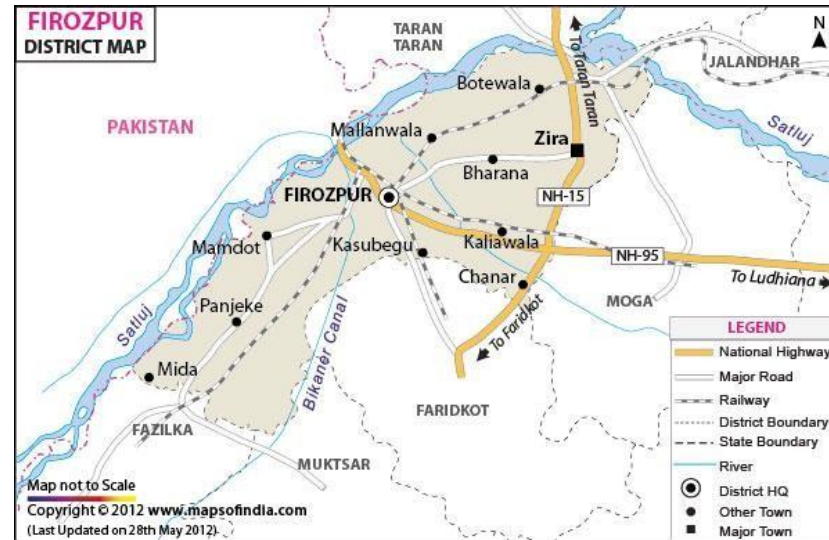


District Environment Plan-Ferozepur

(August, 2023)



District Administration - Ferozepur

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DISTRICT PROFILE

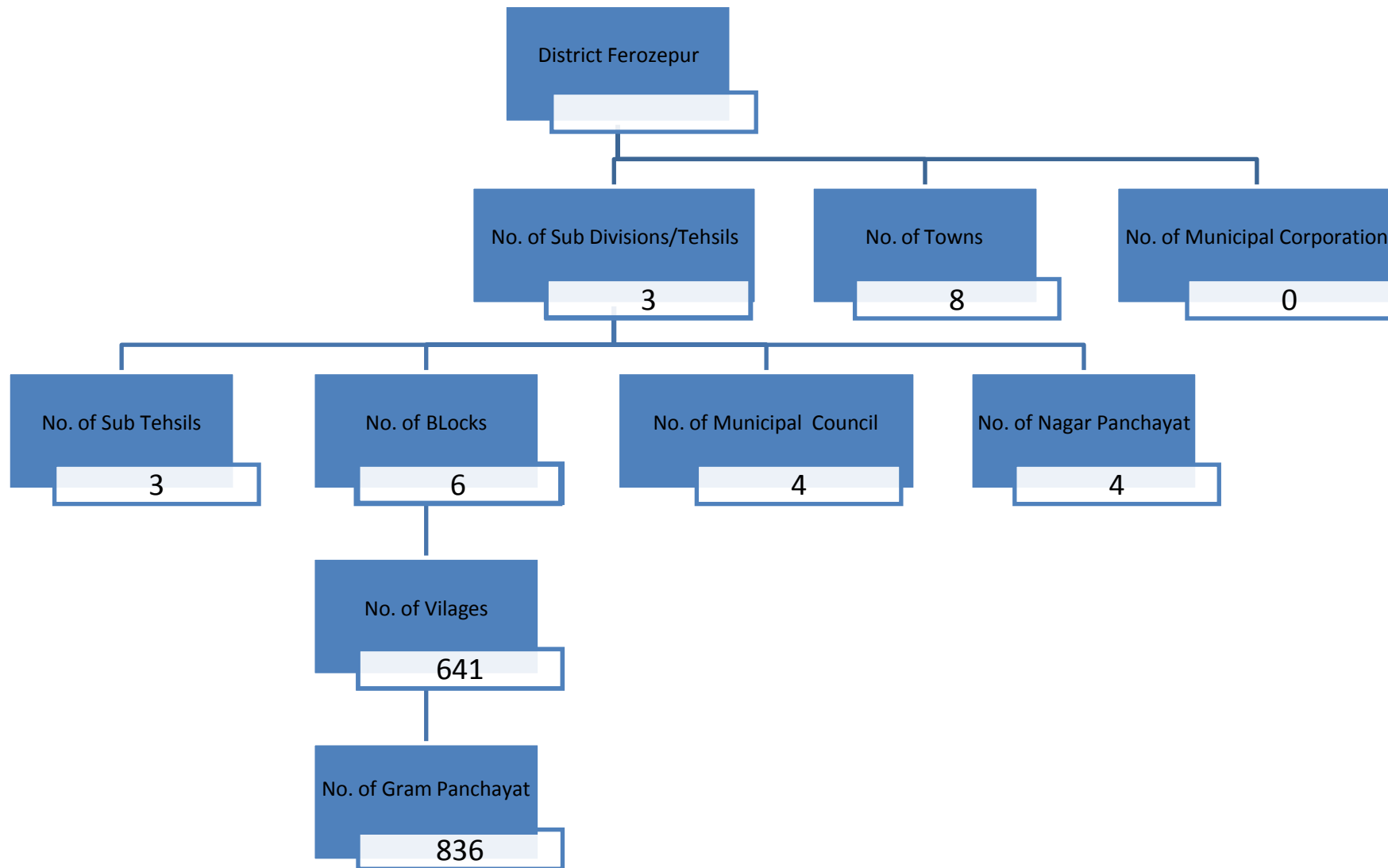
Ferozepur (also written as Ferozpur) is one of the 23 districts of the State of Punjab, located along the International Border with Pakistan. Ferozepur is district since the British rule and neighbouring districts of Moga, Sri Muktsar Sahib and Fazilka were once the tehsils of this district. Ferozepur district is located in the western part of the State of Punjab in the Malwa region.

River Sutlej flows west to the district and forms the boundary with the district Jalandhar, Kapurthala, Tarn Taran and Kasur district of Punjab State of Pakistan. Harike Wetland (Harike Pattan) formed at confluence point of River Sutlej and River Beas is located at North-West corner of the District and at this point three regions of the State i.e. Majha, Malwa & Doaba meet. Harike Wetland with the Harike Lake in the deeper part of it, is the largest wetland in Northern India and is also a Ramsar Site. Two major head works on River Sutlej – Harike head works & Hussainiwala head works are located in district Ferozepur. India's largest canal i.e. Indira Gandhi Canal (Rajasthan Feeder) along with Ferozepur Feeder starts from Harike head works.

Ferozepur Feeder is known as lifeline of Southern-western Malwa region as it is major source of irrigation and drinking water in this region. Indira Gandhi Canal is major source of irrigation and drinking water in six districts of the State of Rajasthan. Two major canal head works in the district are – Gurdittiwala head works, where Ferozepur Feeder bifurcates into two canals – Ferozepur Feeder & Sirhind Feeder and Balianwali head works, where Gang Canal (Bikaner Canal) starts.

Three major drainage networks of the district are – Sukkar Nallah drainage network, Phidda drainage network & Phidda Outfall drainage network and all three drainage networks have outfall in river Sutlej at village Masteke, Langeana, Gazniwala respectively. Sukkar Nallah drainage network is a natural drainage network (old route of river Sutlej) and drains the entire Zira tehsil of the district.

(i) District Administrative Set-up



(ii) Local institutions

In District Ferozepur, there are total 3 Sub-Divisions/Tehsils, 8 towns. There are 03 Sub-Tehsil, 6 Blocks, 04 Municipal Councils. There are total 836 Gram Panchayats in the District.

(iii) Natural Resources

- Water bodies

Two major head works on River Sutlej – Harike head works & Hussainiwala head works are located in district Ferozepur. India's largest canal i.e. Indira Gandhi Canal (Rajasthan Feeder) along with Ferozepur Feeder starts from Harike head works.

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- Ground Water

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 PWRDA 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	Ferozepur	132	Over-Exploited	Yellow
2	Ghal Khurd	198	Over-Exploited	Yellow
3	Guru Har Sahai	117	Over-Exploited	Yellow
4	Makhu	149	Over-Exploited	Yellow
5	Mamdot	154	Over-Exploited	Yellow
6	Zira	259	Over-Exploited	Orange

(iv) Geography & Demography

Sr.No.	Title	District Ferozepur	Punjab State
1.	Area (Sq Km)	2190	50,362
2.	Population (in Lakh)	9.16	277.04
3.	Rural Population (in Lakh)	6.74	173.2
4.	Urban Population (In Lakh)	2.42	103.84
5.	% Increase in Population (2001-2011) Decennial Growth rate	11.28	13.55
6.	Density of Population (per Sq km)	380	550
7.	Literacy %	79.53	76.7

8.	Sex Ratio (Females per thousand)	894	893
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The total area of District Ferozepur is 2190 km² having population 9.16lakhs. The rural population of District Ferozepur is 6.74 lakh and urban population of District Ferozepur is 2.42 Lakh. The literacy rate of District Ferozepur is 79.53 %.

(v) Land-use pattern

Sr . No.	Title	Data of District Ferozepur (2020-21)
1.	Total Geographical Area (in Sq km)	2190
2.	Area under Forest (in Ha)	2938.95
3.	Net Area Sown (In Ha)	173,025
4.	Gross Cropped Area (in Ha)	175,203
5.	Total Area irrigated (in Ha)	173,025
6.	% of Net Area irrigated to Total area sown	100%

The total Geographical Area of District Ferozepur is 2190 km². The Net area sown & irrigated is 173,025 hectare. The gross cropped area is 175,203hectare of District Ferozepur as per financial year 2020-21. The total reserved forest area of district Ferozepur is 2938.95 hectare.

(vi) Climate

The normal annual rainfall of Ferozepur District is 449 mm in 24 days which is unevenly distributed over the district. The southwest monsoon sets in last week of June and withdraws towards end of September and contributes about 78% of annual rainfall. 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.

