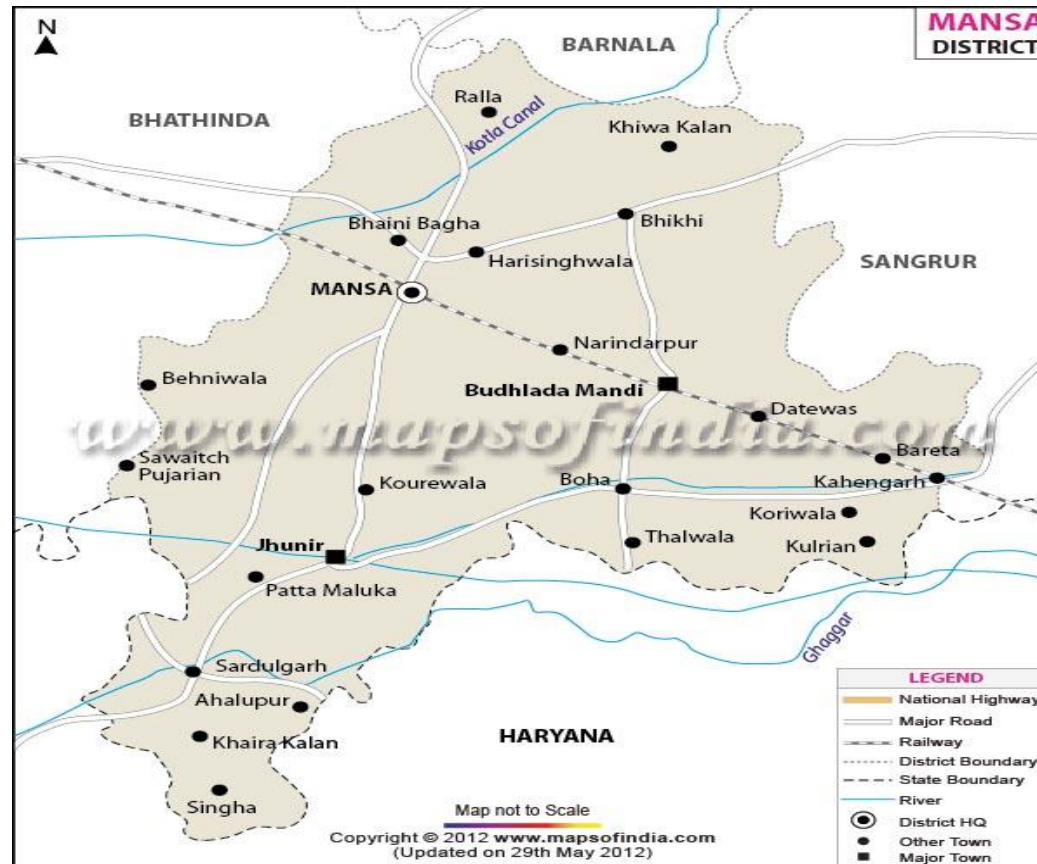


District Environment Plan-Mansa



District Administration - Mansa



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1. DISTRICTPROFILE

Mansa was formerly a part of Phulkian Sikh Dynasty (1722–1948) then part of Kaithal Sikh Kingdom (1762–1857). Mansa became District on 13 April 1992 from the erstwhile Bathinda District. The city is said to have been founded by Bhai Gurdas who hailed from Dhingar, Mansa District. Mansa is one of the twenty two districts of State of Punjab. Mansa District located in the Southern part of the Punjab State and lies between North latitudes of 29° 32' and 30° 12' and east longitudes of 75° 10' and 75° 46' covering a geographic ambience of 2174 sq.km.

The total population of District Mansa is 7, 69,751. The district is roughly triangular in shape and is bounded on the northwest by Bathinda district, on the northeast by Sangrur District, and on the south by Haryana state. It is situated on the Bathinda-Jind-Delhi railway and the Barnala - Sardulgarh - Sirsa road.

Administratively, the district is divided into 3 Tehsil viz., Mansa, Sardulgarh & Budhlada comprising of 5 development blocks. The total population of the district is 7, 68,808. Majority of the population reside in rural area. The rural and urban population as percentage to the total population are 78.75 % and 21.25% respectively. The decennial growth rate (1991-2001) of population in the district is 11.8%. The literacy rate is 58.08% and the population density is 350 persons/sq.km. The Ghaggar River and its adjoining drains, forms the natural drainage system of the District Mansa. SirhindChoe is the major drain which falls in river Ghaggar in Haryana State after collecting the water from Bhikhi, Budhlada, Bareta and Boha.

The District Mansa have five blocks i.e. Mansa, Budhlada, Sardulgarh, Bhikhi and Jhunir the detail of which is given as under:

(a) Mansa Block:

This block consists of 43 villages and 2 towns namely Mansa and Joga and there is no un-inhabited villages. As per 2011 census, the total population of the block is 3,04,709. The rural population of the block is 2,17,002 out of which, there are 1,15,960 males and 1,01,042 females. The block is having total area of 895 km². Out of which the rural area covers 864 km².

(b) Budhlada Block:

Budhlada Block comprises of 85 villages, 2 cities namely Budhlada and Bareta and 2 villages are un-inhabited. The total population of the block is 2,29,122 as per 2011 census. The population in rural area is 1,90,715 out of which 1,01,142 are males and 89,573 are females. Budhlada town has population of 23,521 and Bareta has population of 14,886. The block is having total area of 713 km². Out of which the rural area covers 702.99 km².

(c) Sardulgarh Block:

This block consists of 42 villages and 1 town i.e. Sardulgarh and there are no un-inhabited villages. As per 2011 census, the total population of the block is 1,54,927. The rural population of the block is 1,38,612 out of which there are 73,661 males and 64,951 females.

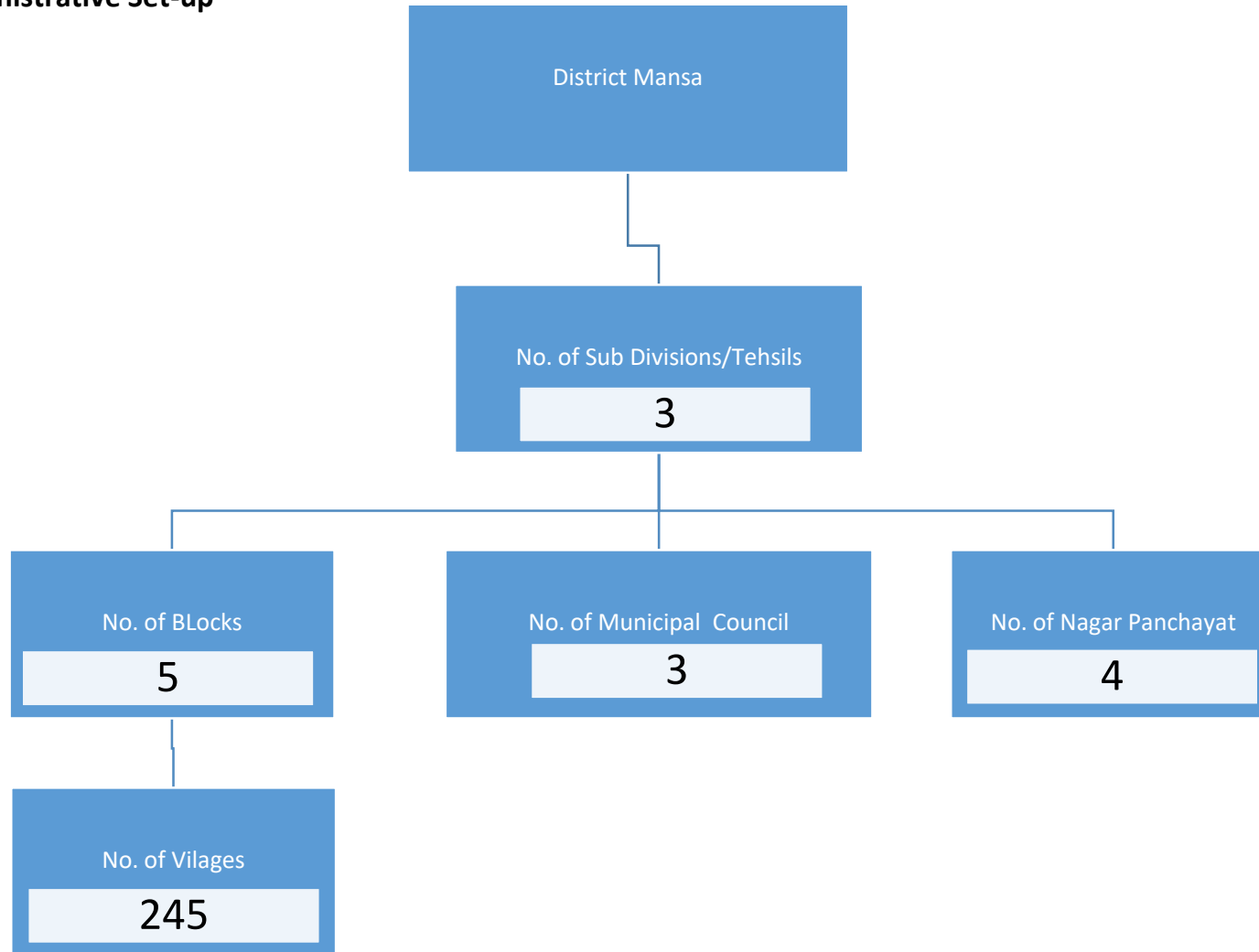
(d) Bhikhi Block:

This block consists of 33 villages and 1 town i.e. Bhikhi and there are no un-inhabited villages. As per 2011 census the rural population of the block is 89,830 out of which there are 48,467 males and 41,363 females.

(e) Jhunir Block

This block consists of 43 villages with no town and there are no un-inhabited villages. As per 2011 census, the total population of the block is 92,782 out of which there are 49,892 males and 42,890 females. The block is having total area of 34.49 km².

(i) District Administrative Set-up



(ii) Local institutions

In District Mansa, there are total 3 Sub-Divisions/Tehsils. There are 5 Blocks, 3 Municipal Council and 4 Nagar Panchayat. There are total 245 Villages in the District.

(iii) Natural Resources

a. Water bodies

- River Ghaggar

River Ghaggar originates from the Shivalik foot hills and enters into the State of Punjab near village Kakrali, Tehsil Dera Bassi, Distt. SAS Nagar, after passing through territory of State of Himachal Pradesh and Haryana. It receives municipal sewage of various towns including Nahan, Parwanoo as well as Kala Amb etc. falling in the jurisdiction of State of Himachal Pradesh. River Ghaggar after passing through the Districts of Mohali, Patiala and Sangrur, passes through State of Haryana and then enters District Mansa at Sardulgarh.

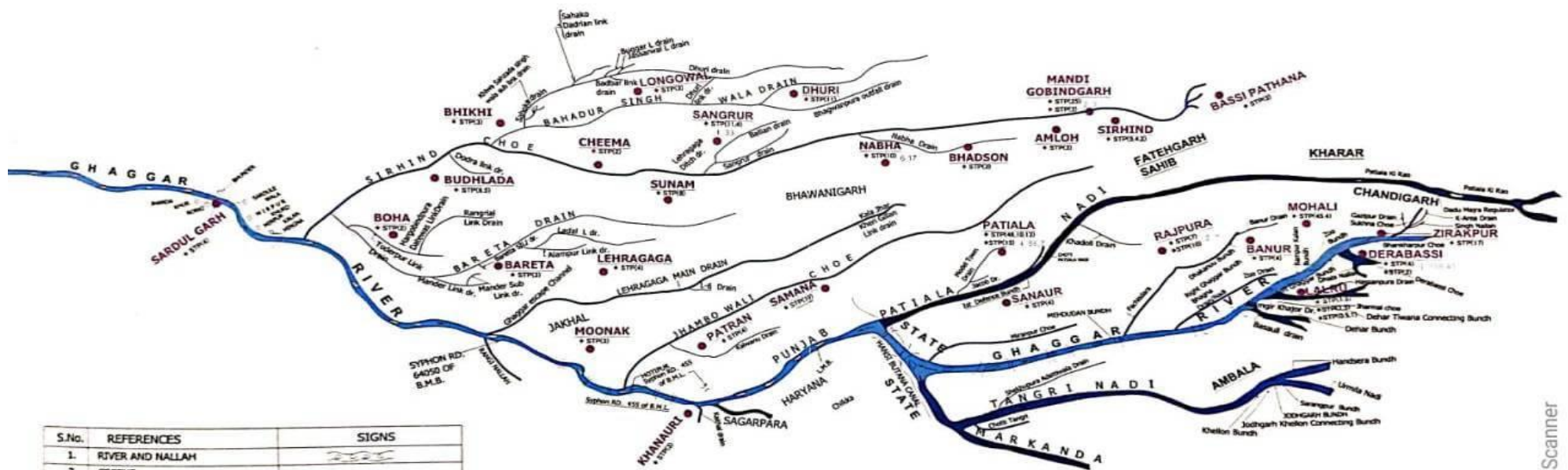
- Sirhind Choe

Sirhind Choe originates near Bassi Pathana in District Fatehgarh Sahib which passes through District Mansa and a number of towns / villages discharges their treated / untreated domestic waste water into this drain directly/ indirectly through subsidiary drains. The treated domestic waste water of various towns i.e. Budhladha, Bhikhi and Baretta is discharged into this drain. However, the STP at Boha is under installation. The drain flows into river Ghaggar at village Kheri, Haryana. Total stretch of Sirhind Choe is 166 Km and its estimated discharge is 245 MLD. There is no industry which discharges its treated or untreated trade effluent into this drain. Apart From this untreated of effluent of 41 villages fall into Sirhindchoe directly or indirectly further leading to River Ghaggar.

The status of Management of Water Quality in the District, as per the proforma template supplied by the CPCB is given at Annexure-G.

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

SOURCES OF POLLUTION IN RIVER GHAGGAR



S.No.	REFERENCES	SIGNS
1.	RIVER AND NALLAH	
2.	CREEKS	
3.	EXISTING BUNDH	
4.	PROPOSED BUNDH	
5.	CANAL	
6.	S.T.P.	<ul style="list-style-type: none"> • EXISTING • PROPOSED • PARTIALLY INSTALLED
7.	INDUSTRIAL AREA	
8.	MAJOR TOWNS	
9.	MAJOR DRAINS	

b. Availability of water resources

The major source is surface water as well as ground water. However as per CGWA report the ground water development in 3 blocks of the District has been categorized as over exploited i.e. Bhikhi, Budhladha and Sardulgarh.

c. Forest coverage

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

Sr. no.	Category of area	Ownership	Area in Ha
1.	Reserve Forests	Govt., of Punjab	0.00
2.	Protected Forest	Govt., of Punjab	0.00
3.	Protected Forest	GOI (PF)	0.00
4.	Un-classed Forest	Govt., of Punjab	19.00
Total Block Forest			19.00
Strips Forest (Protected Forest)			
5.	Road Strips (P.F)	Govt., of Punjab	602.00
6.	Railway Strips (P.F)	Govt., of Punjab	253.00
7.	Canal Strips (P.F.)	Govt. of Punjab	1592.28
8.	Drain Strips(P.F)	Govt. of Punjab	223.22
9.	DHussi Bands (P.F.)	Govt. of Punjab	918.95
Total Strips Forest (Protected Forest)			2670.50
Total Forest Area			2689.50

(iv) Geography & Demography

Sr. No.	Title	District Mansa	Punjab State
1.	Area (Sq Km)	2174	50,362
2.	Population (in Lakh)	7.7 lakhs	277.04
3.	Rural Population (in Lakh)	6.06	173.2
4.	Urban Population (In Lakh)	1.63	103.84
5.	% Increase in Population (2001-2011) (Decennial Growth rate)	11.76	13.55
6.	Density of Population (per Sq km)	350	550
7.	Literacy %	61.83	76.7
8.	Sex Ratio (Females per thousand)	883	893

The total area of District Mansa is 2174km² having population 7.70 lakhs. The rural population of District Mansa is 6.06 lakh and urban population of District Mansa is 1.63 Lakh. The literacy rate of District Mansa is 61.83.

