	waste fraction to recycler having valid registration. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021	In Villages – not adequate.	Action plan is yet to be prepared	DDPO	Preparation of action plan - 31.03.2022 Implementation – 30.06.2025 By 30.06.2022 - 150 VPs By 30.06.2023 - 150 VPs By 30.06.2024 - 150 VPs By 30.06.2025 - 160 VPs
12.	Awareness to the waste generator to take steps to minimize the plastic waste and segregate plastic waste at source. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	No Gap	Awareness is being carried out on regular basis by organizing camps.	ULBs & DDPO	Regular activity
13.	Encouragement to the education institute to take up waste management in their curriculum and create student project for waste recycling. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	No gap	Already being followed and seminars are being organized.	DEO (Primary & Secondary)	Regular activity
14.	Directions to Gram Panchayat to perform functions such as ensuring segregation, collection, storage, transportation, plastic waste and channelization of recyclable plastic waste fraction to recyclers having valid registration. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Initiated	Directions are already been given to BDPO's ensuring segregation, collection, storage, transportation, plastic waste and channelization of recyclable plastic waste fraction to recyclers having valid registration	DDPO	Regular activity

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

3. C & D Waste Management

▪ a. Current status related to C & D Waste

Details of Data Requirement	Present Status
Total C & D waste generation in MT per day (As per data from Municipal Corporations / Municipalities)	MC Bhawanigarh – 0.4 MT NP Cheema – 0.1 MT NP Dirba – 0.2 MT MC Dhuri – 12 MT NP Khanauri – 0.3 MT MC Longowal- 0.5 MT MC Lehragaga- 0.6 MT NP Moonak- 0.4 MT MC Sangrur- 30 MT MC Sunam- 27 MT MC Ahmedgarh- 0.6 MT NP Amargarh-0.1 MT MC Malerkotla-32 MT Total –104.2 MTD
Does the District has access to C&D waste recycling facility?	No

b. Identification of gaps and Action plan:

S. No.	Action points for blocks / town municipalities / City corporations	Identification of Gaps	Action Plan	Responsible agency	Timeline for completion of action plan
1.	Arrangement for separate collection of C&D waste to C&D waste deposition point.	All the MCs/NPs have already identified sites and made operational for separate collection of C & D waste	Already completed	MCs / NPs	Activity completed
2.	Whether local authority have fixed user fee on C&D waste and introduced permission system for bulk waste generators who generate more than 20 tons or more in one day or 300 tons per project in a month?	No gap	Already fixed	MCs/NPs	Activity completed

3.	C&D recycling Facility	Presently, there is no C&D recycling Facility in the District.	Department of Urban Development is preparing proposal for installation of recycling facility.	ADC (UD)	<ul style="list-style-type: none"> • Preparation of proposal 31.03.2022 • Implementation - 30.04.2023
4.	Usage of recycled C&D waste in non-structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	Presently there is no C&D recycling facility in the District. No C&D waste is being recycled.	Department of Urban Development is preparing proposal for installation of recycling facility. Once, the recycling facility will be installed, C&D waste will be recycled.	MCs/NPs	<ul style="list-style-type: none"> • Preparation of proposal 31.03.2022 • Implementation - 30.04.2023
5.	IEC on C & D waste management	No gap	Awareness is being made through media, NGOs & radio.	MCs/NPs	Regular Activity

4. Biomedical Waste Management

a. Current Status related to biomedical waste

Inventory of BMW in the District	Quantity
Total no. of Bedded Healthcare Facilities	168
Total no. of non-bedded HCF	339
No. of HCFs authorized by SPCBs/PCCs	All HCFs are authorized once
No of Common Biomedical Waste Treatment and Disposal Facilities (CBWTFs)	0
Capacity of CBWTFs	NA
No. of Deep burials for BMW if any	0
Quantity of biomedical waste generated per day	260 kg/day
Quantity of biomedical waste treated per day	260 kg/day

b. Identification of gaps and Action plan:

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

4.	Awareness and education of healthcare staff	No gap	Training programmes are being organized for all stakeholders from time to time.	PPCB & HCFs	Regular activity
5.	Adequacy of Funds	No gap	Pvt. HCFs – Funds available Govt. HCFs – Funds are arranged from time to time as per requirement.	CMO	Regular activity
6.	Compliance to Rules by HCFs and CBWTFs	No gap	The HCF are being visited by PPCB to check the compliance of BMW Rules. The HCFs are being pursued to install ETP cum STP in their premises to treat wastewater	PPCB & HCF	31.03.2022
7.	District Level Monitoring Committee	No gap	Meetings are taken almost on monthly basis by DEC	District Administration & PPCB	Regular activity
8.	Wastewater Treatment	<ul style="list-style-type: none"> • Total HCFS Required ETP = 168 • Total HCF install ETPs = 12 • Gap = 158 	HCFs are being pursued to install the wastewater treatment facility. The meetings are being held association level to get the compliance from HCFs.	PPCB	31.03.2022
9.	Disposal of radioactive materials. With the proliferation of radiotherapy, nuclear medicine, X Rays, CT Scans and other equipment's using radioactive materials. (Directions of Hon'ble NGT in OA no. 710 of 2017 dated 18.01.2021)	No gap	<ul style="list-style-type: none"> • Most of the Hospitals now have provided the digital X-Ray, 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. 	Health department	Activity Completed

5. Hazardous Waste Management

a. Current Status related to Hazardous Waste Management

Details of Data Requirement	Present Status
No of Industries generating HW	84
Quantity of HW in the district (MT/Annum)	17228.89
(i) Quantity of Incinerable HW (MT/Annum)	90.84
(ii) Quantity of land-fillable HW(MT/Annum)	1791.82
(iii) Quantity of Recyclable / utilizable HW (MT/Annum)	15,346.23
No of captive/common TSDF	0
Contaminated Sites or probable contaminated sites	1

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	The hazardous waste generating industries have already been identified and inventorized. <ul style="list-style-type: none"> No. of HW generating units: 84 No. of authorized Industries: 84 	Regular camps are being organized to pursue the industries to obtain the authorization. Also, new hazardous waste generating industries are being identified after making field visits.	PPCB	Regular activity
2.	Establishment	No gap.	The industries generating hazardous waste have already executed an agreement with TSDF and authorized recyclers for disposal of hazardous waste. However, a continuous follow up will be made to rule out	PPCB	Regular activity

			unscientific disposal of hazardous waste by the industrial unit		
3.	Training of workers involved in handling / recycling / disposal of HW	No gap	The workers are being trained time to time for the management and handling of hazardous waste in industrial units.	Department of Industries and PPCB	Regular activity
4.	Availability / Linkage with common TSDF or disposal facility	No gap.	The hazardous waste generating industries have already executed an agreement with TSDF and authorized recyclers for lifting of hazardous waste from their premises. However, new identification of hazardous waste generating industries is being carried out regularly.	PPCB	Regular activity
5.	Contaminated Sites	1	The matter is pending in the Hon'ble NGT and has already constituted the Committee to access the extent of contamination and preparation of remediation plan in the matter of OA no. 169 / 2021. The CPCB & PPCB have been made nodal agencies in the said matter. The next date of hearing in the matter is 12.11.2021.	CPCB & PPCB	Not yet fixed.

6. E-Waste Management

a. Current Status related to E-Waste Management

Details of Data Requirement	Present Status
Inventory of E-Waste in MT/year	Not available
Collection centers established by ULBs in the District	2
Collection centers established by Producers or their PROs	0
No 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 / bulk waste generator is under process.	To inventorize / identify all the e-waste generating establishments and bulk generators.	PPCB	30.03.2022
2	E-Waste collection points	Already provided	Already established	MCs/NPs	Activity completed
3	Linkage among Stakeholders to channelize E-Waste	Linkage among Stakeholders is being done	Work under progress	MC/NP	31.03.2022
4	Regulation of Illegal E-Waste recycling / dismantling	Not initiated	Surprise visits will be made to identify illegal e-waste recyclers / dismantlers	District Administration & PPCB	31.12.2022
5	Integration of informal sector	Being done.	Being prepared.	District Administration & PPCB	31.03.2022
6	Awareness and Education	Initiated	Special workshops and awareness campaigns through Producers / PROs is being carried out	District Administration & PPCB	Regular activity
7.	Identification of Producers who have not obtained, EPR Authorization (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Initiated	This is a continuous activity and will be followed.	SPCBs/ PCCs/Custom department	Regular activity