ACTION PLAN

2. 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(MTperday)
1.	Municipal Council, Ferozepur	33	22151	1,10,313	40
2.	Municipal Council, Zira	17	7566	37,485	8.16
3.	Municipal Council, Guru Har Sahai	15	5935	29,373	6
4.	Municipal Council, Talwandi Bhai	13	3358	17,285	4
5.	Nagar Panchayat, Makhu	13	3073	14,664	4
6.	Nagar Panchayat, Mudki	13	2156	10,415	3
7.	Nagar Panchayat, Mallanwala Khas	13	3363	16,183	4
8.	Nagar Panchayat, Mamdot	13	1386	6,667	3
	Total	130	48,988	2,42,385	72.16

Sr. No.	Local Bodies	No of Village Panchayats /Blocks	No of Households	Population	Solid Waste Generated per day (MT)
1.	No of Villages Panchayats	836 /6	83,758	6.74 lakhs	180

(b) Identification of gaps and Acton plan:

Sr. No.	Action points For villages /blocks/town municipalities / City corporations	Identification of gap	Action Plan	Responsible agencies	Timeline for completion of activity
1.	Segregation				
I.	Municipal Council, Ferozpur	Achievement-100%	Door to door awareness regarding source segregation and home composting is being done	EO, MC Ferozpur	Activity completed
II.	Municipal Council, Zira	Achievement-100%	Door to door awareness regarding source segregation and home composting is being done	EO, MC Zira	Activity completed
III.	Municipal Council, Guru Har Sahai	Achievement-100%	Door to door awareness regarding source segregation and home composting is being done	EO, MC Guru Har Sahai	Activity completed
IV.	Municipal Council, Talwandi Bhai	Achievement-100%	Door to door collection is 100 % and awareness regarding source segregation and home composting is being done	EO, MC Talwandi Bhai	Activity completed
V.	Nagar Panchayat, Makhu	Achievement-100%	Door to door awareness regarding source segregation and home composting is being done	EO NP Makhu	Activity completed
VI.	Nagar Panchayat, Mudki	Achievement-100%	Door to door awareness regarding source segregation and home composting done.	EO NP Mudki	Activity completed
VII.	Nagar Panchayat, Mallanwala Khas	Achievement-100%	Door to door awareness regarding source segregation and home composting is being done	EO NP Mamdot	Activity completed

VIII.	Nagar Panchayat, Mamdot	Achievement-100%	Door to door awareness regarding source segregation and home composting Is being done	EO NP Mamdot	Activity completed
IX.	Villages Panchayat : 836	Achievement-Not adequate	Action Plan prepare. At present civil structure for Solid waste management such as compost pits and material recovery facility shed have been constructed in 23 no. villages and operation of the sites as well as related activities shall be start by 31.10.2023.	DDPO	Implementation By 31.12.23 = 165 village panchayats By 31.12.24 = 330 village panchayats By 31.12.25 = 495 village panchayats By 31.12.26 = 660 village panchayats By 31.12.27 = 836 village panchayats
2.	Sweeping				
(i)	Manual Sweeping				
I.	Municipal Council, Ferozepur	100% sweeping being done	For Manual sweeping twice in a day time and once in night time be carried out in residential area and commercial area	EO, MC Ferozepur	Routine activity
II.	Municipal Council, Zira	100% sweeping being done	For Manual sweeping twice in a day time and once in night time be carried out in residential area and commercial area	EO, MC Zira	Routine activity
III.	Municipal Council, Guru Har Sahai	100% sweeping being done,	For Manual sweeping twice in a day time and once in night time be carried out in residential area and commercial area	EO, MC Guru Har Sahai	Routine activity
IV.	Municipal Council, Talwandi Bhai	100% sweeping being done	For Manual sweeping twice in a day time and once in night time be carried out in residential area and commercial area	EO, MC Talwandi Bhai	Routine activity
V.	Nagar Panchayat,	100% sweeping being done	For Manual sweeping twice in a day time and once in night time	EO NP Makhu	Routine activity

	Makhu		be carried out in residential area and commercial area		
VI.	Nagar Panchayat, Mudki	100% sweeping being done	For Manual sweeping twice in a day time and once in night time be carried out in residential area and commercial area	EO NP Mudki	Routine activity
VII.	Nagar Panchayat, Mallanwala Khas	100% sweeping being done	For Manual sweeping twice in a day time and once in night time be carried out in residential area and commercial area	EO NP Mallanwala Khas	Routine activity
VIII.	Nagar Panchayat, Mamdot	100% sweeping being done	For Manual sweeping twice in a day time and once in night time be carried out in residential area and commercial area	EO NP Mamdot	Routine activity
IX.	Villages Panchayat : 836	10% sweeping being done. 90% road is not Covered.	More manpower is being deployed. At present civil structure for Solid waste management such as compost pits and material recovery facility shed have been constructed in 23 no. villages and operation of the sites as well as related activities shall be start by 31.10.2023.	DDPO	Implementation By 31.12.23 = 165 village panchayats By 31.12.24 = 330 village panchayats By 31.12.25 = 495 village panchayats By 31.12.26 = 660 village panchayats By 31.12.27 = 836 village panchayats
(ii)	Mechanical Road and Sweeping Collection	• MC Ferozepur has purchased mechanical sweeping machine.	Mechanical sweeping being done	EO, MC Ferozepur	Activity completed
3	Waste Collection				
(i)	100% collection of solid waste	<ul style="list-style-type: none"> • 100% D to D is achieved by all MCs/NPs • Village Panchayats (836) = Not adequate 	<ul style="list-style-type: none"> • To maintain 100% D to D by ULBs • Action Plan prepared. At present civil structure for Solid waste management such as compost pits and 	<ul style="list-style-type: none"> • ULBs • ADC (D) / DDPO / XEN Panchayati Raj 	<ul style="list-style-type: none"> • Regular activity Implementation By 31.12.23 = 165 village panchayats By 31.12.24 = 330 village

			material recovery facility shed have been constructed in 23 no. villages and operation of the sites as well as related activities shall be start by 31.10.2023.		panchayats By 31.12.25 = 495 village panchayats By 31.12.26 = 660 village panchayats By 31.12.27 = 836 village panchayats
(ii)	Arrangement for door to door collection	<ul style="list-style-type: none"> By providing waste collection trolleys & tricycle with compartments in each ward of MC/NP <p>MC Ferozepur Required-115 Provided-100 Gap-15</p> <p>MC Zira- Required-35 Provided-30 Gap-5</p> <p>MC Guru Har Sahai Required-18 Provided-12 Gap-6</p> <p>MC Talwandi Bhai Required-20 Provided-15 Gap-5</p> <p>NP Makhu Required-14 Provided-10 Gap-4</p> <p>NP Mudki Required-11 Provided-8</p>	<ul style="list-style-type: none"> As per requirement, manpower and mechanical arrangements will be increased to ensure 100% D to D collection. 	<ul style="list-style-type: none"> ULBs 	<p>MC Ferozepur 31-10-2023</p> <p>MC Zira- 31-10-2023</p> <p>MC Guru Har Sahai 31-10-2023</p> <p>MC Talwandi Bhai 31-10-2023</p> <p>NP Makhu 31-10-2023</p> <p>NP Mudki 31-10-2023</p>

		<p>Gap-3 NP Mallanwala Khas Required-30 Provided-15 Gap-15 NP Mamdot Required-12 Provided-7 Gap-5</p> <ul style="list-style-type: none"> In villages Required -836 Available - Nil 	<ul style="list-style-type: none"> Action Plan prepared. At present civil structure for Solid waste management such as compost pits and material recovery facility shed have been constructed in 23 no. villages and operation of the sites as well as related activities shall be start by 31.10.2023. 	<ul style="list-style-type: none"> ADC (D) / DDPO / XEN Panchayati Raj 	<p>NP Mallanwala Khas 31-10-2023</p> <p>NP Mamdot 31-10-2023</p> <p>Implementation By 31.12.23 = 165 village panchayats By 31.12.24 = 330 village panchayats By 31.12.25 = 495 village panchayats By 31.12.26 = 660 village panchayats By 31.12.27 = 836 village panchayats</p>
(iii)	Waste Collection trolleys with separate Compartments	<ul style="list-style-type: none"> Waste is being collected through tricycles provided with compartments <p>MC Ferozepur Required-115 Provided-100 Gap-15 MC Zira- Required-35 Provided-30 Gap-5</p>	<ul style="list-style-type: none"> As per requirement, manpower and mechanical arrangements will be increased to ensure 100% D to D collection. 	<ul style="list-style-type: none"> ULBs 	<p>MC Ferozepur 31-10-2023</p> <p>MC Zira- 31-10-2023</p>

		<p>MC Guru Har Sahai Required-18 Provided-12 Gap-6</p> <p>MC Talwandi Bhai Required-20 Provided-15 Gap-5</p> <p>NP Makhu Required-14 Provided-10 Gap-4</p> <p>NP Mudki Required-11 Provided-8 Gap-3</p> <p>NP Mallanwala Khas Required-30 Provided-15 Gap-15</p> <p>NP Mamdot Required-12 Provided-7 Gap-5</p> <ul style="list-style-type: none"> • In villages Required -836 • Available - Nil 	<ul style="list-style-type: none"> • Action Plan prepared. At present civil structure for Solid waste management such as compost pits and material recovery facility shed have been constructed in 23 no. villages and operation of the sites as well as related activities shall be start by 31.10.2023. 	<ul style="list-style-type: none"> • ADC (D) / DDPO / XEN Panchayati Raj 	<p>MC Guru Har Sahai 31-10-2023</p> <p>MC Talwandi Bhai 31-10-2023</p> <p>NP Makhu 31-10-2023</p> <p>NP Mudki 31-10-2023</p> <p>NP Mallanwala Khas 31-10-2023</p> <p>NP Mamdot 31-10-2023</p> <p>Implementation By 31.12.23 = 165 village panchayats By 31.12.24 = 330 village panchayats By 31.12.25 = 495 village panchayats By 31.12.26 = 660 village panchayats By 31.12.27 = 836 village panchayats</p>
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(iv)	Mini Collection Trucks with separate compartments	<ul style="list-style-type: none"> Mini collection trucks provided with separate compartments MC Ferozepur Required-4 Provided-0 Gap-4 MC Zira- Required-1 Provided-1 Gap-0 MC Guru Har Sahai Required-0 Provided-0 Gap-0 MC Talwandi Bhai Required-0 Provided-0 Gap-0 NP Makhu Required-0 Provided-0 Gap-0 NP Mudki Required-0 Provided-0 Gap-0 NP Mallanwala Khas Required-0 Provided-0 Gap-0 NP Mamdot Required-0 Provided-0 Gap-0 In villages Required -836 Available - Nil 	<ul style="list-style-type: none"> As per requirement, waste collection trucks will be increased to ensure 100% D to D collection. <p>In villages – Action Plan prepared. At present civil structure for Solid waste management such as</p>	<ul style="list-style-type: none"> ULBs <p>ADC (D) / DDPO / XEN Panchayati Raj</p>	<p>MC Ferozepur 31-10-2023</p> <p>Activity completed</p> <p>As per requirement , Mini Collection trucks only required in MC Ferozepur and zira.</p> <p>Implementation By 31.12.23 = 165 village panchayats By 31.12.24 = 330 village</p>
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			compost pits and material recovery facility shed have been constructed in 23 no. villages and operation of the sites as well as related activities shall be start by 31.10.2023.		panchayats By 31.12.25 = 495 village panchayats By 31.12.26 = 660 village panchayats By 31.12.27 = 836 village panchayats
(v)	Waste Deposition centers (WDC) (for domestic hazardous wastes)				
I.	Municipal Council, Ferozepur	Required =2 Installed = 2 Cabin in waste collection vehicle for collection of domestic hazardous waste- provided	Waste deposition centre has been provided and Agreement with hazardous waste treatment facility/Bio medical waste facility being made.	EO, MC Ferozepur	Activity Completed
II.	Municipal Council, Zira	Required = 1 Installed = 1 Cabin in waste collection vehicle for collection of domestic hazardous waste- provided	Waste deposition centre has been provided and Agreement with hazardous waste treatment facility/Bio medical waste facility being made.	EO, MC Zira	Activity Completed
III.	Municipal Council, Guru Har Sahai	Required = 1 Installed = 1 Cabin in waste collection vehicle for collection of domestic hazardous waste- provided	Waste deposition centre has been provided and Agreement with hazardous waste treatment facility/Bio medical waste facility being made.	EO, MC Guru Har Sahai	Activity Completed
IV.	Municipal Council,	Required = 1	Waste deposition centre has	EO, MC	Activity Completed