(v) Land-use pattern

Sr. No.	Title	Data of District Mansa
1.	Total Geographical Area (in Sq km)	2174
2.	Area under Forest (in Ha)	2900
3.	Net Area Sown (In Ha)	198,437
4.	Gross Cropped Area (in Ha)	375,260
5.	Total Area irrigated (in Ha)	177519
6.	% of Net Area irrigated to Total area sown	89.5%

The total Geographical Area of District Mansa is 2174km². The Net area sown & irrigated is 198.437 hectare. The gross cropped area is 375260hectare of District Mansa. The total reserved forest area of district Mansa is 2689.50hectare.

(vi) Climate

The climate in the area is typical semi-arid type with distinct wet and dry seasons. The normal average annual rainfall of the district is 378.2 mm. The rainfall occurs due to southwest monsoon which sets in the last week of June and withdraws towards end of September. The climate of Mansa district is classified as subtropical steppe, semi-arid and hot which is mainly dry except in rainy months and characterized by intensely hot summer and cold winter. During three months of monsoon season from July to September the district experiences high humidity, cloudiness and good monsoon rainfall.

The period from October to November Constitutes post monsoon season. The cold weather season prevails from December to February followed by hot weather season or Pre monsoon season which ends up to the last week of June.

The normal annual rainfall of Mansa District is 378 mm in 23 days which is unevenly distributed over the district. The southwest monsoon sets in last week of June and withdraws towards end of September and contributes about 83% of annual rainfall. July and August are rainiest month. Rest 17% of the annual rainfall occurs during Non-monsoon months of the year in the district increases from southwest to northeast.

ACTION PLAN

2. WASTE MANAGEMENT PLAN

(i) Solid Waste Management

(a) Current status related to solid Waste management

Sr. No.	Urban Local bodies	No of Wards	No of Households	Population	Solid Waste Generated(MT per day)
1.	Municipal Council, Mansa	27	16852	82,956	25
2.	Municipal Council, Budhlahda	19	8697	26,172	7
3.	Nagar Panchayat, Sardulgarh	13	4083	17,219	4
4.	Nagar Panchayat, Baretta	13	4200	19500	4
5.	Nagar Panchayat, Bhikhi	13	3907	19,500	4
6.	Nagar Panchayat, Boha	13	2508	12,008	2.5
7.	Nagar Panchayat, Joga	13	2028	10180	1
	Total	111	42275	187535	47.5

Sr. No.	Local Bodies	No of Village Panchayats /Blocks	No of Households	Population	Solid Waste Generated per day (MT)
1.	No of Villages Panchayats	245	117232	606147	151.5

(b) Identification of gaps and Acton plan:

Sr. No.	Action points For villages/ blocks/ town municipalities/ City	Identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan
1.	Segregation				
I.	Municipal Council, Mansa	Achievement - 95% Gap- 5%	Door to door awareness regarding source segregation and home composting is being done	EO, Mansa	31.12.2021
II.	Municipal Council, Budhladha	Achievement - 94% Gap- 6%	Door to door awareness regarding source segregation and home composting is being done	EO, Budhlada	31.12.2021
III.	Nagar Panchayat, Sardulgarh	Achievement - 95% Gap- 5%	Door to door awareness regarding source segregation and home composting is being done	EO, Sardulgarh	31.12.2021
IV.	Nagar Panchayat, Bareta	Achievement - 100% Gap- 0%	Door to door awareness regarding source segregation and home composting is being done	EO, Bareta	Activity Completed
V.	Nagar Panchayat, Bhikhi	Achievement - 96% Gap- 4%	Door to door awareness regarding source segregation and home composting is being done	EO, Bhikhi	31.12.2021
VI.	Nagar Panchayat, Boha	Achievement - 92% Gap- 8%	Door to door awareness regarding source segregation and home composting is being done	EO, Boha	31.12.2021
VII.	Nagar Panchayat, Joga	Achievement - 100% Gap- 0%	Door to door awareness regarding source segregation and home	EO, Joga	Activity Completed

			composting is being done.		
VIII.	Villages Panchayat (245)	Achievement - 5% Gap - 95%	Segregation not being Done in Maximum village and action plan is yet to be prepared	DDPO	30-06-2025 By 30-06-2023 = 82 Village By 30-06-2024 = 82 Village By 30-06-2025 = 81 Village
2.	Sweeping				
	Manual Sweeping				
I.	Municipal Council, Mansa	100% sweeping being done, no gap	NA	EO, Mansa	Regular activity and is being complied with.
II.	Municipal Council, Budhladha	100% sweeping being done, no gap	NA	EO, Budhlada	Regular activity and is being complied with
III.	Nagar Panchayat, Sardulgarh	100% sweeping being done, no gap	NA	EO, Sardulgarh	Regular activity and is being complied with.
IV.	Nagar Panchayat, Bareta	100% sweeping being done, no gap	NA	EO, Bareta	Regular activity and is being complied with.
V.	Nagar Panchayat, Bhikhi	100% sweeping being done, no gap	NA	EO, Bhikhi	Regular activity and is being complied with.
VI.	Nagar Panchayat, Boha	100% sweeping being done, no gap	NA	EO, Boha	Regular activity and is being complied with.
VII.	Nagar Panchayat, Joga	100% sweeping being done, no gap	NA	EO, Joga	Regular activity and is being complied with.
VIII.	Villages Panchayat (245)	Achievement - 8% Gap - 92%	More Man Power is required to complete the target.	DDPO	30-06-2025 By 30-06-2023 = 82 Village By 30-06-2024 = 82 Village By 30-06-2025 = 81 Village
3.	Waste Collection				
(i)	100% collection of solid waste	All ULB's = 100% collection d.Villages Arrangements	At Present Door to door collection is being done, and ULB's have provided compartmentalized tricycles, e rikshaws and mini collection trucks along with transport trolleys.	MC's DDPO &	Activity Completed

		are to be provided in villages panchayats (245) = Not adequate arrangements Achievement -4 % Gap-96%			For villages plan yet to be prepared Plan preparation by 31.03.2022 30-06-2025 By 30-06-2023 = 82 Village By 30-06-2024 = 82 Village By 30-06-2025 = 81 Village
(ii)	Arrangement for door to door collection				
a)	Municipal Council, Mansa	Required: 8 no. E-rikshaws, 52 no. rehris, 2 no. Tata Ace Available: 8 no. E-rikshaws, 52 no. rehris, 2 no. Tata Ace Gap: Nil	Requirement – Nil	MC's	Activity Completed
b)	Municipal Council, Budhladha	Required: 5 no. Tata ace, 24 no. tri-cycles, 1 no. JCB machine, 1 no. loader tractor, 3 tractor and 3 trollies and 5 No. E-riksahws. Available: 3 no. Tata ace, 24 no. tri-cycles, 1 no. JCB machine, 1 no. loader tractor, 3 tractor and 3 trollies Gap: 5 no. E- Rikshaws and 2 no. Tata Ace	There is additional requirement		30.06.2022
c)	Nagar Panchayat, Sardulgarh	Required: tri-cycle-18 no. and tractor trolly -2no. Available: tri-cycle-18 no. and tractor trolly - 2no. Gap: Nil	Requirement – Nil		Activity Completed
d)	Nagar Panchayat,	Required: 16no. Tricycles,	Requirement – Nil		Activity Completed