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

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

3.0 Air Quality Management

a. Current Status related to Air Quality Management

Details of Data Requirement	Present Status
Number of Automatic Air Quality monitoring stations in the district. - Operated by SPCB / State Govt / Central govt./ PSU agency : - Operated by Industry:	0 0
Number of manual monitoring Stations operated by SPCBs	3
Name of towns / cities which are failing to comply with national ambient air quality stations	0
No. of air pollution industries	1175
No. of units installed APCD	1175
Status of Air consent	1175 (once granted)
Prominent air polluting sources	Paper Industry / Food Processing / Milk Plants / Rice Shellers / Brick Kilns/ Burning of Waste stubble / Vehicular pollution.

b. Identification of gaps and action plan:

S. No.	Action points	Indicative Action Plan	Responsible agency	Timeline for completion of action plan.
1.	Identification of prominent air polluting sources?	Small scale Industry (brick kiln & rice sheller), Unpaved Roads, Burning of Waste Stubble & Vehicular pollution.	PPCB, PWD & Agriculture Department	Regular activity
2.	Ambient Air quality data?	Three no. air quality monitoring stations have already been installed at village Mastuana Sahib, Kila Bharian & Naudharani Distt. Sangrur. The data of said stations is being uploaded on official website of PPCB on regular basis. Web link: ppcb.gov.in/en/air-quality	PPCB	Regular Activity

3.	Setting up of Continuous Ambient Air Quality Monitoring Station (CAAQMS)	At present, there is no proposal for installation of CAAQMS at District Sangrur as this district does not falls in the list of non-attainment cities.	PPCB	Not yet prescribed
4.	District Level Action Plan for Air Pollution	District Sangrur does not falls in the list of non-attainment cities. Hence not applicable.	PPCB	Not yet prescribed
5.	Hotspots of air pollution in District	District Sangrur does not falls in the list of non-attainment cities. Hence not applicable.	PPCB	Not yet prescribed
6.	Awareness on Air Quality	Awareness is being carried out on regular basis. The data of air quality monitoring station is also uploaded on official website of PPCB to create awareness to the public. Web link: ppcb.gov.in/en/air-quality	PPCB	Regular activity
7.	Conversion of Natural Draft Brick Kilns to Induced Draft Brick Kilns	All the operational brick kilns have already been converted into induced draft technology	PPCB	Activity already completed
8.	Maintain pothole free roads / timely patchwork on roads	Patchwork of roads is a continuous process. As and when potholes are developed, the same are got repaired as soon as possible.	PWD	Regular activity
9.	Procurement of Mechanical sweeping machines	Only required by MC Sangrur and same had already been purchased and in use.	MC Sangrur	Activity already completed
10.	Plantation of trees along highways, drains, Nallahs in colonies and canals etc.,	Plantation is being carried out from time to time.	MCs/NPs	Regular activity
11.	Greening of parks, open areas, community places, schools and housing societies	Plantation drive will be carried out on regular basis to have a more plantation at different locations.	PPCB, Forest Dept.	Regular activity
12.	Kaccha/Brick Paved Roads to be made Pucca roads	The Paved roads/kaccha roads will be converted into pucca roads in each ULBs.	MCs/NPs	30.06.2022
13.	Existing roads requiring recarpeting	The roads of ULBs presently are in good condition. The re-carpeting will be done as and when required.	MCs/NPs	Regular activity

14.	Public awareness campaign for control of vehicular emissions	The camps are being organized on regular basis. Facebook, Twitter & Instagram) is also being used to spread traffic awareness. Quarterly camp will be organized for awareness.	Traffic Police, Transport Department	Regular activity
15.	Extensive drive against polluting vehicles	This drive against polluting vehicles has already been initiated by the Police department.	Traffic Police	Regular activity
16.	Prevention parking of vehicles in non-designated areas by enforcement actions	This drive has already been initiated by the Police department to prevent parking of vehicles in non-designated areas. Challans are also been issued to the violators.	Traffic Police	Regular activity
17.	Phasing out commercial diesel vehicles more than 15 years old	Scheme under consideration.	Transport	31.12.2022
18.	Promotion of E-Vehicles	Promotion of E-vehicles is being carried out.	Transport	Regular activity
19.	Infrastructure development for additional of CNG based autos/taxis	Infrastructure will be developed to promote CNG based autos/taxis. Also IEC activities will be carried out to create awareness in this regard.	DFSC	31.03.2022
20.	Control of open burning of biomass.	Regular monitoring is being done in each ULB.	MCs/NPs	Regular activity
21.	Dissemination of Air Quality Index by installing CAAQMS	At present, there is no proposal for installation of CAAQMS at District Sangrur as this district does not falls in the list of non-attainment cities.	PPCB	Not required
22.	Dissemination of Air Quality Index by installing display boards in the city	At present, there is no proposal for installation of CAAQMS at District Sangrur as this district does not falls in the list of non-attainment cities.	PPCB	Not required
23.	Quality Management Division (AQMD) at PPCB (HQ) Establishment of an Air Quality Monitoring Station	Work is under progress.	PPCB	31.12.2021
24.	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