	Talwandi Bhai	Installed = 1 Cabin in waste collection vehicle for collection of domestic hazardous waste-provided	been provided and Agreement with hazardous waste treatment facility/Bio medical waste facility being made.	Talwandi Bhai	
V.	Nagar Panchayat, Makhu	Required = 1 Installed = 1 Cabin in waste collection vehicle for collection of domestic hazardous waste-provided	Waste deposition centre has been provided and Agreement with hazardous waste treatment facility/Bio medical waste facility being made.	EO NP Makhu	Activity Completed
VI.	Nagar Panchayat, Mudki	Required = 1 Installed = 1 Cabin in waste collection vehicle for collection of domestic hazardous waste-provided	Waste deposition centre has been provided and Agreement with hazardous waste treatment facility/Bio medical waste facility being made.	EO NP Mudki	Activity Completed
VII.	Nagar Panchayat, Mallanwala Khas	Required = 1 Installed = 1 Cabin in waste collection vehicle for collection of domestic hazardous waste-provided	Waste deposition centre has been provided and Agreement with hazardous waste treatment facility/Bio medical waste facility being made.	EO NP MallanwalaKhas	Activity Completed
VIII.	Nagar Panchayat, Mamdot	Required = 2 Installed = 2 Cabin in waste collection vehicle for collection of domestic	Waste deposition centre has been provided and Agreement with hazardous waste treatment facility/Bio medical waste facility being made.	EO NP Mamdot	Activity Completed

		hazardous waste-provided			
IX.	Villages Panchayat (836)	Required= 836 Installed=0	Action Plan prepared. At present civil structure for Solid waste management such as compost pits and material recovery facility shed have been constructed in 23 no. villages and operation of the sites as well as related activities shall be start by 31.10.2023.	ADC (D) / DDPO / XEN Panchayati Raj	Implementation By 31.12.23 = 165 village panchayats By 31.12.24 = 330 village panchayats By 31.12.25 = 495 village panchayats By 31.12.26 = 660 village panchayats By 31.12.27 = 836 village panchayats
4	Waste Transport				
(i)	Review existing Infrastructure	<ul style="list-style-type: none"> Waste transport vehicles MC Ferozepur Required-21 Provided-21 Gap-0 MC Zira- Required-2 Provided-2 Gap-0 MC Guru Har Sahai Required-5 Provided-5 Gap-0 MC Talwandi Bhai Required-3 Provided-3 Gap-0 NP Makhu Required-2 Provided-2 	Adequate	MCs/NPs	<p>Activity completed</p> <p>Activity completed</p> <p>Activity completed</p> <p>Activity completed</p> <p>Activity completed</p>

		<p>Gap-0 NP Mudki Required-1 Provided-1 Gap-0 NP Mallanwala Khas Required-11 Provided-11 Gap-0 NP Mamdot Required-2 Provided-2 Gap-0</p> <ul style="list-style-type: none"> • In villages Required -836 • Available - Nil 			<p>Activity completed</p> <p>Activity completed</p> <p>Activity completed</p> <p>Implementation By 31.12.23 = 165 village panchayats By 31.12.24 = 330 village panchayats By 31.12.25 = 495 village panchayats By 31.12.26 = 660 village panchayats By 31.12.27 = 836 village panchayats</p>
(ii)	Bulk Waste Trucks	Not Required	Not Required	ADC (D) / DDPO / XEN Panchayati Raj	Activity completed
(iii)	Waste Transfer points	<ul style="list-style-type: none"> • Waste transfer points with boundary wall <p>MC Ferozpur Required-5 Provided-5 Gap-0 Status of boundary wall.</p>	Waste transfer points will be replaced by providing two compartmentalized trolley on rotation basis be stationed.	MCs/NPs	30.09.2023

		<p>-constructed</p> <p>MC Zira- Required-3 Provided-3 Gap-0 Status of boundary wall. -constructed</p> <p>MC Guru Har Sahai Required-3 Provided-3 Gap-0 Status of boundary wall. -constructed</p> <p>MC Talwandi Bhai Required-3 Provided-3 Gap-0 Status of boundary wall. -constructed</p> <p>NP Makhu Required-2 Provided-2 Gap-0 Status of boundary wall. -constructed</p> <p>NP Mudki Required-2 Provided-2 Gap-0 Status of boundary wall. -constructed</p>			<p>30.09.2023</p> <p>30.09.2023</p> <p>30.09.2023</p> <p>30.09.2023</p> <p>30.09.2023</p>
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		<p>NP Mallanwala Khas Required-2 Provided-2 Gap-0 Status of boundary wall. -constructed</p> <p>NP Mamdot Required-2 Provided-2 Gap-0 Status of boundary wall. -constructed</p> <ul style="list-style-type: none"> In villages Required -836 Available - Nil 	<p>Action Plan prepared. At present civil structure for Solid waste management such as compost pits and material recovery facility shed have been constructed in 23 no. villages and operation of the sites as well as related activities shall be start by 31.10.2023.</p>	<p>ADC (D) / DDPO / XEN Panchayati Raj</p>	<p>30.09.2023</p> <p>30.09.2023</p> <p>Implementation By 31.12.23 = 165 village panchayats By 31.12.24 = 330 village panchayats By 31.12.25 = 495 village panchayats By 31.12.26 = 660 village panchayats By 31.12.27 = 836 village panchayats</p>
5	Waste Treatment and Disposal				
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules).	<p>Status of composting by Bulk waste generators generator</p> <p>MC Ferozepur Required-11 Bulk waste generators identified and arrangement being</p>	Composting will be get done from them or agreement will be signed. Agreement will be signed for management of dry waste	MC/NP	31.10.2023

		made for management of dry waste MC Zira- Required-4 Bulk waste generators identified and arrangement being made for management of dry waste			31.10.2023
		MC Guru Har Sahai Required-2 Bulk waste generators identified and arrangement being made for management of dry waste			31.10.2023
		MC Talwandi Bhai Required-5 Bulk waste generators identified and arrangement being made for management of dry waste			31.10.2023
		NP Makhu Required-2 Bulk waste generators identified and arrangement being made for management of dry waste			31.10.2023
		NP Mudki Required-2 Bulk waste generators identified and arrangement being made for management of dry waste			31.10.2023
		NP Mallanwala Khas Required-1 Bulk waste generators identified and arrangement being made for management of dry waste			31.10.2023
		NP Mamdot			31.10.2023

		Required-5 Bulk waste generators identified and arrangement being made for management of dry waste			
(ii)	Wet-waste Management: Facilities for central Bio-methanation/ Composting of wets waste.				
I.	Municipal Council, Ferozepur	130 Compost pits provided. Functional and adequate	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, MC Ferozepur	Activity Completed
II.	Municipal Council, Zira	47 Compost pits provided. Functional and adequate	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, MC Zira	Activity Completed
III.	Municipal Council, Guru Har Sahai	24 Compost pits provided. Functional and adequate	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, MC Guru Har Sahai	Activity Completed
IV.	Municipal Council, Talwandi Bhai	26 Compost pits provided. Functional and adequate	Already provided required no. of compost pits, however, its effective use will be ensured.	EO, MC Talwandi Bhai	Activity Completed
V.	Nagar Panchayat, Makhu	22 Compost pits provided. Functional and adequate	Already provided required no. of compost pits, however, its effective use will be ensured.	EO NP Makhu	Activity Completed
VI.	Nagar Panchayat, Mudki	22 Compost pits provided. Functional and adequate	Already provided required no. of compost pits, however, its effective use will be ensured.	EO NP Mudki	Activity Completed
VII.	Nagar Panchayat, Mallanwala Khas	26 Compost pits provided. Functional and adequate	Already provided required no. of compost pits, however, its effective use will be ensured.	EO NP Mallanwala Khas	Activity Completed
VIII.	Nagar Panchayat, Mamdot	20 Compost pits provided. Functional and adequate	Already provided required no. of compost pits, however, its effective use will be ensured.	EO NP Mamdot	Activity Completed
IX.	Villages Panchayat : 836	Not Adequate	Action Plan prepared. At present civil structure for Solid waste management such as compost pits and material recovery facility shed have been constructed in 23 no. villages and	ADC (D) / DDPO / XEN Panchayati Raj	Implementation By 31.12.23 = 165 village panchayats By 31.12.24 = 330 village panchayats By 31.12.25 = 495 village panchayats

			operation of the sites as well as related activities shall be start by 31.10.2023.		By 31.12.26 = 660 village panchayats By 31.12.27 = 836 village panchayats
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	<p>MC Ferozpur Required-2 Provided-2 Gap-0</p> <p>MC Zira- Required-1 Provided-1 Gap-0</p> <p>MC Guru Har Sahai Required-1 Provided-1 Gap-0</p> <p>MC Talwandi Bhai Required-1 Provided-1 Gap-0</p> <p>NP Makhu Required-1 Provided-1 Gap-0</p> <p>NP Mudki Required-1 Provided-1 Gap-0</p> <p>NP Mallanwala Khas Required-1 Provided-1 Gap-0</p> <p>NP Mamdot Required-2 Provided-2 Gap-0</p>	All MCs/NPs have provided required no. of Material Recovery Facilities.	Dept. of Local Govt.	Activity already completed

		Villages Panchayat : 836	Action Plan prepared. At present civil structure for Solid waste management such as compost pits and material recovery facility shed have been constructed in 23 no. villages and operation of the sites as well as related activities shall be start by 31.10.2023.	ADC (D) / DDPO / XEN Panchayati Raj	Implementation By 31.12.23 = 165 village panchayats By 31.12.24 = 330 village panchayats By 31.12.25 = 495 village panchayats By 31.12.26 = 660 village panchayats By 31.12.27 = 836 village panchayats
(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	<p>MC Ferozpur Identified-1 Available -0 Gap-1</p> <p>MC Zira- Identified-1 Available -0 Gap-1</p> <p>MC Guru Har Sahai Identified-1 Available -0 Gap-1</p> <p>MC Talwandi Bhai Identified-1 Available -0 Gap-1</p> <p>NP Makhu Identified-1 Available -0 Gap-1</p>	Sites have been identified and be developed scientifically for disposal of inert & non- recyclable wastes .	Dept. of Local Govt.	<p>31.12.2023</p> <p>31.12.2023</p> <p>31.12.2023</p> <p>31.12.2023</p> <p>31.12.2023</p>

		<p>NP Mudki Identified-1 Available -0 Gap-1</p> <p>NP Mallanwala Khas Identified-1 Available -0 Gap-1</p> <p>NP Mamdot Identified-1 Available -0 Gap-1</p> <p>Villages / villages Panchayat -Not provided</p>			<p>31.12.2023</p> <p>31.12.2023</p> <p>31.12.2023</p> <p>DDPO / Panchayati Raj</p> <p>Implementation By 31.12.23 = 165 village panchayats By 31.12.24 = 330 village panchayats By 31.12.25 = 495 village panchayats By 31.12.26 = 660 village panchayats By 31.12.27 = 836 village panchayats</p>
(v)	Remediation of historic / legacy dumpsite				
i.	Municipal Council, Ferozepur	<ul style="list-style-type: none"> • Total legacy waste = 6500 MT • Waste remediated – 6000 MT • Balance – 500 MT 	The machinery like mechanical trammel, JCB has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO, MC Ferozepur	31.12.2023
ii.	Municipal Council, Zira	• Total legacy waste = 25	The machinery like mechanical	EO, MC Zira	31.12.2023