	Bareta	2 no. E-rikshaws, 2 no. Tractors-Trolleys and 20 no. Hand carts Available: 16no. Tricycles, 2 no. E-rikshaws, 2 no. Tractors-Trolleys and 20 no. Hand carts Gap: Nil			
e)	Nagar Panchayat, Bhikhi	Required: 17 rehris, 4 e-rikshaws Available: 17 rehris, 4 e-rikshaws Gap: Nil	Requirement – Nil		Activity Completed
f)	Nagar Panchayat, Boha	Required: tri-cycle-11 no. and tractor trolley -2no. Available: tri-cycle-11 no. and tractor trolley - 2no. Gap: Nil	Requirement – Nil		Activity Completed
g)	Nagar Panchayat, Joga	Required: 3 no. e-rikshaw & 1 no. rehri Available: 1 no. e-rikshaw & 1 no. rehri Gap: 2 no. e-rikshaws	Requirement–2 no. e-rikshaws		31.03.2022
h)	Villages Panchayat (245)	Arrangement for Villages Panchayats=Not adequate		DDPO	For villages plan yet to be prepare. Plan preparation by 31.03.2022 Activity completion date – 30.06.2025
(iii)	Waste Collection trolleys with separate Compartments				
a)	Municipal Council, Mansa	Required: 2no. Tata Ace Available: 2no. Tata Ace Gap: Nil		MC's	Activity Completed

b)	Municipal Council, Budhladha	Required: 3 Tata ace and 12 tricycles Available: 3 Tata ace and 12 tricycles Gap: Nil			Activity Completed
c)	Nagar Panchayat, Sardulgarh	Required: tractor trolly - 2no. Available tractor trolly - 2no. Gap: Nil			Activity Completed
d)	Nagar Panchayat, Bareta	Required: 2no. E rikshaws Available: 2no. E rikshaws Gap: Nil			Activity Completed
e)	Nagar Panchayat, Bhikhi	Required: 4 e-rikshaws, 17 rehris Available: 4 e-rikshaws, 17 rehris Gap: Nil			Activity Completed
f)	Nagar Panchayat, Boha	Required: tri-cycle-11 no. Available: tri-cycle-11 no. Gap: Nil			Activity Completed
g)	Nagar Panchayat, Joga	Required: 3 no. e rikshaws, 1 no. rehri Available: 1 e- rikshaw & 1 rehri Gap: 2 e-rikshaws			31.03.2022
h)	Villages Panchayat (245)	Arrangement for Villages Panchayats=Not adequate	Villages Panchayats (245) = • Total no. compartment wise solid Waste Collection trolleys/rikshaws required =490 Nos. Available = Nil	DDPO	Plan preparation by 31.03.2022 Activity completion date – 30.06.2025 By 30-06-2023 = 163 vehicles By 30-06-2024 = 163 vehicles By 30-06-2025 = 164 vehicles

(iv)	Mini Collection Trucks with separate compartments				
a)	Municipal Council, Mansa	Required: 2no. Tata Ace Available: 2no. Tata Ace Gap: Nil		MC's	Activity Completed
b)	Municipal Council, Budhladha	Required: 3 Tata ace and 24 tricycles Available: 3 Tata ace and 24 tricycles Gap: Nil			Activity Completed
c)	Nagar Panchayat, Sardulgarh	Required: tractor trolly - 2no. Available tractor trolly - 2no. Gap: Nil			Activity Completed
d)	Nagar Panchayat, Bareta	Required: 2 no. Tractors- Trolleys Available: 2 no. Tractors- Trolleys Gap: Nil			Activity Completed
e)	Nagar Panchayat, Bhikhi	Required: 1 no. tractor trolly& tata ace Available: 1 no. tractor trolly& tata ace Gap: Nil			Activity Completed
f)	Nagar Panchayat, Boha	Required: tri-cycle-11 no. Available: tri-cycle-11 no. Gap: Nil			Activity Completed
g)	Nagar Council, Joga	Required: 1 no. tata ace Available: - Gap: 1 tata ace			31.03.2021
h)	Villages Panchayat (245)	Arrangement for Villages Panchayats=Not adequate	Villages Panchayats (245) = • Total no. compartment wise solid Waste Collection trolleys/rikshaws required =490	DDPO	Plan preparation by 31.03.2022 Activity completion date – 30.06.2025 By 30-06-2023 = 163 vehicles By 30-06-2024 = 163 vehicles

			Nos. Available = Nil		By 30-06-2025 = 162 vehicles
(v)	Waste Deposition centers (WDC) (for domestic hazardous wastes)				
I.	Municipal Council, Mansa	Required = 5 Installed = 0	MC is planning to install bins for domestic hazardous waste in all MRFs.	EO, Mansa	31.12.2021
II.	Municipal Council, Budhladha	Required = 1 Installed = 0	MC is planning to install bins for domestic hazardous waste in all MRFs.	EO, Budhlada	31.12.2021
III.	Nagar Panchayat, Sardulgarh	Required = 18 Installed = 18	No gap.	EO, Sardulgarh	Activity Completed
IV.	Nagar Panchayat, Bareta	Required = 2 Installed = 1 Gap-1	MC is planning to install bins for domestic hazardous waste in all MRFs.	EO, Bareta	31.12.2021
V.	Nagar Panchayat, Bhikhi	Required = 1 Installed = 0 (under construction)	MC is planning to install bins for domestic hazardous waste in all MRFs.	EO, Bhikhi	31.12.2021
VI.	Nagar Panchayat, Boha	Required = 11 Installed = 11	No gap	EO, Boha	Activity Completed
VII.	Nagar Panchayat, Joga	Required = 1 Installed = 1	MC is planning to install bins for domestic hazardous waste in all MRFs.	EO, Joga	Activity Completed
VIII.	Villages Panchayat (245)	Required = 368 Installed = 0	Action plan yet to be prepared	DDPO	31-03-2022 for preparation of action plan For implementation -30.06.2025 122WDC by 30-06-2023 122 WDC by 30-06-2024 123 WDC by 30.06-2025
4	Waste Transport				
(i)	Review existing infrastructure	(i) Existing fleet is adequate in all ULB's. (ii) Segregated Waste transport possible in all ULBs.	Yes Yes	ULB's	Activity Completed
(ii)	Bulk Waste Trucks	Not required for	Not applicable	ULB's	Activity Completed

		management within ULB			
(iii)	Waste Transfer points	Not required for management within ULB		ULB's	Already Completed
5	Waste Treatment and Disposal				
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules).				
I.	Municipal Council, Mansa	Identified: 8 Bulk Waste generators identified having generation more than 100kg/day Complying: 8 no. Gap: Nil	Bulk waste generators are in directed to ensure compliance.	ULB's	Activity Completed
II.	Municipal Council, Budhladha	No BWG having generation greater than 100kgs/day		ULB's	Activity Completed
III.	Nagar Panchayat, Sardulgarh	No BWG having generation greater than 100kgs/day		ULB's	Activity Completed
IV.	Nagar Panchayat, Bareta	No BWG having generation greater than 100kgs/day		ULB's	Activity Completed
V.	Nagar Panchayat, Bhikhi	No BWG having generation greater than 100kgs/day		ULB's	Activity Completed
VI.	Nagar Panchayat, Boha	No BWG having generation greater than 100kgs/day		ULB's	Activity Completed
VII.	Nagar Panchayat, Joga	No BWG having generation greater than 100kgs/day		ULB's	Activity Completed
(ii)	Wet-waste Management: Facilities for central Bio-methanation/ Composting of wet waste.				
I.	Municipal Council, Mansa	119 Compost pits provided which are Functional and 6 more required	6 more compost pits required.	EO, Mansa	31.12.2021
II.	Municipal Council, Budhladha	30 Compost pits provided. Functional	Not required	EO, Budhlada	Activity completed.

		and adequate			
III.	Nagar Panchayat, Sardulgarh	29 Compost pits provided. Functional and adequate	Not required	EO, Sardulgarh	Activity completed.
IV.	Nagar Panchayat, Bareta	13 Compost pit provided functional and Adequate	Not required	EO, Bareta	Activity completed.
V.	Nagar Panchayat, Bhikhi	20 Compost pits provided. Functional and adequate	Not required	EO, Bhikhi	Activity completed.
VI.	Nagar Panchayat, Boha	19 Compost pits provided. Functional and adequate	Not required	EO, Boha	Activity completed.
VII.	Nagar Panchayat, Joga	14 Compost pits provided. Functional and adequate	1 more required	EO, Joga	Activity completed.
VIII.	Villages Panchayat (245)	Not adequate	Plan yet to be prepared.	DDPO	31-03-2022 for preparation of action plan. For implementation -30.06.2025 82 villages by 30-06-2023 82 villages by 30-06-2024 81villages by 30.06-2025
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction				
I.	Bulk Waste generators	8 BWG- MC Mansa	Agreement made with MC	EO Mansa	Activity completed.
II.	Municipal Council, Mansa	Requirement: 4 MRF's Available- 4 MRF's Gap:1 MRF	1 More MRF Required	EO, Mansa	31.12.2021
III.	Municipal Council, Budhlada	Requirement: 1 MRF Available- 1 MRF's Gap: Nil	Not required	EO, Budhlada	Activity completed.
IV.	Nagar Panchayat, Sardulgarh	Requirement: 1 MRF Available- 1 MRF's Gap: Nil	Not required	EO, Sardulgarh	Activity completed.
V.	Nagar Panchayat, Bareta	Requirement: 1 MRF Available- 1 MRF's	Not required	EO, Bareta	Activity completed.

