

**OFFICE OF THE DEPUTY COMMISSIONER, MOGA**

To

The Director,  
Directorate of Environment and Climate Change (DECC),  
MGSIPA Complex, Sector-26,  
Chandigarh-160019.

No: 5833 / PRCB Dated: 6/09/2023

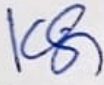
**Sub: Revised District Environment Plan Moga for year 2023-24.**

It is intimated that in compliance to the Hon'ble NGT order dated 26.09.2019 in OA No. 360/2018, District Environment Plan for control of pollution in district Moga was prepared by District Administration and same was sent to the Director, Directorate of Environment & Climate Change, Chandigarh.

Now, District Environment Plan Moga has been revised for year 2023-24, after incorporating the inputs/ current status of activities provided by the stakeholder departments and is hereby sent to you for kind information and further necessary action in the matter.


**DA/- As above.**

Endst. No. 5834 / PRCB

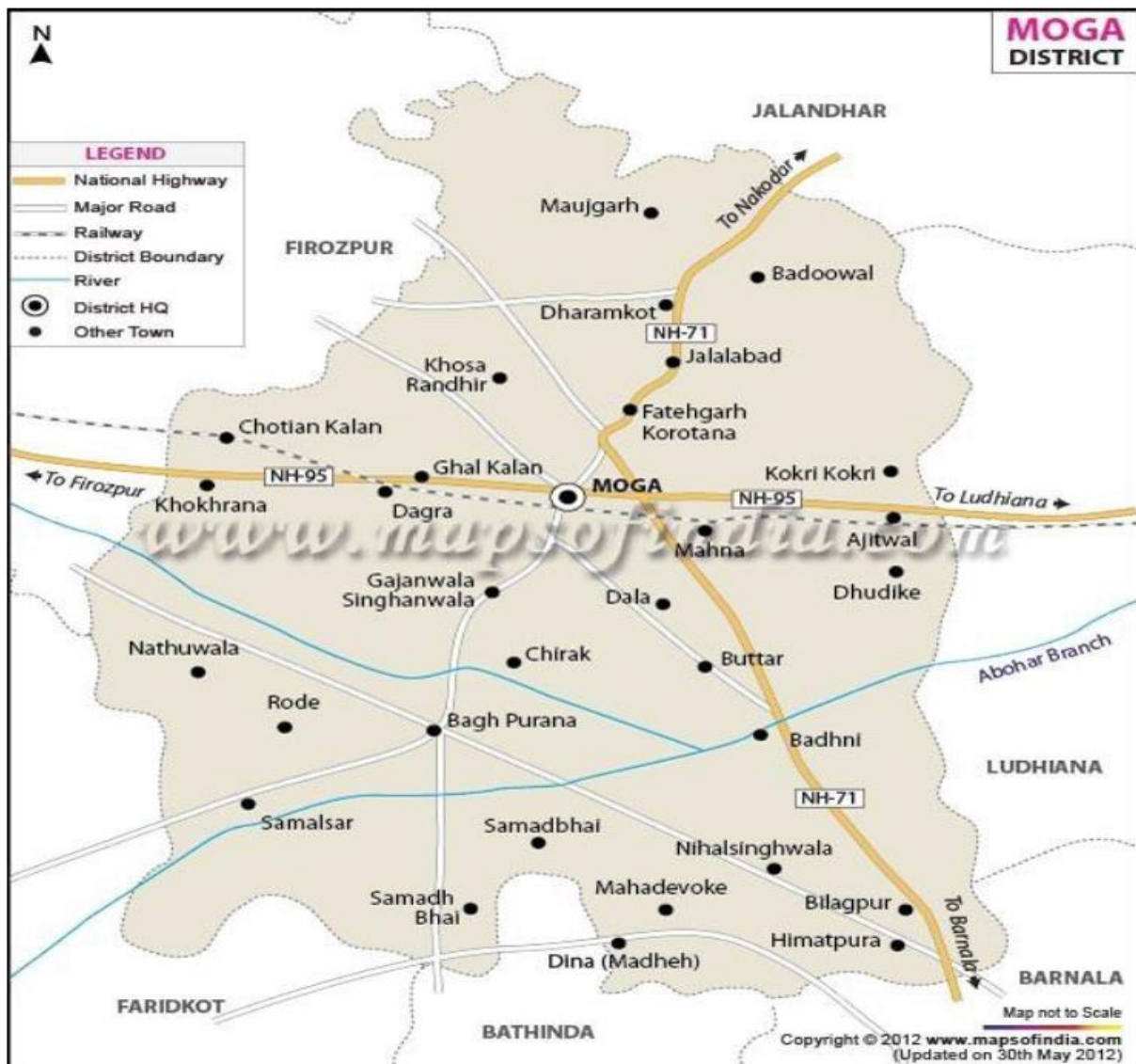
  
Deputy Commissioner-cum-Chairman,  
District Environment Committee, Moga

Date 06/09/2023

A copy of the above is forwarded to the Member Secretary, Punjab Pollution Control Board, Head Office, Patiala for information.

  
Deputy Commissioner-cum-Chairman,  
District Environment Committee, Moga

# District Environment Plan for Moga (Amended – August 2023) Punjab State



District Administration -Moga

**Contents**

1.0 District Profile ..... 4

    a. District Administrative Set-up ..... 4

    b. Local institutions ..... 4

    c. Natural Resources ..... 5

        ▪ Water bodies..... 5

        ▪ Availability of water resources..... 8

        ▪ Forest coverage..... 9

    d. Geography & Demography ..... 9

    e. Land-use patter ..... 9

    f. Climate ..... 10

2.0WasteManagement Plan ..... 12

(i) Solid Waste Management ..... 12

    a. Current status related to solid Waste management..... 12

    b. Identification of gaps and Action plan ..... 12

(ii) Plastic waste Management..... 37

    (a) Current status related to Plastic waste management..... 37

    (b) Identification of gaps and Action plan..... 37

(iii) C &D Waste Management ..... 45

    a. Current status related to C&D Waste..... 45

    b. Identification of gaps and Action plan ..... 45

(iv) Bio-medical Waste Management ..... 47

    a. Current Status related to bio-medical waste ..... 47

    b. Identification of gaps and Action plan ..... 47

(v) Hazardous Waste Management ..... 49

    a. Current Status related to Hazardous Waste Management ..... 49

    b. Identification of gaps and action plan ..... 49

(vi) E-Waste Management ..... 51

    a. Current Status related to E-Waste Management ..... 51

    b. Identification of gaps and action plan ..... 51

3.0 Air Quality Management..... 53

    a. Current Status related to Air Quality Management..... 53

    b. Identification of gaps and action plan ..... 54

4.0 Water Quality Management ..... 57

    4.1 Water Quality Monitoring..... 57

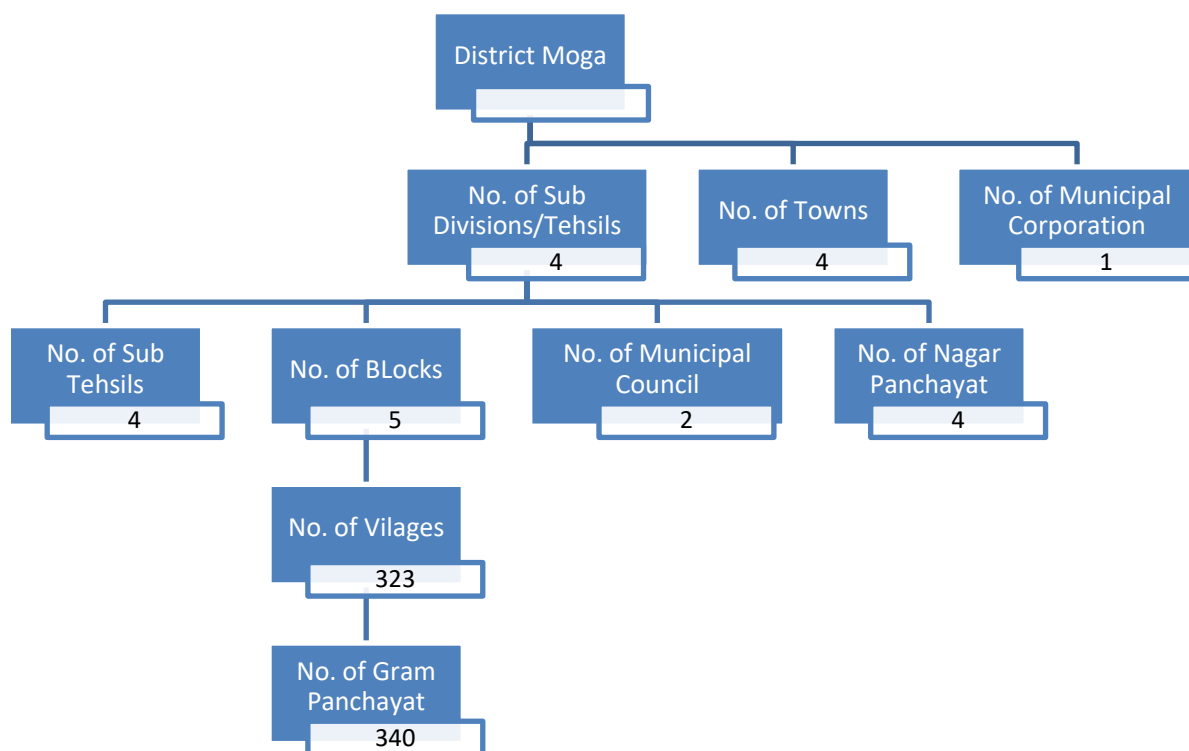
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a. Current Status related to Water Quality Management .....	57
b. Identification of gaps and action plan for water quality monitoring.....	57
4.2 Domestic Sewage .....	58
a. Identification of gaps and action plan for treatment of domestic sewage.....	58
b. Identification of gaps and action plan for treatment of domestic sewage .....	58
5.0 Industrial waste water management.....	70
a. Current Status related to industrial Wastewater Management.....	70
b. Identification of gaps and action plan for industrial wastewater:.....	71
6.0 Mining Activity Management plan.....	71
a. Current Status related to Mining Activity Management .....	71
b. Identification of gaps and action plan .....	72
7.0 Noise Pollution Management plan .....	77
a. Current Status related to Noise Pollution Management .....	77
b. Identification of gaps and action plan .....	77
List of Nodal Officers (Annexure-1) .....	78

## 1.0 District Profile

Moga District falls under the jurisdiction of the Ferozepur division of the State. It borders the Jalandhar district in the North, Ludhiana district in the East, Sangrur district in the South and Faridkot & Ferozepur districts in the West. It stretches between longitudes 75°15' E to 75°25' E and between latitudes 30°35'N to 31°15'N. It spreads over an area of 2230 sq. kms which is 4.42 % of the total area of the Punjab State. The Headquarter of the District Administration is located in Moga City.

### a. District Administrative Set-up



### b. Local institutions

In District Moga, there are total 04 Sub-Divisions/Tehsils, 04 towns. There are 04 Sub-Tehsil, 05 Blocks, 01 Municipal Corporation, 02 Municipal Councils and 04 Nagar Panchayats. There are total 324 Villages in the District & have 340 Gram Panchayats.

### c. Natural Resources

#### ▪ Water bodies

River Sutlej passes through the District and the district area forms a part of Indo-Gangetic plain as well as Sutlej sub basin of Indus basin. The area as a whole is almost flat with a gentle slope towards the western and northwesterly direction. The Sutlej River is an important perennial river and its course is parallel to the northern border of the district. The river enters district Moga in the north east of the district after leaving district Jalandhar near village Kanian Khurd in Dharamkot Tehsil and leaves the district Moga near village Khana into district Ferozpur. The total length of the river Sutlej passing through the district is about 27 Kms.