		<p>MT</p> <ul style="list-style-type: none"> • Waste remediated – 22 MT • Balance – 3 MT 	trammel, JCB has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.		
iii.	Municipal Council, Guru Har Sahai	<ul style="list-style-type: none"> • Total legacy waste = 4000 MT • Waste remediated – 800 MT • Balance – 3200 MT 	The machinery like mechanical trammel, JCB has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO, MC Guru Har Sahai	31.12.2023
iv.	Municipal Council, Talwandi Bhai	<ul style="list-style-type: none"> • Total legacy waste = 1600 MT • Waste remediated – 1300 MT • Balance – 300 MT 	The machinery like mechanical trammel, JCB has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO, MC Talwandi Bhai	31.12.2023
v.	Nagar Panchayat, Makhu	<ul style="list-style-type: none"> • Total legacy waste = 3852 MT • Waste remediated – 25 MT • Balance – 3827 MT 	The machinery like mechanical trammel, JCB has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO NP Makhu	31.12.2023
vi.	Nagar Panchayat, Mudki	<ul style="list-style-type: none"> • Total legacy waste = 850 MT • Waste remediated – 485 MT • Balance – 365 MT 	The machinery like mechanical trammel, JCB has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	EO NP Mudki	31.12.2023
vii.	Nagar Panchayat, Mallanwala Khas	<ul style="list-style-type: none"> • Total legacy waste = 50000 MT • Waste remediated – 26 MT • Balance – 49974MT 	Mechanical separator purchased, windrow formed and remediation will be started.	EO NP Mallanwala Khas	31.12.2023
viii.	Nagar Panchayat, Mamdot	<ul style="list-style-type: none"> • Total legacy waste = 936 MT 	The machinery like mechanical trammel, JCB	EO NP Mamdot	Activity completed

		<ul style="list-style-type: none"> Waste remediated – 936 MT Balance – 0 	has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.		
ix.	Villages Panchayat : 836	Not Started	Scheme for treatment of legacy waste in villages is yet to be prepared accordingly.	ADC (D) / DDPO / XEN Panchayati Ra	Implementation By 31.12.23 = 165 village panchayats By 31.12.24 = 330 village panchayats By 31.12.25 = 495 village panchayats By 31.12.26 = 660 village panchayats By 31.12.27 = 836 village panchayats
x.	Involvement of NGOs	Yes	NGOs shall be identified for the purpose.	Department of Local Govt. and DDPO	Regular Activity
xi.	EPR of Producers: Linkage with Producers / Brand Owners	Linkage with Producers / Brand Owners	All the producer/brand owners are being directed to submit the action plan for the disposal of its plastic waste under extended producer responsibility.	Department of Local Govt	31.12.2023
xii.	Authorization of Waste Pickers	<p>Waste Pickers deployed by MC alongwith authorization status</p> <p>MC Ferozpur Identified-100 Authorized-100</p> <p>MC Zira- Identified-35 Authorized-35</p>	As per requirement, authorization of waste pickers will be carried out.	ULBs	Activity completed

		<p>MC Guru Har Sahai Identified-8 Authorized-8</p> <p>MC Talwandi Bhai Identified-13 Authorized-13</p> <p>NP Makhu Identified-13 Authorized-13</p> <p>NP Mudki Identified-5 Authorized-5</p> <p>NP Mallanwala Khas Identified-13 Authorized-13</p> <p>NP Mamdot Identified-7 Authorized-7</p>			
xiii.	Preparation of own by-laws to comply with SWM Rules 2016	<p>All MCs Prepared.</p> <p>DDPO: 836 Villages Panchayat : yet to be prepared</p>	<p>All MCs Prepared.</p> <p>DDPO: Action Plan prepared. At present civil structure for Solid waste management such as compost pits and material recovery facility shed have been constructed in 23 no. villages and operation of the sites as well as related activities shall be start by 31.10.2023.</p>	Department of Local Govt and DDPO	<p>All MCs = Activity Completed</p> <p>Implementation</p> <p>By 31.12.23 = 165 village panchayats</p> <p>By 31.12.24 = 330 village panchayats</p> <p>By 31.12.25 = 495 village panchayats</p> <p>By 31.12.26 = 660 village panchayats</p> <p>By 31.12.27 = 836 village panchayats</p>

xiv.	Removal of garbage vulnerable points(GVPs)	No gap, as activity Completed	All the identified (GVPs) have been removed by the all MCs.	Department of Local Govt and DDPO	Activity Completed
xv.	Provision of greenbelt and boundary wall around solid waste dumping site.	<p>MC Ferozepur Boundary Wall -yes Green Belt- No</p> <p>MC Zira- Boundary Wall -yes Green Belt- No</p> <p>MC Guru Har Sahai Boundary Wall -yes Green Belt- No</p> <p>MC Talwandi Bhai Boundary Wall -yes Green Belt- No</p> <p>NP Makhu Boundary Wall -yes Green Belt- No</p> <p>NP Mudki Boundary Wall -yes Green Belt- No</p> <p>NP Mallanwala Khas Boundary Wall -yes Green Belt- No</p> <p>NP Mamdot Boundary Wall -yes Green Belt- No</p>	The green belt around the boundary wall is yet to be provided and will be completed by 31.03.2022 in each ULB.	Department of Local Govt	<p>MC Ferozepur 31.12.2023</p> <p>MC Zira- 31.12.2023</p> <p>MC Guru Har Sahai 31.12.2023</p> <p>MC Talwandi Bhai 31.12.2023</p> <p>NP Makhu 31.12.2023</p> <p>NP Mudki 31.12.2023</p> <p>NP Mallanwala Khas 31.12.2023</p> <p>NP Mamdot 31.12.2023</p>

xvi.	Providing compartments and GPS tracking in garbage carrying vehicles	Status of providing compartments & GPS tracking in garbage carrying vehicle.	MC/NP are providing compartments & GPS tracking in garbage carrying vehicle	ULBs	Activity completed
		<p>MC Ferozepur Required-21 Provided-21 Gap-0</p> <p>MC Zira- Required-2 Provided-2 Gap-0</p> <p>MC Guru Har Sahai Required-5 Provided-5 Gap-0</p> <p>MC Talwandi Bhai Required-3 Provided-3 Gap-0</p> <p>NP Makhu Required-2 Provided-2 Gap-0</p> <p>NP Mudki Required-1 Provided-1 Gap-0</p> <p>NP Mallanwala Khas Required-11 Provided-11 Gap-0</p> <p>NP Mamdot Required-2 Provided-2 Gap-0</p>			

xvii.	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	Department of Urban Development (for other ULBs):- <ul style="list-style-type: none"> Leachate management will be done simultaneous with Bio- remediation of legacy waste. 	Department of Urban Development	Completion date = 31.12.2023
xviii.	Best practices, including setting up of Control Rooms where citizens can upload photos of garbage which may be looked into by the specified representatives of local bodies, at local level as well as State level. (Directions of Hon'ble NGT in OA no. 606 of 2018 dated 22.07.2019, 28.02.2019, 14.12.2020)	No Gap	Swachhata app is widely used by citizens for complaints related to SWM/SBM, It is resolved and monitored at ULB and state level both. Link for updated Swachhata-MoHUA App: https://play.google.com/store/apps/details?id=com.ichan.gemycity.swachhbharat	All Local bodies	Already in place
xix.	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)	CCTV cameras not installed at dump site of MCs	CCTV cameras will be installed.	All Local bodies	31.12.2023

xx.	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)	<p>MC Ferozepur Not Installed</p> <p>MC Zira- Not installed</p> <p>MC Guru Har Sahai Not installed</p> <p>MC Talwandi Bhai Not installed</p> <p>NP Makhu Not installed</p> <p>NP Mudki Not installed</p> <p>NP Mallanwala Khas Not installed</p> <p>NP Mamdot Not installed</p>	Piezometer will be installed and monitoring will be carried out regular basis.	Local bodies	<p>MC Ferozepur 31.12.2023</p> <p>MC Zira- 31.12.2023</p> <p>MC Guru Har Sahai 31.12.2023</p> <p>MC Talwandi Bhai 31.12.2023</p> <p>NP Makhu 31.12.2023</p> <p>NP Mudki 31.12.2023</p> <p>NP Mallanwala Khas 31.12.2023</p> <p>NP Mamdot 31.12.2023</p>
xxi.	Carcass should be utilized by adopting rendering process or incineration and priority may be given to carcass utilization plants which are run by adopting rendering process. (Directions of Hon'ble NGT in OA no. 465/2019 dated 15.04.2021)	Presently Carcass of dead animals are being given to private contractor by MCs/NPs.	<p>Proposal for utilization of carcass in a scientific manner is under consideration.</p> <p>Short term measure Carcass disposal points will be developed by constructing boundary wall, planting of trees, hedges and other necessary measures to control the nuisance.</p> <p>Long term measure Utilization of Carcass by rendering process</p>	MCs/NPs/DDPO	<p>Short term measure- 31.12.2023</p> <p>Rendering- 30.06.2024</p>

xxii.	Carcass disposal to be done under the supervision Veterinary/Animal Husbandry Department of the State and the Local Bodies. (Directions of Hon'ble NGT in OA no. 465/2019 dated 15.04.2021	No gap	Carcass disposal will be ensured under the supervision of veterinary doctors.	All ULBs	Regular activity
xxiii.	Management of waste water and solid waste by the unauthorized colonies/residential complex/commercial complex developed by Pvt. Colonizers.	Inadequate management of solid waste and liquid waste in these colonies.	Installation of individual STP in unauthorized colonies alongwith sewerage system and arrangement for management of solid waste from unauthorized colony/residential complex/ commercial complex within and outside municipal limits	GLADA, Department of Local Govt.	MC/GLADA/Improvement Trust <ul style="list-style-type: none"> • Identification by 31.10.2023 • Management of solid waste collection & segregation=31.03.2024 • Provision of STPs= 31.03.2024
xxiv.	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. At present civil structure for Solid waste management such as compost pits and material recovery facility shed have been constructed in 23 no. villages and operation of the sites as well as related activities shall be start by 31.10.2023.	ADC (D) / DDPO /	Implementation By 31.12.23 = 165 village panchayats By 31.12.24 = 330 village panchayats By 31.12.25 = 495 village panchayats By 31.12.26 = 660 village panchayats By 31.12.27 = 836 village panchayats

xxv.	Information Education and Communication (IEC) activities in respect of solid waste.	No gap	The IEC activities in this regard are already being done by the concerned departments. Promoters and Residents are informed when the joint team visits their colonies and they are encouraged to follow the solid and liquid waste management rules.	All ULBs	Regular Activity
xxvi.	Constitution of District Environment Committee in view of the constitution provisions under article 243 G, 241 W and 243 ZD read with scheduled 11, 12 & 15 of SWM Rules, 2016.	No gap	Constituted by the State Government.	State Government	Activity completed
xxvii.	Management of carcass in rural area.	Inadequate management of carcass in rural area.	• The matter regarding treatment is being taken up with the State Govt. for formation of State Action Plan. The detailed proposal will be sent to State Government upto 31.03.2022. Village Panchayats will take necessary steps like plantation of trees, hedges and other necessary measures to control nuisance created by animal carcass disposal points.	DDPO	Short term measure- 31.12.2023 Rendering- 30.06.2024

xxviii.	Dry-Waste Management: Material Recovery for dry-waste fraction (RDF)	RDF not available with all the ULBs	Action plan is yet to be prepared	All ULBs	31.03.2024
xxix.	Management of Horticulture Waste in MCs.	<p>Status of compost pits in parks</p> <p>MC Ferozepur No. of parks-3 Compost pit required-15 Provided-15 Gap-0</p> <p>MC Zira- No. of parks-2 Compost pit required-10 Provided-10 Gap-0</p> <p>MC Guru Har Sahai No. of parks: 2 Compost pit required-4 Provided-4 Gap-0</p> <p>MC Talwandi Bhai No. No. of parks-2 Compost pit required-4 Provided-4</p>	All MCs / NPs are providing adequate no. of compost pits for the management of horticulture waste.	MCs/NPs	Activity completed