		Gap: Nil			
VI.	Nagar Panchayat, Bhikhi	Requirement: 1 MRF Available- 1 MRF's Gap: Nil	Not required	EO, Bhikhi	Activity completed.
VII.	Nagar Panchayat, Boha	Requirement: 1 MRF Available- 1 MRF's Gap: Nil	Not required	EO, Boha	Activity completed.
VIII.	Nagar Panchayat, Joga	Requirement: 1 MRF Available- 1 MRF's Gap: Nil	1 more required	EO, Joga	Activity completed.
IX.	Villages Panchayat (245)	Not adequate	Plan yet to be prepared.	DDPO	31-03-2022 for preparation of action plan. For implementation -30.06.2025 82 villages by 30-06-2023 82 villages by 30-06-2024 81villages by 30.06-2025
(iv)	Disposal of inert and non- recyclable wastes: Sanitary Landfill				
I.	Municipal Council, Mansa	Requirement: 1 SLF Available- 0 SLF Gap: 1 SLF	Site yet to be identified	EO, Mansa	SLF completion date 30.06.2022
II.	Municipal Council, Budhladha	Requirement: 1 SLF Available- 0 SLF Gap: 1 SLF	Site identified	EO, Budhlada	SLF completion date 30.06.2022
III.	Nagar Panchayat, Sardulgarh	Requirement: 1 SLF Available- 0 SLF Gap: 1 SLF	Site identified	EO, Sardulgarh	SLF completion date 31.03.2022
IV.	Nagar Panchayat, Bareta	Requirement: 1 SLF Available- 0 SLF Gap: 1 SLF	Site identified, yet to be procured	EO, Bareta	SLF completion date 30.04.2022
V.	Nagar Panchayat, Bhikhi	Requirement: 1 SLF Available- 0 SLF Gap: 1 SLF	Site identified	EO, Bhikhi	SLF completion date 30.06.2022
VI.	Nagar Panchayat, Boha	Requirement: 1 SLF Available- 0 SLF Gap: 1 SLF	Site identified	EO, Boha	SLF completion date 30.06.2022

VII.	Nagar Panchayat, Joga	Requirement: 1 SLF Available- 0 SLF Gap: 1 SLF	Site identified	EO, Joga	SLF completion date 30.06.2022
VIII.	Villages Panchayat (245)	Not adequate	Plan yet to be prepared	DDPO	31-03-2022 for preparation of action plan. For implementation -30.06.2025 82 villages by 30-06-2023 82 villages by 30-06-2024 81villages by 30.06-2025
(v)	Remediation of historic / legacy dumpsite				
i.	Municipal Council, Mansa	2 no. existing legacy waste sites of quantity around 200000 MT required remediation. Total legacy waste =200000 MT Remediated = 0MT Gap=2,00,000MT	About 200000 MT approximately of solid waste is lying dumped at the site which needs remediation.	EO, Mansa	21.12.2023
ii.	Municipal Council, Budhladha	Total legacy waste = 52000 MT Remediated = 20000MT Gap=32000MT	Mechanical separator purchased and remediation started.	EO, Budhlada	30.06.2022
iii.	Nagar Panchayat, Sardulgarh	Total legacy waste = 30000MT Remediated=0 Gap=30000MT	Mechanical separator not yet purchased.	EO, Sardulgarh	30.06.2022
iv.	Nagar Panchayat, Bareta	Total legacy waste = 1000 MT Waste Remediated = 1000MT Gap=0 MT	Work complete	EO, Bareta	Activity Completed
v.	Nagar Panchayat, Bhikhi	Total legacy waste = 8000 MT Waste Remediated = 6000 Gap = 2000MT	Machinery Purchased work started.	EO, Bhikhi	30.06.2022

vi.	Nagar Panchayat, Boha	Total legacy waste = 4000 MT Waste Remediated = 3000 MT Gap= 1000 MT	Machinery Purchased work started.	EO, Boha	30.06.2022
vii.	Nagar Panchayat, Joga	Total legacy waste =500 MT Waste Remediated = 200 MT Left= 300 MT	Mechanical separator purchase windrow formed and remediation work started.	EO, Joga	30.06.2022
viii.	Villages Panchayat (941)	Not Started	Due to large number of legacy Dumpsite, scheme is yet to be prepared accordingly.	DDPO	31-03-2022 for preparation of action plan. For implementation -30.06.2025 82 villages by 30-06-2023 82 villages by 30-06-2024 81villages by 30.06-2025
ix.	Involvement of NGOs	Yes	NGOs shall be identified for the purpose.	All MC's and DDPO	Regular Activity
x.	EPR of Producers: Linkage with Producers / Brand Owners	Linkage with Producers / Brand Owners	All the producer/ brand owners are being directed to submit the action plan for the disposal of its plastic waste under extended producer responsibility.	All MC's	30.06.2022
xi.	Authorization of Waste Pickers				
1.	Municipal Council, Mansa	Required: 9 nos. Authorized: 9 nos. Gap:0		EO, Mansa	Activity Completed
2.	Municipal Council, Budhladha	Required: 30 nos. Authorized: 30 nos. Gap:0		EO, Budhlada	Activity Completed
3.	Nagar Panchayat, Sardulgarh	Required: 5 nos. Authorized: 5 nos. Gap:0		EO, Sardulgarh	Activity Completed
4.	Nagar Panchayat,	Required: 10 nos.		EO, Baretta	Activity Completed

	Bareta	Authorized: 10 nos. Gap:0			
5.	Nagar Panchayat, Bhikhi	Required: 13 nos. Authorized: 13 nos. Gap:0		EO, Bhikhi	Activity Completed
6.	Nagar Panchayat, Boha	Required: 5 nos. Authorized: 5 nos. Gap:0		EO, Boha	Activity Completed
7.	Nagar Panchayat, Joga	Required: 10 nos. Authorized: 2 nos. Gap:8 nos.		EO, Joga	30.06.2022
xii.	Preparation of own by-laws to comply with SWM Rules, 2016	All MCs Prepared. DDPO (for villages 245) yet to be prepared	All MCs Prepared. DDPO (for villages 245) yet to be prepared	All MCs and DDPO	All MCs - Activity Completed villages= 31.03.2022
xiii.	Removal of garbage vulnerable points(GVPs)	No gap, as activity Completed	All the identified (GVPs) have been removed by the all MCs.	All ULBs	Activity Completed
xiv.	Provision of greenbelt and boundary wall around solid waste dumping site.	Boundary wall has been provided in MC Bhikhi only However green belt has not been adequate in any ULB	.	All ULBs.	<ul style="list-style-type: none"> 31.12.2021 for Boundary wall and greenbelt.
xv.	Providing compartments and GPS tracking in garbage Carrying vehicles	All the motorized vehicles are having GPS	Not required	All ULBs	Activity completed
xvi.	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 after completion of Bio- remediation of legacy waste.	All ULB's	<ul style="list-style-type: none"> Bioremediation of Legacy waste = 30.06.2022 Treatment of leachate waste = 30.06.2022.

