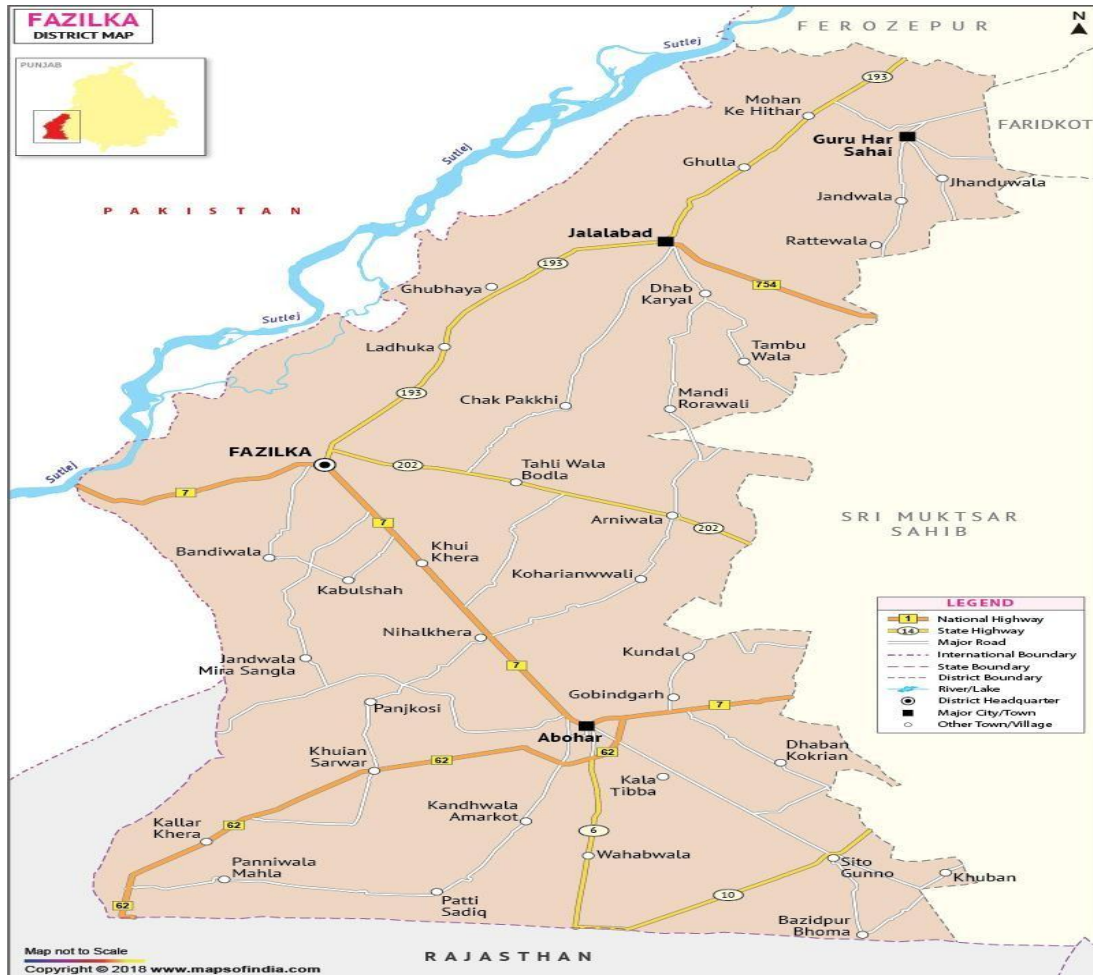


District Environment Plan for Fazilka (State of Punjab)



District Administration -Fazilka (August,2023)

Contents

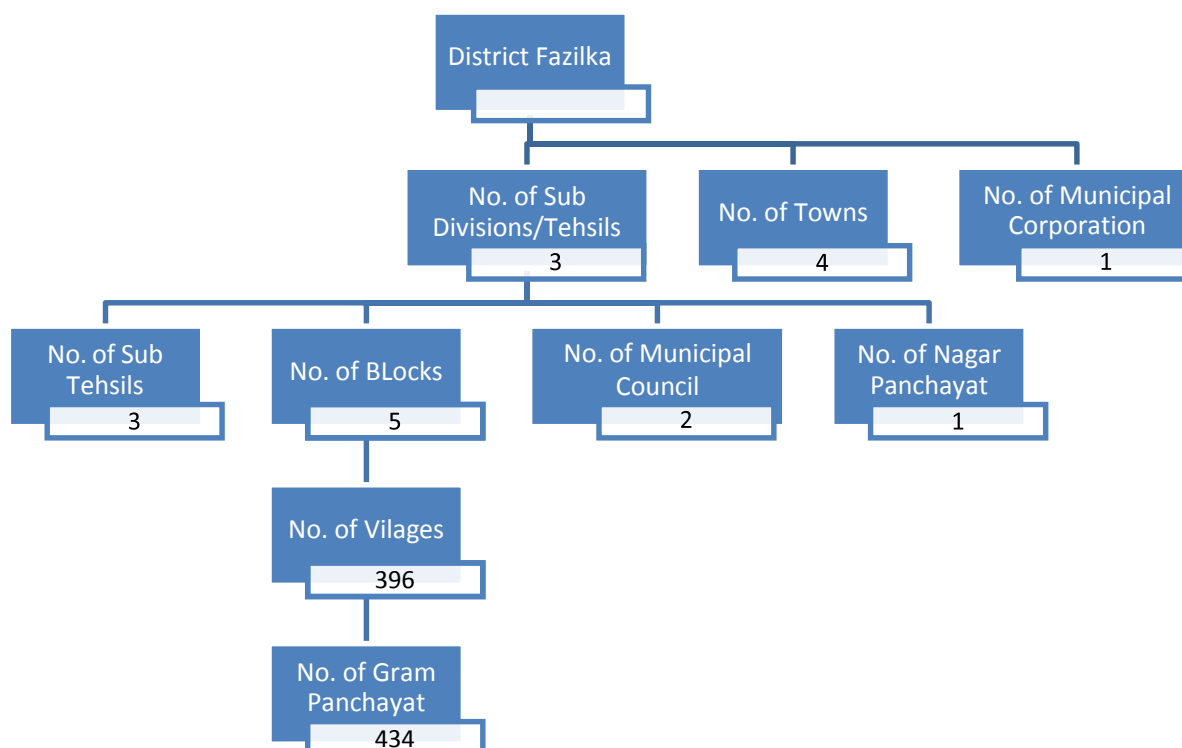
1.0 District Profile	4
a. District Administrative Set-up	4
b. Local institutions	5
c. Natural Resources	5
▪ Water bodies.....	5
▪ Availability of water resources.....	7
▪ Forest coverage.....	7
d. Geography & Demography	7
e. Land-use patter	8
f. Climate	8
2.0 Waste Management Plan.....	10
(i) Solid Waste Management	10
a. Current status related to solid Waste management.....	10
b. Identification of gaps and Action plan	10
(ii) Plastic waste Management.....	33
(a) Current status related to Plastic waste management	33
(b) Identification of gaps and Action plan.....	33
(iii) C &D Waste Management	40
a. Current status related to C&D Waste.....	40
b. Identification of gaps and Action plan	40
(iv) Bio-medical Waste Management	42
a. Current Status related to bio-medical waste	42
b. Identification of gaps and Action plan	42
(v) Hazardous Waste Management	44
a. Current Status related to Hazardous Waste Management.....	44
b. Identification of gaps and action plan.....	44
(vi) E-Waste Management	46
a. Current Status related to E-Waste Management	46
b. Identification of gaps and action plan.....	46
3.0 Air Quality Management.....	49
a. Current Status related to Air Quality Management.....	49
b. Identification of gaps and action plan.....	49
4.0 Water Quality Management	52
4.1 Water Quality Monitoring.....	52

a. Current Status related to Water Quality Management	52
b. Identification of gaps and action plan for water quality monitoring.....	52
4.2 Domestic Sewage.....	53
a. Identification of gaps and action plan for treatment of domestic sewage.....	53
b. Identification of gaps and action plan for treatment of domestic sewage.....	53
5.0 Industrial waste water management.....	63
a. Current Status related to industrial Waste water Management	63
b. Identification of gaps and action plan for industrial waste water	63
6.0 Mining Activity Management plan.....	64
a. Current Status related to Mining Activity Management.....	64
b. Identification of gaps and action plan.....	64
7.0 Noise Pollution Management plan	71
a. Current Status related to Noise Pollution Management	71
b. Identification of gaps and action plan.....	71
List of Nodal Officers (Annexure-1).....	72

1.0 District Profile

On 27 July 2011, the Government of Punjab created new district: Fazilka district by the partition of Ferozepur district. It is located next to the border with Pakistan, the border being to its west. It lies between 30.3730° North to 74.1240° East. It has the district of Ferozepur to its north, Sri Muktsar Sahib to its east and Sri Ganganagar (Rajasthan) to the south and Pakistan to its west. It has an extreme climate, with the summers being very hot and the winters being very cold. The River Sutlej runs adjoining the district and moves over to the Pakistan side through the Indo-Pakistan border. According to the 2011 census, Fazilka district has a population of 1,180,483. Punjabi is the most spoken language of the district and is spoken by the majority of the population. Also Hindi is widely spoken by people in this area.

a. District Administrative Set-up



b. Local institutions

In District Fazilka, there are total 03 Sub-Divisions/Tehsils, 04 towns. There are 03 Sub-Tehsil, 05 Blocks, 01 Municipal Corporation, 02 Municipal Councils and 01 Nagar Panchayats. There are total 396 Villages in the District & have 434 Gram Panchayats.

c. Natural Resources

▪ Water bodies

A creek of River Sutlej having length of about 9.51 kms flows through the district Fazilka downstream of Hussianiwala Headworks entering near village Noor Shah from Pakistan, leaves district Fazilka at village Teja Rohela into Pakistan. However, this creek again enters in district Fazilka in village Muhar Jamsher and finally leaves the district from this same village into Pakistan. This creek finally meets river Sutlej in Pakistan at Sulemanki Headworks in Pakistan. This creek of river Sutlej is non-perennial. Major drains which flow through the district or enters district Fazilka from other districts ultimately meet this creek or river Sutlej in Pakistan. Description of these drains is as under:

Fazilka drainage network

❖ Old Fazilka drain

Old Fazilka drain originates from Fazilka city and enters river Sutlej Creek in Pakistan. The total length of this drain is about 5.7 kms. This drain is carrying sewage of Fazilka city after treatment through Waste Stabilization Ponds/STP. Since this drain culminates in district Fazilka at Indo-Pakistan Border and due to blocking of flow near village Jhanger, it has resulted into accumulation of waste water in large area, forming a pond of approximately 2 kms length near village Gharumi/Beriwala.