		<p>Gap-0</p> <p>NP Makhu No. of parks-2 Compost pit required-2 Provided-2 Gap-0</p> <p>NP Mudki No. of parks-1 Compost pit required-2 Provided-2 Gap-0</p> <p>NP Mallanwala Khas No. of parks-1 Compost pit required-1 Provided-1 Gap-0</p> <p>NP Mamdot No. of parks-5 Compost pit required-8 Provided-8 Gap-0</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 Council, Ferozepur	0.72
2.	Municipal Council, Zira	0.20
3.	Municipal Council, Guru Har Sahai	0.1
4.	Municipal Council, Talwandi Bhai	0.17

5.	Nagar Panchayat, Makhu	0.3
6.	Nagar Panchayat, Mudki	0.15
7.	Nagar Panchayat, Mallanwala Khas	0.3
8.	Nagar Panchayat, Mamdot	0.1
	Total	2.04

Sr. no.	Local Bodies	Estimated quantity of Plastic Waste Generated (in MTD)
1	Villages Panchayat : 836	5.75

(b) Identification of gaps and Action plan:

S. No.	Action points For village panchayats/blocks/municipalities/corporations	Identification of gap	Action plan	Agencies Responsible	Target time for Compliance
1.	Door to Door collection of dry waste including Plastic	<ul style="list-style-type: none"> • ULBs= 100%collection. • 836 Villages Panchayats =Not initiated. 	At Present Door to door collection is being done by all ULBs. For villages action plan prepared. At present civil structure for Solid waste management such as compost pits and material recovery facility shed have been constructed in 23 no. villages and operation of the sites as well as related activities shall be start by 31.10.2023.	Dept. of Local Govt. & DDPO	DDPO:- Implementation By 31.12.23 = 165 village panchayats By 31.12.24 = 330 village panchayats By 31.12.25 = 495 village panchayats By 31.12.26 = 660 village panchayats By 31.12.27 = 836 village panchayats

2.	Facilitate organized collection of plastic Waste at Waste transfer point or Material Recovery Facility	<ul style="list-style-type: none"> • Status of collection and MRF facility provided <ul style="list-style-type: none"> MC Ferozepur Required-2 Provided-2 Gap-0 MC Zira- Required-1 Provided-1 Gap-0 MC Guru Har Sahai Required-1 Provided-1 Gap-0 MC Talwandi Bhai Required-1 Provided-1 Gap-0 NP Makhu Required-1 Provided-1 Gap-0 NP Mudki Required-1 Provided-1 Gap-0 NP Mallanwala Khas Required-1 Provided-1 Gap-0 NP Mamdot Required-2 Provided-2 Gap-0 • 836 Villages Panchayats = Not initiated. 	<p>All MCs/NPs have installed required no. Material Recovery Facilities (MRF).</p> <p>Action plan prepared. At present civil structure for Solid waste management such as compost pits and</p>	<p>Dept. of Local Govt. & DDPO</p> <p>ADC (D) / DDPO / XEN Panchayati Raj</p>	<p>Activity completed</p> <p>Implementation By 31.12.23 = 165 village panchayats By 31.12.24 = 330 village</p>
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			material recovery facility shed have been constructed in 23 no. villages and operation of the sites as well as related activities shall be start by 31.10.2023.		panchayats By 31.12.25 = 495 village panchayats By 31.12.26 = 660 village panchayats By 31.12.27 = 836 village panchayats
3.	Plastic Waste collection Centres	<p>MC Ferozepur Required-2 Provided-2 Gap-0</p> <p>MC Zira- Required-1 Provided-1 Gap-0</p> <p>MC Guru Har Sahai Required-1 Provided-1 Gap-0</p> <p>MC Talwandi Bhai Required-1 Provided-1 Gap-0</p> <p>NP Makhu Required-1 Provided-1 Gap-0</p> <p>NP Mudki Required-1 Provided-1 Gap-0</p> <p>NP Mallanwala Khas Required-1 Provided-1 Gap-0</p> <p>NP Mamdot Required-2 Provided-2 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

4.	Awareness and education programs implementation	No gap	Awareness among public for minimizing and recycling PW is being done on regular basis	Dept. of Local Govt.	Regular activity. One camp will be organized quarterly.
5.	Access to Plastic Waste Disposal Facilities	Plastic Waste Disposal Facilities have been provided with all ULBs.	Requirement of Waste to energy plant.	Dept. of Local Govt.	For proposal submitting: 31.12.2023
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)	Regular Activity	Total no. of plastic unit required registration = 1 Total no. of plastic unit obtained registration = 1	PPCB	Activity completed
7.	Development and setting up of infrastructure for segregation, collection, storage, transportation, Processing, and disposal of Plastic Waste either on its own for by engaging agencies or producers. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Inadequate disposal arrangement of plastic waste	Department of Urban Development (for other ULBs):- Recyclable plastic waste is collected, transported and stored separately by all ULBs. Currently such plastic is being stored at MRF. For disposal arrangements, all the ULBs will engage	All Local bodies & DDPO	Department of Urban Development:- 31.12.2023 for all ULBs.
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)	Yet to frame in rural area	MCs = already framed 836 Villages Panchayat =yet to prepared. At present civil structure for Solid waste management such as compost pits and material recovery facility shed have been constructed in 23 no. villages and operation of the sites as well as related	ADC(UD) ADC(D), DDPO / Panchayati Raj	Activity completed Implementation By 31.12.23 = 165 village panchayats By 31.12.24 = 330 village panchayats By 31.12.25 = 495 village

			activities shall be start by 31.10.2023.		panchayats By 31.12.26 = 660 village panchayats By 31.12.27 = 836 village panchayats
9.	Set up, operationalize and co-ordinate for Plastic Waste management in Ruler area. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Inadequate Plastic Waste management in rural area.	Awareness regarding it is being done to the Gram Panchayat for segregation, Collection and transportation will be done with Compartmentalized Rickshaw.	DDPO	Timeline for completion of action plan :- 30.09.2022
10.	Ban on non-recyclable single use polythene bags. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Ban on non-recyclable single use polythene bags	Ban has been already imposed by the State Govt., on sale, purchase, manufacturing and stock of plastic carry bags. The Ministry of Environment, forest And Climate change vide its notification dated 12.08.2021 has banned Single use plastic with effect from 1.07.2022. Further, the guidelines of the Centre and State Govt., regarding banning of single use plastic will be complied with.	ALL Local bodies/PPCB	The Ministry of Environment, forest And Climate change vide its notification dated 12.08.2021 has banned Single use plastic with effect from 1.07.2022. Further, the guidelines of the Centre and State Govt., regarding banning of single use plastic will be complied with.
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)	Gap in arrangement for plastic waste disposal.	Department of Urban Development / DDPO- Recyclable plastic waste is collected, transported and stored separately by all ULBs. Currently such plastic is being stored at MRF. Contract For channelization/	All Local bodies & DDPO	Department of Urban Development (for ULBs):- 31.12.2023 DDPO:- Action plan prepared and activities will be carried out in phased manner

			processing will be signed with the authorized agency for the recycling of the plastic waste.		
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. Camp will be organized of quarterly basis.	Local bodies & DDPO	Regular activity
13.	Encouragement to the education institute to take up waste management in their curriculum and create student project for waste recycling. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	No gap	Already being followed and seminars are being organized.	DEO primary and 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	DDPO	DDPO:- Action plan prepared and activities will be carried out in phased manner
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. It is being ensured that open burning of plastic waste does not take place. Violators are challans.	All local bodies	Regular activity

16.	To ensure proper plastic waste management, industries may be directed to explore the possibilities of use of such wastes in construction of roads. Further industries may also be directed to collaborate with different research institutes to explore such alternatives. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Plastic waste use in construction of roads	Instructions will be given to the industries to explore such activities to department of industries who through research institutes	MCs, ADC(UD)and PWD	31.12.2023
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(iii) C&D Waste Management

(a) Current status related to C&D Waste

Details of Data Requirement	Present Status
Total C&D waste generation in MT per day (As per data from MCs)	0.88
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 activity
1.	Arrangement for separate collection of C&D waste to C&D waste deposition point.	<ul style="list-style-type: none"> Separate collection site in all ULBs provided. <p>In village Achievement- Not adequate</p>	<p>Machinery installed.</p> <p>Scheme will be prepared for separate collection of C&D waste to C&D waste deposition point.</p>	<p>Department of Local Govt.</p> <p>DDPO</p>	<p>Activity Completed</p> <p>Implementation</p> <p>By 31.12.23 = 165 villagepanchayats</p> <p>By 31.12.24 = 330 village panchayats</p> <p>By 31.12.25 = 495 village panchayats</p> <p>By 31.12.26 = 660 village panchayats</p> <p>By 31.12.27 = 836 village panchayats</p>

2.	Whether local authority have fixed user fee on C&D waste and introduced permission system for bulk waste generators who generate more than 20 tons or more in one day or 300 tons per project in a month?	No gap. As per Solid Waste Management Cleanliness and Sanitation Bye laws Dated 11.08.20 Notification no 5/105/2020- 2lg4/139(A) MCs have fixed user fee on C& D waste which is Rs 500 per ton and will put up the proposal regarding permission system for bulk waste generators in next house meeting for approval.	Not required	Department of Local Govt.	Activity Completed
3.	C&D recycling Facility	C & D waste is being managed at C&D collection site and machinery for destruction of waste has been installed. However, no C&D recycling Facility for the District have been installed. Further, with the crusher machine provided for the reduction of size of aggregates etc. The purpose for recycling has been fulfilled.	In case of additional requirement of recycling. Department of Urban Development shall prepare the proposal for installation of recycling facility. Record of material utilized is to be maintained	Dept. of Local Govt.	Recycling facility : 31.10.2023 Record maintenance: 31.12.2023
4.	Usage of recycled C&D waste in non-structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	crusher machine provided for the reduction of size of aggregates etc. The purpose for recycling has been fulfilled.	In case of additional requirement of recycling. Department of Urban Development shall prepare the proposal for installation of recycling facility.	Dept. of Local Govt.	Recycling facility : 31.10.2023 Record maintenance: 31.12.2023
5.	ICE on C&D waste management	No gap	Awareness will be done through media, NGOs on quarterly basis.	Dept. of Local Govt.	Regular activity

(iv) Bio medical Waste Management

(a) Current Status related to biomedical waste

Inventory of BMW in the District	Quantity
Total no. of Bedded Healthcare Facilities	77
Total no. of non-bedded HCF	163
No. of HCFs authorized by SPCBs/PCCs	240
Total No. of veterinary Hospitals/Dispensaries connected with Common Biomedical treatment facility (CBWTF).	240: Hospitals directly connected with CBWTF. 99: Hospitals/Dispensaries connected via nearest block level institutions
Total no. of veterinary Hospitals/ Dispensaries obtained the authorization of Punjab pollution Control Board	99
Total No. of veterinary Hospitals/Dispensaries adopted segregation of BMW through separate colour coded collections bins.	99
Total no. of veterinary Hospitals/Dispensaries complying with BMW Rules, 2016 and Maintaining record of Biomedical waste generation and its disposal to CBWTF.	99
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	251.05 kg/day
Quantity of bio medical waste treated per day	251.05 kg/day

(b) Identification of gaps and Action plan:

S. No.	Action points	Gaps	Action Plan	Responsible agency	Timeline for completion of activity
1.	Inventory and Identification of Healthcare Facilities	<ul style="list-style-type: none"> Total HCFs identified (Bedded + non-bedded)= 240 HCFs authorized by the PPCB=240 	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 Amritsar Enviro-Care Systems Pvt. Ltd., Village Ibban Kalan, Amritsar.	Not required	PPCB	Activity completed
3.	Tracking of Bio-Medical Waste	No Gap. Bar code system is implemented by all HCFs and CBWTFs.	Not required	PPCB	Activity completed
4.	Awareness and education of healthcare staff	No Gap Training has been organized for all stakeholders from time to time. One camp will be organized in a quarter.	Not required	PPCB and Health Department	Regular activity
5.	Adequacy of Funds	No gap	Private HCFs = Funds available Govt., HCFs = Funds Being arranged	Civil Surgeon	31.12.2023
6.	Compliance to Rules by HCFs and CBWTFs	No gap, to check the compliance regular monitoring is being done.	BMW Rules, 2016 are complied with except provisions of ETPs cum STPs	PPCB, HCFs, CBWTF and civil surgeon	Regular activity
7.	District Level Monitoring Committee	District Level Monitoring Committee has been constituted	Meetings are taken on monthly basis District Environment	District Administration and	Regular Activity

			Committee.	PPCB, Civil Surgeon	
8.	Wastewater Treatment	<ul style="list-style-type: none"> Total HCFs Required ETP=77 Total HCF install ETPs=6 	<p>CMO, Ferozpur was directed to provide the ETPs for the remaining Govt. HCFs.</p> <p>PPCB was directed to pursue the private hospitals association for joining the small HCFs for treatment of their wastewater in the effluent treatment plant installed by the nearby big hospital by 30.9.2022.</p>	PPCB/ Civil Surgeon	30.9.2023
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)	<p>Already Being Complied.</p> <ul style="list-style-type: none"> Most of the Hospitals now have provided the digital X-Ray, hence no such waste is generated from digital X-ray. The Hospitals which have not provided the digital x-ray machine have made the agreement with the authorized agency for the disposal of its waste. 	Already Being Complied.	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	4
Quantity of HW in the district (MT/Annum)	141.98
Quantity of Incinerable HW (MT/Annum)	0.2
Quantity of land-fillable HW(MT/Annum)	Nil
Quantity of Recyclable/utilizable HW(MT/Annum)	Recyclable=141.78 Utilizable=0
Nos. of captive/common TSDF	-
Contaminated sites or probable contaminated sites	0
Monitoring of ground water of common TSDF.	No common TSDF falls in the District Ferozepur

(b) Identification of gaps and action plan:

No.	Action points	Identification of Gaps	Action Plan	Responsible agency	Time line for completion of activity
1.	Regulation of industries and facilities generating Hazardous Waste	<ul style="list-style-type: none"> Total industries identified =4 Authorized by the PPCB=4. 	Regular Activity	PPCB	Regular activity
2.	Establishment of collection centers	Each hazardous waste generating industry has provided impervious hazardous waste storage room for temporary storage of hazardous	The industries generating hazardous waste have already executed an agreement with TSDF and authorized recyclers for disposal of hazardous waste. However, a continuous	PPCB	Regular activity

		waste till its final disposal to hazardous waste disposal site	follow up will be made to rule out unscientific disposal of hazardous waste by the industrial unit		
3.	Training of workers involved in handling/recycling/disposal of HW	Industries generating HW already identified	The workers are being trained time to time. One training program will be provided in a quarter.	Department of Industries	Regular activity
4.	Availability/Linkage with common TSDF or disposal facility	The industries generating HW have access to common TSDF in the State. No. of units identified linked with CTSDF =4	The industries generating HW have access to common TSDF in the State.	PPCB	Activity completed
5.	Contaminated Sites	No Contaminated Site	No Contaminated Site	Local Bodies, DDPO and PPCB	No Contaminated Site

(vi) E-Waste Management

(a) Current Status related to E-Waste Management

Details of Data Requirement	Present Status
Inventory of E-Waste in MT/year	0.1
Collection centers established by ULBs in the District	0
Collection centers established by Producers or their PROs	3
Nos. authorized E-Waste recyclers /Dismantler	0

(b) Identification of gaps and action plan:

S. No.	Action points	Gaps in implementation	Action Plan	Responsible agency	Timeline for completion of action plan
1.	Inventory / Generation of E-	Inventorization of E-Waste in	Completion of inventory	PPCB	Regular Activity

	Waste / Bulk-waste generators	the District. Inventory of bulk waste generators is under process.			
2.	E-Waste collection points	Separate collection site in all ULBs is yet to be provided.	Allocation of separate site will be done by each ULB.	Department of Local Govt.	Activity Completed
3.	Linkage among Stakeholders dechannelize-Waste	Linkage among Stakeholders to channelize E-Waste is being done	Work under progress	MC/NP	30.09.2023
4.	Regulation of Illegal E-Waste recycling /dismantling	Not initiated	Surprise visits will be made to identify illegal e-waste recyclers / dismantlers	District Administration &PPCB	30.09.2023
5.	Integration of informal sector	Being done	-	District Administration &PPCB	31.10.2023
6.	Awareness and Education	Regular activity	Quarterly Special workshops and awareness campaigns through Producers/PROs will be carried out.	District Administration &PPCB	Regular Activity
7.	Identification of Producers who have not obtained, EPR Authorization (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	This is a continuous activity and will be followed.	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
8.	Verification of systems provided by producers for collection and channelization of e-waste. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	This is a continuous Activity. All the EPR Authorized Producers will be verified per year.	This is a continuous activity. All the EPR Authorized Producers will be verified per year.	PPCB	Regular activity

9.	Verification of facilities of dismantlers and recyclers for their infrastructure and records. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	This is a continuous activity. All the dismantlers/recyclers will be verified per year.	This is a continuous activity. All the dismantlers/recyclers will be verified per year.	PPCB	Regular activity
10.	Checking of informal trading, dismantling, and recycling of waste. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Regular activity	Quarterly drive will be carried out checking of this activity.	District Administration/PPCB	Regular activity
11.	Facilitate collection and disposal of e-waste. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Regular activity	Mechanism for collection and for incentivizing setting up of recycling facilities will be complied with.	District Administration/PPCB	Regular activity
12.	Governance frame work 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	No gap	State Government has already	PSIEC	Already done

	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)		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.		
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. AIR QUALITY MANAGEMENT

(a) Current Status related to Air Quality Management

Details of Data Requirement	Present Status
Number of Automatic Air Quality monitoring stations in the district. - Operated by SPCB / State Govt / Central govt./PSU agency: - Operated by Industry:	Nil Nil
Number of manual monitoring Stations operated by SPCBs	2
Name of towns/ cities which are failing to comply with national ambient air quality stations	0
Nos. of air polluting industries	225
No. of unit installed APCD	225
Status of Air Consent	225(once granted)
Prominent air polluting sources	Industry, Road dust, transport, Burning of biomass & Vehicular pollution.

(b) Identification of gaps and action plan:

S. No.	Action points	Gap & Indicative Action Plan	Responsible agency	Timeline for completion of activity
1.	Identification of prominent air polluting sources?	Following sources have been identified:- Industry, Road dust, transport, Burning of biomass & Vehicular pollution.	PWD, Agriculture Department & PPCB	Activity Completed
2.	Ambient Air quality data?	The web link of the same is https://ppcb.punjab.gov.in/en/air-quality	PPCB	Completed
3.	Setting up of Continuous Ambient Air Quality Monitoring Station	No CAQM station installed yet as the city does not fall in the list non-attainment cities.	PPCB	Not yet prescribed.
4.	Awareness on Air Quality	Awareness in this regard is being done on regular basis. The data is also given in public domain for awareness to	PPCB	Regular activity

		the public at official website of the PPCB. The web link of the same is https://ppcb.punjab.gov.in/en/air-quality		
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/DFSC	Regular activity
6.	Maintain pothole free roads / timely patchwork on roads	PWD Patchwork of roads is continuous process. As and when potholes develop on roads the same are got repaired as soon as possible.	MCs and PWD	Regular activity
7.	Procurement of Mechanical sweeping machines	<ul style="list-style-type: none"> MC, Firozpur has provided mechanical sweeping machines. 	Dept. of Local Govt.	Regular activity
8.	Plantation of trees along highways, drains, Nallahs in colonies and canals etc.,	<ul style="list-style-type: none"> Plantation has been done already in various urban estates and the further plantation will be done accordingly when new land will be acquired. The industries / STPs were also planted trees during this monsoon. 	MCs / Divisional Forest Officer	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	Regular activity	Dept. of Local Govt.	Regular activity
11.	Existing roads requiring recarpeting	Regular activity	Dept. of Local Govt., PWD, BDA, PSIEC	Regular activity
12.	Public awareness campaign for control of vehicular emissions	The camps are being organized regular basis. Facebook, Twitter & Instagram) is also being used to spread traffic awareness. Quarterly camp will be organized for awareness.	Traffic Police, Transport	Regular activity
13.	Extensive drive against polluting vehicles	The extensive drive against polluting vehicles already initiated by the Police department.	Traffic Police	Regular activity
14.	Prevention parking of vehicles in non-designated areas by enforcement actions	The extensive drive already initiated by the Police department to prevent parking of vehicles in non-designated areas and issuing challans to the violators.	Traffic Police	Regular activity

15.	Phasing out commercial diesel vehicles more than 15 years old	Scheme under consideration.	Transport	Time Target: 31.12.2023
16.	Promotion of E-Vehicles	E-Rickshaw being registered.	Transport	Regular activity
17.	Infrastructure development for additional of CNG based autos/taxis	Regular activity	DFSC	Regular activity
18.	Control of open burning of bio-mass.	Regular inspection is carried out.	Dept. of Local Govt.	Regular activity
19.	Dissemination of Air Quality Index by installing CAAQMS	No CAQM station installed yet as the city does not fall in the list non-attainment cities.	PPCB	Not yet prescribed
20.	Dissemination of Air Quality Index by installing display boards in the city	No CAQM station installed yet as the city does not fall in the list non-attainment cities.	PPCB	Not yet prescribed
21.	Quality Management Division(AQMD) at PPCB (HQ)Establishment of an Air	Work completed	PPCB,	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 is being done by public participation mode.	Department of forest	Regular Activity
24.	Carrying capacity and source apportionment study of non-attainment Cites.	There is no non-attainment city falls under the jurisdiction of District Ferozepur.	-	-
25.	For development of plantation along the highways.	The area alongside highways where plantation can be done is declared forest area. During suitable season for plantation PWD will coordinate with department of forest for plantation.	PWD / Department of Forest	Regular activity
26.	Steps to be taken for management of agriculture waste/residue	<ul style="list-style-type: none"> Machines for crop residue management have been given to the farmer, to custom hiring centre and to cooperative societies at subsidies 	Agriculture department	Seasonal Activity.