The drains passing through the district and meeting River Sutlej directly/indirectly are as per detail given under:

Sr. No.	Name of the drain	Total length of the drain (Kms)	Remarks (Whether meets river Sutlej directly or enters into another drain leading to river Sutlej)
1.	Moga Drain	48.63	Enters into Phidda drain at Sr. No. 3 below
2.	Bassian outfall drain	35.58	Enters into Chand Bhan drain at Sr. No. 4 below
3.	Phidda drain	30.94	Meets river Sutlej directly at 31 <sup>o</sup> 00'44.04"N 74 <sup>o</sup> 36'16.04"E
4.	Chand Bhan drain	30.18	Enters into Jalalabad Muazzam drain leading to river Sutlej Creek in district Fazilka
5.	Dagru drain	25.26	Enters into Phidda drain at Sr. No. 3 above
6.	Samadh Bhai drain	24.54	Enters into Chand Bhan drain at Sr. No. 4 above
7.	Badhni drain	22.86	Enters Into Chan Bhan Drain at Sr. No. 2 above
8.	Mari drain	17.31	Enters Into Samadh Bhai drain at Sr. No. 6 above
9.	Kishanpura drain	16.61	Enters into Kishanpura Outfall drain at Sr. No. 12
10.	Buttar drain	14.63	Enters into Phidda drain at Sr. No. 3 above
11.	Daudhar outfall drain	11.28	Enters into Phidda drain at Sr. No. 3 above
12.	Kishanpura outfall drain	11.28	Meets river Sutlej directly at 31 <sup>o</sup> 02'17.36"N 75 <sup>o</sup> 12'21.63"E
13.	Tihara link	11.00	Enters into Improving Outfall Of Tihara Link drain at Sr.

	drain		No. 16below
14.	Daudhar drain	10.36	Enters into Daudhar Outfall drain at Sr. No. 11 above
15.	Ajitwal link drain	9.75	Enters into Moga drain at Sr. No. 1 above
16.	Improving Outfall of Tihara link drain	6.58	Enters into Kishanpura Outfall drain at Sr. No. 12 above
17.	Attari drain	5.49	Enters into Sadda Singh Wala drain at Sr. No. 18 below
18.	Sadda Singh Wala drain	3.30	Enters into Dagrau drain at Sr. No. 5 above
19.	Kishanpura link drain-I	3.04	Enters into Kishanpura drain at Sr. No. 9 above
20	Baduwal link drain-I	3.04	Enters into Sukkar Nala drain at Sr. No. 25below
21	Kishanpura link drain-II	3.04	Enters into Kishanpura drain at Sr. No. 9 above
22	Malik drain	1.67	Enters into Moga drain at Sr. No. 1 above
23	Baduwal link drain-II	1.22	Enters into Baduwal Link Drain No. I drain at Sr. No. 20above
24	Kale-Ke drain	6.4	Enters into Langeana drain in district Faridkot leading to Jalalabad Muazzam drain, furhter leading to river Sutlej Creek in district Fazilka
25	Sukkar Nala drain	10	Meets river Sutlej directly at 31 ° 04'29.18"N 74 ° 42'28.36"E in Ferozepur District
26	Langeana drain-I	37.4	Enters into Langeana drain in district Faridkot leading to Jalalabad Muazzam drain, furhter leading to river Sutlej Creek in district Fazilka
27	Langeana drain-II	12.3	Enters into Langeana drain in district Faridkot leading to Jalalabad Muazzam drain, furhter leading to river Sutlej Creek in district Fazilka
28	Gholia drain	5.8	Enters into Langeana drain-II at Sr. No. 25 above
	Total	419.49	

#### **Moga Drain:**

Out of all the above 24 drains, the most significant drain is Moga drain, the details of the same is as under: -

Moga drain has a total length of 48.63 Kms, which flows across the district. This drain originates from Jagraon town in district Ludhiana and enters district Moga near village Nava Chuhar Chak at RD-159500. After receiving sewage of Moga city and 21 villages

of district Moga, the drain enters Phidda drain (leading to river Sutlej in district Ferozpur) near village Chota Ghar of district Moga at RD-0. The drain was surveyed by officers of Punjab Pollution Control Board and department of Rural Development & Panchayats, Moga and identified following villages discharging their domestic sewage into this drain without any treatment.

Sr.No	Name of Village	Population	Remarks
1.	Chuhar Chak	1760	Installation of treatment facility (stabilization pond) is under active consideration.
2.	Ajitwal	6417	Installation of treatment facility (stabilization pond) is under active consideration.
3.	Kokri Kalan	8294	Installation of treatment facility (stabilization pond) is under active consideration.
4.	Kokri Phulla Singh	2320	Installation of treatment facility (stabilization pond) is under active consideration.
5.	Matwani	1352	Installation of treatment facility (stabilization pond) is under active consideration.
6.	Nathuwala Jadid	2039	Installation of treatment facility (stabilization pond) is under active consideration.
7.	Mehna	4490	Installation of treatment facility (stabilization pond) is under active consideration.
8.	Bughipura	4463	STP based on Thapar Technology is under installation and near completion.
9.	Dala	6933	Installation of treatment facility (stabilization pond) is under active consideration.
10.	Bahona	2945	STP based on Thapar Technology is under installation and near completion.
11.	Mahime Wala	--	Installation of treatment facility (stabilization pond) is under active consideration.
12.	Sandhua Wala	--	Installation of treatment facility (stabilization pond) is under active consideration.
13.	Tare Wala	1857	Installation of treatment facility (stabilization pond) is under active consideration.
14.	Singha Wala	5991	Installation of treatment facility (stabilization pond) is under active consideration.
15.	Bukanwala	2150	Installation of treatment facility (stabilization pond) is under active consideration.
16.	Mothawali	993	Installation of treatment facility (stabilization pond) is under active consideration.
17.	Chand Nawa	4111	Installation of treatment facility (stabilization pond) is under active consideration.
18.	Chand Purana	2566	Installation of treatment facility (stabilization pond) is



			under active consideration.
19.	Chottian Toba	883	Installation of treatment facility (stabilization pond) is under active consideration.
20.	Jai Singh Wala	1450	Installation of treatment facility (stabilization pond) is under active consideration.
21.	Jaimal Wala	3402	Installation of treatment facility (stabilization pond) is under active consideration.

- **Availability of water resources**

Central Ground Water Authority has been constituted under Section 3 (3) of the Environmental (Protection) Act, 1986 to regulate and control development and management of ground water resources in the country.

The Government of Punjab has constituted Punjab Water Regulation & Development Authority (PWRDA) under the Punjab Water Resources (Regulation and Management) Act, 2020 and is mandated to regulate the water resources of the State for ensuring their judicious, equitable and sustainable utilization and management. The PWRDA is providing ad-interim permission for groundwater extraction to industrial and commercial units in the State.

The Punjab Pollution Control Board has decided that the Board shall continue to grant consent to establish (NOC) / consent to operate to the industries with the advisory to obtain necessary clearance for abstraction of ground water from the Punjab Water Regulation & Development Authority (PWRDA). However, aforesaid clearance shall not be insisted upon by the Punjab Pollution Control Board at the time of grant of consent to establish (NOC) / consent to operate to the industries.

### Category and Corresponding Status of Assessment Areas

#### BLOCK WISE GROUND WATER RESOURCES CATEGORY AND STATUS

Sr. No.	Block	Stage of Ground Water Extraction (%)	Category (2017 Assessment Report)	Status
1	Baghapurana	178	Over-Exploited	Yellow
2	Dharamkot (Kot Ise Khan)	211	Over-Exploited	Orange
3	Moga I	283	Over-Exploited	Orange
4	Moga II	286	Over-Exploited	Orange
5	Nihal Singh Wala	277	Over-Exploited	Orange

- **Forest coverage**

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

Geographic Area (GA) in Sq. Km	2019 Assessment				% of Geographical Area
	Very Dense Forest	Mod. Dense Forest	Open Forest	Total	
41.51 km <sup>2</sup>	0	0.84 km <sup>2</sup>	40.67 km <sup>2</sup>	41.51 km <sup>2</sup>	5.38 %

#### d. Geography & Demography

The geography & demography of District Moga & State of Punjab is as under:

Sr.No.	Title	District Moga	Punjab State
1.	Area (Sq Km)	2235	50,362
2.	Population (in Lakh)	9.95	277.04
3.	Rural Population (in Lakh)	7.68	173.2
4.	Urban Population (In Lakh)	2.27	103.84
5.	% Increase in Population (2001-2011) Decennial Growth rate	11.28	13.55
6.	Density of Population (per Sq km)	444	550
7.	Literacy %	73.59	76.7
8.	Sex Ratio ( Females per thousand)	892	893

#### e. Land-use pattern

Sr . No.	Title	Data of District Moga (2020-21)
1.	Total Geographical Area (in Sq km)	2235
2.	Area under Forest (in Ha)	2000
3.	Net Area Sown (In Ha)	194000
4.	Gross Cropped Area (in Ha)	386000
5.	Total Area irrigated (in Ha)	193818
6.	% of Net Area irrigated to Total area sown	100%

#### f. Climate

The climate of the district can be classified as tropical and dry sub humid. The normal annual rainfall is about 498 mm which is spread over 24 rainy days. 78% of rainfall occurs during south-west monsoon. The rest of the rainfall (22%) occurs during non monsoon

period. The climate of the district is characterized by the dryness of the air an intensely hot summer and cold winter. The year may be divided into four seasons. The cold season starts by late November and extends to the middle of March. It is followed by hot season which continues to the end of June when the south-west monsoon arrives over the district. The post monsoon season period is from October to December.

The Punjab Govt. has recently made it mandatory for the owners of plots of 200 Sq. yards or more to provide rainwater harvesting structures at the time of construction of the houses. The building plans are approved by the Local Authority only with the proposal for rainwater harvesting. The implementation shall be monitored vigorously. As a result, in the coming times, rain water harvesting shall contribute to improve the groundwater quality in Moga.

The Hon'ble NGT in its order dated 01.06.2020 in OA No. 235 of 2016 in the matter of Lt. Col. Sarvadaman Singh Oberoi Vs Union of India &Ords, has directed that harvesting surplus water during excessive rains from any areas of catchment needs to be optimized by enhancing the capacity of the existing ponds / water bodies, creation of water harvesting structures in the sub-watersheds to the extent possible, apart from setting up of additional water bodies / water harvesting structures, where ever viable, utilizing available funds including MGNREGA and involving the community at large at every level.

# **ACTION PLAN**

## 2.0 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/Day)
1.	Municipal Corporation, Moga	50	40154	159000	41.58
2.	Municipal Council, Baghapurana	15	4830	25206	3.5
3.	Municipal Council, Dharamkot	13	3762	19057	5
4.	Nagar Panchayat, Kot Ise Khan	13	2900	12800	2.72
5.	Nagar Panchayat, Nihal Singh Wala	13	2418	10852	2.41
6.	Nagar Panchayat, Badhni Kalan	13	2616	11842	2.5
7.	Nagar Panchayat, Fatehgarh Panjtoor	11	1012	5162	1.0
	<b>Total</b>	<b>128</b>	<b>57692</b>	<b>243919</b>	<b>58.71</b>

Sr.No.	No of Village Panchayats / Blocks	No of Households	Population	Solid Waste Generated per day (MT)
1.	340 /5	1,49,510	7.47 lakhs	373.5

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

S.N o.	Action points For villages / blocks/town municipalities /City corporations	Identification ofgap	ActionPlan	Responsible agencies	Timeline for completion of action plan
<b>1.</b>	<b>Segregation</b>				
<b>I.</b>	Municipal Corporation, Moga	Achievement-95% Gap – 5%	To maintain 100% segregation all the times.	Commissioner, Moga	30-09-2023
<b>II.</b>	Municipal Council, Baghapurana	Achievement-95% Gap – 5%	To maintain 100% segregation all the times.	EO, Baghapurana	30-09-2023
<b>III.</b>	Municipal Council, Dharamkot	Achievement-100% Gap – Nil	To maintain 100% segregation all the times.	EO, Dharamkot	Activity completed

IV.	Nagar Panchayat, Kot Ise Khan	Achievement-100% Gap – Nil	To maintain 100% segregation all the times.	EO, Kot Ise Khan	Activity completed
V.	Nagar Panchayat, Nihal Singh Wala	Achievement-100% Gap – Nil	To maintain 100% segregation all the times.	EO, Nihal Singh Wala	Activity completed
VI.	Nagar Panchayat, Badhni Kalan	Achievement-95% Gap – 5%	To maintain 100% segregation all the times.	EO, Badhni Kalan	30-09-2023
VII.	Nagar Panchayat, Fatehgarh Panjtoor	Achievement-100% Gap – Nil	To maintain 100% segregation all the times.	EO, Fatehgarh Panjtoor	Activity completed
VIII.	Villages of District Moga (324)	Achievement-Not Adequate (for 324 villages) : 340 Gram Panchayats	Action plan has been prepared by the Dept. of Rural Development & Panchayats	ADC (D) / DDPO / XEN Panchayati Raj	Completion: • 80 villages upto 30.12.2023 • 130 villages upto 30.06.2024 • 210 Villages upto 30.06.2025 • 324 villages upto 30.06.2026
<b>2</b>	<b>Sweeping</b>				
	<b>(i) Manual Sweeping</b>				
I.	Municipal Corporation, Moga	Achievement-100% Gap – Nil	To maintain 100% sweeping all the times, twice in a day time and once in night time	Commissioner, Moga	Regular activity,
II.	Municipal Council, Baghapurana	Achievement-100% Gap – Nil	To maintain 100% sweeping all the times, twice in a day time and once in night time	EO, Baghapurana	Regular activity
III.	Municipal Council, Dharamkot	Achievement-100% Gap – Nil	To maintain 100% sweeping all the times, twice in a day time and once in night time	EO, Dharamkot	Regular activity
IV.	Nagar Panchayat, Kot Ise Khan	Achievement-100% Gap – Nil	To maintain 100% sweeping all the times, twice in a day time and once in night time	EO, Kot Ise Khan	Regular activity
V.	Nagar Panchayat, Nihal Singh Wala	Achievement-100% Gap – Nil	To maintain 100% sweeping all the times, twice in a day time and once in night time	EO, Nihal Singh Wala	Regular activity
VI.	Nagar Panchayat, Badhni Kalan	Achievement-100% Gap – Nil	To maintain 100% sweeping all the times, twice in a day	EO, Badhni Kalan	Regular activity

			time and once in night time		
VII.	Nagar Panchayat, Fatehgarh Panjtoor	Achievement-100% Gap – Nil	To maintain 100% sweeping all the times, twice in a day time and once in night time	EO, Fatehgarh Panjtoor	Regular activity
(ii)	Mechanical Road Sweeping & Collection	MC Moga had started mechanical sweeping on main roads of the town.	To maintain 100 % sweeping all the times, treated wastewater of STPs may be utilized for sprinkling purposes for supersession of dust generation.	Commissioner, Moga	Regular activity
(iii)	Villages Panchayat (340)	10% sweeping being done. 90% road is not Covered. Action plan has been prepared by the Department of Rural Development & Panchayat	More manpower is being deployed.	ADC (D) / DDPO / XEN Panchayati Raj	Completion: • 80 villages upto 30.12.2023 • 130 villages upto 30.06.2024 • 210 Villages upto 30.06.2025 • 324 villages upto 30.06.2026
<b>3</b>	<b>Waste Collection</b>				
(i)	100% collection of solid waste	Moga Achievement-100 % Gap – Nil  Baghapurana Achievement-95% Gap – 5%  Dharamkot Achievement-100% Gap – Nil  Kot Ise Khan Achievement-100% Gap – Nil  Nihal Singh Wala Achievement-100% Gap – Nil  Badhni Kalan Achievement-95% Gap –5%	• To maintain 100% D to D by ULBs	• ULBs	100% D to D shall be achieved by all MCs/NPs by 30.09.2023.