25.	Scope for public participation on remedial measures like plantations. (Directions of Hon'ble NGT in OA no. 360/2018 dated 05.07.2021)	Plantation and maintenance will be done by public participation mode.	Department of forest	Regular Activity
26.	For development of plantation along the highways.	This derive will be carried out on regular basis for development of plantation along the highways.	PWD & Deptt. of Forest	Regular Activity
27.	Steps to be taken for management of agriculture waste/residue	<ul style="list-style-type: none"> • In order to management of agriculture waste / residue, Deptt. of Agriculture is providing machines to the farmers by giving subsidy on the rates. • IEC activities like farmer training camps, Hoarding and field demonstrations are also being carried out to spread the awareness amongst the farmers. 	Agriculture department	Regular Activity.

4.0 Water Quality Management

4.1 Water Quality Monitoring

a. Current Status related to Water Quality Management

Details of Data Requirement	Present Status
Rivers	1
Length of Coastline (if any)	0
Nalas/ Drains/Creeks meeting Rivers	3
Lakes / Ponds	870
Total Quantity of sewage from towns and cities in District	89 MLD
Quantity of industrial wastewater	17.55 MLD
Percentage of untreated sewage	75.28 %
Details of bore wells and number of permissions given for extraction of groundwater	No of Borewell =106226
Groundwater polluted areas if any	1
Polluted river stretches if any	0

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 water bodies has already been made by the concerned department. weblink: irrigation.punjab.gov.in	Drainage Deptt.	Activity completed and process of inventory preparation shall be continued.
2.	Quality of water bodies in the district	The monitoring of drains is being carried out and data is being maintained. weblink: https://irrigation.punjab.gov.in/en	Department of Irrigation, DDPO and PPCB	Regular activity
3.	Hotspots of water contamination	Being identified.	PPCB	31.12.2022
4.	Protection of river / lakewater front	Awareness is being carried out in the public to stop the dumping of solid waste in drains/Nallah. Patrolling along the drains is also being carried out by the concerned departments to rule out the disposal of	MCs/NPs & Deptt. of Drainage.	Regular activity

		solid waste in an around water bodies.		
5.	Inventory of sources of water pollution	Source of pollution into drains / nallahs is being identified.	MCs/NPs, Drainage department & PPCB	Regular Activity
6.	Oil spill disaster management (for coastal districts)	NA	NA	NA
7.	Protection of flood plains	NA	NA	NA
8.	Rejuvenation of groundwater	Action plan for Rain water harvesting has already been prepared by CGWA. weblink: cgwb.gov.in	CGWA	Regular Activity
9.	Complaints redressal system	Mobile App / Online Complaints redressal system already developed. weblink: publicgrievancepb.gov.in	PPCB	Activity completed

4.2 Domestic Sewage

a. Current status related Domestic Sewage

Details of Data Requirement	Present Status
No of Class-II towns and above	10
No. of Class-I towns and above	4
No. of Towns STPs installed	5
No. of Towns needing STPs	9
No. of ULBs having partial underground sewerage network	12
No. of towns not having sewerage network	0
Total Quantity of Sewage generated in District from Class II cities and above	89 MLD
Quantity of treated sewage flowing into Rivers (directly or indirectly)	15.5 MLD
Quantity of untreated or partially treated sewage (directly or indirectly)	67 MLD
Quantity of sewage flowing into lakes	0
Total available Treatment Capacity	22 MLD