		<p>rates under In-situ Management of Crop residue Scheme.</p> <ul style="list-style-type: none"> • Beside above, IEC activities like farmer training camps, Hoarding and field demonstrations are also being carried out to spread the awareness among farmers through the years. • Agriculture Dept. has so far distributed 5204 crop residue management machines and further distribution is under process as per demand by the Panchayats / Registered farmer groups / individuals / cooperative societies during the harvesting season. 		
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4. WATER QUALITY MANAGEMENT

(a) Water Quality Monitoring

- Current Status related to Water Quality Management

Details of Data Requirement	Present Status
Rivers	1
Length of Coast line (if any)	Nil
Drains	4
Lakes/Ponds	727
Total Quantity of sewage from towns and cities in District	34MLD
Quantity of industrial wastewater	3.88 MLD
Percentage of untreated sewage	20.5%
Ground water polluted area if any	Nil
Polluted river stretches if any	Nil

- Identification of gaps and action plan for water quality monitoring:

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of activity
1.	Inventory of water bodies	Rural = 694 ponds Urban = 8 ponds (as per Action plan for rejuvenation of ponds dated 31.05.2020)	Dept. of Rural Development & Panchayats and Urban Development	Activity completed
2.	Quality of water bodies in the district	The monitoring of rivers, drains are already being carried out and data is being maintained. https://ppcb.punjab.gov.in/en/water-quality	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 https://ppcb.punjab.gov.in/en/action-plans	PPCB, MCs and Dept. of Rural Development & Panchayats.	Regular activity
4.	Protection of river/lake water front	Awareness is being carried out in the public to stop the dumping of solid waste in river/Nallah. Challans are also issued to the violators	Department of urban development and Dept. of Rural Development & Panchayats.	Regular activity
5.	Inventory of sources of water pollution	The sources are already identified and detail of the same is given in Sutlej Action Plan. The Web link of the same is https://ppcb.punjab.gov.in/en/action-plans . Concerned departments shall carry out regular survey of various drains, rivers to identify the sources.	PPCB/ Department of Water Resources	Regular activity
6.	Oil spill disaster management(for coastal districts)	Not applicable	Not applicable	Not applicable
7.	Protection of flood plains	Not applicable	Not applicable	Not applicable
8.	Rejuvenation of groundwater	Action plan for Rain water harvesting prepared	Department of	Regular Activity

		by CGWB. http://cgwb.gov.in/gwresource.html	Water Resources / DDPO/ PUDA	
9.	Complaints redressal system	Mobile App/Online Complaint redressal system already developed. The web link is https://connect.punjab.gov.in/grievance/save	PPCB	Activity Completed

(b) Domestic Sewage

- Identification of gaps and action plan for treatment of domestic sewage

Details of Data Requirement	Present Status
No of Class-II towns	3
No of Class-I towns	1
No of Towns STPs installed	4
No of Towns needing STPs	4
No of ULBs having partial underground sewerage network	1
No of towns not having sewerage network	3
Total Quantity of Sewage generated in District from Class-II cities and above	28 MLD
Quantity of treated sewage flowing into Rivers(directly or indirectly)	27MLD
Quantity of untreated or partially treated sewage(directly or indirectly)	7 MLD
Quantity of sewage flowing into lakes	0
Total available Treatment Capacity	34 MLD

- 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 activity
1.	Sewage Treatment Plants(STPs)	(i) STP Ferozepur : STP of capacity 18 MLD installed	Dept. of Local Govt., ADC(UD) and PWSSB	Activity completed
		(ii) STP Ferozepur : STP of capacity 24 MLD (proposal under preparation)		When DPR gets approved under this scheme, the tendering process will be started and work will be completed within 24 months.
		(iii) STP Zira: STP of capacity 8 MLD installed	Dept. of Local Govt., ADC(UD) and PWSSB	Activity completed
		(iv) STP Makhu: STP of capacity 4 MLD installed	Dept. of Local Govt., ADC(UD) and PWSSB	Activity completed
		(v) STP Talwandi Bhai: STP of capacity 4 MLD installed	Dept. of Local Govt., ADC(UD) and PWSSB	Activity completed
		(vi) STP Guru Har Sahai : STPs of capacity 4 MLD & 1 MLD are under installation	Dept. of Local Govt., ADC(UD) and PWSSB	1 MLD- 31.12.2023 4 MLD- 31.12.2023
		(vii) STP Mallanwala Khas : Yet to be installed Estimate has been prepared of Rs. 17.03Cr. And sent to Head Quarter for approval. For the treatment of sewage of the town, the Nagar Panchayat has provided 4 chambers, having interconnectivity to each other, as components of treatment system based on Seechewal Model. The treatment mechanism has been commissioned.	Dept. of Local Govt., ADC(UD) and PWSSB	When DPR gets approved under this scheme, the tendering process will be started and work will be completed within 24 months. Commissioned

		<p>(viii) STP Mamdot : Yet to be installed</p> <p>DPR amounting to Rs. 13.15 Cr. of main sewer, MPS & STP only is under checking / approval.</p> <p>For the treatment of sewage of the town, the Nagar Panchayat has provided 4 chambers, having interconnectivity to each other, as components of treatment system based on Sechewal Model.</p>	Dept. of Local Govt., ADC(UD) 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>Commissioned</p>
		<p>(ix) STP Mudki : Yet to be installed</p> <p>Estimate has been prepared of Rs. 12.79 Cr. And sent to Head Quarter for approval.</p> <p>Treatment facility in the form of 4 number tanks closed from the top has been provided.</p>	Dept. of Local Govt., ADC(UD) 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>Commissioned</p>

2.	Underground sewerage network	<p>Sewerage network is already being laid out in the cities. The percentage of sewerage laid is as under:-</p> <ol style="list-style-type: none"> 1. Municipal Council, Ferozepur = 100% 2. Municipal Council, Zira = 100% 3. Municipal Council, Guru Har Sahai = 100% 4. Municipal Council, Talwandi Bhai =100% 5. Nagar Panchayat, Makhu = 100% 6. Nagar Panchayat, Mudki = Nil 7. Nagar Panchayat, Mallanwala Khas = Nil 8. Nagar Panchayat, Mamdot = Nil 	Dept. of Local Govt., ADC (UD) & PWSSB	<p>Timeline for completion for sewerage system for</p> <p>NP Mudki: Work shall be completed within 24 months after arrangement of funds.</p> <p>NP Mallanwala Khas: Work shall be completed within 24 months after arrangement of funds.</p> <p>NP Mamdot: Work shall be completed within 24 months after arrangement of funds.</p>
3.	Setting up of real time water quality monitoring system to monitor the quality of water	Installed and in operation	PPCB	Activity completed
4.	<p>Operation and Maintenance of STPs</p> <p>(i) Arranging funds for operation and maintenance of STPs to ensuring regular operation and maintenance of STPs in a professional manner</p>	Completed, no gap	Dept. of Local Govt. and PWSSB	PWSSB has informed that Funds have been tied up.

	(ii) Providing proper in-house laboratory facilities at each STP for maintaining record of characteristics of analysis of untreated as well as treated waste water	Proper in-house laboratory has been provided with the STPs of Ferozepur, Zira, Talwandi Bhai & Makhu	PWSSB	Already completed
5.	Provision of necessary treatment facilities in village ponds so that no untreated or polluted water enters river directly or indirectly through various drains or creeks. (i) Finalization of appropriate technology	Technology already finalized	Department of Rural Development & Panchayats	Activity completed
	(ii) Arrangement of Funds for treatment technology in various villages identified in the Action Plan	No. of village ponds for which funds treatment technology arranged: 36 The work for arrangement of funds for the remaining village is under process.	Department of Rural Development & Panchayats	31.12.2023

	(iii) Reuse of water for agriculture purpose in villages.	No. of village ponds for which irrigation scheme has been implemented: Nil	Department of Rural Development & Panchayats/ Soil conservation department.	Preparation of scheme: 30.09.2023 Implementation for all ponds: 31.03.2024
	(iv) Proper operation and maintenance of treatment facilities installed in village ponds	No. of village ponds for treatment facilities installed: Nil	Department of Rural Development & Panchayats	31.07.2023
6.	Checking of health indices of the inhabitants & maintaining database.	Camps are organized on monthly basis	The Department of Health and Family Welfare	Regular activity
7.	Setting up of additional water bodies/water harvesting structures	Action Plan prepared. At present civil structure for Solid waste management such as compost pits and material recovery facility shed have been constructed in 23 no. villages and operation of the sites as well as related activities shall be start by 31.10.2023.	ADC (D), DDPO/ Xen, Panchayati Raj	Implementation By 31.12.23 = 165 village panchayats By 31.12.24 = 330 village panchayats By 31.12.25 = 495 village panchayats By 31.12.26 = 660 village panchayats By 31.12.27 = 836 village panchayats

8.	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)	Already being followed as per guidelines framed by CPCB	PPCB / Local Govt/ District Administration / Dept. of Fire Safety	Activity completed
9.	Installation of ETP in all big units (marriage halls, banquet halls, party venues etc) which are not connected with the sewer lines. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	<ul style="list-style-type: none"> • Being implemented as per guidelines framed by CPCB. • Total no. of units: 27 • No. of units having installed ETP / STP: Nil, remaining units have provided oil & grease trap followed by septic tank as treatment facility • Gap: Nil. New identification is being done and after identification the units will be directed to provide treatment facility	PPCB	Completed

10.	All the units having kitchen should have proper ducting arrangement. The units using DG sets must have the proper stack height. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	Already being followed as per guidelines framed by CPCB	PPCB	Activity completed
11.	The local authorities/ corporations should carry out inventory of the dairy farms and gaushalas. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	All ULBs have inventory of Gaushala and Dairy farms available with them.	All Local Bodies	Completed

12.	The local bodies/municipal corporations shall publish a public notice in newspapers and on their website for registration of dairy farms and gaushalas per municipal law. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	The Public notice will be given in the Newspaper and on the website of local body for registration of dairy farms and gaushalas	All Local Bodies	Timeline for registration= 30.09.2023
13.	The District Collectors of all the Districts are directed to constitute monitoring committees to monitor the Extraction of Ground Water by the individuals for commercial purposes. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Such Committees has been constituted at state level	District Administration	Completed

14.	<p>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)</p>	Noted for compliance and will be assured.	All local bodies & Department of Rural Development & Panchayats	Regular activity
15.	<p>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)</p>	<p>Water mapping of all the OCS assessment units has been done as per the guidelines of GOI as per GEC-2015 Methodology by taking Block as a Unit of Assessment. The data of years 2015-19 has been taken for assessing the same recently. As per this study out of total 150 Blocks taken for study, 117 Blocks (78%) are "Over-Exploited", 6 Blocks (4%) are "Critical", 10 Blocks (7%) are "Semi-Critical" and 17 Blocks (11%) are in "Safe" category. The water level trends have been computed for last 10 years from 2009-2019 data</p>	Water Resources (Ground water cum NHP wing) and PWRDA	Activity Completed

16.	Water Management Plans need to be prepared for all OCS assessment units in the country based on the mapping data, starting with Overexploited blocks. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Punjab Government has engaged M/s Mekorot, National Water Company of Israel to formulate the Water Conservation and Management Master Plan for the State of Punjab and their final recommendations submitted	Water Resources (Ground water cum NHP wing) and PWRDA	Completed
17.	The Water Management Plans, data on water availability or scarcity and policy of CGWA must be uploaded on its website for transparency and public involvement. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Noted for compliance and will be assured.	PWRDA	Completed

18.	The District Magistrates have been directed to take up one pond per village for its rejuvenation, this year. (Directions of Hon'ble NGT in OA no. 325/2015 dated 18.11.2020)	Total ponds = 694 <ul style="list-style-type: none"> • 54 Amrit Sarovars (new village ponds) have been developed from the given target of 75. • De-silting of existing ponds has been carried out. 	Department of Rural Development & Panchayats	Regular Activity
19.	Active efforts be made in close coordination with technical bodies to tap excess runoff of rivers/canals during rainfall season to recharge old water bodies and retain water in new ponds to be constructed specifically for the purpose (Directions of Hon'ble NGT in OA no. 325/2015 dated 18.11.2020)	A proposal will be prepared in coordination with technical bodies to tap excess run of rivers / canals to rainfall season to recharge old water bodies and to retain water in new ponds.	Department of Water Resources (Drainage)	Timeline for identification : 31.10.2023 Timeline for completion :31.10.2026

20.	Land owning agencies must ensure that every water body has unique ID for its identification. There should be retagging of the water bodies to prevent encroachment. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Already implemented	Drainage Department	Activity Completed
21.	Awareness among public to set up Rainwater Harvesting System and about its utility should be enhanced. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Public announcements done regarding rain water harvesting time to time by all ULBs.	Local Bodies	Regular Activity

22.	Installation of STP will be mandatory for all residential apartments/group housing societies where groundwater requirement is more than 20 m ³ /day for getting NOCs. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Directions being already followed.	Department of urban development /GLADA	Regular Activity
23.	Comprehensive plan to install flow meters at various locations to carry out daily real time monitoring of the city's water supply network. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Directions will be followed. Time line for Preparation of plan = 31.03.2022.	Local Govt., ADC (UD)& PWSSB, Public Health	31.12.2023.