xvii.	Best practices, including setting up of Control Rooms where citizens can upload photos of garbage which may be looked into by the specified representatives of local bodies, at local level as well as State level. (Directions of Hon'ble NGT in OA no. 606 of 2018 dated 22.07.2019, 28.02.2019, 14.12.2020)	No Gap	Swachhata app is widely used by citizens for complaints related to SWM/ SBM, It is resolved and monitored at ULB and state level both.	All Local bodies	Already in place
xviii.	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)	No CCTV cameras installed at dump site of any ULB.	Installation of CCTV's	All Local bodies	31.12.2021
xix.	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)	Installed by MC Mansa and Rest of ULBs are yet to be installed.	Installed by MC Mansa and Rest of ULBs will install by 31.12.2021	Local bodies	31.12.2021
xx.	Carcass should be utilized by adopting rendering process or incineration and priority may be given to carcass utilization plants which are run by adopting rendering process. (Directions of Hon'ble NGT in OA no. 465/2019 dated 15.04.2021)	Presently Carcass of dead animals are being given to private contractor by MCs/NPs.	Proposal for utilization of carcass in a scientific manner is under consideration. However, boundary wall, hedges and plantation all around the carcass disposal points will be provided to control nuisance in the area by 31.03.2022.		Preparation of action plan- 31.03.2022 Implementation -31.10.2024
xxi.	Carcass disposal to be done under the supervision	No gap	Carcass disposal will be ensured under the	ULB's	Regular activity

	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		supervision of veterinary doctors.		
xxii.	Management of waste water and solid waste by the unauthorized colonies/residential complex/commercial complex developed by Pvt. Colonizers.	Inadequate management of solid waste and liquid waste in these colonies.	Since all the colonies are BWG's in-house management of Solid waste is required. However if the colony within MC limit needs to make agreement with the MC same may be allowed as per byelaws of MC.	PUDA and MC's	<p>MC (Within Municipal Limits)</p> <ul style="list-style-type: none"> • Identification by 31.03.2022 • Management of solid waste collection, segregation & treatment of Wet waste as well as Dry Waste = 31.03.2023 • Provision of STPs = 31.03.2023 <p>PUDA (Outside MC limit)</p> <ul style="list-style-type: none"> • Identification by 31.03.2022 • Management of solid waste collection, segregation and treatment of Wet waste as well as Dry Waste = 31.03.2023 • Provision of STPs = 31.03.2023
xxiii.	To prepare proposal/scheme for management of solid waste in the villages either in cluster form or independently in individual villages	Inadequate Management of solid waste in the villages.	Scheme is yet to be prepared.	DDPO	31-03-2022 for preparation of action plan. For implementation -30.06.2025 82 villages by 30-06-2023 82 villages by 30-06-2024 81 villages by 30.06-2025
xxiv.	Information Education and Communication (IEC) activities in respect of solid waste.	No gap	The IEC activities in this regard are already being done by the concerned departments. Promoters and Residents	All ULBs (Municipal Council and Nagar panchayat) of the district &	Regular Activity

			are informed when the joint team visits their colonies and they are encouraged to follow the solid and liquid waste management rules.	PUDA	
xxv.	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
xxvi.	Management of carcass in rural area.	Inadequate management of carcass in rural area.	Proper management at village level	DDPO	31-03-2022 for providing Boundary wall in all the hadda-roris sites. Policy is to be prepared at state level
xxvii.	Management of Horticulture Waste in MCs.				
1.	Mansa Council, Mansa	3 no. parks having 10 pits Requirement- 10 pits Available – 10 pits Gap -0			Activity Completed
2.	Municipal Council, Budhladha	4 no. parks having 10 pits Requirement- 10 pits Available – 10 pits Gap -0			Activity Completed
3.	Nagar Panchayat, Sardulgarh	2 no. parks having 5 pits Requirement- 5 pits Available – 5 pits Gap -0			Activity Completed
4.	Nagar Panchayat, Bareta	1 no. parks having 4 pits Requirement- 4 pits Available – 4 pits Gap -0			Activity Completed
5.	Nagar Panchayat, Bhikhi	5 no. parks having 5 pits Requirement- 5 pits Available – 5 pits			Activity Completed

		Gap -0			
6.	Nagar Panchayat, Boha	No Park			Activity Completed
7.	Nagar Panchayat, Joga	1 no. parks having 10 pits Requirement- 1 pits Available – 1 pits Gap -0			Activity Completed

ii) Plastic Waste Management

(a) Current status related to Plastic waste management

Sr. No.	Urban Local bodies	Estimated quantity of Plastic Waste Generated MT/per day
1.	Municipal Council, Mansa	1
2.	Municipal Council, Budhladha	1.8
3.	Nagar Panchayat, Sardulgarh	0.5
4.	Nagar Panchayat, Bareta	0.14
5.	Nagar Panchayat, Bhikhi	0.3
6.	Nagar Panchayat, Boha	0.02
7.	Nagar Panchayat, Joga	0.003
	Total	3.763

Sr. no.	Local Bodies	Estimated quantity of Plastic Waste Generated (in MTD)
1	Villages Panchayats (245)	9.2

(b) Identification of gaps and Action plan:

S.No.	Action points For village panchayats/blocks/ municipalities/ Corporations	Identification of gap	Action plan	Agencies Responsible	Target time for Compliance
1.	Door to Door collection of dry waste including PW	ULBs =100% collection. Villages Panchayat (242) =Not initiated.	At Present Door to door collection is being done by MC	ULB's & DDPO	Already completed 31-03-2022 for preparation of action plan. For implementation - 30.06.2025 82 villages by 30-06-2023 82 villages by 30-06-2024 81villages by 30.06-2025

2.	Facilitate organized collection of plastic Waste at Waste transfer point or Material Recovery Facility	<ul style="list-style-type: none"> • ULBs = 100% Collection and MRF facility provided. • Villages panchayats(242)= partial collection. 	<ul style="list-style-type: none"> • Ban imposed on single use plastic as per the guidelines of the Centre and State Government. • NGOs are involved for awareness to avoid plastic use. • Registration is being done for waste pickers. 	ULB's & DDPO	<p>Already done</p> <p>31-03-2022 for preparation of action plan. For implementation - 30.06.2025 82 villages by 30-06-2023 82 villages by 30-06-2024 81villages by 30.06-2025</p>
3.	Plastic Waste collection Centers	Provision of proper Plastic Waste collection centers.	<ul style="list-style-type: none"> • MRF in each ULB and adequate 	ULB's	30.09.2021
4.	Awareness and education programs implementation	No gap	Awareness among public for minimizing and recycling PW is being done on regular basis	ULB's	Regular activity. One camp will be organized quarterly.
5.	Plastic Industry Registration. Total no. of plastic unit required registration Total no. of plastic unit obtained registration (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	No gap, Regular Activity	Total no. of plastic unit required registration = 2 Total no. of plastic unit obtained registration = 2	PPCB	Already completed
6.	Development and setting up of infrastructure for segregation,	Inadequate disposal arrangement of	Recyclable plastic waste is collected, transported and	All Local bodies	31.12.2021.

	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)	plastic waste	stored separately by all ULBs. Currently such plastic is being stored at MRF. Contract for channelization /processing of both recyclable and non-recyclable plastic will be done with Max Specialty Films Pvt. Ltd. by ULBs ULBs will make agreement by 31.12.2021.		
7.	Framing of bye-laws incorporating the provisions of Plastic Waste Management Rules, 2016. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Yet to frame in rural area	All MCs = already framed Rural Panchayats (245) = yet to prepared	ADC(UD) and DDPO	Already Done 31.03.2022
8.	Set up, operationalize and co-ordinate for Plastic Waste management in Rural area. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Inadequate Plastic Waste management in Ruler area.	Awareness regarding it is being done to the Gram Panchyat for segregation, Collection and transportation will be done with Compartmentalized Rischshaw and stored in the Extra Pit to be made with Nadep Model.	DDPO	31-03-2022 for preparation of action plan. For implementation - 30.06.2025 82 villages by 30-06-2023 82 villages by 30-06-2024 81villages by 30.06-2025
9.	Ban on non-recyclable single use polythene bags. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Ban on non-recyclable single use polythene bags	Ban has been already imposed by the State Govt., on sale, purchase, manufacturing and stock of plastic carry bags. The Ministry of Environment,	ALL Local bodies/PPCB	The Ministry of Environment, forest And Climate change vide its notification dated 12.08.2021 has banned Single use plastic with effect from 1.07.2022. Further, the