❖ Sabuana drain and Ditch Channel-cum-Aspal Extension drain

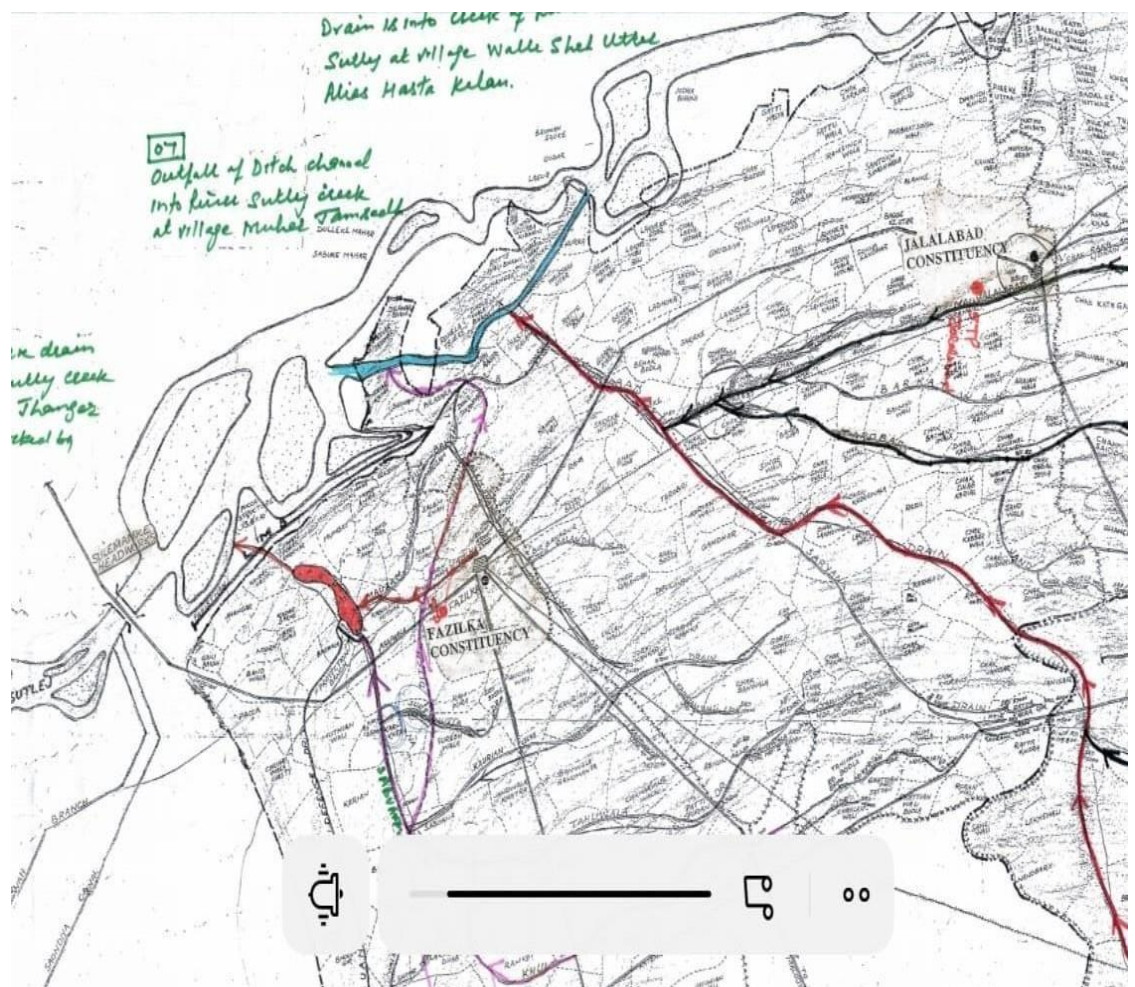
Abul Khurana drain carrying sewage of Abohar city, Malout town, Gidderbaha town and Aspal drain carrying sewage of Arniwala SS town along with other small drains meet at village Sabuana. At this meeting point, Sabuana drain and ditch Channel-cum-Aspal Extension drain originate. Sabuana drain meets Old Fazilka

drain in the pond near village Gharumi whereas ditch channel-cum-Aspal Extension drain (approximate length of 18 kms) meets river Sutlej Creek at Village MuharJamsher. There is a proportionate regulator installed by the Department of Water Resources (Drainage), Fazilka in the Sabuana drain in village Sabuana.

Jalalabad drainage network

Jalalabad main drain carrying sewage of Jalalabad city, Guru Har Sahai and other villages, Chand Bhan drain carrying sewage of towns of Faridkot, Kotkpaura, Jaitu, Baghapurana, Badhni Kalan, Nihal Singh wala, Sri Muktsar Sahib, Bariwala and Goniana meet to form Jalalabad-Muzaam drain. Jalalabad-Muzaam drain meet river Sutlej creek near village Hasta Kalan in Fazilka tehsil.

MAP OF DRAINS IN DISTRICT FAZILKA



- **Availability of water resources**

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

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

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	Fazilka	155	Safe	Green
2	Abohar	38	Safe	Green
3	Jalalabad	150	Over-Exploited	Yellow
4	Khuyian Sarwar	56	Safe	Green

- **Forest coverage**

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

Geographic Area (GA) in Sq. Km	2019 Assessment				% of Geographical Area
	Very Dense Forest	Mod. Dense Forest	Open Forest	Total	
3113 km ²	-	-	4177.91 ha	4177.91 ha	1.34%

d. Geography & Demography

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

Sr. No.	Title	District Fazilka	Punjab State
1.	Area (Sq Km)	3113	50,362
2.	Population (in Lakh) as per 2011 census	1180483	277.04
3.	Rural Population (in Lakh)	6.80	173.2
4.	Urban Population (In Lakh)	2.68	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

e. Land-use pattern

Sr . No.	Title	Data of District
1.	Total Geographical Area (in Sq km)	3113
2.	Area under Forest (in Ha)	4177.91
3.	Net Area Sown (In Ha)	2,46,124
4.	Gross Cropped Area (in Ha)	2, 51,780
5.	Total Area irrigated (in Ha)	2,46,124
6.	% of Net Area irrigated to Total area sown	100%

f. Climate

The precipitation in the area occurs mainly due to south west and north east monsoon. However most of the precipitation is received through south westerly monsoon. A little but significant from agriculture point of view, rainfall occurs during the winter season due to North westerly monsoon. The normal annual rainfall of the district is 200 mm about 75% of the rainfall occurs during last week of June to mid Sept. July and August are the wettest months . The rest of the rainfall (25%) occurs during non monsoon period. The climate of the district is characterized by the dryness of the air an intensely hot summer and cold winter. The year may be divided into four seasons. The cold season starts by late November and extends to the middle of March. It is followed by hot season which continues to the end of June when the south-west monsoon arrives over the district. The post monsoon season period is from October to December.

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

ACTION PLAN

2.0 WASTE MANAGEMENT PLAN

(i) Solid Waste Management

a. Current status related to solid waste management

Sr. No.	Urban Local bodies	No of Wards	No of Households	Population	Solid Waste Generated (MT/Day)
1.	Municipal Council, Fazilka	25	14753	74692	22
2.	Municipal Corporation, Abohar	50	28856	145302	45
3.	Municipal Council, Jalalabad	17	7806	39525	10
4.	Municipal Council, Arniwala	11	1812	9353	2.57
	Total	80	53227	268872	79.57

Sr.No.	No of Village Panchayats / Blocks	No of Households	Population	Solid Waste Generated per day (MT)
1.	434 / 5	107300	6,80,450	215

b. Identification of gaps and Action plan:

S.No.	Action points For villages / blocks/town municipalities /City corporations	Identification Of gap	Action Plan	Responsible agencies	Timeline For completion Of action plan
1.	Segregation				
I.	Municipal Council, Fazilka	Achievement-95% Gap – 5%	To maintain 100% segregation all the times.	EO, Fazilka	31.12.2023
II.	Municipal Corporation, Abohar	Achievement-95% Gap – 5%	To maintain 100% segregation all the times.	Municipal Commissioner, Abohar	31.12.2023
III.	Municipal Council, Jalalabad	Achievement-95% Gap – 5%	To maintain 100% segregation all the times.	EO, Jalalabad	31.12.2023
IV.	Nagar Panchayat, Arniwala	Achievement-95% Gap – 5%	To maintain 100% segregation all the times.	EO, Arniwala	31.12.2023
V.	Villages of district Fazilka(396)	Achievement- At present civil structure for Solid waste management such as compost pits and material recovery facility	Action plan has been prepared for management of solid waste in 396 villages (434 GP) and will be implemented in phased manner.	DDPO/ Panchayati Raj	Completion: <ul style="list-style-type: none"> • 100 villages upto 31.12.2023 • 200 villages upto 31.12.2024 • 300 villages upto 31.12.2025 • 396 villages upto 31.12.2026

		shed have been constructed in 23 no. villages and operation of the sites as well as related activities shall be start by 30.09.2023.			
--	--	--	--	--	--

2	Sweeping				
(i)	Manual Sweeping				
I.	Municipal Council, Fazilka	Achievement-100% Gap – Nil	To maintain 100% sweeping all the times.	EO, Fazilka	Routine activity
II.	Municipal Corporation, Abohar	Achievement-100% Gap – Nil	To maintain 100% sweeping all the times.	Municipal Commissioner, Abohar	Routine activity
III.	Municipal Council, Jalalabad	Achievement-100% Gap – Nil	To maintain 100% sweeping all the times.	EO, Jalalabad	Routine activity
IV.	Nagar Panchayat, Arniwala	Achievement-100% Gap – Nil	To maintain 100% sweeping all the times.	EO, Arniwala	Routine activity
(ii)	Mechanical Road Sweeping & Collection	Manual sweeping-adequate in all ULBs Mechanical Road Sweeping- Not required	To maintain 100 % sweeping all the times	ULBs	Routine activity
(iii)	Villages of district Fazilka (396) Villages Panchayats (434)	Manual sweeping will be done through additional manpower	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 30.09.2023.	DDPO/ Panchayati Raj	Completion: <ul style="list-style-type: none"> • 100 villages upto31.12.2023 • 200 villages upto31.12.2024 • 300 villages upto31.12.2025 • 396 villages upto 31.12.2026
3	Waste Collection				
(i)	100% Collection of solid waste	<ul style="list-style-type: none"> • 100% D to D collection of solid waste is achieved by all ULBs • Villages (396) / Village Panchayats (434) = Not adequate 	<ul style="list-style-type: none"> • To maintain 100% D to D collection of solid waste by ULBs • Action plan has been prepared for management of solid waste in 396 villages 	<ul style="list-style-type: none"> • ULB • DDPO/ Panchayati Raj 	Regular activity Completion: <ul style="list-style-type: none"> • 100 villages upto 31.12.2023 • 200 villages upto 31.12.2024