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

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Sewage Treatment Plants (STPs)	MC Sunam STP of capacity 8 MLD has already installed and made operational.	MC and PWSSB	Activity already completed
		MC Lehragaga STP of capacity 4 MLD has already installed and made operational.	MC and PWSSB	Activity already completed
		NP Moonak STP of capacity 3 MLD has already installed and made operational.	MC and PWSSB	Activity already completed
		NP Khanouri STP of capacity 3 MLD has already installed and made operational.	MC and PWSSB	Activity already completed
		MC Bhawanigarh STP of capacity 4 MLD has already installed and made operational.	MC and PWSSB	Activity already completed
		MC Sangrur STP of capacity 11 MLD has	MC and PWSSB	31.03.2023

		been proposed and land acquisition is under process STP of capacity 4 MLD is under installation. About 80 % civil work has already been completed.		31.03.2022
		MC Dhuri STP of capacity 6 MLD has been proposed and land acquisition is under process STP of capacity 5 MLD is under installation. About 70 % civil work has already been completed.	MC and PWSSB	31.03.2023 30.06.2022
		NP Dirba STP of capacity 3 MLD has been proposed and tendering process is in progress	MC and PWSSB	31.03.2023
		MC Longowal STP of capacity 5 MLD is under installation. About 30 % civil work has already been completed.	MC and PWSSB	31.12.2022
		NP Cheema STP of capacity 2 MLD has been proposed and tendering process is in progress	MC and PWSSB	31.03.2023
		MC Malerkotla STP of capacity 22 MLD is under installation. About 20 % civil work has already been completed.	MC and PWSSB	31.12.2022
		MC Ahmedgarh STP of capacity 22 MLD is under installation. About 20 % civil work has already been completed.	MC and PWSSB	31.12.2022
		NP Amargarh The work of STP of capacity 1.5 MLD is yet to start and DPR is under process	MC and PWSSB	31.03.2023
2	Underground sewerage network	The status of sewerage network for different towns of Distt. Sangrur is as under: Bhawanigarh – 60% Cheema - 60% Dirba - 60% Dhuri - 85% Khanauri - 95% Longowal - 95% Lehragaga - 95% Moonak - 95% Sangrur - 85%	PWSSB	31.12.2022

		<p>Sunam - 80% Ahmedgarh – 30 % Amargarh – 95 % Malerkotla – 60 %</p> <p>The DPR for remaining work has been prepared to complete pending work.</p>		
3.	Setting up of real time water quality monitoring system to monitor the quality of water	One no. RTWQMS station has been installed at downstream of Sagarpara Drain at Khanouri.	PPCB	Already installed
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	Completed, no gap	MC /NP & PWSSB	Regular activity
	(ii) Providing proper in-house laboratory facilities at each STP for maintaining record of characteristics of analysis of untreated as well as treated waste water	Completed	MC /NP & PWSSB	Activity completed
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	Technology already finalized	DDPO / EE, Panchayati Raj	Activity completed
	(ii) Arrangement of Funds for treatment technology in various villages identified in the Action Plan	For 153 no. of village ponds, funds have been arranged. The work for arrangement of funds for the remaining village is under process.	DDPO & Xen Panchayati Raj	31.12.2022
	(iii) Reuse of water for agriculture purpose in villages.	For 4 no. of village ponds, irrigation scheme has already been implemented. Work on villages (for 61 no. ponds) is under progress. Remaining will be implemented in due course of time.	DDPO, Soil conservation department & Xen Panchayati Raj.	31.12.2023

	(iv) Proper operation and maintenance of treatment facilities installed in village ponds	In 153 no. of village ponds, operation and maintenance of treatment facilities is being carried out. The work for remaining villages is under progress under the MGNREGA Scheme	DDPO & Xen Panchayati Raj	31.12.2025
6.	(i)Checking of health indices of the in-habitants & maintain database. (ii)Holding awareness camps in the catchment area of River Sutlej 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.	Setting up of additional water bodies/water harvesting structures	Action plan for setting up of additional water bodies/water harvesting structure is yet to be prepared.	MCs/NPs	31.12.2022
8.	Guidelines for control of pollution and enforcement of Environmental Norms in marriage halls, banquet halls, etc. along with consent management system. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	Being implemented as per guidelines framed by CPCB	PPCB	31.12.2022
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)	Being implemented as per guidelines framed by CPCB. • Total no. of units: 38 • No. of units having installed ETP / STP: 4 • Gap: 34	PPCB	31.12.2022
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)	Being implemented as per guidelines framed by CPCB	PPCB	31.12.2022
11.	The local authorities /corporations should carry out inventory of the dairy farms and gaushalas. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	Being prepared.	MCs/NPs	30.06.2022