24.	Control of illegal extraction of groundwater. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Efforts are being made to control illegal extraction of ground water. Inspection regarding same is being done time to time by ULBs	All Local Bodies	Regular Activity
25.	Review of District Environmental Plan activities at different levels of District Heads and District Magistrate. (Directions of Hon'ble NGT in OA no. 360/2018 dated 05.07.2021)	The Activities of District Environmental Plan will be reviewed on monthly basis by the District Heads and at the level of District Magistrate Ferozepur.	District Heads of concerned departments and District Administration.	<ul style="list-style-type: none"> • Monthly Meetings shall be taken by District Head of concerned department for the review of activities of this plan and nodal officer of concerned department will submit the reports to the District Environment Committee and PPCB on monthly basis. • Monthly Meetings shall be taken by the District Administration along-with District Environment Committee.
26.	Appointment of Nodal officer with contact number	All the departments have appointment the Nodal officer and list is attached as Annexure-X	All concerned departments	Completed

27.	Preparation of operational manual of STPs for the effective and efficient operation of the STPs of the state.	It is under preparation.	PPCB	Completed
28.	Enhancement of capacity of existing ponds/ water bodies and creating of new water harvesting structures.	A. Existing Ponds(Total) = 694 B. No. of Ponds whose Capacity has been enhanced = 40 by de-silting C. New ponds = Nil Source of Funds above activities: Gram Panchayat Fund, Finance Commission, MGNrega.	Department of Rural Development & Panchayats	Timeline: 31.10.2023
29.	Usage of treated sewage for sprinkling purposes for sweeping of roads to control dust pollution.	Yet to be started	Local Govt.	Regular activity
30.	Utilization of STPs sludge	STP sludge issued to the farmers as manure.	Dept. of Local Govt. / PWSSB	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	Policy approved and notification is yet to be issued

32.	Reuse of treated effluent through existing STPs (OA no. 496/2016 dated 22.01.2021)	<ul style="list-style-type: none"> • STPs where Irrigation schemes have been completed and working = 0 • Irrigation schemes are yet to provided/work under process =4 <ol style="list-style-type: none"> 1. STP Ferozepur (18 MLD):Survey done for underground pipeline and estimate will be prepared by Punjab Irrigation & Farm solution Mullanpur (LDH). Funds were demanded for this project. 2. STP Talwandi Bhai (4 MLD) : Estimate of amount 1,41,41,688/- sanctioned by the department. Tender of this project allotted to Punjab Irrigation & Farm solution Mullanpur (LDH). 3. STP Zira (8 MLD) : Estimate of amount 3,04,26,735/- sanctioned by the department. Tender of this project allotted to Punjab Irrigation & Farm solution Mullanpur (LDH) . Work of jointing of HDPE pipe started by the firm, 4. STP Makhu (4 MLD) : Survey done for under ground pipeline and estimate will be prepared by Punjab Irrigation & Farm solution Mullanpur (LDH). Funds were demanded for this project. 5. STPs of Guru Har Sahai (4 MLD& 1 MLD) : STP yet to be commissioned. 6. Mamdot : STP yet to be commissioned. 	Department of Soil conservation, ULBs/PWSSB	<p>31.12.2023</p> <p>31.12.2023</p> <p>31.12.2023</p> <p>31.12.2023</p> <p>Preparation of scheme; 30.09.2023 Implementation: 30.06.2024</p> <p>Preparation of scheme; 30.09.2023 Implementation: 30.09.2025</p>
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		7. Mallanwala Khas : STP yet to be commissioned. 8. Mudki : STP yet to be commissioned.		Preparation of scheme; 30.09.2023 Implementation: 30.09.2025 Preparation of scheme; 30.09.2023 Implementation: 30.09.2025
33.	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.	<ul style="list-style-type: none"> Total STP=4 OCEMS Provided=4 	PWSSB	Already done
34.	Activity w.r.t. In-situ remediation technology to be provided in the drains carrying untreated sewage.	MC Mallanwala khas, Mamdot and Mudki has provided pond based treatment	MCs/NPs	Activity completed

5. INDUSTRIAL WASTE WATER MANAGEMENT

(a) Current Status related to Industrial Waste water Management

Number of Red, Orange, Green and White industries in the District	Red Category unit=29, Orange Category unit =243, Green Category unit=19
No of Industries discharging wastewater	44
Total Quantity of industrial wastewater generated	3.89 MLD
Quantity of treated industrial waste water discharged into Nalas/ Rivers	Nil
Common Effluent Treatment Facilities	Installed =0 Under installation= 0
No of Industries meeting Standards	Regular activity, as industries are being monitored as per protocol prescribed by CPCB / PPCB
No of Industries not meeting discharge Standards	Regular activity, as industries are being monitored as per protocol prescribed by CPCB / PPCB

(b) Identification of gaps and action plan for industrial wastewater:

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of activity
1.	Compliance to discharge norms by Industries	Necessary action is being taken against the industries not meeting the standards.	PPCB	Regular activity
2.	Complaint redressal system	Online compliant system already developed and web link is https://connect.punjab.gov.in/grievance/save	PPCB	Activity complied
3.	Installation of Electromagnetic flow meters at inlet and outlet of ETP.	44 no. industry have already installed the EMF meters at the outlet of ETP. The industry are being pursued to provide the	PPCB	30.09.2023

		same at the inlet of ETP.		
4.	Inspection of units to check compliance	Inspection already being made	PPCB	Regular activity

6. MINING ACTIVITY MANAGEMENT PLAN

(a) Current Status related to Mining Activity Management

Details of Data Requirement	Existing Mining operations
Type of Mining Activity	Sand Mining
No of licensed Mining operations in the District	22 no.
%Area covered under mining in the District	0.024% of total Distt Area
Area of Sand Mining	52.37 Hect.

(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 22 number locations in district Ferozepur, 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 Ferozepur	Department of water resources	Regular Activity
3.	Environment compliance by Miningindustry	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 lease. (Directions of Hon'ble NGT in OA no. 360/2015 dated	Demarcation of Mining lease has been carried out before granting the final approval to the contractor/leasee and the	Drainage Department	Regular Activity

	26.02.2021)	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	Mining work is being done on basis of	Drainage Department	Regular Activity

	the concerned river and its river beds. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	approved 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 NGT, illegal mining activity is being checked by the teams and such vehicle involved in illegal mining is being confiscated.	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 and remedial measures including surveillance system for recovery of compensation. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	District Administration has constituted Flying Squad Teams for regular checking's and inspections for proper monitoring the illegal mining activity in District & Night Duty Roaster of Diff. Department Official's has been prepared for Night time Inspection has been prepared on monthly basis by District Administration (Ferozepur) Moreover, The process for establishment of Monitoring System in the State by the Head Office, Water Resources Department, Pb. Chandigarh.	Drainage Department	Regular activity
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	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/	Drainage Department	Regular Activity

	26.02.2021)	fencing of the storage/stock yard is done on site and entries of that storage/stock is entered in Govt. Portal. However, during the upcoming moonsoon season more effective measures will be taken up for compliance of this guideline.		
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 transportor, contains a QR Code & can be scanned by any smart phone 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	At present stage no such problem or situation occurs in District Ferozepur &	Drainage Department	Regular Activity

	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 21 with standard terms for preparing environmental restoration plans which could be used directly by the Mining Department without the arduous formalities. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	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 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 Ferozepur is uploaded on the website of District Ferozepur. During the action against illegal mining activity, if any type of vehicle (Tractor Trolley/Truck/Tipper/JCB/Poclaim/ other vehicle) got impounded/seized during the action, after the proper legal procedure taken by the concerned department the such 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	Regular Activity

7. NOISE POLLUTION MANAGEMENT PLAN

(a) Current Status related to Noise Pollution Management

Details of Data Requirement	Measurable Outcome
No. of noise measuring devices available with various agencies in district	Name of agency = Police and PPCB Nos. of analyzers required =9 Nos. of analyzers available =0

(b) Identification of gaps and action plan:

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action Plan
1.	Availability of Sound/Noise Level Meters.	<ul style="list-style-type: none"> Nos. of analyzers required = 9 Nos. of analyzers available = 0 Timeline to arrange balance noise analyzers =1 PPCB & 8 (By Police Department i.e. one meter to each SHO) 	PPCB and Police Department	31.12.2023
2.	Ambient Noise Level monitoring	Two Ambient noise level monitoring stations are installed in District by PPCB.	PPCB/ULBs	Completed
3.	Signboards in Noise zones	Signboards are installed at sensitive zones. More signboard will be installed	ULBs	31.12.2023
4.	Complaint redressing system	Public complaint redressal system already established in the district and web link is https://connect.punjab.gov.in/grievance/save	District Administration, Police Department and PPCB	Completed
5.	Checking of pressure horn of vehicles	Regular checking of vehicle is being done by the police department and same activity will be continued.	Police Department.	Regular activity. The checking will be done twice in a month.

List of Nodal Officers (Annexure-X)

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	Dr. Rajesh Dhiman, IAS	Deputy Commissioner-cum-Chairman of District Environment Committee	98156-03737	dc.fzr@punjab.gov.in
2.	Police Deptt.	Sh. Deepak Hilori, IPS	SSP	82838-77388	ssp.frz.police@punjab.gov.in
3.	District Administration	Sh. Arun Kumar Sharma, PCS	ADC(D), Ferozepur-cum-Nodal Officer	98145-10900	adcdevfzr@yahoo.co.in
4.	Joint Director, Local Bodies Ferozepur	Sh. Kulwant Singh	Joint Deputy Director, Local Bodies	94172-80369	adcudfzr@yahoo.com
5.	Punjab Pollution Control Board	Sh. Anish Sharma	Assistant Environmental Engineer	70873-00291	ppcbfdk@yahoo.com
6.	Regional Transport Authority	Sh. Karanbir Chinna	RTA	98724-26400	rtaferozepur05@gmail.com
7.	Distt. Development and Panchayat Officer, Ferozepur(DDPO)	Sh. Jaswant Singh Braich	DDPO	99884-35333	ddpofzr@gmail.com
8.	District Soil Conservation Officer, Department of Soil & Water Conservation, Ferozepur	Sh. Gurvinder Singh	DSCO	94172-53293	dscofzr@yahoo.com

9.	Executive Engineer, Punjab Water Supply & Sewerage Board, Ferozepur / Moga	Sh. Harsimran Singh	Executive Engineer, Ferozepur	96536-00048	eepwssdfzr@gmail.com
10.	PWD (B&R), Ferozepur	Sh. Inderjeet Singh	Executive Engineer	98764-00313	sdeprovlfzr@gmail.com
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17.	Animal Husbandry	Dr. Himanshu Dyal	Deputy Director	98772-36765	ddahfaridkot@gmail.com
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19.	Director of Factories Ferozepur	Sh. Makhan Singh	Deputy Director of Factories, Faridkot	84370-46942	adf.labmoga@punjab.gov.in