			<p>(434 GP). 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 and related activities shall be start by 30.09.2023.</p>	<ul style="list-style-type: none"> • 300 villages upto 31.12.2025 • 396 villages upto 31.12.2026
--	--	--	--	--

(ii)	Arrangement for door to door collection	<ul style="list-style-type: none"> By providing waste collection trolleys & tricycle with separate compartments in each ward of MC/NP <p>MC Abohar Required:-195 Provided:- 195 Gap:0</p> <p>MC Fazilka Required-112 Provided-112 Gap- 0</p> <p>MC Jalalabad Required- 44 Provided-34 Gap-- 10 E rickshaws</p> <p>NP Arniwala SS Required-11 Provided-11 Gap-0</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>Regular activity</p> <p>Regular activity</p> <p>31-12-2023</p> <p>Regular activity</p> <p>Completion:</p> <ul style="list-style-type: none"> 100 villages upto 31.12.2023 200 villages upto 31.12.2024 300 villages upto 31.12.2025 396 villages upto 31.12.2026
		<ul style="list-style-type: none"> In villages Required -792 	<ul style="list-style-type: none"> Action plan has been prepared for arrangements of D to D collection. Action plan has been prepared for management of solid waste in 396 villages(434GP). 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 and related activities shall start by 30.09.2023. 	<ul style="list-style-type: none"> DDPO / Panchayati Raj 	

(iii)	Waste Collection trolleys with separate Compartments	<ul style="list-style-type: none"> Waste is being collected through tricycles provided with separate compartments <p>MC Abohar Required-6 Available-6 Gap-0</p> <p>MC Fazilka Required-7 Available-7 Gap-0</p> <p>MC Jalalabad Required-5 Available -5 Gap-0</p> <p>NP Arniwala SS Required-2 Available -2 Gap-0</p> <p>In villages Required -396</p>	<ul style="list-style-type: none"> As per requirement, waste collection trolleys will be increased to ensure 100% D to D collection. <ul style="list-style-type: none"> In villages – Action plan has been prepared for D to D collection. 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 and related activities shall start by 30.09.2023. 	<ul style="list-style-type: none"> ULBs DDPO / Panchayati Raj 	<p>Regular activity</p> <p>Regular activity</p> <p>Regular activity</p> <p>Regular activity</p> <p>Completion:</p> <ul style="list-style-type: none"> 100 villages upto 31.12.2023 200 villages upto 31.12.2024 300 villages upto 31.12.2025 396 villages upto 31.12.2026
(iv)	Mini Collection Trucks with separate compartments	<ul style="list-style-type: none"> Mini collection trucks provided with separate compartments <p>MC Abohar Required-25 Available-25 Gap-0</p>	<ul style="list-style-type: none"> As per requirement, waste collection trucks will be increased to ensure 100% D to D collection and segregation. 	<ul style="list-style-type: none"> ULBs 	<p>Regular activity</p>

		<p>MC Fazilka Required-8 Available -8 Gap-0</p> <p>MC Jalalabad Required-4 Available -4 Gap-0</p> <p>NP Arniwala SS Required-2 Available -2 Gap-0</p> <p>In villages Required -Nil</p>	<p>• In villages – Action plan has been prepared for D to D collection. 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 and related activities shall start by 30.09.2023.</p>	<p>• DDPO / Panchayati Raj</p>	<p>Regular activity</p> <p>Regular activity</p> <p>Regular activity</p> <p>Regular activity</p>
(v)	Waste Deposition centers (WDC) (for domestic hazardous wastes)				
I.	Municipal Council, Fazilka	<p>Required – 4 Installed – 4 Gap – 0 Cabin in waste collection vehicle for collection of domestic hazardous waste- Provided</p>	<p>Facility for Collection of domestic hazardous waste will be provided with the vehicles meant for D to D collection of waste.</p>	EO, Fazilka	Completed
II.	Municipal Corporation, Abohar	<p>Required – 6 Installed – 6 Gap – 0 Cabin in waste collection vehicle for collection of domestic hazardous waste- Provided</p>	<p>Facility for collection of domestic hazardous waste will be provided with the vehicles meant for D to D collection of solid waste.</p>	Commissioner, Abohar	Completed

III.	Municipal Council, Jalalabad	Required – 1 Installed – 1 Gap – 0 Cabin in waste collection vehicle for collection of domestic hazardous waste- Provided	Facility for collection of domestic hazardous waste will be provided with the vehicles meant for D to D collection of waste	EO, Jalalabad	Completed
IV.	Nagar Panchayat, Arniwala SS	Required – 1 Installed – 1 Gap – 0 Cabin in waste collection vehicle for collection of domestic hazardous waste- Provided	Facility for collection of domestic hazardous waste will be provided with the vehicles meant for D to D collection of waste	EO, Arniwala SS	Completed
V.	Villages (396) / Village panchayats (434)	Required= 396 Installed=0	Scheme will be prepared for collection of domestic hazardous waste. 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 and related activities shall start by 30.09.2023.	• DDPO / Panchayati Raj	Preparation of action plan 30.09.2022 Execution starts from 01.10.2022 Completion: • 100 villages upto 31.12.2023 • 200 villages upto 31.12.2024 • 300 villages upto 31.12.2025 • 396 villages upto 31.12.2026
4 Waste Transport					
(i)	Review existing infrastructure for waste Transport.	• Waste transport vehicles MC Abohar Required-202 Available -202 Gap-0	As per requirement, Waste transport Vehicles will be increased to ensure 100%	MCs/NPs	Regular activity

		<p>MC Fazilka Required-114 Available -109 Gap-5</p> <p>MC Jalalabad Required-48 Available- 48 Gap- 0</p> <p>NP Arniwala SS Required-39 Available –34 Gap-5</p> <p>In villages Required - Nil</p>	<p>transportation</p> <p>In villages – Action plan has been prepared for D toD collection. 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 and related activities shall start by 30.09.2023.</p>	<p>DDPO/ Panchayati Raj</p>	<p>31-12-2023</p> <p>Regular activity</p> <p>31-12-2023</p> <p>Completion: <ul style="list-style-type: none"> • 100 villages upto 31.12.2023 • 200 villages upto 31.12.2024 • 300 villages upto 31.12.2025 396 villages upto 31.12.2026</p>
--	--	---	---	---------------------------------	---

(ii)	Bulk Waste Trucks	<p>MC Abohar Required-2 Available -2 Gap-0</p> <p>MC Fazilka Required-1 Provided-1 Gap--0</p> <p>MC Jalalabad Required-0 Provided-0 Gap-0</p> <p>NP Arniwala SS Required-0 Provided-0 Gap-0</p> <ul style="list-style-type: none"> In villages Required -Nil 	<p>As per requirement, Bulk Waste Trucks will be increased to ensure 100% transportation</p> <p>In villages – Action plan has been prepared for D toD collection. 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 and related activities shall start by 30.09.2023.</p>	<p>ULBs</p> <p>DDPO/ Panchayati Raj</p>	<p>Activity completed</p> <p>Completion:</p> <ul style="list-style-type: none"> • 100 villages upto 31.12.2023 • 200 villages upto 31.12.2024 • 300 villages upto 31.12.2025 396 villages upto 31.12.2026
------	-------------------	---	--	---	---

(iii)	Waste Transfer points	<ul style="list-style-type: none"> Waste transfer points with boundary wall <p>MC Abohar Required-6 Available -6 Gap-0 Status of boundary wall-yes</p> <p>MC Fazilka</p> <p>Required-4 Provided-4 Gap-0 Status of boundary wall-yes</p> <p>MC Jalalabad Required-2 Provided-2 Gap-0 Status of boundary wall-yes</p> <p>NP Arniwala SS Required-1 Provided-1 Gap-0 Status of boundary wall-yes</p> <ul style="list-style-type: none"> For Villages Required: Nil 	<p>Waste transfer will be made in environmentally sound manner i.e. brick wall around these waste transfer points or will be kept in closed chamber from the four sides.</p> <p>In villages – Action plan has been prepared for D to D collection. At present civil structure for Solid waste management such as compost pits and material recovery facility</p>	<p>ULBs</p> <p>DDPO / Panchayati Raj</p>	<p>Completed</p> <p>Completed</p> <p>Completed</p> <p>Completed</p> <p>Regular Activity</p>
-------	-----------------------	---	--	--	---

			shed have been constructed in 23 no. villages and operation of the sites and related activities shall start by 30.09.2023.		
--	--	--	--	--	--

5 Waste Treatment and Disposal					
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirements as per Rules).	Status of composting by Bulk waste generators	Agreement signed with MC by bulk waste generators for management of wet and dry waste	Dept. of Local Govt.	Activity completed
		MC Abohar Identified-18 Arrangement made: Agreement with MC Gap-Nil			Activity completed
		MC Fazilka Identified-15 Arrangement made: Agreement with MC Gap-Nil			Activity completed
		MC Jalalabad Identified-4 Arrangement made: C.P. provided by 4 BWG Gap-NIL			Activity completed
		NP Arniwala SS Identified-1 Arrangement made: C.P. provided by 1 BWG Gap-NIL			Activity completed

(ii)	Wet-waste Management: Facilities for central Bio-methanation/ Composting of wets waste.				
I.	Municipal Council, Fazilka	Compost pits Required-92 Available -92 Gap-Nil	Wet-waste is being managed in compost pits	EO, Fazilka	Activity already completed
II.	Municipal Corporation, Abohar	Compost pits Required-142 Available -142 Gap-Nil	Wet-waste is being managed in compost pits	Commissioner, Abohar	Activity already completed
III.	Municipal Council, Jalalabad	Compost pits Required-60 Available -60 Gap-Nil	Wet-waste is being managed in compost pits	EO, Jalalabad	Activity already completed
IV.	Nagar Panchayat, Arniwala SS	Compost pits Required-18 Available -18 Gap-Nil	Wet-waste is being managed in compost pits	EO, Arniwala SS	Activity already completed
V.	Villages (396) / Village panchayats (434)	Achievement- 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 and related activities shall start by 30.09.2023.	Action plan has been prepared for management of solid waste in 396 villages (434 GP).	DDPO/ Panchayati Raj	Completion: <ul style="list-style-type: none"> • 100 villages upto 31.12.2023 • 200 villages upto 31.12.2024 • 300 villages upto 31.12.2025 • 396 villages upto 31.12.2026
(iii)	Dry-Waste Management: Material Recovery for dry-waste Fraction	MRF with ULBs: Fazilka Required-4 Available -4 Gap-0 Abohar Required-6 Available -6 Gap-0 Jalalabad Required-2 Available -2 Gap-0 Arniwala SS Required-1 Available -1 Gap-0	All MCs/NPs have provided required no. of Material Recovery Facilities	Dept. of Local Govt.	Activity completed Activity completed Activity completed Activity completed