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.	MCs/NPs	31.03.2022
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)	Such Committees will be constituted	District Administration	31.12.2021
14.	There must be no general permission for withdrawal of ground water, particularly to any commercial entity, without environment impact assessment of such activity on individual Assessment units in cumulative terms covering carrying capacity aspects by an expert committee. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Noted for compliance and will be assured.	All local bodies & DDPO	Regular activity
15.	All Overexploited, Critical & Sensitive (OCS) assessment units must undergo water mapping. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Water mapping of all the OCS assessment units has been carried out as per the guidelines of GOI as per GEC-2015 Methodology by taking Block as a Unit of Assessment. The data of years 2015-19 has been taken for assessing the same recently.	Water Resources	Activity Completed
16.	Water Management Plans need to be prepared for all OCS assessment units in the country based on the mapping data, starting with Overexploited blocks. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Punjab Government has engaged M/s Mekorot, National Water Company of Israel to formulate the Water Conservation and Management Master Plan for the State of Pb. and their final recommendations is likely to be submitted by Dec, 2021.	Water Resources	31.03.2022

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.	CGWB	31.03.2022
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 224 ponds have been rejuvenated/restored. B) Rest 811 will be restored upto 31.12.2025.	DDPO	<ul style="list-style-type: none"> • 200 ponds: 31.12.2022 • 200 ponds: 31.12.2023 • 200 ponds: 31.12.2024 • 211ponds: 31.12.2025
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 specifically for the purpose (Directions of Hon'ble NGT in OA no. 325/2015 dated 18.11.2020)	A proposal will be prepared in coordination with technical bodies to tap excess run of rivers / canals to rainfall season to recharge old water bodies and to retain water in new ponds.	Irrigation / Drainage department / Local Bodies	31.12.2026
20.	Land owning agencies must ensure that every water body has unique ID for its identification. There should be retagging of the water bodies to prevent encroachment. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Already implemented	Drainage Department	Activity Completed
21.	Awareness among public to set up Rainwater Harvesting System and about its utility should be enhanced. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Being carried out by all ULBs.	Local Bodies	Regular Activity
22.	Installation of STP will be mandatory for all residential apartments/group housing	Directions are already being followed.	MCs/NPs	Regular Activity

	societies where groundwater requirement is more than 20 m ³ /day for getting NOCs. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)			
23.	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 = 31.03.2022.	PWSSB	Time line for Preparation of plan = 31.03.2022. Time line for implementation of plan = 30.09.2022.
24.	Control of illegal extraction of groundwater. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Inspections are being made to control illegal extraction of ground water.	All Local Bodies	Regular Activity
25.	Review of District Environmental Plan activities at different levels of District Heads and District Magistrate. (Directions of Hon'ble NGT in OA no. 360/2018 dated 05.07.2021)	The Activities of District Environmental Plan will be reviewed on monthly basis by the District Heads and at the level of Deputy Commissioner.	District Heads of concerned departments and District Administration.	Regular activity
26.	Appointment of Nodal officer with contact number	All the departments have appointment the Nodal officer and list is attached as Annexure-1	All concerned departments	Completed
27.	Preparation of operational manual of STPs for the effective and efficient operation of the STPs of the state.	Under preparation.	PPCB	Time target: 31.10.2021
28.	Enhancement of capacity of existing ponds/ water bodies and creating of new water harvesting structures.	A. Existing Ponds(Total) = 1035 B. No. of Ponds whose Capacity has been enhanced = 182 C. New ponds = Nil Source of Funds above activities: Gram Panchayat Fund, Finance Commission, MGNrega.	DDPO	31.12.2025