		<p>Fatehgarh Panjtoor Achievement-100% Gap – Nil</p> <ul style="list-style-type: none"> <li>Village Panchayats (340) = Not adequate</li> </ul>	<ul style="list-style-type: none"> <li>Action plan has been prepared.</li> </ul>	<ul style="list-style-type: none"> <li>ADC (D) / DDPO / XEN Panchayati Raj</li> </ul>	<p>Completion of work by:</p> <ul style="list-style-type: none"> <li>80 villages upto 30.12.2023</li> <li>130 villages upto 30.06.2024</li> <li>210 Villages upto 30.06.2025</li> <li>324 villages upto 30.06.2026</li> </ul>
(ii)	Arrangement for door to door collection	<ul style="list-style-type: none"> <li>By providing waste collection trolleys &amp; tricycle with compartments in each ward of MC/NP</li> </ul> <p><b>MC Moga</b> Required-200 Provided-200 Gap-0</p> <p><b>MC Baghapurana-</b> Required-20 Provided-20 Gap-00</p> <p><b>MC Dharamkot</b> Required-30 Provided-30 Gap-00</p> <p><b>NP Kot Ise Khan</b> Required-23 Provided-23 Gap-00</p> <p><b>NP Nihal Singh Wala</b> Required-20 Provided-20 Gap-00</p> <p><b>NP Fatehgarh Panjtoor</b> Required-11 Provided-11 Gap-00</p> <p><b>NP Badhni Kalan</b> Required-13 Provided-10</p>	<ul style="list-style-type: none"> <li>As per requirement, manpower and mechanical arrangements will be increased to ensure 100% D to D collection.</li> </ul>	<ul style="list-style-type: none"> <li>ULBs</li> </ul>	31.12.2023



		<p>Gap-03</p> <ul style="list-style-type: none"> <li>In villages Required -646</li> <li>Available - Nil</li> </ul>	<ul style="list-style-type: none"> <li>Action plan has been prepared for arrangements of D to D collection.</li> </ul>	<ul style="list-style-type: none"> <li>ADC (D) / DDPO / XEN Panchayati Raj</li> </ul>	<p>Completion:</p> <ul style="list-style-type: none"> <li>80 villages upto 30.12.2023</li> <li>130 villages upto 30.06.2024</li> <li>210 Villages upto 30.06.2025</li> <li>324 villages upto 30.06.2026</li> </ul>
(iii)	Waste Collection trolleys with separate Compartments	<ul style="list-style-type: none"> <li>Waste is being collected through tricycles provided with compartments</li> </ul> <p><b>MC Moga</b> Required-11 Provided-11 Gap-00</p> <p><b>MC Baghapurana-</b> Required-02 Provided-02 Gap-00</p> <p><b>MC Dharamkot</b> Required-01 Provided-01 Gap-00</p> <p>NP Kot Ise Khan Required-02 Provided-02 Gap-00</p> <p>NP Nihal Singh Wala Required-02 Provided-02 Gap-00</p> <p>NP Fatehgarh Panjtoor Required-01 Provided-01 Gap-00</p> <p>NP Badhni Kalan Required-02 Provided-02 Gap-00</p> <ul style="list-style-type: none"> <li>In villages Required -646</li> <li>Available - Nil</li> </ul>	<ul style="list-style-type: none"> <li>As per requirement, waste collection trolleys will be increased to ensure 100% D to D collection and segregation.</li> </ul> <ul style="list-style-type: none"> <li>In villages – Action plan has been prepared</li> </ul>	<ul style="list-style-type: none"> <li>ULBs</li> </ul>	<p>Activity completed</p> <p>Completion:</p> <ul style="list-style-type: none"> <li>80 villages upto 30.12.2023</li> <li>130 villages upto 30.06.2024</li> </ul>

				Raj	<ul style="list-style-type: none"> <li>• 210 Villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul>
(iv)	Mini Collection Trucks with separate compartments	<ul style="list-style-type: none"> <li>• Mini collection trucks provided with separate compartments</li> </ul> <p>One additional compartment may be added in the existing compartmentalized rickshaw rehries/tri-cycles/solid waste collection vehicles for door to door collection of domestic hazardous waste by all the MCs and the waste so collected may be stored temporarily in the separate cabin to be provided at the material recovery site</p> <p><b>MC Moga (by Tata Ace)</b> Required-10 Provided-10 Gap-00</p> <p><b>MC Baghapurana (by Tata Ace)</b> Required-06 Provided-06 Gap-00</p> <p><b>MC Dharamkot</b> Required-01 Provided-01 Gap-00</p> <p><b>NP Kot Ise Khan</b> Required-05 Provided-00 Gap-05</p> <p><b>NP Nihal Singh Wala</b></p>	<ul style="list-style-type: none"> <li>• As per requirement, waste collection trucks will be increased to ensure 100% D to D collection.</li> </ul>	<ul style="list-style-type: none"> <li>• ULBs</li> </ul>	ULBs : 30.09.2023

		<p>Required-02 Provided-00 Gap-02</p> <p><b>NP Fatehgarh Panjtoor</b> Required-00 Provided-00 Gap-00</p> <p><b>NP Badhni Kalan</b> Required-00 Provided-00 Gap-00</p> <ul style="list-style-type: none"> <li>• In villages – not adequate</li> </ul>				<ul style="list-style-type: none"> <li>• In villages – Action plan has been prepared.</li> </ul>	<ul style="list-style-type: none"> <li>• ADC (D) / DDPO / XEN Panchayati Raj</li> </ul>	<p>Completion:</p> <ul style="list-style-type: none"> <li>• 80 villages upto 30.12.2023</li> <li>• 130 villages upto 30.06.2024</li> <li>• 210 Villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul>
<b>(v)</b>	<b>Waste Deposition centers (WDC) (for domestic hazardous wastes)</b>							
<b>I.</b>	Municipal Corporation, Moga	<p>Required – 2 Installed – 2 Gap – 0</p>	<p>Facility for collection of domestic hazardous waste has been provided with the vehicles meant for D to D collection of solid waste.</p>	Commissioner, Moga				-
<b>II.</b>	Municipal Council, Baghapurana	<p>Required – 1 Installed – 1 Gap – 0</p>	<p>Facility for collection of domestic hazardous waste has been provided with the vehicles meant for D-to-Dcollection of solid waste.</p>	EO, Baghapurana				-

<b>III.</b>	Municipal Council, Dharamkot	Required – 1 Installed – 1 Gap – 0	Facility for collection of domestic hazardous waste has been provided with the vehicles meant for D to D collection of solid waste.	EO, Dharamkot	-
<b>IV.</b>	Nagar Panchayat, Kot Ise Khan	Required – 1 Installed – 1 Gap -0	Facility for collection of domestic hazardous waste has been provided with the vehicles meant for D to D collection of solid waste.	EO, Kot Ise Khan	-
<b>V.</b>	Nagar Panchayat, Nihal Singh Wala	Required – 1 Installed – 1 Gap -0	Facility for collection of domestic hazardous waste has been provided with the vehicles meant for D to D collection of solid waste.	EO, Nihal Singh Wala	-
<b>VI.</b>	Nagar Panchayat, Badhni Kalan	Required – 1 Installed – 1 Gap - 0	Facility for collection of domestic hazardous waste has been provided with the vehicles meant for D to D collection of solid waste.	EO, Badhni Kalan	-
<b>VII.</b>	Nagar Panchayat, Fatehgarh Panjtoor	Required – 1 Installed – 1 Gap –0	Facility for collection of domestic hazardous waste has been provided with the vehicles meant for D to D collection of solid waste.	EO, Fatehgarh Panjtoor	-
<b>VIII.</b>	Villages Panchayat (340)	Required= 324 Installed=0	Action plan is has been	ADC (D) / DDPO / XEN	Completion by: • 80 villages upto

			prepared for management of solid waste in the villages.	Panchayati Raj	30.12.2023 <ul style="list-style-type: none"> <li>130 villages upto 30.06.2024</li> <li>210 Villages upto 30.06.2025</li> <li>324 villages upto 30.06.2026</li> </ul>
<b>4 Waste Transport</b>					
(i)	Review existing infrastructure for Waste Transport.	<ul style="list-style-type: none"> <li>Waste transport vehicles  <b>MC Moga</b>  Required-21  Provided-21  Gap-00   <b>MC Baghapurana</b>  Required-08 (6 tata ace &amp; 2 trolly)  Provided-08  Gap-00   <b>MC Dharamkot</b>  Required-1  Provided-1  Gap-0   NP Kot Ise Khan  Required-02  Provided-02  Gap-00   NP Nihal Singh Wala  Required-02  Provided-02  Gap-00   NP Fatehgarh Panjtoor  Required-01  Provided-01  Gap-00   NP Badhni Kalan  Required-02  Provided-02  Gap-00</li> <li>For Villages  Required:324  Provided:20  Gap304</li> </ul>	Adequate	MCS/NPs	<ul style="list-style-type: none"> <li>ULBs - Activity completed</li> </ul>
			Action plan has been prepared by the department.	ADC (D) / DDPO / XEN Panchayati Raj	Completion of activity by: <ul style="list-style-type: none"> <li>80 villages upto 30.12.2023</li> </ul>

					<ul style="list-style-type: none"> <li>• 130 villages upto 30.06.2024</li> <li>• 210 Villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul>
(ii)	Bulk Waste Trucks	<p><b>MC Moga</b> Required-0 Provided-0 Gap-0</p> <p><b>MC Baghapurana-</b> Required-0 Provided-0 Gap-0</p> <p><b>MC Dharamkot</b> Required-0 Provided-0 Gap-0</p> <p>NP Kot Ise Khan Required-0 Provided-0 Gap-0</p> <p>NP Nihal Singh Wala Required-0 Provided-0 Gap-0</p> <p>NP Fatehgarh Panjtoor Required-0 Provided-0 Gap-0</p> <p>NP Badhni Kalan Required-0 Provided-0 Gap-0</p> <ul style="list-style-type: none"> <li>• For Villages Required:0 Provided:0 Gap:0</li> </ul>	Adequate	MCs/NPs	<ul style="list-style-type: none"> <li>• ULBs - No requirement</li> </ul>
		<ul style="list-style-type: none"> <li>• For Villages Required:0 Provided:0 Gap:0</li> </ul>	Action plan has been prepared.	ADC (D) / DDPO / XEN Panchayati Raj	--
(iii)	Waste Transfer points	<ul style="list-style-type: none"> <li>• Waste transfer points with boundary wall</li> </ul> <p>There is need to provide boundary wall alongwith plantation around waste transfer point for its aesthetic view for the passerby.</p>	Waste transfer will be made in environmentally sound manner i.e. brick wall around these waste transfer points or will be kept in closed chamber from the four sides.	MCs/NPs	Activity Completed