		<p>Status of agreement signed by Bulk waste generators with MC/NP</p> <p>MC Abohar Identified- 18 Available -18 Gap-0</p> <p>MC Fazilka Identified-15 Available-15 Gap-0</p> <p>MC Jalalabad Identified-4 Available-4 Gap-0</p> <p>NP Arniwala SS Identified-1 Available-1 Gap-0</p>	<p>Agreement signed with MC by Bulk waste generators for management of Dry-Waste</p>		<p>Activity completed</p> <p>Activity completed</p> <p>Activity completed</p> <p>Activity completed</p>
		<p>Achievement-23 villages (completed) and in progress/being started in remaining villages. Presently there is no bulk waste generator identified.</p>	<p>Action plan has been prepared for management of solid waste in 396 villages (434 GP). 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 and related activities shall start by 30.09.2023.</p>	<p>DDPO / Panchayati Raj</p>	<p>Completion:</p> <ul style="list-style-type: none"> • 100 villages upto 31.12.2023 • 200 villages upto 31.12.2024 • 300 villages upto 31.12.2025 • 396 villages upto 31.12.2026
(iv)	<p>Disposal of inert and non-recyclable wastes: Sanitary Landfill</p>	<p>MC Abohar Identified 1 Available 1 Gap 0</p> <p>MC Fazilka Identified-1 Available- 0 Gap-1</p> <p>MC Jalalabad Identified-1</p>	<p>Sites are being identified and disposal of inert & non-recyclable wastes</p>	<p>Dept. of Local Govt.</p>	<p>Completed</p> <p>31.12.2023</p> <p>31.12.2023</p>

		Available -1 Gap-0 NP Arniwala SS Identified-1 Available -1 Gap-0			Activity completed
		Villages / villages Panchayat – Presently there is no requirement for provided sanitary landfill	In case of requirement common site be provided or disposed at Sanitary landfill of MC/NP	DDPO / Panchayati Raj	Regular Activity
(v)	Remediation of historic / legacy dumpsite				
I.	Municipal Council, Fazilka	<ul style="list-style-type: none"> • Total legacy waste = 26000 MT • Waste remediated – 9200 MT • Balance – 16800 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, Fazilka	31.03.2024
II.	Municipal Corporation, Abohar	<ul style="list-style-type: none"> • Total legacy waste – 56000 MT • Waste remediated – 16800 MT • Balance – 39200 MT 	The machinery like mechanical trammel, JCB has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.	Commissioner, Abohar	31.03.2024
III.	Municipal Council, Jalalabad	<ul style="list-style-type: none"> • Total legacy waste – 11900 MT • Waste remediated – 5000 MT • Balance – 6900 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, Jalalabad	31.03.2024

IV.	Nagar Panchayat, Arniwala SS	<ul style="list-style-type: none"> • Total legacy waste – 7200 MT • Waste remediated – 6120 MT • Balance – 1080 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, Arniwala SS	30.9.2023
V.	Villages (396) / Village panchayats (434)	Villages / villages Panchayat – Presently there is no legacy waste stored	In case of requirement treatment be done as per rules	DDPO/ Panchayati Raj	Regular Activity
(vi)	Involvement of NGOs	Yes	NGOs shall be identified for the purpose.	MCs/NPs and DDPO	Regular Activity
(vii)	EPR of Producers: Linkage with Producers / Brand Owners	Linkage with Producers /Brand Owners	The producers / brand owners are being pursued to submit the action plan for disposal of plastic waste under EPR.	ULBs	30.09.2023
(viii)	Authorization of Waste Pickers	<p>Waste Pickers deployed by MC along with authorization status</p> <p>MC Abohar Identified-24 Adequate - yes Authorized-24</p> <p>MC Fazilka Identified-57 Adequate - yes Authorized-57</p> <p>MC Jalalabad Identified- 17 Adequate – yes Authorized -17</p> <p>NP Arniwala SSIdentified-7 Adequate - yes Authorized-7</p>	As per requirement, authorization of waste pickers will be carried out.	ULBs	Regular activity

(ix)	Preparation of own by-laws to comply with SWM Rules 2016	<ul style="list-style-type: none"> All MCs/NPs have already prepared In village Panchayats – yet to prepare. 	<ul style="list-style-type: none"> All MCs/NPs have prepared For village Panchayats – By-laws to comply with rules will be prepared 	<ul style="list-style-type: none"> ULBs DDPO / XEN Panchayati Raj 	Activity completed 30.09.2023
(x)	Removal of garbage vulnerable points(GVPs)	<p>MC Abohar Total GVP's – 32 Removed GVP's -32 Gap - 0</p> <p>MC Fazilka Total GVP's – 26 Removed GVP's -22 Gap - 4</p> <p>MC Jalalabad Total GVP's – 6 Removed GVP's -5 Gap - 1</p> <p>NP Arniwala SS Total GVP's – 5 Removed GVP's -4 Gap - 1</p>	MC Fazilka, MC Jalalabad and MC Arniwala SS shall remove the remaining GVPs and vacated site shall be converted to useful usage like sitting place, park, greet belt, playground etc.	ULB	Activity completed 30.09.2023 30.09.2023 30.09.2023
(xi)	Provision of greenbelt and boundary wall around solid waste dumping site.	<p>MC Abohar Boundary Wall - yes Green Belt- on one sides of boundary wall</p> <p>MC Fazilka Boundary Wall - yes Green Belt- three sides</p> <p>MC Jalalabad Boundary Wall -on 3 sides Green Belt –No</p> <p>NP Arniwala SS Boundary Wall - Yes Green Belt –No</p>	The thick green belt Around the boundary wall be provided	ULBs	31.12.2023 31.12.2023 31.12.2023 31.12.2023

(xii)	Providing compartments and GPS tracking in garbage carrying vehicles	Status of providing compartments & GPS tracking in garbage carrying vehicle. MC Abohar Required-32 Enabled with GPS-32 Gap-0 MC Fazilka Required-7 Enabled with GPS-7 Gap-0 MC Jalalabad Required-9 Enabled with GPS -9 Gap-0 NP Arniwala SS Required-3 Enabled with GPS -3 Gap-0	GPS tracking in garbage carrying vehicle is being provided from time to time	ULB	Activity completed Activity completed Activity Completed Activity Completed
(xiii)	Action Plan for Treatment of leachate generated from legacy waste dumpsite. (Directions of Hon'ble NGT in OA no. 606 of 2018 dated 22.07.2019, 28.02.2019, 14.12.2020)	Treatment of leachate	Leachate management will be done simultaneously with Bio-remediation of legacy waste.	ULBs	31.03.2024

(xiv)	Best practices, including setting up of Control Rooms where citizens can upload photos of garbage which may be looked into by the specified representatives of local bodies, at local level as well as State level. (Directions of Hon'ble NGT in OA no. 606 of 2018 dated 22.07.2019, 28.02.2019, 14.12.2020)	Swachhta App is being used by people where used to post their complaints and problems faced. Web link of swacchta app https://sbmurban.org/swachhtha-app	Swachhata app is widely used by citizens for complaints related to SWM/ SBM, It is resolved and monitored at ULB and state level both.	All Local bodies	Activity completed
(xv)	CCTV cameras be installed at dumping sites. (Directions of Hon'ble NGT in OA no. 606 of 2018 dated 22.07.2019, 28.02.2019, 14.12.2020)	CCTV cameras installed by MC Abohar and MC Fazilka	CCTV cameras Abohar are being installed at dumping sites by MC Jalalabad and NP Arniwala Sheikh Subhan	ULBs	MC Fazilka-Completed MC Abohar-Completed MC Jalalabad-30.09.2023 NP Arniwala SS – 30.09.2023
(xvi)	Installation of Piezometer at Dump Site. (Directions of Hon'ble NGT in OA no. 606 of 2018 dated 22.07.2019, 28.02.2019, 14.12.2020)	MC Fazilka-Installed MC Abohar-Installed MC Jalalabad-Not installed NP Arniwala SS-Not installed	Piezometers at dump sites are being installed at dump sites.	MCs/NPs	MC Fazilka-Completed MC Abohar-Completed MC Jalalabad-30.09.2023 NP Arniwala SS – 30.09.2023
(xvii)	Carcass should be utilized by adopting rendering process or incineration and priority may be given to carcass utilization plant which are run by	Presently Carcass of dead animals are being given to private contractor by MCs/NPs.	Proposal for utilization of carcass in a scientific manner is under consideration. Short term measure Carcass disposal points will be developed by constructing boundary wall,	MCs/NP/DDPO	Short term measure 30.09.2023 Long term measure 30.09.2024

	adopting rendering process. (Directions of Hon'ble NGT in OA no. 465/2019 dated 15.04.2021		planting of trees, hedges and other necessary measures to control the nuisance. Long term measure Utilization of Carcass by rendering process		
(xviii)	Carcass disposal to be done under the supervision Veterinary/Animal Husbandry Department of the State and the Local Bodies. (Directions of Hon'ble NGT in OA no. 465/2019 dated 15.04.2021	Carcass disposal points will be ensured in environmentally sound manner	Carcass disposal points will be developed by constructing boundary wall, planting of trees, hedges and other necessary measures to control the nuisance and will be ensured under the supervision of veterinary doctors	MCs/NP/DDPO	
(xix)	Management of waste water and solid waste by the unauthorized colonies / residential complex/commercial complex developed by Pvt. Colonizers.	Inadequate management of solid waste and liquid waste in colonies / commercial complex.	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	BDA , Department of Local Govt.	MC/PUDA <ul style="list-style-type: none"> • Agreement to be made for Management of solid waste =30.09.2023 • Provision of individual STPs= 31.12.2023

(xx)	To prepare proposal / scheme for management of solid waste in the villages either in cluster form or independently in individual villages	Achievement-4 villages (completed) and in progress/being started in remaining villages	Action plan has been prepared for management of solid waste in 396 villages (434 GP).	DDPO/ Panchayati Raj	Completion: <ul style="list-style-type: none"> • 100 villages upto 31.12.2023 • 200 villages upto 31.12.2024 • 300 villages upto 31.12.2025 • 396 villages upto 31.12.2026
(xxi)	Information Education and Communication (IEC) activities in respect of solid waste.	No gap	The IEC activities in this regard are already being done by the concerned departments. However, more IEC activities will be carried out for creating more awareness for the management of solid waste.	MCs/NPs	Regular Activity
(xxii)	Constitution of District Environment Committee in view of the constitution provisions under article 243 G, 241 W and 243 ZD read with scheduled 11, 12 & 15 of SWM Rules, 2016.	No gap	Constituted by the State Government.	State Government	Activity completed
(xxiv)	Dry-Waste Management: Material Recovery for dry-waste fraction (RDF)	Status of MRF for management of dry waste MC Abohar Required-6 Provided-6 Gap-0 MC Fazilka Required-4 Provided-4 Gap-0	All MCs/NPs are being providing adequate no. of MRFs for the management of dry waste.	MCs/NPs/D DDPO	Activity completed Regular Activity