29.	Usage of treated sewage for sprinkling purposes for sweeping of roads to control dust pollution.	The treated sewage of District Sangrur will be used for sprinkling purposes for sweeping of roads to control dust pollution.	MC/NP	Regular activity
30.	Mapping of the rivers and flood plain zones in the catchment area of rivers of the State.	NA	NA	NA
31.	Utilization of STPs sludge	STP sludge is used by the farmers as manure.	MC /NP	Regular activity
32.	Framing policy for the management of highly contaminated Feecal sludge generated from the rural areas.	Progress achieved: State level policy matter and time target for framing of policy will be informed after taking up matter at higher level.	DDPO	Policy will be framed by 30.04.2022. Implementation = 30.04.2025
33.	Reuse of treated effluent through existing STPs (OA no. 496/2016 dated 22.01.2021)	5 no. STPs have been installed at Sunam, Lehra, Bhawanigarh, Moonak & Khanouri falling in the jurisdiction of District Sangrur and the treated effluent is being discharged partially into drains (in no demand period) and partially for irrigation purpose.	Department of Soil conservation & ULBs / PWSSB	Regular activity
34.	Reuse of treated effluent through proposed STPs (New STPs) (OA no. 496/2016 dated 22.01.2021)	As and when new STPs are installed and made operational, treated waste water will be re-used for irrigation purpose	Department of Soil conservation , ULBs /PWSSB	<ul style="list-style-type: none"> • NP Cheema - 31.12.2023 • MC Dirba - 31.12.2023 • MC Dhuri - 31.12.2023 • NP Longowal - 30.09.2023 • MC Sangrur - 31.12.2023 • MC Ahmedgarh - 30.09.2023 • NP Amargarh - 31.12.2023 • MC Malerkotla - 30.09.2023
35.	Installation, operation & maintenance of online continuous effluent monitoring system with flow meter as well as CCTV cameras for the existing STPs as well as new STPs to be installed.	5 no. STP have already been installed and made operational. Installation of OCEMS and CCTV camera with the said STPs is under consideration.	MC / NP & PWSSB	31.12.2021
36.	Activity w.r.t. In-situ remediation technology to be provided in the drains carrying untreated sewage.	Proposal Yet to prepare	MCs/NPs	31.12.2022

5.0 Industrial wastewater management

a. Current Status related to Industrial Wastewater Management

Number of Red, Orange, Green and White industries in the District	Red Category unit = 117, Orange Category unit = 1356 Green Category unit = 241
No of Industries discharging wastewater	137
Total Quantity of industrial wastewater generated	17.155 MLD
Quantity of treated industrial wastewater discharged into Nalas / Rivers	10 MLD
Common Effluent Treatment Facilities	Installed =0 Under installation= 0
No of Industries meeting Standards	Regular activity, as industries are being monitored as per protocol prescribed by CPCB / PPCB
No of Industries not meeting discharge Standards	Regular activity, as industries are being monitored as per protocol prescribed by CPCB / PPCB

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

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Compliance to discharge norms by Industries	Necessary action is being taken against the industries not meeting the standards.	PPCB	Regular activity
2.	Complaint redressal system	Online compliant portal already developed. Web link: publicgrievancepcb.gov.in	PPCB	Activity complied
3.	Installation of Electromagnetic flow meters at inlet and outlet of ETP.	The water polluting industrial units have already installed the EMF meters. However, inspections will be made to check its functioning and records being maintained by the said industries.	PPCB	30.04.2022
4.	Inspection of units to check compliance	Industrial units are being inspected as per the protocol prescribed by the Board.	PPCB	Regular activity

6.0 Mining Activity Management plan

a. Current Status related to Mining Activity Management

Details of Data Requirement	Existing Mining operations
Type of Mining Activity	No mining activity is carried out in the jurisdiction of district Sangrur
No of licenced Mining operations in the District	NA
% Area covered under mining in the District	NA
Area of Sand Mining	NA
Area of sand Mining	NA

b. Identification of gaps and action plan:

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Monitoring of Mining activity	No mining activity is carried out in the jurisdiction of district Sangrur	Department of water resources	-
2.	Inventory of illegal mining if any mining	No mining activity is carried out in the jurisdiction of district Sangrur	Department of water resources	-
3.	Environment compliance by Mining industry	No mining activity is carried out in the jurisdiction of district Sangrur	Department of water resources	-

7.0 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 indistrict	No of analyzer available = 1

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.	Required – 9 Available – 1 Gap -8	PPCB & Police Department	31.12.2022
2.	Ambient Noise Level monitoring.	Yet to install	PPCB	Under consideration
3.	Signboards in Noise zones	Sign boards are installed at sensitive zones. However, sign boards in other areas are yet to install	ULBs	30.06.2022
4.	Complaint redressing system	Public complaint redressal system already established in the district. Web link: publicgrievancepcb.gov.in	PPCB, Police Deptt. & District Administration	Activity completed
5.	Checking of pressure horn of vehicles	Regular checking of vehicle is being done by the police department and PPCB.	Police Department & PPCB	Regular activity.