	<p>Alternatively, two compartmentalized trolleys on rotation basis may be stationed at the waste transfer point to avoid any nuisance and maintain aesthetic environment in the area.</p> <p><b>MC Moga</b>  Required-4  Provided-4  Status of boundary wall.  -constructed  Gap-0</p> <p><b>MC Baghapurana-</b>  Required-00  Provided-00  Gap-0</p> <p><b>MC Dharamkot</b>  Required-00  Provided-00  Gap-0</p> <p>NP Kot Ise Khan  Required-00  Provided-00  Gap-0</p> <p>NP Nihal Singh Wala  Required-1  Provided-1  Status of boundary wall constructed  Gap-0</p> <p>NP Fatehgarh Panjtoor  Required-0  Provided-0  Gap. 0.</p> <p>NP Badhni Kalan  Required-0  Provided-0  Gap. 0.</p>			
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5 Waste Treatment and Disposal					
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules)	Status of composting by Bulk waste generators MC Moga Required-10 Provided-10 Gap-0 MC Baghapurana- Required-2 Provided-2 Gap-0 MC Dharamkot Required-03 Provided-00 Gap-03 NP Kot Ise Khan Required-03 Provided-00 Gap-03 NP Nihal Singh Wala Required-01 Provided-01 Gap-0 NP Fatehgarh Panjtoor Required-02 Provided-02 Gap-0  NP Badhni Kalan Required-02 Provided-02 Gap-00	Identified bulk generators will be visited and onsite Composting will be get done from them. Also, new bulk generators will be identified. Either adequate number of compost pits by the bulk waste generators may be got provided by the concerned MC or shall make agreement with BWGs for lifting and treatment of wet waste with suitable user charges by 30.09.2022 and necessary agreement for lifting and management of dry waste generated by the bulk waste generators may also be made by each MC.	MC/NP	31.12.2023
(ii)	<b>Wet-waste Management: Facilities for central Bio-methanation/ Composting of wet waste.</b>				
I.	Municipal Corporation, Moga	Required 200 Provided – 200 Gap -0	Already provided required no. of compost pits, however, its effective use will be ensured.	Commissioner, Moga	-
II.	Municipal Council, Baghapurana	Required - 52 Provided – 52 Gap -0	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, Baghapurana	



III.	Municipal Council, Dharamkot	Required - 29 Provided – 29 Gap – 0	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, Dharamkot	
IV.	Nagar Panchayat, Kot Ise Khan	Required - 19 Provided – 19 Gap - 0	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, Kot Ise Khan	
V.	Nagar Panchayat, Nihal Singh Wala	Required - 29 Provided – 29 Gap - 0	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, Nihal Singh Wala	
VI.	Nagar Panchayat, Badhni Kalan	Required - 12 Provided – 12 Gap - 0	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, Badhni Kalan	-
VII.	Nagar Panchayat, Fatehgarh Panjtoor	Required - 8 Provided – 8 Gap - 0	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, Fatehgarh Panjtoor	
VIII.	• Villages Panchayat (Villages 324 )	Not Adequate	Action plan has been prepared.	ADC (D) / DDPO / XEN Panchayati Raj	Completion of activity by: <ul style="list-style-type: none"> <li>• 80 villages upto 30.12.2023</li> <li>• 130 villages upto 30.06.2024</li> <li>• 210 Villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul>
(iii)	Dry-Waste Management : Material Recovery for dry-waste fraction	MC Moga- 2 MC Baghapurana-1 MC Dharamkot - 1 NP Kot Ise Khan -1 NPNihal Singh Wala-1 NP Badhni Kalan – 1 NP FatehgarhPanjtoor -	All MCs/NPs have provided required no. of Material Recovery Facilities	MCs / NPs	-

		<p>1</p> <p>Status of agreement signed by Bulk waste generators with MC/NP</p> <p><b>MC Moga</b> Identified:54 Agreement made:30 Gap-24</p> <p><b>MC Baghapurana-</b> Identified:2 Agreement made:2 Gap-0</p> <p><b>MC Dharamkot</b> Identified:03 Agreement made:03 Gap-00</p> <p>NP Kot Ise Khan Identified:03 Agreement made:03 Gap-00</p> <p>NP Nihal Singh Wala Identified:01 Agreement made:01 Gap-00</p> <p>NP Fatehgarh Panjtoor Identified:02 Agreement made:02 Gap-00</p> <p>NP Badhni Kalan Identified:01 Agreement made:01 Gap-00</p> <ul style="list-style-type: none"> <li>• Villages Panchayat -Not provided</li> </ul>	Action Plan has been prepared	ADC (D) / DDPO / XEN Panchayati Raj	<p>Completion of activity by:</p> <ul style="list-style-type: none"> <li>• 80 villages upto 30.12.2023</li> </ul>
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					<ul style="list-style-type: none"> <li>• 130 villages upto 30.06.2024</li> <li>• 210 Villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul>
(iv)	Disposal of inert and non-recyclable wastes AND construction Sanitary Landfill	All MCs / NPs have already identified land for sanitary landfill site and work is yet to be started.  Villages / villages Panchayat -Not provided	Remaining MCs/NPs are in the process of establishing sanitary landfill sites for which DPRs / tendering process is being carried out  Action Plan has been prepared.	MCs / NPs  DDPO / Panchayati Raj	30.06.2024  Completion of activity by:  <ul style="list-style-type: none"> <li>• 80 villages upto 30.12.2023</li> <li>• 130 villages upto 30.06.2024</li> <li>• 210 Villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul>
<b>(v)</b>	<b>Remediation of historic / legacy dumpsite</b>				
<b>I.</b>	Municipal Corporation, Moga	<ul style="list-style-type: none"> <li>• Total legacy waste = 170000 MT</li> <li>• Waste remediated – 11625 MT</li> <li>• Balance – 158375 MT</li> </ul>	The machinery like mechanical trammel, JCB has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	Commissioner, Moga	100% legacy waste may be remediated by all the MCs by 31.12.2023 and the by-products namely Bio-soil, RDF, C & D waste and inert waste produced during remediation of legacy waste may be disposed of in an environmental sound manner and proper record in this regard.
<b>II.</b>	Municipal Council, Baghapurana	<ul style="list-style-type: none"> <li>• Total legacy waste – 215 MT</li> <li>• Waste remediated – 200 MT</li> <li>• Balance – 15 MT</li> </ul>	The machinery like mechanical trammel, JCB has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO, Baghapurana	
<b>III.</b>	Municipal Council, Dharamkot	<ul style="list-style-type: none"> <li>• Total legacy waste – 120 MT</li> <li>• Waste remediated – 95 MT</li> <li>• Balance – 25</li> </ul>	The machinery like mechanical trammel, JCB has been purchased and same has been installed at legacy waste	EO, Dharamkot	

		MT	dumpsite to remediate the legacy waste.		
<b>IV.</b>	Nagar Panchayat, Kot Ise Khan	<ul style="list-style-type: none"> <li>• Total legacy waste – 50 MT</li> <li>• Waste remediated – 42</li> <li>• Balance – 8 MT</li> </ul>	The machinery like mechanical trammel, JCB has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO, Kot Ise Khan	
<b>V.</b>	Nagar Panchayat, Nihal Singh Wala	<ul style="list-style-type: none"> <li>• Total legacy waste = 110 MT</li> <li>• Waste remediated – 110 MT</li> <li>• Balance – 00 MT</li> </ul>	The machinery like mechanical trammel, JCB has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO, Nihal Singh Wala	
<b>VI.</b>	Nagar Panchayat, Badhni Kalan	<ul style="list-style-type: none"> <li>• Total legacy waste = 50 MT</li> <li>• Waste remediated – 50 MT</li> <li>• Balance – 00 MT</li> </ul>	The machinery like mechanical trammel, JCB has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO, Badhni Kalan	
<b>VII.</b>	Nagar Panchayat, Fatehgarh Panjtoor	<ul style="list-style-type: none"> <li>• Total legacy waste = 35 MT</li> <li>• Waste remediated – 35 MT</li> <li>• Balance – 00 MT</li> </ul>	The machinery like mechanical trammel, JCB has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO, Fatehgarh Panjtoor	
<b>VIII.</b>	Villages Panchayat	Not Started	Scheme for treatment of legacy waste in villages has been prepared.	ADC (D) / DDPO / XEN Panchayati Ra	<p>Completion of activity by:</p> <ul style="list-style-type: none"> <li>• 80 villages upto 30.12.2023</li> <li>• 130 villages upto 30.06.2024</li> <li>• 210 Villages upto 30.06.2025</li> </ul>

					• 324 villages upto 30.06.2026
(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	31.12.2023
(viii)	Authorization of Waste Pickers	<p><b>Waste Pickers deployed by MC alongwith authorization status</b></p> <p><b>Moga</b> Identified: 200 Authorized-200</p> <p><b>MC</b> Baghapurana- Identified-20 Authorized:20</p> <p><b>MC Dharamkot</b> Identified:13 Authorized: 13</p> <p>NP Kot Ise Khan Identified:13 Authorized-13</p> <p>NP Nihal Singh Wala Identified:13 Authorized:13</p> <p>NP Fatehgarh Panjtoor Identified:11 Authorized:11</p> <p>NP Badhni Kalan Identified:13 Authorized-13</p>	As per requirement, authorization of waste pickers will be carried out.	ULBs	Activity completed
(ix)	Preparation of own by-laws to comply with SWM Rules 2016	<ul style="list-style-type: none"> <li>All MCs/NPs have already prepared</li> <li>In village panchayats –</li> </ul>	<ul style="list-style-type: none"> <li>All MCs/NPs have prepared</li> <li>For village panchayats – Action plan is has been prepared.</li> </ul>	<ul style="list-style-type: none"> <li>ULBs</li> <li>ADC (D) / DDPO / XEN Panchayati Raj</li> </ul>	<ul style="list-style-type: none"> <li>Activity completed</li> <li>Completion of activity by: <ul style="list-style-type: none"> <li>80 villages upto 30.12.2023</li> <li>130 villages upto 30.06.2024</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>• 210 Villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul>
(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><b>MC Moga</b> Green Belt – Provided Boundary Wall - Yes</p> <p><b>MC Baghapurana</b> Green Belt - Provided Boundary Wall - provided</p> <p><b>MC Dharamkot</b> Green Belt – Partially Provided Boundary Wall - Provided</p> <p><b>NP Kot Ise Khan</b> Green Belt – Not provided Boundary Wall – provided</p> <p><b>NP Nihal Singh Wala</b> Green Belt – provided Boundary Wall – Provided</p> <p><b>NP Badhni Kalan</b> Green Belt – Provided Boundary Wall – Provided</p> <p><b>NP Fatehgarh Panjtoor</b> Green Belt – NA Boundary Wall – NA</p>	The green belt around the boundary wall and construction of boundary wall of remaining MCs/NPs will be stated & completed by 30.09.2023	All MCs/NPs	30.9.2023
(xii)	Providing compartments and GPS	Status of providing compartments &	MC/NP are providing compartments &	ULBs	Activity completed

	tracking in garbage carrying vehicles	<p>GPS tracking in garbage carrying vehicle.</p> <p><b>MC Moga</b> Required-26 Provided-26 Gap-00</p> <p><b>MC</b> Baghapurana- Required-9 Provided-9 Gap-0</p> <p><b>MC Dharamkot</b> Required-1 Provided-1 Gap-0</p> <p>NP Kot Ise Khan Required-2 Provided-2 Gap-0</p> <p>NP Nihal Singh Wala Required-2 Provided-2 Gap-0</p> <p>NP Fatehgarh Panjtoor Required-1 Provided-1 Gap-0</p> <p>NP Badhni Kalan Required-2 Provided-2 Gap-0</p>	GPS tracking in garbage carrying vehicle		
(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 simultaneously with Bio-remediation of legacy waste.	MCs/NPs	<p>Completion date 31.12.2024</p> <p>MCs either in the cluster form or individually and the said matter may be resolved by 31.03.2024 and effluent treatment plant for treatment of leachate may be provided by 31.12.2024</p>
(xiv)	Best practices, including setting up of Control Rooms where citizens can upload photos of garbage	the web link : <a href="https://sbmurban.org/swachhtha-app">https://sbmurban.org/swachhtha-app</a>	Swachhata app is widely used by citizens for complaints related to SWM/ SBM, It is resolved and monitored at ULB	All Local bodies	Activity Completed

	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)		and state level both.		
(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)	MC Moga - Installed MC Baghapurana- Installed MC Dharamkot – Installed NP Kot Ise Khan – Installed NPNihal Singh Wala - Installed NP Badhni Kalan - Installed NP FatehgarhPanjtoor - Installed	Already provided at 2 no. dumping sites  Proposal not yet submitted by MCs/NPs	MC, Moga  MCs/NPs	Activity completed
(xvi)	Installation of Piezometer at Dump Site. (Directions of Hon'ble NGT in OA no. 606 of 2018 dated 22.07.2019, 28.02.2019, 14.12.2020)	MC Moga- Installed MC Baghapurana- Installed MC Dharamkot – Installed NP Kot Ise Khan – Installed NPNihal Singh Wala - installed NP Badhni Kalan - installed NP Fatehgarh Panjtoor –Installed	Piezometers at dump sites have already been installed. However, monitoring is being carried out on regular basis.	MCs/NPs	Activity completed