		<p>MC Jalalabad Required-2 Provided-1 Gap-1</p> <p>NP Arniwala SS Required-1 Provided-1 Gap-0</p> <p>In village Panchayats Achievement- 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 30.09.2023.</p>	Action plan has been prepared for management of solid waste in 396 villages (434 GP).		<p>30.09.2022</p> <p>Regular Activity</p> <p>Completion:</p> <ul style="list-style-type: none"> • 100 villages upto 31.12.2023 • 200 villages upto 31.12.2024 • 300 villages upto 31.12.2025 • 396 villages upto 31.12.2026
(xxv)	Management of Horticulture Waste in MCs.	<p>Status of compost pits in parks</p> <p>MC Abohar No. of parks existed-7 Compost pits: required-7 Provided-6 Gap-1</p> <p>MC Fazilka No. of parks existed-7 Compost pits: required-7 Provided-2 Gap-5</p> <p>MC Jalalabad No. of</p>	All MCs / NPs are providing adequate no. of compost pits for the management of horticulture waste.	MCs/NPs	<p>31.12.2023</p> <p>31.12.2023</p> <p>31.12.2023</p>

		parks existed- 4 Compost pits: required-4 Provided-1 Gap-3 NP Arniwala SS No. of parks existed-0			---
--	--	--	--	--	-----

(ii) Plastic Waste Management

(a) Current status related to Plastic waste management

Sr. No.	Urban Local Bodies	Estimated quantity of Plastic Waste Generated MT/per day
1.	Municipal Council, Fazilka	1.91
2.	Municipal Corporation, Abohar	3.63
3.	Municipal Council, Jalalabad	0.95
4.	Nagar Panchayat, Arniwala SS	0.23
	Total	6.72

	Local Bodies	Estimated quantity of Plastic Waste Generated MT/per day
1	Villages Panchayats (434)	3.90

(b) Identification of gaps and Action plan:

S.N o.	Action points For village P panchayats /blocks /municipalities /corporations	Identification of gap	Action plan	Agencies Responsible	Target time for Compliance
1.	Door to Door collection of dry waste including PW	MCs/NPs Achievement – 100% Gap – Nil In village Achievement- 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 30.09.2023.	Already achieved 100% door to door collection Action plan has been prepared for management of plastic waste in 396 villages (434 GP).	ULBs DDPO / XEN Panchayati Raj	Regular activity Completion: <ul style="list-style-type: none"> • 100 villages upto 31.12.2023 • 200 villages upto 31.12.2024 • 300 villages upto 31.12.2025 • 396 villages upto 31.12.2026

2.	Facilitate organized collection of PW at Waste transfer point or Material Recovery Facility	<p>Status of number of material recovery facilities along with vehicles:</p> <p>MC Abohar Required-6 Provided-6 Gap-0</p> <p>MC Fazilka Required-4 Provided-4 Gap-0</p> <p>MC Jalalabad Required-2 Provided-2 Gap-0</p> <p>NP Arniwala SS Required-1 Provided-1 Gap-0</p> <p>In village Achievement- 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 30.09.2023.</p>	<p>All MCs/NPs are providing required no. Material Recovery Facilities (MRF).</p> <p>Action plan has been prepared for management of plastic waste in 396 villages (434 GP).</p>	<p>MCs/NPs</p> <p>DDPO / XEN Panchayati Raj</p>	<p>Activity completed</p> <p>Regular Activity</p> <p>Regular Activity</p> <p>Regular Activity</p> <p>Completion: <ul style="list-style-type: none"> • 100 villages upto 31.12.2023 • 200 villages upto 31.12.2024 • 300 villages upto 31.12.2025 • 396 villages upto 31.12.2026 </p>
3.	PW collection Centers	<p>Status of number of collection center:</p> <p>MC Abohar Required-6 Provided-6 Gap-0</p> <p>MC Fazilka Required-4 Provided-4 Gap-0</p>	<p>MCs/NPs are providing required no. Material Recovery Facilities (MRF).</p>	<p>MCs/NPs</p>	<p>Activity completed</p> <p>Activity completed</p>

		MC Jalalabad Required-2 Provided-2 Gap-0 NP Arniwala SS Required-1 Provided-1 Gap-0			Activity completed Activity completed
4.	Awareness and Education Programs implementation	No Gap	Awareness is being created amongst the public by organizing seminars, through school children, by providing banners at prominent places of the city etc. The MCs/NPs are conducting meetings with owners of hotels / restaurants / marriage palaces to eliminate single use plastic.	MCs/NPs	Regular activity
5.	Access to Plastic Waste Disposal Facilities	Adequate	The use of plastic waste in road construction and in industrial sector like pyrolysis plants, recyclers etc. is being made.	MCs/NPs	Regular Activity
6.	Plastic Industry Registration. Total no. of plastic unit required registration. Total no. of plastic unit obtained registration. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Total units – 8 Registration obtained – 8 Gap - 0	New identification of the industry is under process.	PPCB	RegularActivity

7.	Development and setting up of infrastructure for segregation, collection, storage, transportation, Processing, and disposal of Plastic Waste either on its own for by engaging agencies or producers. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Inadequate disposal arrangement of plastic waste	<ul style="list-style-type: none"> • PMIDC came into contract with one agency MAX specialty Films in this regard to purchase/collect any kind of plastic garbage from the ULBs. • PMIDC coordinated with PWD and Mandi Board to utilize plastic waste in Roads. • More effective Disposal facility needs to be engaged under guidance of PMIDC 	MCs / NPs	31.12.2023
8.	Framing of bye-laws incorporating the provisions of Plastic Waste Management Rules, 2016. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	ULBs- Already Made Rural areas- yet to frame	MCs/NPs already framed Rural Panchayats = by-laws will be framed	MCs/NPs and DDPO / XEN Panchayati Raj	Activity already completed 31.12.2023
9.	Set up, operationalize and co-ordinate for Plastic Waste management in Rural area. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	In village Achievement- 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 30.09.2023.	Action plan has been prepared for management of plastic waste in 396 villages (434 GP).	DDPO / XEN Panchayati Raj	Completion: <ul style="list-style-type: none"> • 100 villages upto 31.12.2023 • 200 villages upto 31.12.2024 • 300 villages upto 31.12.2025 • 396 villages upto 31.12.2026

10.	Ban on non-recyclable single use polythene bags. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	ULBs- Initiated	Ban has been already imposed by the State Govt., on sale, purchase, manufacturing and stock of plastic carry bags. The MoEF&CCP vide its notification dated 12.08.2021 has banned Single use plastic with effect from 1.07.2022. Further, the guidelines of the Centre and State Govt., regarding banning of single use plastic will be complied with.	ULBs	Activity already completed
11.	Segregation, collection, storage, transportation of plastic waste and channelizing of recyclable plastic waste fraction to recycler having valid registration. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	No gap.	Recyclable plastic waste is collected, transported and stored separately by all ULBs. Currently such plastic is being stored at MRF.	ULBs	Activity already completed
		In village Achievement- 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 30.09.2023.	Recyclable plastic waste collected in MRF will be sent to authorized recycler	DDPO / XEN Panchayati Raj	Regular activity
12.	Awareness to the waste generator to take steps to minimize the plastic waste and segregate plastic waste at source. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	No Gap	Awareness is being carried out on regular basis by organizing camps.	ULBs	Regular activity
		No Gap	Awareness is being carried out on regular basis by organizing camps.	ADC (D) / DDPO / XEN Panchayati Raj	Regular activity

13.	Encouragement to the education institute to take up waste management in their curriculum and create student project for waste recycling. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	No gap	Already being followed and seminars are being organized.	DEO (Primary & Secondary)	Regular activity
14.	Directions to Gram Panchayat to perform functions such as ensuring segregation, collection, storage, transportation, plastic waste and channelization of recyclable plastic waste fraction to recyclers having valid registration. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Disposal of plastic waste in villages.	Instruction are already been given to Gram Panchayat Through BDPO's	DDPO	Regular activity
15.	Creating awareness among all stakeholders about their responsibilities, and ensuring that open burning of plastic waste does not take place. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	No gap	All stakeholders are being made aware regarding their responsibility regarding burning of plastic waste. Action against violators is also being taken as per rules.	All local bodies	Regular activity
16.	To ensure proper plastic waste management, industries may be directed to explore the	Initiated	Instructions are being given to the industries regularly to explore the possibility of use of plastic waste in a	PPCB	Regular activity

	<p>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)</p>		<p>scientific manner like in road construction etc. in consultation with research institutes.</p>		
--	---	--	---	--	--

(iii) C&D Waste Management

a. Current status related to C&D Waste

Details of Data Requirement	Present Status
Total C&D waste generation in MT/per day (As per data from Municipal Corporations/Municipalities)	MC Fazilka – 0.3MT MC Abohar – 0.45 MT MC Jalalabad – 0.25 MT NP Arniwala SS – 0.15 MT Total - 1.15MTD
Does the District has access to C&D waste recycling facility?	No

b. Identification of gaps and Action plan:

S. No.	Action points for blocks / town municipalities/ City corporations	Identification of Gaps	Action Plan	Responsible agency	Timeline for completion of action plan
1.	Arrangement for separate collection of C&D waste to C&D waste deposition point.	Separate collection site in all ULBs is provided at all ULBs In village Achievement-adequate Not	All location of separate site for C&D by each ULB. Scheme will be prepared for separate collection of C&D waste to C&D waste deposition point.	Department of Local Govt. DDPO	Activity completed Preparation of scheme: 30.09.2023 Completion: <ul style="list-style-type: none"> • 100 villages upto 31.12.2023 • 200 villages upto 31.12.2024 • 300 villages upto 31.12.2025 • 396 villages upto 31.12.2026

2.	Whether local authority have fixed user fee on C&D waste and Introduced permission system for bulk waste generators who generate more than 20 tons or more in one day or 300 tons per project in a month?	No gap	Already fixed	MCs/NPs	Activity completed
3.	C&D recycling Facility	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.	MCs/NPs	<ul style="list-style-type: none"> • Preparation of proposal 30.09.2023 • Implementation - 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	Presently there is no C & D recycling facility in the District. The recycled material from crusher machine is used for construction purposes.	In case of additional requirement of recycling. Department of Urban Development shall prepare the proposal for installation of recycling facility.	MCs/NPs	<ul style="list-style-type: none"> • Preparation of proposal 30.09.2023 • Implementation - 31.12.2023
5.	IEC on C&D waste management	No gap	Awareness is being made through media, NGOs & radio.	MCs/NPs	<ul style="list-style-type: none"> • Regular Activity