			forest And Climate change vide its notification dated 12.08.2021 has banned Single use plastic with effect from 1.07.2022. Further, the guidelines of the Centre and State Govt., regarding banning of single use plastic will be complied with.		guidelines of the Centre and State Govt., regarding banning of single use plastic will be complied with.
10.	Segregation, collection, storage, transportation of plastic waste and channelizing of recyclable plastic waste fraction to recycler having valid registration. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Arrangement for plastic waste disposal.	<p>ULBs:- Recyclable plastic waste is collected, transported and stored separately by all ULBs. Currently such plastic is being stored at MRF. Contract For channelization/ processing have been done with Max Specialty Films Pvt. Ltd. By ULBs ULBs will make agreement by 31.12.2021.</p> <p>DDPO:- Awareness regarding it is being done to the Gram Panchayat for segregation, Collection and Transportation will be done with Compartmentalized Rischshaw and stored in the Extra Pit to be made with Nadep Model.</p>	All Local bodies & DDPO	<p>ULBs:- 31.12.2021</p> <p>31-03-2022 for preparation of action plan.</p> <p>For implementation - 30.06.2025 82 villages by 30-06-2023 82 villages by 30-06-2024 81villages by 30.06-2025</p>

11.	Awareness to the waste generator to take steps to minimize the plastic waste and segregate plastic waste at source. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	No Gap	Awareness is being carried out on regular basis. Camp will be organized of quarterly basis.	Local bodies & DDPO	Regular activity
12.	Encouragement to the education institute to take up waste management in their curriculum and create student project for waste recycling. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	No gap	Already being followed and seminars are being organized.	DEO primary and secondary	Regular activity
13.	Directions to Gram Panchayat to perform functions such as ensuring segregation, collection, storage, transportation, plastic waste and channelization of recyclable plastic waste fraction to recyclers having valid registration. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Disposal of plastic waste in villages.	Instruction are already been given to Gram Panchayat Through BDPO's	DDPO	31-03-2022 for preparation of action plan. For implementation - 30.06.2025 82 villages by 30-06-2023 82 villages by 30-06-2024 81villages by 30.06-2025
14.	Creating awareness among all stakeholders about their responsibilities, and ensuring that open burning of plastic waste does not take place. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	No gap	All stakeholders are being made aware regarding their responsibility. It is being ensured that open burning of plastic waste does not take place. Violators are challans.	All local bodies	Regular activity

15.	To ensure proper plastic waste management, industries may be directed to explore the possibilities of use of such wastes in construction of roads. Further industries may also be directed to collaborate with different research institutes to explore such alternatives. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Plastic waste use in construction of roads	Instructions will be given to the industries to explore such activities to department of industries who through research institutes	MC, ADC(UD) and PWD	31.12.2022
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(iii) C&D Waste Management

(a) Current status related to C&D Waste

Details of Data Requirement	Present Status
Total C&D waste generation in MT per day (As per data from Municipal Corporations/Municipalities)	12MT
Does the District has access to C&D waste recycling facility?	No, one new recycling facility is proposed in each ULB and shall be completed by 30.06.2022

(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.	No Gap • ULBs =Separate collection site provided in each ULB and adequate.	Not required	ULB's	Activity Completed
2.	Whether local authority have fixed user fee on C&D waste and introduced permission system for bulk waste generators who generate more than 20tons or more in one day or 300 tons per project in a month?	No gap. As per Solid Waste Management Cleanliness and Sanitation Bye laws Dated 11.08.20 Notification no 5/105/2020- 2lg4/139(A) MC Mansa fixed user fee on C& D waste which is Rs 500 per ton and will put up the proposal regarding permission system for bulk waste generators in next house meeting for approval.	Not required	ULB's	Activity Completed
3.	C&D recycling facility	Presently there is no C&D	Each MC has proposed to	ULB's	30.06.2022

4.	Usage of recycled C&D waste in non-structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	recycling Facility in the District. No. of recycling facility required = 7 No. of recycling facility provided = 0	install one recycling facility of C&D waste processing plant		
5.	ICE on C&D waste management	No gap	Awareness will be done through media, NGOs & Radio on quarterly basis.	MCL	Regular Activity. One camp will be organized quarterly.

(iv) Bio medical Waste Management

(a) Current Status related to biomedical waste

Inventory of BMW in the District	Quantity
Total no. of Bedded Health care Facilities	103
Total no. of non-bedded HCF	200
No. of HCFs authorized by SPCBs/PCCs	297
Total No. of veterinary Hospitals/Dispensaries in the District Mansa	107
Total No. of veterinary Hospitals/Dispensaries connected with Common Biomedical treatment facility (CBWTF).	6
Total no. of veterinary Hospitals/ Dispensaries obtained the authorization of Punjab pollution Control Board	101
Total No. of veterinary Hospitals/Dispensaries adopted segregation of BMW through separate colour coded collections bins.	107
Total no. of veterinary Hospitals/Dispensaries complying with BMW Rules, 2016 and Maintaining record of Biomedical waste generation and its disposal to CBWTF.	107
No of Common Biomedical Waste Treatment and Disposal Facilities(CBWTFs)	0
No. of Deep burials for BMW, if any	0
Quantity of biomedical waste generated per day	126.59 kg/day
Quantity of biomedical waste treated per day	126.59 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)= 303 HCFs authorized by the 	Regular camps are being organized pursue the HCFs to obtain the authorization.	PPCB	Regular activity

		PPCB= 297			
2.	Adequacy of facilities to treat biomedical waste	No Gap. Adequate CBWTF installed in the District.	Not required	PPCB	Activity completed
3.	Tracking of Bio-Medical Waste	No Gap. Bar code system is implemented by all HCFs and CBWTFs. No gap	Not required	PPCB	Activity completed
4.	Awareness and education of health care staff	No Gap Training has been organized for all stakeholders from time to time. One camp will be organized in a quarter.	Not required	PPCB and Health Department	Regular activity
5.	Adequacy of Funds	No gap	Private HCFs = Funds available Govt., HCFs = Funds Being arranged	Civil Surgeon	31.10.2022
6.	Compliance to Rules by HCFs and CBWTFs	No gap, to check the compliance regular monitoring is being done.	BMW Rules, 2016 are complied with except provisions of ETPs cum STPs	PPCB, HCFs, CBWTF and civil surgeon	Regular activity
7.	District Level Monitoring Committee	District Level Monitoring Committee has been constituted	Meetings are taken on monthly basis District Environment Committee.	District Administration and PPCB	Regular Activity
8.	Wastewater Treatment	<ul style="list-style-type: none"> Total HCFs Required ETP=103 Total HCF install ETPs=7 	HCFs are being pursued to install the ETP. The meetings are being held with the association members.	PPCB	<ul style="list-style-type: none"> The timelines vide Board order no. 468 dated 31.08.2021 timeline has been given as 31.03.2022. The HCF will submit a Bank Guarantee to the Board as an

					assurance to submitted analysis results and installation of appropriate and adequate system to archived prescribed standards. In case sample fail to achieve the prescribed standard.
9.	Disposal of radioactive materials. With the proliferation of radiotherapy, nuclear medicine, X Rays, CT Scans and other equipment's using radioactive materials. (Directions of Hon'ble NGT in OA no. 710 of 2017 dated 18.01.2021)	<p>Already Being Complied.</p> <ul style="list-style-type: none"> • Most of the Hospitals now have provided the digital X-Ray, hence no such waste is generated from digital X-ray. • The Hospitals which have not provided the digital x-ray machine have made the agreement with the authorized agency for the disposal of its waste. 	Already Being Complied.	Health department	Activity Completed

(v) Hazardous Waste Management

(a) Current Status related to Hazardous Waste Management

Details of Data Requirement	Present Status
No of Industries generating HW	24
Quantity of HW in the district (MT/Annum)	365.46
Quantity of Incinerable HW (MT/Annum)	0.2
Quantity of land-fillable HW(MT/Annum)	2.03
Quantity of Recyclable/ utilizable HW(MT/Annum)	239.93 / 123.3
Nos. of captive/common TSDF	One common TSDF at NIMBUA, Dera Bassi.
Contaminated Sites or probable contaminated sites	0
Monitoring of ground water of common TSDF.	No common TSDF falls in the District Mansa.