(xvii)	<p>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</p>	<p>Presently Carcass of dead animals are being given to private contractor by MCs/NPs.</p>	<p>Proposal for utilization of carcass in a scientific manner is under consideration.  Carcass disposal points will be developed by constructing boundary wall, planting of trees, hedges and other necessary measures to control the nuisance.</p>	MCs/NPs/DDPO	<ul style="list-style-type: none"> <li>• Short term measures like provision of boundary wall, green belt, plantation and hedges etc. at the carcasses disposal site has been provided.</li> <li>• For long term measures there is need to set up carcasses utilization plant by adopting rendering process or incinerator at district level to take care of all the animal carcasses of all the towns and villages of the district and a proposal in this regard may be prepared by 31.03.2024 and modern carcass utilization plant may be installed by 30.09.2024.</li> </ul>
(xviii)	<p>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</p>	No gap	<p>Carcass disposal points will be developed by constructing boundary wall, planting of trees, hedges and other necessary measures to control the nuisance and will be ensured under the supervision of veterinary doctors.</p>	MCs/NPs/DDPO	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 teams are checking the colonies on regular basis.	GLADA, Improvement Trust, Department of Local Govt.	<p>All the MCs and GLADA shall get install individual STPs along the sewerage system for treatment of wastewater discharged by the unauthorized colonies located within MC limits and outside MC limits by 31.12.2023</p> <p>Management of solid waste generated by these unauthorized colonies existing within MC limits, MCs shall make agreement with these unauthorized colonies for management of solid waste with suitable user charges to be paid by unauthorized colonies to the concerned MCs by 31.12.2023. For management of wet waste and dry waste generated by unauthorized colonies existing outside MC limits, Development authority (GLADA) shall pursue these unauthorized colonies/commercial complex to get make the necessary agreement with the concerned MCs for scientific disposal of solid waste with suitable user charges to be paid</p>
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					to concerned MCs
<b>(xx)</b>	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.	ADC (D) / DDPO / XEN Panchayati Raj	Completion of activity by: <ul style="list-style-type: none"> <li>• 80 villages upto 30.12.2023</li> <li>• 130 villages upto 30.06.2024</li> <li>• 210 Villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul>
<b>(xxi)</b>	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
<b>(xxii)</b>	Constitution of District Environment Committee in view of the constitution provisions under article 243 G, 241 W and 243 ZDread with scheduled 11, 12 & 15 of SWM Rules, 2016.	No gap	Constituted by the State Government.	State Government	Activity completed
<b>(xxiii)</b>	Management of carcass in rural area.	Inadequate management of carcass in rural area.	Proposal for utilization of carcass in a scientific manner is under consideration. Carcass disposal points will be developed by planting of trees,	ADC (D) / DDPO / XEN Panchayati Raj	Completion: <ul style="list-style-type: none"> <li>• 80 villages upto 30.12.2023</li> <li>• 130 villages upto 30.06.2024</li> <li>• 210 Villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul>

			hedges and other necessary measures to control the nuisance.		
(xxiv)	Dry-Waste Management: Material Recovery for dry-waste fraction (RDF)	<p><b>Status of MRF for management of dry waste</b></p> <p><b>MC Moga</b> Required-2 Provided-2 Gap-0</p> <p><b>MC Baghapurana</b> Required-1 Provided-1 Gap-0</p> <p><b>MC Dharamkot</b> Required-1 Provided-1 Gap-0</p> <p><b>NP Kot Ise Khan</b> Required-1 Provided-1 Gap-0</p> <p><b>NP Nihal Singh Wala</b> Required-2 Provided-2 Gap-0</p> <p><b>NP Fatehgarh Panjtoor</b> Required-1 Provided-1 Gap-0</p> <p><b>NP Badhni Kalan</b> Required-1 Provided-1 Gap-0</p>	MCs/NPs are providing adequate no. of MRFs for the management of dry waste.	MCs/NPs	-
(xxv)	Management of Horticulture Waste in MCs.	<p>Status of compost pits in parks</p> <p><b>MC Moga</b> No. of parks-40 Compost pit required-24 Provided-24 Gap-0</p> <p><b>MC Baghapurana</b> No. of parks-1 Compost pit required-1</p>	All MCs / NPs are providing adequate no. of compost pits for the management of horticulture waste.	MCs/NPs	Adequate number of compost pits in the parks for management of horticulture waste may be provided by MCs Baghapurana and Badhni Kalan by 30.092022

		<p>Provided-1 Gap-0 <b>MC Dharamkot</b> No. of parks-3 Compost pit required-3 Provided-3 Gap-0 NP Kot Ise Khan No. of parks-1 Compost pit required-2 Provided-2 Gap-0 NP Nihal Singh Wala No. of parks-1 Compost pit required-02 Provided-02 Gap-0 NP Fatehgarh Panjtoor no park in the village</p> <p>NP Badhni Kalan No. of parks-1 Compost pit required-01 Provided-00 Gap-01</p>			
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## (ii) Plastic Waste Management

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

Sr. No.	Urban Local bodies	Estimated quantity of Plastic Waste Generated MT/perday
1.	Municipal Corporation, Moga	0.15
2.	Municipal Council, Baghapurana	0.02
3.	Municipal Council, Dharamkot	0.02
4.	Nagar Panchayat, Kot Ise Khan	0.16
5.	Nagar Panchayat, Nihal Singh Wala	0.0096
6.	Nagar Panchayat, Badhni Kalan	0.012
7.	Nagar Panchayat, FatehgarhPanjtoor	0.001
	<b>Total</b>	<b>0.3726</b>

	LocalBodies	Estimated quantity of Plastic Waste Generated MT/perday
1	Villages Panchayats (340)	4.5

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

S.N o.	Action points For village panchayats/block s/municipalities /corporations	Identification of gap	Action plan	Agencies Responsible	Target time for Compliance
1.	Door to Door collection of dry waste including plastic waste.	MCs/NPs Achievement – As above Gap – As above  Villages Panchayat(340)– not initiated	Already achieved 100 % door to door collection  Action Plan is yet to be prepared	MCs/NPs  ADC (D) / DDPO / XEN Panchayati Raj	Activity completed  Completion of activity by: <ul style="list-style-type: none"><li>• 80 villages upto 30.12.2023</li><li>• 130 villages upto 30.06.2024</li><li>• 210 Villages upto 30.06.2025</li><li>• 324 villages upto</li></ul>

					30.06.2026
2.	Facilitate organized collection of PW at Waste transfer point or Material Recovery Facility	<p><b>Status of MRF and vehicle provided</b></p> <p><b>MC Moga</b>            No of MRF Required-2            Provided-2            Gap-0            No of Vehicle Required-3            Provided-3            Gap-0</p> <p><b>MC Baghapurana-</b>            No of MRF Required-1            Provided-1            Gap-0            No of Vehicle Required-1            Provided-1            Gap-0</p> <p>-</p> <p><b>MC Dharamkot</b>            No of MRF Required-1            Provided-1            Gap-0            No of Vehicle Required-0            Provided-0            Gap-0</p> <p>NP Kot Ise Khan            No of MRF Required-1            Provided-1            Gap-0            No of Vehicle Required-1            Provided-1            Gap-0</p> <p>NP Nihal Singh Wala            No of MRF Required-2            Provided-2            Gap-0            No of Vehicle Required-0            Provided-0            Gap-0</p> <p>NP Fatehgarh Panjtoor            No of MRF</p>	All MCs/NPs have installed required no. Material Recovery Facilities (MRF).	MCs/NPs	-

		<p>Required-1 Provided-1 Gap-0 No of Vehicle Required-1 Provided-1 Gap-0</p> <p>NP Badhni Kalan No of MRF Required-1 Provided-1 Gap-0 No of Vehicle Required-1 Provided-1 Gap-0</p> <p>Village Panchayats (340)- (324 villages)</p>	Action plan yet to be prepared	ADC (D) / DDPO / XEN Panchayati Raj	<p>Preparation of action plan 30.09.2022</p> <p>Execution starts from 30.09.2022</p> <p>Completion:</p> <ul style="list-style-type: none"> <li>• 80 villages upto 30.12.2023</li> <li>• 130 villages upto 30.06.2024</li> <li>• 210 Villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul>
3.	Plastic waste collection Centres	<p><b>MC Moga</b> Required-2 Provided-2 Gap-0 <b>MC Baghapurana-</b> Required-1 Provided-1 Gap-0 <b>MC Dharamkot</b> Required-1 Provided-1 Gap-0 <b>NP Kot Ise Khan</b> Required-1 Provided-1 Gap-0 <b>NP Nihal Singh Wala</b> Required-1 Provided-1 Gap-0</p>	All MCs/NPs have installed required no. Material Recovery Facilities (MRF) and the waste is collected at the MRF centres.	MCs/NPs	Activity completed



		<b>NP Fatehgarh Panjtoor</b> Required-1 Provided-1 Gap-0  <b>NP Badhni Kalan</b> Required-1 Provided-1 Gap-0			
4.	Awareness and education programs implementation	No Gap	Awareness is being created amongst the public by organizing seminars, through school children, by providing banners at prominent places of the city etc. The MCs/NPs are conducting meetings with owners of hotels / restaurants / marriage palaces to eliminate single use plastic.	MCs/NPs	Regular activity
5.	Access to Plastic Waste Disposal Facilities	Adequate – ULBs have made agreement with the authorized recycler for disposal of plastic waste collected at material recovery facility.	The use of plastic waste in road construction and in industrial sector like pyrolysis plants, recyclers etc. is being made.	MCs/NPs	Activity completed
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 – 12 Registration obtained – 11 Gap - 1	The industrial units who are not registered under plastic rules are being pursued for obtaining registration by the Board	PPCB	Regular activity

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)	Adequate	<ul style="list-style-type: none"> <li>• PMIDC has been made an agreement M/s MAX speciality Films in this regard to purchase/collect any kind of plastic garbage from the ULBs.</li> <li>• PMIDC coordinated with PWD and Mandi Board to utilize plastic waste in Roads.</li> <li>• More effective Disposal facility needs to be engaged under guidance of PMIDC</li> </ul>	MCs / NPs	Activity completed
8.	Framing of bye-laws incorporating the provisions of Plastic Waste Management Rules, 2016. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	ULBs- are making the laws.  Rural areas-	MCs/NPs already framed  Rural Panchayats = yet to prepared	MCs/NPs and  ADC (D) / DDPO / XEN Panchayati Raj	Process completed  Preparation of action plan 31.12.2023
9.	Set up, operationalize and co-ordinate for Plastic Waste management in Rural area. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Inadequate	Proposal has been prepared by the Dept. of Rural Development & Panchayat.	ADC (D) / DDPO / XEN Panchayati Raj	Completion of activity by: <ul style="list-style-type: none"> <li>• 80 villages upto 30.12.2023</li> <li>• 130 villages upto 30.06.2024</li> <li>• 210 Villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul>

10.	Ban on non-recyclable single use polythene bags. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	ULBs- Initiated	Ban has been already imposed by the State Govt., on sale, purchase, manufacturing and stock of plastic carry bags. The MoEF&CCP vide its notification dated 12.08.2021 has banned Single use plastic with effect from 1.07.2022. Further, the guidelines of the Centre and State Govt., regarding banning of single use plastic will be complied with.	ULBs	Regular activity
11.	Segregation, collection, storage, transportation of plastic waste and channelizing of recyclable plastic waste fraction to recycler having valid registration. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	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
		In Villages – not adequate.	Action plan has been prepared	ADC (D) / DDPO / XEN Panchayati Raj	Completion of activity by: <ul style="list-style-type: none"> <li>• 80 villages upto 30.12.2023</li> <li>• 130 villages upto 30.06.2024</li> <li>• 210 Villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul>
12.	Awareness to the waste generator to take steps to minimize the plastic waste and segregate plastic waste at source. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	No Gap	Awareness is being carried out on regular basis by organizing camps.	ULBs	Regular activity
		No Gap	Awareness is being carried out on regular basis by organizing camps.	ADC (D) / DDPO / XEN Panchayati Raj	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)	Disposal of plastic waste in villages.	Instruction are already been given to Gram Panchayat Through BDPO's	ADC (D) / DDPO / XEN Panchayati Raj	Activity completed
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	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.	PPCB	Regular activity

	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)		in consultation with research institutes.		
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(iii) **C&D Waste Management**

**a. Current status related to C&D Waste**

Details of Data Requirement	PresentStatus
Total C&D waste generation in MT/per day (As per data from Municipal Corporations/Municipalities)	MC Moga – 0.5 MT MC Baghapurana – 0.05 MT MC Dharamkot – 0.05 MT NP Kot Ise Khan – 0.05 MT NP Nihal Singh Wala – 0.03 MT NP Badhni Kalan – 0.03 MT NP FatehgarhPanjtoor– 0.03 MT Total - 0.74 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.	MC Moga Sites provided=2 MC Baghapura Sites provided = 1 MC Dharamkot Sites provided = 1 NP Kot Ise Khan Sites provided = 1 NP Badhni kalan Sites provided = 1 Separate collection site in other ULBs is yet to be provided. NP Nihal Singh Wala Sites provided = 1	Allocation of separate site for C&D will be done by each ULB.	Department of Local Govt.	C&D waste processing machinery may be setup by 30.06.2024 and recyclable C&D waste may be utilized in paving blocks, lower layer of road pavements and rural road etc. and a record in this regard may be maintained by each MC / NP
2.	Whether local authority have fixed user fee on C&D waste and Introduced permission system for bulk waste	No gap	Already fixed	MCs/NPs	Activity completed

	generators who generate more than 20 tons or more in one day or 300 tons per project in a month?				
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)	30.06.2024
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	30.06.2024
5.	IEC on C&D waste management	No gap	Awareness is being made through media, NGOs & radio.	MCS/NPs	Regular Activity