IV Bio medical Waste Management

a. Current Status related to bio-medical waste

Inventory of BMW in the District	Quantity
Total no. of Bedded Healthcare Facilities	75
Total no. of non-bedded HCF	198
No. of HCFs authorized by SPCBs/PCCs	273
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	136.10 kg/day
Quantity of biomedical waste treated per day	136.10 kg/day

b. Identification of gaps and Action plan:

S. No.	Action points	Gaps	Action Plan	Responsible agency	Timeline for completion of action plan
1.	Inventory and identification of Healthcare Facilities	<ul style="list-style-type: none"> Total HCFs identified (Bedded + non-bedded)= 273 HCFs authorized by the PPCB= 273. 	Regular camps are being organized to pursue the HCFs to obtain the authorization.	PPCB / Civil Surgeon	Regular activity
2.	Adequacy of facilities to treat bio medical waste	No Gap. Bio Medical waste lifted by Medwaste Solutions Pvt. Ltd., Village Biddowali, Sri Muktsar Sahib.	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 health care staff	No Gap Training has been organized for all stakeholders from time to time. One camp will be organized in a quarter.	Not required	PPCB and Health Department	Regular activity
5.	Adequacy of Funds	No gap	Private HCFs = Funds available Govt., HCFs = Funds Being arranged	Civil Surgeon	31.10.2023
6.	Compliance to Rules by HCFs	No gap, to check the compliance regular	BMW Rules, 2016 are complied with except	PPCB, HCFs, CBWTF and	Regular activity

	and CBWTFs	monitoring is being done.	provisions of ETPs cum STPs	civil surgeon	
7.	District Level Monitoring Committee	District Level Monitoring Committee has been constituted	Meetings are taken on monthly basis District Environment Committee.	District Administration and PPCB, , Civil Surgeon	Regular Activity
8.	Wastewater Treatment	<ul style="list-style-type: none"> Total HCFs Required ETP=75 Total HCF install ETPs=4 	HCFs are being pursued to install the ETP. The meetings are being held with the association members.	PPCB	The possibility of providing CETP for all HCFs of the District be explored by 31.10.2023.
9.	Disposal of radioactive materials. With the proliferation of radiotherapy, nuclear medicine, X Rays, CT Scans and other equipment's using radioactive materials. (Directions of Hon'ble NGT in OA no. 710 of 2017 dated 18.01.2021)	No gap	<ul style="list-style-type: none"> Most of the Hospitals now have provided the digital X-Ray, hence no such waste is generated from digital X-ray. The Hospitals which have not provided the digital x-ray machine have made the agreement with the authorized agency for the disposal of its waste. 	Health department	Activity Completed

(iv) Hazardous Waste Management

a. Current Status related to Hazardous Waste Management

Details of Data Requirement	Present Status
No of Industries generating HW	6
Quantity of HW in the district (MT/Annum)	49.23
Quantity of Incinerable HW (MT/Annum)	Nil
Quantity of land-fillable HW(MT/Annum)	8.70
Quantity of Recyclable/utilizable HW(MT/Annum)	Recyclable=3.42 Utilizable=8.7
Nos. of captive/common TSDF	0
Contaminated sites or probable contaminated sites	0
Monitoring of ground water of common TSDF.	No common TSDF falls in the District Fazilka

b. Identification of gaps and action plan:

Sr. No.	Action points	Identification of Gaps	Action Plan	Responsible agency	Timeline for completion of action plan
1.	Regulation of industries sand facilities generating Hazardous Waste	The hazardous waste generating industries have already been identified and inventorized.	Regular camps are being organized to pursue the industries to obtain the authorization. New hazardous waste generating industries are being identified after making field visits. Also, each hazardous waste generating industry has provided impervious hazardous waste storage room for temporary storage of hazardous waste till its final disposal to hazardous waste disposal site.	PPCB	Regular activity
2.	Establishment of collection centres	Each hazardous waste	The industries generating hazardous	PPCB	Regular activity

		generating industry has provided impervious hazardous waste storage room for temporary storage of hazardous waste till its final disposal to hazardous waste disposal site	waste have already executed an agreement with TSDF and authorized recyclers for disposal of hazardous waste. However, a continuous follow up will be made to rule out unscientific disposal of hazardous waste by the industrial unit		
3.	Training of workers involved in handling/recycling/disposal of HW	No gap	The workers are being trained time to time for the management and handling of hazardous waste in industrial units.	Department of industries and PPCB	Regular activity
4.	Availability/Linkage with common TSDF or disposal facility	No gap.	The hazardous waste generating industries have already executed an agreement with TSDF and authorized recyclers for lifting of hazardous waste from their premises. However, new identification of hazardous waste generating industries is being carried out regularly.	PPCB	Regular activity
5.	Contaminated Sites	Nil	NA	NA	NA

(vi) E-Waste Management

a. Current Status related to E-Waste Management

Details of Data Requirement	Present Status
Inventory of E-Waste in MT/year	Not available
Collection centers established by ULBs in the District	1
Collection centers established by Producers or their PROs	2
No authorized E-Waste recyclers /Dismantler	0

b. Identification of gaps and action plan:

S. No.	Action points	Gaps in implementation	Action Plan	Responsible agency	Timeline for completion of action plan
1	Inventory / Generation of E-Waste / Bulk-waste generators	Inventorization of E-Waste / bulk waste generator is completed	To inventorize / identify all the e-waste generating establishments and bulk generators.	PPCB	Regular Activity
2	E-Waste collection points	Separate collection sites provided in all ULBs. Separate collection centre for e-waste in MRF is yet to be provided.	Allocation of ULB. Scheme will be prepared for collection of domestic hazardous waste	Department of Local Govt. • DDPO / Panchayati Raj	Activity Completed Preparation of action plan 30.09.2023 Execution starts from 01.10.2023 Completion: • 100 villages upto 31.12.2023 • 200 villages upto 31.12.2024 • 300 villages upto 31.12.2025 • 396 villages upto 31.12.2026
3	Linkage among Stakeholders to channelize E-Waste	Linkage among Stakeholders is being done	Work under progress	MC/NP	30.09.2023

4	Awareness and Education	Initiated	Special workshops And awareness campaigns through Producers/PROs is being carried out	District Administration & PPCB	Regular activity
5	Identification of Producers who have not obtained, EPR Authorization (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Initiated	This is a continuous activity and will be followed.	SPCBs/ PCCs/Custom department	Regular activity
6.	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
7.	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
8.	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
9.	Capacity building at district level. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	No gap	Workshops/seminars to educate functionaries is being organized on regular basis.	District Administration, PPCB & Local bodies.	Regular activity
10.	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
11.	Strengthen system of enforcement. (Directions of Hon'ble NGT in OA no.	No gap	Status of enforcement of Byelaws will be reviewed on	District Administration, PPCB & Local bodies	Regular activity

	512/2018 dated 15.01.2021)		Monthly basis by ADC(UD) and quarterly basis by Hon'ble Deputy Commissioner-cum-Chairman of District Environment Committee.		
12.	Allocation of proper space to the existing and upcoming industrial units for e-waste dismantling and recycling. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	No gap	State Government has already planned the focal points for industrial units. Proper space will be allocated to the existing and upcoming industrial unit for E waste dismantling and recycling facility.	PSIEC	Already done
13.	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
14.	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
15.	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	30.09.2023 as same will be established with the secondary points and establishment of the compactor.

3.0 Air Quality Management

a. Current Status related to Air Quality Management

Details of Data Requirement	Present Status
Number of Automatic Air Quality monitoring stations in the district.	
- Operated by SPCB / State Govt / Central govt./PSU agency:	0
- Operated by Industry:	0
Number of manual monitoring Stations operated by SPCBs	2
Name of towns/cities which are failing to comply with national ambient air quality stations	0
No. of air pollution industries	233
No. of units installed APCD	233
Status of Air consent	233 (once granted)
Prominent air polluting sources	Industry, Brick Kiln, Unpaved Roads, Burning of Waste Stubble& Vehicular pollution.

b. Identification of gaps and action plan:

S. No.	Action points	Indicative Action Plan	Responsible agency	Timeline for completion of action plan.
1.	Identification of prominent air polluting sources?	Small scale Industry (brick kiln & rice sheller), Unpaved Roads, Burning of Waste Stubble& Vehicular pollution.	PPCB, PWD & Agriculture Department	Regular activity
2.	Ambient Air quality data?	Two manual monitoring Station located at Vill. Peer Mohammad and at Municipal Council Office, Fazilka are being operated by Punjab Pollution Control Board. The data is also given in public domain for awareness to the public at official website of the PPCB. The web link of the same is https://ppcb.punjab.gov.in/en/air-quality	PPCB	Regular activity
3.	Setting up of Continuous Ambient Air Quality Monitoring Station (CAAQMS)	At present, there is no proposal for installation of CAAQMS at District Fazilka as this district does not falls in the list of 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 the public at official website of the PPCB. The web link of the same is https://ppcb.punjab.gov.in/en/air-quality	PPCB	Regular activity
5.	Conversion of Natural Draft Brick Kilns to Induced Draft Brick Kilns	No brick kiln should be operation without adoption of induced draft technology.	PPCB	Activity already completed
6.	Maintain pothole free roads / timely patchwork on roads	Patchwork of roads is a continuous process. As and when potholes are developed, the same are got repaired as soon as possible.	MCs and PWD	Regular activity
7.	Procurement of Mechanical sweeping machines	MC Abohar has already purchased one no. mechanical sweeping machine. MC Fazilka informed that one mechanical sweeping machine is available requires repairing.	MC Abohar MC Fazilka	Activity already completed 30.09.2023
8.	Plantation of trees along highways, drains, Nallahs in colonies and canals etc.,	Plantation is being carried out from time to time.	MCs/NPs	Regular activity
9.	Greening of parks, open areas, community places, schools and housing societies	Plantation drive will be carried out on regular basis to have a more plantation at different locations.	PPCB, Forest Dept.	Regular activity
10.	Kaccha/Brick Paved Roads to be made Pucca roads	The Paved roads/kaccha roads will be converted into pucca roads in each ULBs.	MCs/NPs	Regular Activity
11.	Existing roads requiring recarpeting	The roads of ULBs presently are in good condition. The re-carpeting will be done as and when required.	MCs/NPs	Regular activity
12.	Public awareness campaign for control of vehicular emissions	The camps are being organized on regular basis. Facebook, Twitter & Instagram) is also being used to spread traffic awareness. Quarterly camp will be organized for awareness.	Traffic Police, Transport Department	Regular activity
13.	Extensive drive against polluting vehicles	This drive against polluting vehicles has already been initiated by the Police department.	Traffic Police	Regular activity
14.	Prevention parking of vehicles in non-designated areas by enforcement actions	This drive has already been initiated by the Police department to prevent parking of vehicles in non-designated areas. Challans are also been issued to the violators.	Traffic Police	Regular activity

15.	Phasing out commercial diesel vehicles more than 15 years old	Scheme under consideration.	Transport	31.12.2023
16.	Promotion of E-Vehicles	Promotion of E-vehicles is being carried out.	Transport	Regular activity
17.	Infrastructure development for additional of CNG based autos/taxis	Infrastructure will be developed to promote CNG based autos/taxis. Also IEC activities will be carried out to create awareness in this regard.	DFSC	Regular activity
18.	Control of open burning of bio-mass.	Regular monitoring is being done in each ULB.	MCs/NPs	Regular activity
21.	Quality Management Division(AQMD) at PPCB (HQ)	Provided at Head Office, Patiala	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 will be done by public participation mode.	Department of forest	Regular Activity
24.	For development of plantation along the highways.	This derive will be carried out on regular basis for development of plantation along the highways.	PWD & Deptt.of Forest	Regular Activity
25.	Steps to be taken for management of agriculture waste/residue	<ul style="list-style-type: none"> In order to management of agriculture waste / residue, Deptt. of Agriculture is providing machines to the farmers by giving subsidy on the rates. No. of CRM machines available 2890 and it will cover area of 74,924 hectare. IEC activities like farmer training camps, Hoarding and field demonstrations are also being carried out to spread the awareness amongst the farmers. 	Agriculture department	Regular Activity.