List of Nodal Officers (Annexure-1)

List of the Nodal Officers of the stakeholder Departments

Sr. no	Name of the Department	Nodal Officer Name	Designation	Mobile no.	Email Id
1.	District Administration	Sh. Amrinder Singh Tiwana	Assistant Commissioner (G)	99152-23556	dc.sgr@punjab.gov.in
2.	Office of Additional Deputy Commissioner (UD), Sangrur	Sh. Latif Ahmed	Additional Deputy Commissioner (UD)	94170-55198	adcudsangrur@gmail.com
3.	Office of Additional Deputy Commissioner (UD), Malerkotla	Sh. Sukhpreet Singh Sidhu	Additional Deputy Commissioner (UD)	95696-35386	adcurbanmlk28@gmail.com
4.	Punjab Pollution Control Board, Regional Office, Sangrur	Er. Rajeev Gupta	Environmental Engineer	95010-23220	eerosangrur@gmail.com
5.	Regional Transport Authority, Sangrur & Malerkotla	Sh. Karanvir Singh Chinna PCS	RTA	98724-26400	dtosangrur13@gmail.com
6.	Police Department	Sh. Swapan Sharma	SSP	80545-45001	sangrurpolice001@gmail.com
7.	District Development and Panchayat Office, Sangrur	Sh. Vineet Sharma	DDPO	98883-81300	ddposgr@gmail.com
8.	District Development and Panchayat Office, Malerkotla	Sh. Rimpay Garg	DDPO	94630-15135	ddpomalerkotla12@gmail.com
9.	Department of Soil & Water Conservation, Sangrur & Malerkotla	Sh. Gupreet Dhillon	DSCO	99882-50933	dscosangrur@gmail.com
10.	Department of Water Resources & Drainage, Sangrur	Sh. Gagandeep Singh Gill	Xen	98886-80008	xendrainage_sng@yahoo.in
11.	Department of Water Resources & Drainage, Malerkotla	Sh. Hem Singh	SDO	90313-00025	sdodrainagesangrur@gmail.com
12.	PWD (B&R), Sangrur	Sh. Naveen Mittal	Executive Engineer	98783-60786	
13.	PWD (B&R), Malerkotla	Sh. Charanjit Singh Bains	Executive Engineer	98787-21188	xenpwdmalerkotla@gmail.com

14.	Punjab Water Supply & Sewerage Board, Sangrur	Sh. Amandeep Singh	Xen	96461-66990	sgrpwssb@yahoo.com
15.	Punjab Water Supply & Sewerage Board, Malerkotla	Sh. Harpinder Singh	Xen	97791-66566	eewss.mlk@gmail.com
16.	Agriculture Department, Sangrur & Malerkotla	Sh. Jaswinder Singh	CAO	97792-13097	caosangrur@gmail.com
17.	Forest Department, Sangrur & Malerkotla	Sh. Khushwinder Singh	DFO	94642-67554	dfosng.pb@gmail.com
18.	District Food & Civil Supply Officer, DFSC, Sangrur	Sh. Narinder Singh	DFSC	99157-27177	dfscsangrur1@gmail.com
19.	District Food & Civil Supply Officer, DFSC, Malerkotla	Smt. Ravinder Kaur	DFSC	96460-66135	ifsmalerkotla@gmail.com
20.	Education Department, Sangrur	Sh. Malkeet Singh	DEO(Sr.)	95010-14398	deossangrur@punjabeducation.gov.in
21.	Education Department, Sangrur	Sh. Dharampal	DEO (Primary)	97792-20700	deoe.sangrur@punjabeducation.gov.in
22.	Health Department, Sangrur	Dr. Upasna	Medical Officer	97792-38211	cmo_sangrur@yahoo.co.in
23.	Health Department, Malerkotla	Dr. Bindu Malwa	CMO	98557-21034	sdhmalerkotla@gmail.com
24.	Labour Department Sangrur	Smt. Gurbinder Kaur	Inspector	98783-00091	Alcsangrur232@gmail.com
25.	Labour Department Malerkotla	Sh. Sarbjot Singh	ALC	79019-78601	Alcsangrur232@gmail.com
26.	Director of Factories Sangrur & Malerkotla	Sh. Sahil Goyal	Deputy Director, Director of Factories	98885-07737	Ddf.labsgr@punjab.gov.in
27.	Punjab Small scale industrial & Export Corporation (PSIEC)	Sh. Parminder Singh	SE	98146-87275	parminder.psiec@punjab.gov.in
28.	Central Ground Water Board	Sh. S.K. Mohiddin	Senior Hydrologist,	76830-35404	mohiddin.sk@nic.in