(iv) **Bio-medical Waste Management**

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

<b>Inventory of BMW in the District</b>	<b>Quantity</b>
Total no. of Bedded Healthcare Facilities	117
Total no. of non-bedded HCF	200
No. of HCFs authorized by SPCBs/PCCs	317
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	415 kg/day
Quantity of biomedical waste treated per day	415 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 Health care Facilities	<ul style="list-style-type: none"><li>Total HCFs identified (Bedded+non-bedded)= 317</li><li>HCFs authorized by the PPCB= 317.</li></ul>	Regular camps are being organized to pursue the HCFs to obtain the authorization.	PPCB / Civil Surgeon	Regular activity
2.	Adequacy of facilities to treat biomedical waste	No Gap. Bio Medical waste lifted by Medwaste Solutions Pvt. Ltd., Village Biddowali, Sri Muktsar Sahib.	Not required	PPCB	Regular activity
3.	Tracking of BMW	No Gap. Bar code system is implemented by all HCFs and CBWTFs.	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	Not required	PPCB / Civil Surgeon / HCFs	Regular activity



		organized in a quarter.			
5.	Adequacy of Funds	No gap	Private HCFs = Funds available Govt., HCFs = Funds Being arranged	CMO	Regular activity
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 / Civil Surgeon / HCFs	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 & PPCB	Regular activity
8.	Wastewater Treatment	<ul style="list-style-type: none"> <li>• Total HCFs Required ETP = 117</li> <li>• Total HCF install ETPs = 6</li> </ul>	HCFs are being pursued to install the wastewater treatment facilities as per Board's office order no. 468 dated 31.08.2021. The meetings are being held association level to get the compliance from HCFs.	PPCB / Civil Surgeon	30.09.2023
9.	Disposal of radioactive materials. With the proliferation of radiotherapy, nuclear medicine, X Rays, CT Scans and other equipment's using radioactive materials. (Directions of Hon'ble NGT in OA no. 710 of 2017 dated 18.01.2021)	No gap	<ul style="list-style-type: none"> <li>• Most of the Hospitals now have provided the digital X-Ray, hence no such waste is generated from digital X-ray.</li> <li>• The Hospitals which have not provided the digital x-ray machine have made the agreement with the authorized agency for the disposal of its waste.</li> </ul>	Health department	Activity Completed

## (v) Hazardous Waste Management

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

Details of Data Requirement	Present Status
No. of Industries generating HW	26
Quantity of HW in the district	442.43 TPA
(i)Quantity of Incinerable HW	15.79 TPA
(ii)Quantity of land-fillable HW	28.034 TPA
(iii)Quantity of Recyclable/ utilizable HW	398.61 TPA
No. of captive/common TSDF	0
Contaminated Sites or probable contaminated sites	0

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

Sr. No.	Action points	Identification of Gaps	Action Plan	Responsible agency	Timeline for completion of activity
1.	Regulation of industries and facilities generating Hazardous Waste	The hazardous waste generating industries have already been identified and inventorized and they have provided rooms for the hazardous waste storage room for temporary storage of hazardous waste.	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 of collection centres	Each hazardous waste generating industry has provided impervious hazardous waste storage room for temporary storage of hazardous waste till its final	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 unscientific	PPCB	Regular activity

		disposal to hazardous waste disposal site	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	Nil	NA	NA	NA

**(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	Not available
Collection centers established by ULBs in the District	1
Collection centers established by Producers or their PROs	4
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	Activity completed
2	E-Waste collection points	Separate collection site provided in all ULBs is yet to be provided.	Allocation of separate site for C&D will be done by each ULB.	Department of Local Govt.	Activity completed
3	Linkage among Stakeholders to channelize E-Waste	Linkage among Stakeholders to channelize E-Waste is being done	Work under progress	MC/NP	31.03.2024
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	31.03.2024
5	Integration of informal sector	integration of informal sector work has been started	Work under progress	District Administration & PPCB	31.03.2024
6	Awareness and Education	Initiated	Special workshops and awareness campaigns through Producers/PROs is being carried out	District Administration & PPCB	Regular activity
(vii)	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)	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 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
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)	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
11.	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 Administration/ PPCB	Regular activity
12.	Governance framework for monitoring compliance. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Regular Monitoring will be carried out to check the compliance.	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 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 will be 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 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)	Separate waste deposition centers for domestic E-waste	Domestic hazardous waste deposition centers will be established with the each secondary collection point.	All Local Bodies	31.12.2023 as same will be established with the secondary points and establishment of the compactor.

### 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:	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
No. of air pollution industries	487
No. of units installed APCD	487
Status of Air consent	487 (once granted)
Prominent air polluting sources	Industry, Brick Kiln, Unpaved Roads, 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 activity.
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?	Ambient air quality monitoring station will be installed at District Moga.	PPCB	Activity completed
3.	Setting up of Continuous Ambient Air Quality Monitoring Station (CAAQMS)	At present, there is no proposal for installation of CAAQMS at District Moga as this district does not fall in the list of non-attainment cities. Ambient air quality monitoring station will be installed at District Moga.	PPCB	30.06.2024
4.	Awareness on AirQuality	Awareness is being carried out on regular basis. Ambient air quality monitoring station will be installed at District Moga.	PPCB	Regular activity
5.	Conversion of Natural Draft Brick Kilns to Induced Draft Brick Kilns	No brick kiln should be operation without adoption of induced draft technology.	PPCB	Activity already completed

6.	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.	MCs and PWD	Regular activity
7.	Procurement of Mechanical sweeping machines	MC Moga has already purchased one no. mechanical sweeping machine.	MC Moga	Activity already completed
8.	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
9.	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
10.	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	30.09.2023
11.	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
12.	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
13.	Extensive drive against polluting vehicles	This drive against polluting vehicles has already been initiated by the Police department.	Traffic Police	Regular activity
14.	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
15.	Phasing out commercial diesel vehicles more than 15 years old	Scheme under consideration.	Transport	31.03.2024
16.	Promotion of E-Vehicles	Promotion of E-vehicles is being carried out.	Transport	Regular activity
17.	Infrastructure development for additional of CNG based autos/taxis	Infrastructure will be developed to promote CNG based autos/taxies. Also IEC activities will be carried out to create awareness in this regard.	DFSC	Regular activity
18.	Control of open burning of bio-mass.	Regular monitoring is being done in each ULB.	MCs/NPs	Regular activity



19.	Dissemination of Air Quality Index by installing CAAQMS	At present, there is no proposal for installation of CAAQMS at District Moga as this district does not falls in the list of non-attainment cities.	PPCB	Not yet prescribed
20.	Dissemination of Air Quality Index by installing display boards in the city	At present, there is no proposal for installation of CAAQMS at District Moga as this district does not falls in the list of non-attainment cities.	PPCB	Not yet prescribed
21.	Quality Management Division(AQMD) at PPCB (HQ)Establishment of an Air	Already existing	PPCB	Activity completed
22.	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
23.	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
24.	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
25.	Steps to be taken for management of agriculture waste/residue	<ul style="list-style-type: none"> <li>• In order to management of agriculture waste / residue, Deptt. of Agriculture is providing machines to the farmers by giving subsidy on the rates.</li> <li>• No. of CRM machines available 4350 and it will cover area of 1,30,500 hectare.</li> <li>• IEC activities like farmer training camps, Hoarding and field demonstrations are also being carried out to spread the awareness amongst the farmers.</li> </ul>	Agriculture department	Regular Activity

## 4.0 Water Quality Management

### 4.1 Water Quality Monitoring

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

Details of Data Requirement	Present Status
Rivers	1
Drains	28
Length of Coastline(if any)	Nil
Nalas/Drains/Creeks meeting Rivers	Nil
Lakes/Ponds	470
Total Quantity of sewage and industrial discharge in District	Sewage = 42.65MLD Industrial = 4.6 MLD
Percentage of untreated sewage	29 %
Details of bore wells and number of permissions given for extraction of groundwater	Not estimated
Ground water polluted areas if any	0
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	Rural = 470 ponds Urban = 13 ponds As per action plan rejuvenation of ponds dated 31.05.2020.	Dept. of Irrigation / DDPO	Inventory of water bodies may be prepared by the Department of Irrigation and Department of Rural Development and Panchayat by 30.09.2023.
2.	Quality of water bodies in the district	The Monitoring of drains is being carried out and data is being maintained. <a href="https://ppcb.punjab.gov.in/en/water-quality">https://ppcb.punjab.gov.in/en/water-quality</a>	PPCB / Deptt. Of Water Resources and Dept. of Rural Development & Panchayats.	Regular activity
3.	Hotspots of water contamination	Identified and given in the Sutlej 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	Regular activity

4.	Protection of river/lakewaterfront	Awareness is being carried out in the public to stop the dumping of solid waste in drains/Nallah. Patrolling along the drains is also being carried out by the concerned departments to rule out the disposal of solid waste in an around water bodies.	MCs/NPs & Deptt. of Drainage.	Regular activity
5.	Inventory of sources of water pollution	Source of pollution into drains / nallahs is being identified. New source of pollution are also being identified.	MCs/NPs, Drainage department.	Regular Activity
6.	Oil spill disaster management(for coastal districts)	NA	NA	NA
7.	Protection of flood plains	NA	NA	NA
8.	Rejuvenation of ground water	Action plan for Rain water harvesting prepared by CGWB. <a href="http://cgwb.gov.in/gwresource.html">http://cgwb.gov.in/gwresource.html</a>	Department of Water Resources / DDPO/ PUDA	Proposal / scheme for rejuvenation of groundwater may be prepared within one month and shall be implemented by 31.12.2023.
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

## 4.2 Domestic Sewage

### a. Current status

Details of Data Requirement	Present Status
No. of Class-II towns and above	3
No. of Class-I towns and above	1
No. of Towns STPs installed	3
No. of Towns needing STPs	4
No. of ULBs having partial underground sewerage network	3
No. of towns not having sewerage network	4
Total Quantity of Sewage generate in District From Class-II cities and above	37.41MLD
Quantity of treated sewage flowing into Rivers(directly or indirectly)	27MLD

Quantity of untreated or partially treated sewage(directly or indirectly)	7.41MLD
Quantity of sewage flowing into lakes	0
Total available Treatment Capacity	35MLD

**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 (STPs)	MC Moga STP of capacity 27MLD has already installed and made operational.  DPR amounting Rs. 58.67 Crore has been approved by the Govt. But, Funds are not available yet.  For additional discharge in-situ remediation technology is to be provided. No work in this regard has been started.	MC and PWSSB	Activity already completed  Additional STP of capacity 30 MLD for Moga town will be installed & commissioned by 31.12.2024.  MC Moga may install in-situ remediation technology in consultation with PAU, Ludhiana by 31.12.2023.
		MC Baghapurana: STP of capacity 4MLD installed, however not in operation due to sewerage network issue in the town.	MC and Water Supply & Sanitation	1) sewer connection to all houses of Baghapurana may be given by MC by 31.03.2024.  2) DWSS / MC shall ensure that STP Baghapurana may be made fully operational by 31.12.2024.
		MC Dharamkot STP of capacity 4MLD has already installed and made operational.	MC and PWSSB	Activity already completed

	<p>MC Kot Ise Khan</p> <p>A DPR of 3 MLDSTP&amp; intercepting sewerage network is prepared amounting to Rs. 27.74 Cr. But funds are not tied up yet.</p> <p>As interim measure MC Kot Ise Khan has installed treatment based on pond system.</p>	MC and PWSSB	<p>When DPR gets approved under this scheme, the tendering process will be started and work will be completed within 24 months.</p> <p>Activity completed</p>
	<p>NP Nihal Singh Wala</p> <p>A DPR of 3 MLDSTP&amp; Main intercepting sewerage network is prepared amounting to Rs. 20.16 Cr. But funds are not tied up yet.</p> <p>As interim measure MC Nihal Singh Wala has installed treatment based on pond system.</p>	MC and PWSSB	<p>Work shall be completed within 24 months after arrangement of land.</p> <p>Activity completed</p>
	<p>NP Badhni Kalan</p> <p>A DPR of 3 MLDSTP and intercepting sewerage network is prepared amounting to Rs. 15.66 Cr. But funds are not tied up yet.</p> <p>As interim measure MC Badhni Kalan has installed treatment based on pond system.</p>	MC and PWSSB	<p>Work shall be completed within 24 months after arrangement of funds.</p> <p>Activity completed</p>
	<p>NP Fatehgarh Panjtur</p> <p>A DPR of 1 MLDSTP and intercepting sewerage network is prepared amounting to Rs. 12.59 Cr. But funds are not tied up yet.</p> <p>As interim measure MC Fatehgarh Panjtur has installed treatment based on pond system.</p>	MC and PWSSB	<p>Work shall be completed within 24 months after arrangement of funds.</p> <p>Activity completed.</p>