4.0 Water Quality Management

4.1 Water Quality Monitoring

a. Current Status related to Water Quality Management

Details of Data Requirement	Present Status
Rivers	0
Drains	43
Length of Coastline(if any)	0
Nalas/Drains/Creeks meeting Rivers	1
Lakes/Ponds	308
Total Quantity of sewage and industrial discharge in District	Sewage : 50.0 MLD Industrial : 3.6 MLD
Percentage of untreated sewage	20 %
Details of bore wells and number of permissions given for extraction of groundwater	0
Ground water polluted are as if any	0

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

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Inventory of water bodies	Rural = 405 ponds Urban = 1 pond (as per Action plan for rejuvenation of ponds dated 31.05.2020)	Drainage Deptt./DDPO	Regular activity
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 drains/Nallah. Patrolling along the drains is also being carried out by the concerned departments to rule out the	MCs/NPs & Deptt. of Drainage.	Regular activity

		disposal of solid waste in an around water bodies.		
5.	Inventory of sources of water pollution	Source of pollution into drains / nallahs is already identified. New source of pollution are also being identified.	MCs/NPs, Drainage department.	Regular Activity
6.	Oil spill disaster management (for coastal districts)	NA	NA	NA
7.	Protection of flood plains	NA	NA	NA
8.	Rejuvenation of ground water	Action plan for Rain water harvesting prepared by CGWB. http://cgwb.gov.in/gwresource.html	Department of Water Resources / DDPO/ PUDA	Regular Activity
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

4.2 Domestic Sewage

a. Identification of gaps and action plan for treatment of domestic sewage

Details of Data Requirement	Present Status
No of Class-II towns	1
No of Class-I towns	2
No of Towns STPs installed	3
No of Towns needing STPs	2
No of ULBs having partial underground sewerage network	3 (partially)
No of towns not having sewerage network	1
Total Quantity of Sewage generated in District from Class-II cities and above	50 MLD
Quantity of treated sewage flowing into Rivers(directly or indirectly)	49 MLD
Quantity of untreated or partially treated sewage(directly or indirectly)	7 MLD
Quantity of sewage flowing into lakes	0
Total available Treatment Capacity	46 MLD

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

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of Action plan
1.	Sewage Treatment (STPs)	MC Abohar STP of capacity 25MLD has already	MC, Abohar	Already completed and commissioned

		installed and made operational.		
		MC Fazilka STP of capacity 13 MLD based on SBR technology completed and commissioned in April/2023.	MC, Fazilka	Activity completed
		MC Jalalabad STP of capacity 8 MLD is operational and no land made available by MC for setting up of new STP of capacity 7 MLD at Jalalabad	MC, Jalalabad	New STP: 7 mld 30.06.2024
		MC Arniwala SS PWSSB informed that for installation of 2 MLD capacity STP for Arniwala town, funds awaited. DPR will be approved soon.	MC, Arniwala SS	30.06.2024
2	Underground sewerage network	The status of sewerage network for different towns of Distt. Fazilka is as under: Abohar = 80% Fazilka = 100% Jalalabad = 100% Arniwala SS = No sewer exists The DPR for remaining work has been prepared to complete pending work.	PWSSB	30.09.2023 Activity completed Activity completed 31.12.2023

3.	Setting up of real time water quality monitoring system to monitor the quality of water	Only creek of river Sutlej in the jurisdiction of District Fazilka.	NA	NA
4.	Operation and Maintenance of STPs (i) Arranging funds for operation and maintenance of STPs to ensure regular operation and maintenance of STPs in Water (Prevention & Control of Pollution) Act, professional manner	Completed in Fazilka, Abohar and Jalalabad Arniwala SS = STP yet to be commissioned	Dept. of Local Govt. and PWSSB	Regular Activity
	(ii) Providing proper in-house laboratory facilities at each STP for maintaining record of characteristics of analysis of untreated as well as treated waste water	STP Abohar – Existing STP Jalalabad & Fazilka – Not existed	PWSSB / ULBs	Not provided
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	ADC (D) / DDPO / XEN Panchayati Raj	Technology already finalized
	(ii) Arrangement of Funds for treatment technology in various villages identified in the Action Plan	For treatment system, to treat the pond water of 83 villages, work of 61 villages have been completed and the treatment of wastewater of the ponds of remaining villages is going on. Further work in other villages will be initiated in the phase wise manner.	DDPO & Xen Panchayati Raj	Completion: <ul style="list-style-type: none"> • 30 villages upto 31.12.2023 • 50 villages upto 31.12.2024 • 70 villages upto 31.12.2025 • 83 villages upto 31.12.2026
	(iii) Reuse of water for agriculture	For 3 no. of village ponds, irrigation scheme has already been	DDPO, Soil conservation	31.12.2023

	purpose in villages.	implemented. Work for remaining 18 village ponds is under progress under the MGNREGA Scheme.	department & Xen Panchayati Raj.	
	(iv) Proper operation and maintenance of treatment facilities installed in village ponds	Treatment system, to treat the pond water of 83 villages, work of 61 villages have been completed and the treatment of wastewater of the ponds of remaining villages is going on. Further work in other villages will be initiated in the phase wise manner. Operation and maintenance of treatment facilities is being carried out. The work for remaining villages is under progress under the MGNREGA Scheme	DDPO & Xen Panchayati Raj	Regular activity
6.	(i) Checking of health indices of the in-habitants & maintain database. (ii) Holding awareness camps in the catchment area of River Sutlej to make the public aware regarding water borne diseases	Camps are organized on monthly basis	The Department of Health and Family Welfare	Regular activity
7.	To stop unauthorized discharge in the drains.	The regular survey is being done by the concerned departments to stop unauthorized discharge in the drains.	Department of water resources, and Department of Rural Development & Panchayats.	Regular activity
8.	Setting up of additional water bodies/water harvesting structures	<ol style="list-style-type: none"> 1. Amrit Sarovar (New village ponds) have been completed in 40 villages from target 75 villages and work is under process in remaining villages. 2. Rain water harvesting structures have been developed in the 50 no. Government schools of the District. 3. De-silting of all the existing 364 ponds of the district have already been done. 	ADC (D) / DDPO / XEN Panchayati Raj	Regular activity

9.	Guidelines for control of pollution and enforcement of Environmental	Being implemented as per guidelines framed by CPCB. Total no. of units: 31	PPCB / Local Govt/ District Administration	Regular activity
	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)	<ul style="list-style-type: none"> 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 	on / Dept. of Fire Safety	
10.	Installation of ETP in all big units (marriage halls, banquet halls, party venues etc) which are not connected with the sewer lines. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	Being implemented as per guidelines framed by CPCB. <ul style="list-style-type: none"> Total no. of units: 31 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
11.	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	31.12.2023
12.	The local authorities/corporation should carry out inventory of the dairy farms and gaushalas. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	Being prepared.	MCS/NPs	30.09.2023

13.	The local bodies/municipal corporations shall publish a public notice in newspapers and on their website for registration of dairy farms and gaushalas as per municipal law. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	The Public notice will be given in the Newspaper and on the website of local body for registration of dairy farms and gaushalas.	All local bodies &DDPO	31.12.2023
14.	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 Committee has been formed	District Administration, ULB & department of irrigation	State level committee formed
15.	There must be no general permission for withdrawal of ground water, particularly to any commercial entity, without environment impact assessment of such activity on individual Assessment units in cumulative terms covering carrying capacity aspects by an expert committee. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Noted for compliance and will be assured.	All local bodies &DDPO	Regular activity

16.	All Overexploited, Critical & Sensitive (OCS) assessment units must undergo water mapping. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Water mapping of all the OCS assessment units has been carried out as per the guidelines of GOI as per GEC-2015 Methodology by taking Block as a Unit of Assessment. The data of years 2015-19 has been taken for assessing the same recently.	Water Resources	Activity Completed
17.	Water Management Plans need to be prepared for all OCS assessment units in the country based on the mapping data, starting with Overexploited blocks. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Punjab Government has engaged M/s Mekorot, National Water Company of Israel to formulate the Water Conservation and Management Master Plan for the State of Punjab and their final recommendations is likely to be submitted by December 2021.	Water Resources	completed
18.	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, department of water resources	completed
19.	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)	Restoration of pond is under process	DDPO / Panchayati Raj	30.06.2026

20.	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 1of Hon'ble NGT in OA no. 325/2015 dated 18.11.2020)	A proposal will be prepared in coordination with technical bodies to tap excess run of rivers / canals to rainfall season to recharge old water bodies and to retain water in new ponds.	DDPO	31.12.2023
21.	Land owning agencies must ensure that every water body has unique ID for its identification. There should be retagging of the water bodies to prevent encroachment. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Already implemented	Drainage Department	Activity Completed
22.	Awareness among public to set up Rainwater Harvesting System and about its utility should be enhanced. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Being carried out by all ULBs.	Local Bodies	Regular Activity
23.	Installation of STP will be mandatory for all residential apartments/group housing societies where groundwater requirement is more than 20 m3/day for getting NOCs. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Directions are already being followed.	MCs/NPs	Regular Activity