2	Underground sewerage network	<p>The status of sewerage network for different towns of Distt. Moga is as under:  Moga = 85% Sewer Exists  Dharamkot= 90% Sewer Exists  Nihal Singh Wala= No Sewer Exists  Badhni Kalan= No Sewer Exists  Kot Ise Khan= No Sewer Exists  Fatehgarh Panjgur= No Sewer Exists  Baghapurana = 80% sewer Exists  The DPR for remaining work has been prepared to complete pending work.</p> <p><b>Moga</b></p> <p>DPR of balance sewerage network amounting to Rs. 12.07 Cr. has been prepared under Central government scheme Jal Jiwan Mission which is yet to be approved.</p> <p><b>Dharamkot</b></p> <p>DPR of balance sewerage network amounting to Rs. 2.39 Cr. has been prepared under central government scheme Swachh Bharat Mission 2.0 which is yet to be approved.</p> <p><b>Nihal Singh Wala</b></p> <p>A DPR of 2 MLDSTP&amp; Main intercepting sewerage network is prepared under Swachh Bharat Mission 2.0 amounting to Rs. 15.64 Cr. But funds are not tied up yet.</p> <p><b>Badhni Kalan</b></p> <p>A DPR of 3 MLDSTP and intercepting sewerage network is prepared under Swachh Bharat Mission 2.0 amounting to Rs.11.93 Cr. But funds are not tied up yet.</p> <p><b>Kot Ise Khan</b></p> <p>A DPR of 3 MLDSTP&amp; intercepting sewerage network is prepared under Swachh Bharat Mission 2.0 amounting to Rs. 22.96 Cr. But funds are not tied up yet.</p>	PWSSB	<p><b>Moga</b></p> <p>Timeline: Work shall be completed within 12 months after approval of DPR.</p> <p><b>Dharamkot</b></p> <p>Timeline: Work shall be completed within 12 months after approval of DPR.</p> <p><b>Nihal Singh Wala</b></p> <p>Timeline: Work shall be completed within 24 months after arrangement of funds.</p> <p><b>Badhni Kalan</b></p> <p>Timeline: 31.12.2023</p> <p><b>Kot Ise Khan</b></p> <p>Timeline: Work shall be completed within 24</p>
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		<p><b>Fatehgarh Panjtur</b></p> <p>A DPR of 1 MLDSTP and intercepting sewerage network is prepared under Swachh Bharat Mission 2.0 amounting to Rs. 12.08 Cr. But funds are not tied up yet.</p>	<p>months after approval of DPR.</p> <p><b>Fatehgarh Panjtur</b></p> <p>Timeline: Work shall be completed within 24 months after arrangement of funds.</p>
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3.	<p>Operation and Maintenance of STPs</p> <p>(i) Arranging funds for operation and maintenance of STPs in a professional manner</p>	Regular Activity	MC Moga & PWSSB	Regular activity
	<p>(ii) Providing proper in-house laboratory facilities at each STP for maintaining record of characteristics of untreated as well as treated waste water</p>	<p>MC Moga &amp; MC Dharamkot = completed</p> <p>MC Baghapurana = Not provided, and also STP is not in operation due to sewerage network issue in the town.</p> <p>NP Nihal Singh Wala, NP Badhni Kalan, NP Kot Ise Khan, NP Fatehgarh Panjtur = Will be established as per timeline of STP</p>	MC Baghapurana	Not provided
4.	<p>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.</p> <p>(i) Finalization of appropriate technology</p>	Technology already finalized	ADC (D) / DDPO / XEN Panchayati Raj	Activity completed

	(ii)Arrangement of Funds for treatment technology in various villages identified in the Action Plan	For 25 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	31.12.2023
	(iii)Reuse of water for agriculture purpose in villages.	To use treated water of 10 ponds from Irrigation purpose, Department of Soil Conservation has been requested to formulate a scheme & arrange for the finds. Till date treated water is not used for irrigation purpose.	DDPO, Soil conservation department& Xen Panchayati Raj.	31.12.2023
	(iv)Proper operation and maintenance of treatment facilities installed in village ponds	The Developed ponds will be taken care of under MGNREGA or any other scheme by Gran Panchayats.	DDPO& Xen Panchayati Raj	31.12.2023
5.	Checking of health indices of the inhabitants&maintain database.	Camps are organized on monthly basis	The Department of Health and Family Welfare	Regular activity
6.	Setting up of additional water bodies/water harvesting structures	Action plan for setting up of additional water bodies/water harvesting structure is yet to be prepared.	MCs/NPs	30.06.2024
7.	Guidelines for control of pollution and enforcement of 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)	Being implemented as per guidelines framed by CPCB	PPCB	Activity completed
8.	Installation of ETP in all big units (marriage halls, banquet halls, party venues etc) which are not connected with the sewer lines. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	<ul style="list-style-type: none"> <li>• Being implemented as per guidelines framed by CPCB.</li> <li>• Total no. of units: 45</li> <li>• No. of units having installed ETP / STP: Nil, remaining units have provided oil &amp; grease trap followed by septic tank as treatment facility</li> <li>• Gap: Nil.</li> <li>• New identification is being done and after identification the units</li> </ul>	PPCB	Activity completed



		will be directed to provide treatment facility		
9.	All the units having kitchen should have proper ducting arrangement. The units using DG sets must have the proper stack height. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	Being implemented as per guidelines framed by CPCB	PPCB	Activity completed
10.	The local authorities/corporations should carry out inventory of the dairy farms and gaushalas. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	Being prepared.	MC/NPs	30.09.2023
11.	The local bodies/municipal corporations shall publish a public notice in newspapers and on their website for registration of dairy farms and gaushalas as per municipal law. (Directions of Hon'ble NGT in OA no. 400/2017 dated 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	30.09.2023
12.	The District Collectors of all the Districts are directed to constitute monitoring committees to monitor the Extraction of Ground Water by the individuals for commercial purposes. (Directions of Hon'ble NGT in OA no. 176/2015 dated	The Department of Water Resources (Drainage) vide its order dated 05.05.2022 has formed a District implementing Committee for water regulation and development.	Dept. of Water Resources (Canal)	Activity completed

	20.07.2020)			
13.	There must be no general permission for withdrawal of ground water, particularly to any commercial entity, without environment impact assessment of such activity on individual Assessment units in cumulative terms covering carrying capacity aspects by an expert committee. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Noted for compliance and will be assured.	All local bodies & DDPO	Regular activity
14.	All Overexploited, Critical & Sensitive (OCS) assessment units must undergo water mapping. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Water mapping of all the OCS assessment units has been carried out as per the guidelines of GOI as per GEC-2015 Methodology by taking Block as a Unit of Assessment. The data of years 2015-19 has been taken for assessing the same recently.	Water Resources	Activity Completed
15.	Water Management Plans need to be prepared for all OCS assessment units in the country based on the mapping data, starting with Overexploited blocks. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Punjab Government has engaged M/s Mekorot, National Water Company of Israel to formulate the Water Conservation and Management Master Plan for the State of Punjab and their final recommendations is likely to be submitted by December 2021.	Water Resources	Activity completed
16.	The Water Management Plans, data on water availability or scarcity and policy of CGWA must be uploaded on its website for transparency and	Noted for compliance and will be assured.	PWRDA	NA It is informed that PWRDA does not have their presence in District Moga

	public involvement. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)			
17.	The District Magistrates have been directed to take up one pond per village for its rejuvenation, this year. (Directions of Hon'ble NGT in OA no. 325/2015 dated 18.11.2020)	A) Till date 11 ponds have been rejuvenated/restored B) Rest 52 will be restored upto 30.06.2023	Panchayati Raj	30.06.2023
18.	Active efforts be made in close coordination with technical bodies to tap excess runoff of rivers/canals during rainfall season to recharge old water bodies and retain water in new ponds to be constructed specifically for the purpose (Directions of Hon'ble NGT in OA no. 325/2015 dated 18.11.2020)	A proposal will be prepared in coordination with technical bodies to tap excess run of rivers / canals to rainfall season to recharge old water bodies and to retain water in new ponds.	DDPO	Completion of activity by: <ul style="list-style-type: none"> <li>• 80 villages upto 30.12.2023</li> <li>• 130 villages upto 30.06.2024</li> <li>• 210 Villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul>
19.	Land owning agencies must ensure that every water body has unique ID for its identification. There should be retagging of the water bodies to prevent encroachment. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Already implemented	Drainage Department	Activity Completed
20.	Awareness among public to set up Rainwater Harvesting System and about its utility should be enhanced. (Directions of	Being carried out by all ULBs.	Local Bodies	Regular Activity

	Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)			
21.	Installation of STP will be mandatory for all residential 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)	Directions are already being followed.	MCs/NPs	Regular Activity
22.	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)	O&M of water supply scheme of Moga, Dharamkot, Nihal Singh Wala, Fatehgrh Panjtur, Kot Ise Khan, Baghapurana are with concerned ULB/DWSS except Badhni Kalan Town. Hence the work of installing flow meter will be executed by ULBs at their own level only. For Badhni Kalan Town, DWSS, Moga has already installed flow meter under Daudhar 85 villages surface water supply scheme.	PWSSB	30.06.2024
23.	Control of illegal extraction of groundwater. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Inspections are being made to control illegal extraction of ground water. No authorization is given to public for extracting ground water illegally.	All Local Bodies	Regular Activity
24.	Review of District Environmental Plan activities at different levels of District Heads and District Magistrate. (Directions of Hon'ble NGT in OA no. 360/2018 dated 05.07.2021)	The Activities of District Environmental Plan will be reviewed on monthly basis by the District Heads and at the level of Deputy Commissioner.	District Heads of concerned departments and District Administration.	Regular activity
25.	Appointment of Nodal officer with contact number	All the departments have appointment the Nodal officer and list is attached as <b>Annexure-1</b>	All concerned departments	Completed
26.	Preparation of operational manual of STPs for the effective and efficient operation	Already prepared.	PPCB	Activity completed

	of the STPs of the state.			
27.	Enhancement of capacity of existing ponds/ water bodies and creating of new water harvesting structures.	A. Existing Ponds(Total)= 470 B. No. of Ponds whose Capacity has been enhanced = 11 C. New ponds = Nil Source of Funds above activities: Gram Panchayat Fund, Finance Commission, MGNrega.	ADC (D) / DDPO / XEN Panchayati Raj	31.12.2025
28.	Usage of treated sewage for sprinkling purposes for sweeping of roads to control dust pollution.	The treated sewage of District Moga will be used for sprinkling purposes for sweeping of roads to control dust pollution.	MC Moga	Regular activity
29.	Mapping of the rivers and flood plain zones in the catchment area of rivers of the State.	NA	NA	NA
30.	Utilization of STPs sludge	STPs sludge is used by the farmers as manure.	ULBs	Regular activity
31.	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	31.12.2023.
32.	Reuse of treated effluent through existing STPs (OA no. 496/2016 dated 22.01.2021)	Only one STP has been installed for Moga town of capacity 27 MLD. At present, the treated wastewater is discharged into moga drain. The Irrigation schemes for use of treated wastewater in nearby areas by farmers is being prepared.  Scheme for irrigation network or any laid for STP of Dharamkot.	Department of Soil conservation, ULBs/PWSSB	Irrigation scheme for use of treated waste water for irrigation purposes has been prepared for STP Moga. Project has been sanctioned and work has been allotted and will be completed in two years.  Treated waste water from STP Dharamkot is being used by nearby farmers via underground irrigation network laid by Department of Soil & Water Conservation.
33.	Reuse of treated effluent through <b>proposed STPs (New STPs)</b> (OA no.	As and when new STPs are installed and made operational, treated waste water will be re-used for irrigation purposes	Department of Soil conservation, ULBs/PWSSB	Irrigation scheme for use of treated waste water from STP Baghapurana

	496/2016 dated 22.01.2021)			<p>has been sanctioned and work is being executed in field. Project will be completed by 31.12.2024.</p> <p>DPR for proposed 2.5 MLD STP in Fatehgarh Panjtoor &amp; Kot Ise Khan has been prepared. Project will be started, when said STPs got installed and made operational.</p> <p>Irrigation scheme for use of treated waste water of treatment facility Nihal Singh Wala &amp; Badhni Kalan will be made by 31.03.2024.</p>
34.	Installation, operation & maintenance of online continuous effluent monitoring system with flow meter as well as CCTV cameras for the existing STPs as well as new STPs to be installed.	In Moga district 2 No. STPs namely 27 MLD Moga & 4 MLD Dharamkot are operational. CCTV camera & OCEMS are already installed at both STPs.	MC Moga & PWSSB	Activity completed
35.	Activity w.r.t. In-situ remediation technology to be provided in the drains carrying untreated sewage.	Proposal has been prepared	MCS/NPs	Activity completed

## 5.0 Industrial wastewater management

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

Number of Red, Orange, Green and White industries in the District	Red Category unit = 28 Orange Category unit = 537 Green Category unit = 60
No. of Industries discharging wastewater	37
Total Quantity of industrial waste water generated	4.6MLD
Quantity of treated industrial wastewater discharged into Nalas/ Rivers	0
Common Effluent Treatment Facilities	NA
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	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 complied
3.	Installation of Electromagnetic flow meters at inlet and outlet of ETP.	37 no. industries have already installed the EMF meters at the inlet & outlet of ETP.	PPCB	Activity completed
4.	Inspection of units to check compliance	Industrial units are being inspected as per the protocol prescribed by the Board.	PPCB	Regular activity

## 6.0 Mining Activity Management plan

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

Details of Data Requirement	Existing Mining operations
Type of Mining Activity	Sand mining
No of licensed Mining operations In the District	Sand mining (3 No. Mining Sites & 3 No. Desilting Sites)
Area covered under mining in the District	59.62 hectare land  Mining Sites : Villages Bassian (in 8.3 hectare land) Village Chak Tarewala (in 1.56 hectare land) Village Sanghera (in 17.89 hectare land)  Desilting Sites : Adraman 1-A (3.72 hectare land) Adraman 1-B (5.57 hectare land) Adraman 2 (22.65 hectare land)
Area of Sand Mining	3 no. sites are operative on the banks of river Sutlej in Tehsil Dharamkot, District Moga

### 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	Mining activity is carried out at 4 number villages namely Bassian (8.3 hectare), ChakTarewala (1.56 hectare), Sanghera (17.89 hectare), Adraman (31.94 hectare) in district Moga, and proper monitoring is carried out by the Department time to time.	Department of water resources	Regular activity
2.	Inventory of illegal mining if any mining	No illegal mining activity is carried out in the jurisdiction of district Moga	Department of water resources	Regular Activity
3.	Environment compliance by Mining industry	Regular surveillance, patrolling is being carried out to check the compliance.	Department of water resources	Regular activity
4.	Demarcation of boundaries for regulating grant of sand mining	Demarcation of Mining lease has been carried out	Drainage Department	Regular Activity



	lease. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	before granting the final approval to the contractor/leasee and the same has been checked on regular basis by concerned Revenue Department in presence of Mining Department by DGPS System.		
5.	Mining in all blocks is undertaken as per provisions of EIA Notification, 2006; MOEF Notification dated 15.1.2016 and the Sustainable Sand Mining Management Guidelines, 2016. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	i. As per the guidelines, there is provision for obtaining E.C before commencement of mining. ii. According to the SSMMG, 2016 issued by MOEF&CC, mining work is restricted from riverbed during the monsoon season. (Thus in the month of July, August and September in the State.)	Drainage Department	Regular activity
6.	No sand mining is permitted without due compliance of the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 as well as regulations governing clearances by the Central Ground Water Authority. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	The conditions mentioned in the Environmental Cleanliness Certificate issued by the State Level Environment Impact Authority (SEIAA), are being followed. No Mining operations in the leveled riverbed shall be carried out beyond the depth of 3 meters or water level whichever is less/lower.	Drainage Department	Regular activity
7.	District authorities shall seize all sump pumps, other machinery, tools, vehicles, etc. used for carrying out illegal sand mining. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	Machinery/vehicles/tools/sumps-pumps found on illegal mining spot is being seized by the Concerned Authorities and handed over to the Police Administration.	Drainage Department	Regular activity
8.	Any penalty imposed or not by concerned Department to cover the restoration cost of environment and to compensate the victims. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	While examine the illegal mining spot penalty imposed by the concern department by following the proper guidelines laid by Govt./Hon'ble NGT from the land owners and the Machinery owners.	Drainage Department	Regular activity
9.	Status of a detailed restoration plan for the	Mining work is being done on basis of approved	Drainage Department	Regular Activity

	concerned river and its river beds. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	mining scheme by including the restoration plan in the mining plan which is recommended by Concerned Mining Officer & approved by State Geologist, Pb.		
10.	Status of CCTV Cameras installation at mining points to verify the amount of sand extracted. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	CCTV cameras has been installed at mining points and integrated with Govt. Web-Portal.	Drainage Department	Installed
11.	Status of regular patrolling by the police to inspect the mining operations. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	Police patrolling is being done on regular basis.	Police Department	Regular activity
12.	Status of daily reports regarding mining to be filed by SHO/ Mining officer to be sent to District Magistrate.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	Regular checking's and inspections are conducting for prevention of illegal mining activity in District by the Special Flying squads time to time and when required & for daily patrolling/checking and regular checking's the report has been sent to DC/DM/DMO.	Police Department & Drainage Department	Being followed.
13.	Status of vehicles confiscation. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	In Compliance of the Rules and Guidelines laid down by State Govt. & Hon'ble National Green Tribunal. No illegal mining is carried out in the district.	Police Department & Drainage Department	Regular activity.
14.	Status of setting up of dedicated institutional mechanism for monitoring of conditions of Environmental Clearance as granted under EIA Notification, 2006 in respect of sand and gravel mining.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	The process for establishment of Monitoring System in the State by the Head Office, Water Resources Department, Pb. Chandigarh is under process, Publication for tender has been done the Head Office.	Drainage Department	Tender has been done, time of completion 31.10.2023.
15.	Necessary steps to be taken by District Administration for the effective monitoring mechanisms for preventive	District Administration has constituted Flying Squad Teams for regular checking's and inspections for proper monitoring the	Drainage Department	Regular activity

	and remedial measures including surveillance system for recovery of compensation.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	illegal mining activity in District & Night Duty. Moreover, The process for establishment of Monitoring System in the State by the Head Office, Water Resources Department, Pb. Chandigarh.		
16.	Electronic surveillance through UAVs/Remote Sensing is a good surveillance option especially in areas where sand mafias are active. Night vision drones could be used for checking mining activity at night. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	The process for establishment of Monitoring System (Electronic Surveillance through UAVs/Remote Sensing) in the State by the Head Office, Water Resources Department, Pb. Chandigarh is under process, Publication for tender has been done the Head Office.	Drainage Department	Tender has been done, time of completion 31.10.2023.
17.	Sensitive spots need to be identified and police presence- both static presence and dynamic patrolling needs to be beefed up there. DMs / SSPs be made directly responsible for checking illegal mining.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	Police presence- both static presence and dynamic patrolling is being done on sensitive spots.	Police Department	Regular Activity
18.	Storage Godowns should be at least 5 kms away from the river bank. Otherwise, illegal mining can be carried on under the garb of storage by the leaseholder himself.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	The storage godowns/ stock yards established outside the river bank and maximum storage godowns more than 5kms from the pit site, after proper demarcation and assessment of the minor mineral with the help of revenue department, pillaring/ fencing of the storage/stock yard is done on site and enteries of that storage/stock is entered in Govt. Portal. However, during the upcoming monsoon season more effective measures will be taken up for compliance of this guideline.	Drainage Department	Regular Activity

19.	Geo-fencing of sites, their physical demarcation, allotment of geo-coordinates to all the pillars and their constant physical inspection and electronic surveillance is a must to ensure that the mining activity is as per the approved mining plan and no illegal mining, detrimental to environment, is going on.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	Demarcation of Mining lease has been carried out before granting the final approval to the contractor/leasee and the same has been checked on regular basis by concerned Revenue Department in presence of Mining and pillaring is carried out on site to ensure that mining activity is as per the approved mine plan.	Drainage Department	Completed
20.	There has to be a mechanism to ensure that the actual mining activity conforms to the approved Mining Plan and the approved Environment Management Plan (EMP). Besides the statutory system of Departmental inspections, there has to be a system of annual mandatory Environmental Audit by experts. Environment Department can empanel some experts/expert institutions with standard TORs and Remuneration terms which could be utilized by the Mines Department on a regular basis.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	In state of Punjab, a Govt. Web Portal has been introduced for the transparent function of extraction/ transportation/ sale of minor mineral. In which the record of extraction is maintained and a team of experts audits this system annually. To bring the transparency in system, each weightment slip provided to the transporter, contains a QR Code & can be scanned by any smartphone available in market, to get the desired information of the minor mineral.	Drainage Department	Regular Activity
21.	There has to be an effective mechanism for restoration of environment in case of its degradation due to mining. A portion of the royalty could be reserved for it as Environment Restoration Fund. The Environment Department can empanel some reputed institutions with standard terms for preparing environmental restoration plans which could be used directly by the Mining Department without the arduous formalities.(Directions of	At present stage no such problem or situation occurs in District Moga & during the mining activity in Agricultural/non riverbed mine area, the plantation is being carried out in the land under the mine lease if it belong to the state/central Govt., & where-ever the land belongs to the private land owners the crops/farming is being done by the owners, so that the land with sandy strata is converted into the fertile land by removing the sand	Drainage Department	NA

	Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	in such land.		
22.	States/UTs to strictly follow the SSMG-2016 read with EMGSM-2020 reinforced by mechanism for preparation of DSRs.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	The DSR of District Moga prepared by Mining Department is uploaded on the website of District Moga. During the action against illegal mining activity, if any type of vehicle (Tractor Trolley/Truck/Tipper/JCB/ Poclain/ other vehicle) got impounded/seized during the action, after the proper legal procedure taken by the concerned department thesuch vehicle is released.	Drainage Department	Regular Activity
23.	Annual reports on the subject and such annual reports may be furnished to MoEF& CC by 30th April every year giving status till 31st March. First such report as on 31.03.2022 may be filed with the MoEF&CC by all he States/UTs on or before 30.04.2022.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	Needful will be done.	Drainage Department	31.12.2023

## 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 in district	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 – 12 Available – 0 Gap -12	PPCB & Police Department	31.12.2023
2.	Ambient Noise Level monitoring.	Regular monitoring of the industry as well as during the festival season is carried out	PPCB	Regular activity
3.	Sign boards in Noise zones	43 Signboards are installed at sensitive zones. However, sign boards in other areas are yet to be install.	ULBs	31.12.2023
4.	Complaint redressing system	Public complaint redressal system already established in the district.	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	Smt. Anita Darshi, PCS	Additional Deputy Commissioner (D)	94171-09909	adcgmoga@gmail.com
2.	Police Department	Sh. J-Elanchezhian IPS,	SSP	-	<a href="mailto:ssp.mog.police@punjab.gov.in">ssp.mog.police@punjab.gov.in</a> <a href="mailto:ssp.mog@gmail.com">ssp.mog@gmail.com</a>
3.	MC Moga	Smt. Poonam Singh, PCS	Commissioner Moga	98787-07249	municipalcorporationmoga2021@gmail.com eo_mcmoga2007@yahoo.com
4.	MC Baghapurana	Sh. Davinder Singh Toor	EO	98140-18065	eomcbgp@gmail.com
5.	MC Dharamkot	Sh. Davinder Singh Toor	EO	98140-18065	eomcdmk@yahoo.co.in
6.	NP Kot Ise Khan	Sh. Davinder Singh Toor	EO	98140-18065	eonpkik@gmail.com
7.	NP Nihal Singh Wala	Sh. Davinder Singh Toor	EO	98140-18065	eonpns@gmail.com
8.	NP Badhani Kalan	Sh. Davinder Singh Toor	EO	98140-18065	<a href="mailto:eonpbdk@gmail.com">eonpbdk@gmail.com</a>
9.	NP FatehgarhPanjtoor	Sh. Davinder Singh Toor	EO	98140-18065	eonpfgp@gmail.com
10.	Punjab Pollution Control Board, Regional Office, Faridkot	Er. Amandeep Singh	AEE	88722-22330	ppcbfdk@yahoo.com
8.	Regional Transport Authority, Moga	Smt. Baljeet Kaur PCS	RTA	89681-55300	tomoga00@gmail.com
10.	District Development and Panchayat Office, Moga	Sh. Harjinder Singh	DDPO	98140-74231	ddpo_moga@yahoo.com
11.	Department of Soil & Water Conservation, Moga	Sh. Sandeep Singh	SDO	70092-86238	sdscomoga01@gmail.com

12.	Department of Water Resources & Drainage, Moga	Smt. Gitesh Upveja	XEN	81466-87777	xengolewala@rediffmail.com
13.	PWD (B&R), Moga	Sh. Mander Singh	XEN	98158-14400	eecdmogapwdpb@gmail.com
14.	Punjab Water Supply & Sewerage Board, Moga	Sh. Supinder Singh	XEN	94171-59123	eemg.pwssb@punjab.gov.in
15.	Agriculture Department, Moga	Dr. Sukhraj Deol	CAO	78376-00576	caomoga@yahoo.com
16.	Forest Department, Moga	Sh. Kanwar Deep Singh	DFO	94129-27413	ferozepurdfo@gmail.com
17.	District Food & Civil Supply Officer, DFSC, Moga	Sh. Sartaj Singh Cheema	DFSC	98726-44470	p.gm@live.com
18.	Education Department, Moga	Sh. Sushil Nath	DEO(SE)	77173-34317	deose.moga@punjabeducation.gov.in
19.	Health Department, Moga	Dr. Amarpreet Kaur Bajwa	CMO	98154-00623	nhmmoga1@gmail.com
20.	Labour Department Moga	Sh. Pardeep Kumar	ALC	98769-83909	alcmoga@gmail.com
21.	Director of Factories Moga	Sh. Makhan Singh	Deputy Director	84370-46942	Adf.labmoga@punjab.gov.in