24.	Comprehensive plan to install flow meters at various locations to carry out daily real time monitoring of the city's water supply network. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Directions will be followed.	Local Govt., ADC (UD)&PWSS B	implementation 30.09.2023.
25.	Control of illegal extraction of groundwater. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Inspections are being made to control illegal extraction of ground water.	All Local Bodies	Regular Activity
26.	Review of District Environmental Plan activities at different levels of District Heads and District Magistrate. (Directions of Hon'ble NGT in OA no. 360/2018 dated 05.07.2021)	The Activities of District Environmental Plan will be reviewed on monthly basis by the District Heads and at the level of Deputy Commissioner.	District Heads of concerned departments and District Administration.	Regular activity
27.	Appointment of Nodal officer with contact number	All the departments have appointment the Nodal officer and list is attached as Annexure-1	All concerned departments	Completed
28.	Preparation of operational manual of STPs for the effective and efficient operation of the STPs of the state.	prepared	PPCB	Completed
29.	Enhancement of capacity of existing ponds/ water bodies and creating of new water harvesting structures.	A. Existing Ponds(Total) = 308 Source of Funds above activities: Gram Panchayat Fund, Finance Commission, MGNrega.	ADC (D) / DDPO / XEN Panchayati Raj	Completion time: 30.06.2026
30.	Usage of treated sewage for sprinkling purposes for sweeping of roads to control dust pollution.	The treated sewage of STPs will be used for sprinkling purposes for sweeping of roads to control dust pollution.	MC Fazilka, Abohar& Jalalabad.	Regular activity

31.	Mapping of the rivers and flood plain zones in the catchment area of rivers of the State.	NA	NA	NA
32.	Utilization of STPs sludge	STP sludge is used by the farmers as manure.	MC Fazilka, Abohar & Jalalabad.	Regular activity
33.	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
34.	Reuse of treated effluent through existing STPs (OA no. 496/2016 dated 22.01.2021)	STP Fazilka : Irrigation system of 8.50 km length laid for old stp STP Abohar: Pipeline covering area of about 700 hectares will be laid for irrigation with an approx. . cost of Rs. 22 Crore. STP Jalalabad : Irrigation system of 8.22 km length laid	Department of Soil conservation, ULBs/PWSS B	30.09.2023 Abohar = 31.12.2022 Activity Completed
35.	Reuse of treated effluent through proposed STPs (New STPs) (OA no. 496/2016 dated 22.01.2021)	STP Fazilka : for new STP pipeline is to be laid STP Jalalabad : for new STP pipeline is to be laid	Department of Soil conservation, ULBs/PWS SB	30.09.2023 31.12.2023
36.	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"> One STP of 25 MLD has already been installed and made operational. Also OCEMS and CCTV camera have already been installed with the said STP. 	PWSSB / ULBs	STP Jalalabad : 30.09.2023

5.0 Industrial wastewater management

a. Current Status related to Industrial Waste water Management

Number of Red, Orange, Green and White industries in the District	Red Category unit = 22 Orange Category unit = 260 Green Category unit = 42
Number of Industries discharging wastewater	44
Total Quantity of industrial wastewater generated	3.6 MLD
Quantity of treated industrial wastewater discharged into Nalas/Rivers	Nil
Common Effluent Treatment Facilities	NA
Number of Industries meeting Standards	Regular activity, as industries are being monitored as per protocol prescribed by CPCB / PPCB
Number 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 waste water:

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

6.0 Mining Activity Management plan

a. Current Status related to Mining Activity Management

Details of Data Requirement	Existing Mining operations
Type of Mining Activity	Sand mining
No. of licensed Mining operations In the District	Nil
Area covered under mining in the District	NA
Area of Sand Mining	NA

b. Identification of gaps and action plan:

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Monitoring of Mining activity	Mining activity is carried out at one number village namely Chak Gariban Sandar, 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 Fazilka.	Department of water resources	Regular Activity
3.	Environment compliance by Mining industry	Regular surveillance, patrolling is being carried out to check the compliance.	Department of water resources	Regular activity
4.	Demarcation of boundaries for regulating grant of sand mining lease. (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 Department by DGPS System.	Drainage Department	Regular Activity

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

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

	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)	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.	Department	been done, time of completion 31.10.2023.
17.	Sensitive spots need to be identified and police presence- both static presence and dynamic patrolling needs to be beefed up there. DMs / SSPs be made directly responsible for checking illegal mining.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	Police presence- both static presence and dynamic patrolling is being done on sensitive spots.	Police Department	Regular Activity
18.	Storage Godowns should be at least 5 kms away from the river bank. Otherwise, illegal mining can be carried on under the garb of storage by the leaseholder himself.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	The storage godowns/ stock yards established outside the river bank and maximum storage godowns more than 5kms from the pit site, after proper demarcation and assessment of the minor mineral with the help of revenue department, pillaring/ fencing of the storage/stock yard is done on site and entries of that storage/stock is entered in Govt. Portal. However, during the upcoming monsoon season more effective measures will be taken up for compliance of this guideline.	Drainage Department	Regular Activity
19.	Geo-fencing of sites, their physical demarcation, allotment of geo-coordinates to all the pillars and their constant physical inspection and electronic surveillance is a must to ensure that the mining activity is as per the approved mining plan and no illegal mining, detrimental to environment, is going	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	Drainage Department	Completed

	on. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	activity is as per the approved mine plan.		
20.	There has to be a mechanism to ensure that the actual mining activity conforms to the approved Mining Plan and the approved Environment Management Plan (EMP). Besides the statutory system of Departmental inspections, there has to be a system of annual mandatory Environmental Audit by experts. Environment Department can empanel some experts/expert institutions with standard TORs and Remuneration terms which could be utilized by the Mines Department on a regular basis. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	In state of Punjab, a Govt. Web Portal has been introduced for the transparent function of extraction/ transportation/ sale of minor mineral. In which the record of extraction is maintained and a team of experts audits this system annually. To bring the transparency in system, each weightment slip provided to the transporter, contains a QR Code & can be scanned by any smartphone available in market, to get the desired information of the minor mineral.	Drainage Department	Regular Activity
21.	There has to be an effective mechanism for restoration of environment in case of its degradation due to mining. A portion of the royalty could be reserved for it as Environment Restoration Fund. The Environment Department can empanel some reputed institutions 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)	At present stage no such problem or situation occurs in District Fazilka& 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.	Drainage Department	Regular Activity
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 Fazilka prepared by Mining Department is uploaded on the website of District Fazilka. During the action against illegal mining activity, if any type of vehicle (Tractor Trolley/Truck/Tipper/JCB/Po	Drainage Department	Regular Activity

		claim/ other vehicle) got impounded/seized during the action, after the proper legal procedure taken by the concerned department the such vehicle is released.		
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

7.0 Noise Pollution Management Plan

(a) Current Status related to Noise Pollution Management

Details of Data Requirement	Measurable Outcome
No. of noise measuring devices available with various agencies in district	Name of agency = Police and PPCB Nos. of analyzers required =8 Nos. of analyzers available =0 Timeline to arrange balance noise analyzers = 8

(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 = 8 Nos. of analyzers available = 0 Timeline to arrange balance noise analyzers = 8 	PPCB and Police Department	31.12.2023
2.	Ambient Noise Level monitoring	Regular monitoring of the industry as well as during the festival season is carried out	PPCB	Regular activity
3.	Sign boards in Noise zones	12 Sign boards are installed at sensitive zones. More sign board will be installed	ULBs/DDPO	30.09.2023
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	Activity Completed
5.	Checking of pressure horn of vehicles	Regular checking of vehicle is being done by the police department.	Police Department	Regular activity.

List of Nodal Officers (Annexure-1)

List of the Nodal Officers of the stakeholder Departments

Sr. no	Name of the Department	Nodal Officer Name	Designation	Mobile no.	Email Id
1.	District Administration	Dr. Senu Duggal, IAS	Deputy Commissioner-cum-Chairman of District Environment Committee	98141-42188	dc.fzk@punjab.gov.in
2.	District Administration	Smt. Avneet Kaur, PCS	ADC(G & UD), Fazilka	98555-94570	adcurban.fazilka@gmail.com
3.	Municipal Corporation, Abohar	Dr. Senu Duggal, IAS	Commissioner	98141-42188	eomcabh@yahoo.in
4.	MC Fazilka	Sh. Mangat Ram	EO Fazilka	94631-14464	eomcfzk@gmail.com
5.	MC Jalalabad	Sh. Gurdas Singh	EO Jalalabad	99888-65240	eomcjb@gmail.com
6.	NP Arniwala SS Sheikh Subhan	Sh. Gurdas Singh	EO Arniwala SS Sheikh Subhan	99888-65240	eonparniwalass@yahoo.com
8.	Punjab Pollution Control Board, Regional Office, Faridkot	Sh. Anish Sharma	AEE	90418-87743	ppcbfdk@yahoo.com
9.	Regional Transport Authority, Fazilka	Sh. Karanbir Singh Chinna	RTA	98724-26400	rtaferozepur05@gmail.com
10.	Police Department	Sh. Sukhwinder Singh	DSP (HQ), Fazilka	82838-32057	ssp.fzk.police@punjab.gov.in
11.	District Development and Panchayat Office, Fazilka	Sh. Sanjeev Verma	DDPO	84279-00078	ddpofazilka@yahoo.com
12.	Department of Soil & Water Conservation, Fazilka	Sh. Charanjeet Singh	SDSCO	89683-65775	dscfzk@gmail.com

13.	Department of Water Resources & Drainage, Fazilka	Sh. Alok Chaudhary	Executive Engineer	88001-20292	xendcdfzr@gmail.com
14.	PWD (B&R), Fazilka	Sh. Satwant Kumar Narula	Executive Engineer	98889-24852	eecwdaboharpwd@gmail.com
15.	Punjab Water Supply & Sewerage Board, Abohar	Sh. Rahula Kaushal	Executive Engineer	97800-16670	sdepwssbfzk@gmail.com
16.	Agriculture Department, Fazilka	Sh. Gurmeet Singh Cheema	CAO	94787-15415	cao.fazilka@gmail.com
17.	Forest Department, Fazilka	Sukhdev Singh	FRO	94171-89703	fzrconservator@gmail.com
18.	District Food & Civil Supply Officer, DFSC, Fazilka	Sh. Himanshu Kakkar	DFSC	95010-77477	fazilkadfsc@gmail.com
19.	Education Department, Fazilka	Dr.S.S Bal	DEO(Sr.)	94644-10206	deose.fazilka@punjabeducation.gov.in
20.	Health Department, Fazilka	Dr. Satish Goyal	CMO	98142-15614	nhmfazilka2018@gmail.com
21.	Labour Department Fazilka	Sh. Raghvir Singh	Inspector	89689-03499	leo.fzkg2@punjab.gov.in
22.	Director of Factories Fazilka	Sh. Gaurav Puri	Deputy Director, Director of Factories	70093-22518	lcobalwindersingh@gmail.com