(b) Identification of gaps and action plan:

Sr. No.	Action points	Identification of Gaps	Action Plan	Responsible agency	Timeline for completion of action plan
1.	Regulation of industries and facilities generating Hazardous Waste	<ul style="list-style-type: none"> Total industries identified = 24 Authorized by the PPCB= 24. 	Already Completed	PPCB	Activity Completed
2.	Establishment of collection centers	Industrieshaveagreement /linkagewithTSDFfordispo salofitsHazardouswaste.	Individual temporary storage sites provided within the industries.	PPCB	Activity Completed
3.	Availability/Linkage with common TSDF for disposal facility	The industries generating HW have access to common TSDF in the State.	The industries generating HW have access to common TSDF in the State.	PPCB	Activity completed

		No. of units identified linked with CTSDF = 7			
4.	Contaminated Sites	No Contaminated Site	No Contaminated Site	Local Bodies, DDPO and PPCB	No Contaminated Site

(vi) E-Waste Management

(a) Current Status related to E-Waste Management

Details of Data Requirement	Present Status
Inventory of E-Waste in MT/year	0.03
Collection centers established by ULBs in the District	0
Collection centers established by Producers or their PROs	0
Nos. authorized E-Waste recyclers /Dismantler	0

(b) Identification of gaps and action plan:

S. No.	Action points	Gaps in implementation	Action Plan	Responsible agency	Timeline for completion of action plan
1.	Inventory / Generation of E-Waste / Bulk-waste generators	Inventorization of E-Waste in the District. Inventory of bulk waste generators is under process.	Completion of inventory	PPCB	Regular Activity
2.	E-Waste collection points	Availability of E-Waste collection points in all MRF's of all ULB's	Identification/registering E-Waste collection centres in association with Producers – their PROs or Recyclers	All MCs and GMDIC	30.06.2022
3.	Linkage among Stakeholders dechannelize-Waste	Linkage among stakeholders is being done.	Work under progress	All MCs and GMDIC	31.10.2022
4.	Regulation of Illegal E-Waste recycling /dismantling	Not initiated	Surprise will be made to identify illegal e-waste recyclers / dismantlers	District Administration & PPCB	31.12.2022
5.	Integration of informal sector	Being done	Being prepared.	District Administration & PPCB	30.09.2022
6.	Awareness and	Regular activity	Quarterly Special workshops and	District	Regular Activity

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

12.	Governance frame work for monitoring compliance. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Regular Monitoring will be carried out to check the compliance.	Regular Monitoring will be carried out to check the compliance.	District administration/PPCB.	Regular activity
13.	Capacity building at district level. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	No gap	Workshops/seminars to educate functionaries is being run on regular basis.	District Administration, PPCB & Local bodies.	Regular activity
14.	IEC plan be firmed up and executed. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	No gap	IEC plan has been prepared by state and being implemented in all ULBs widely.	District Administration, PPCB & Local bodies.	Regular activity
15.	Strengthen system of enforcement. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	No gap	Status of enforcement of Byelaws reviewed on Monthly basis by ADC(UD) and quarterly basis by Hon'ble Deputy Commissioner-cum-Chairman of District Environment Committee.	District Administration, PPCB & Local bodies	Regular activity
16.	Allocation of proper space to the existing and upcoming industrial units for e-waste dismantling and recycling. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	No gap	State Government has already planned the focal points for industrial units. Proper space will allocated to the existing and upcoming industrial unit for E waste dismantling and recycling facility.	PSIEC	Already done
17.	Recognition and registration of workers involved in dismantling and recycling, undertake industrial skill development activities for the workers involved in dismantling and recycling. (Directions of Hon'ble	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	Labour Department	Regular Activity

	NGT in OA no. 512/2018 dated 15.01.2021)		regular basis		
18.	Annual monitoring to ensure health and safety of workers involved in such activities. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	No gap	Will be Ensured on Annual basis.	Director of Factories	Regular Activity
19.	Separate waste deposition centers for domestic E-waste which helps in easy segregation of E-waste. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Separate waste deposition centers for domestic E-waste	E-Waste deposition center already established at MRF's in each ULB.	All Local Bodies	Already done

4. AIR QUALITY MANAGEMENT

(a) Current Status related to Air Quality Management

Details of Data Requirement	Present Status
Number of Automatic Air Quality monitoring stations in the district.	
- Operated by SPCB / State Govt / Central govt./PSU agency:	0
- Operated by Industry:	0
Number of manual monitoring Stations operated by SPCBs	0
Name of towns/cities which are failing to comply with national ambient air quality stations	0
Nos. of air polluting industries	392
No. of unit installed APCD	392
Status of Air Consent	Regular activity
Prominent air polluting sources	Road dust, transport, Burning of biomass & Vehicular pollution.

(b) Identification of gaps and action plan:

S. No.	Action points	Gap & Indicative Action Plan	Responsible agency	Timeline for completion of action plan
1.	District Level Action Plan for Air Pollution	Since District Mansa is not a non-attainment city, there is no requirement of District level action for air pollution	PPCB	Not required
2.	Hotspots of air pollution in District	Since Mansa is not a non-attainment city, there is no hotspot exists in District Mansa	PPCB	Activity Completed
3.	Awareness on Air Quality	No CAAQMS set up in District.	PPCB	Not required
4.	Industries to be converted from coal to CNG	As on date there is no industry in District Mansa which is required to be converted from coal to CNG as there is no focal point or industry cluster	PPCB/DIC	Not required
5.	Conversion of Natural Draft Brick Kilns to Induced Draft Brick Kilns	<ul style="list-style-type: none"> • Total BKO required to convert to ZIG ZAG = 110 • Converted to ZIG Zag Technology= 83 • Yet not converted = 27 	PPCB/DFSC	30.09.2019

		<ul style="list-style-type: none"> Direction issued u/s 31-A of Air Act, 1981 to DFSC to canceled the license of BKO = 7 		
6.	Maintain pothole free roads / timely patchwork on roads	Patchwork of roads is continuous process. As and when potholes develop on roads the same are got repaired as soon as possible.	MC, PWD, PUDA	Regular activity
7.	Plantation of trees along highways, drains, Nallahs in colonies and canals etc.,	<ul style="list-style-type: none"> Plantation has been done already in various urban estates and the further plantation will be done accordingly when new land will be acquired. 	MC, Forest dept.	Regular activity
8.	Public awareness campaign for control of vehicular emissions	The camps are being organized regular basis. Facebook, Twitter & Instagram) is also being used to spread traffic awareness. Quarterly camp will be organized for awareness.	Traffic Police, Transport	Regular activity
9.	Extensive drive against polluting vehicles	The extensive drive against polluting vehicles already initiated by the Police department.	Traffic Police	Regular activity
10.	Prevention parking of vehicles in non-designated areas by enforcement actions	The extensive drive already initiated by the Police department to prevent parking of vehicles in non-designated areas and issuing challans to the violators.	Traffic Police	Regular activity
11.	Control of open burning of bio-mass.	Pits constructed in Parks and green belts to control of open burning of bio mass in the city.	MC	Regular activity
12.	Dissemination of Air Quality Index by installing CAAQMS	No CAAQMS installed in District Mansa	PPCB	Not required
13.	Dissemination of Air Quality Index by installing display boards in the city	No CAAQMS installed in District Mansa	PPCB	Not required
14.	Quality Management Division(AQMD) at PPCB (HQ)Establishment	Work is under progress.	PPCB,	31.12.2021
15.	Establishment helpline in each city as well as SPCB HQ	Head Office level Helpline number is 1800 120 3667 for whole of the state.	PPCB, Lab	Completed
16.	Scope for public participation on remedial	Plantation and maintenance is being done by public participation mode.	Department of forest	Regular Activity

	measures like plantations. (Directions of Hon'ble NGT in OA no. 360/2018 dated 05.07.2021)			
17.	Carrying capacity and source apportionment study of non-attainment Cites.	Not a non-attainment city	PPCB	Not required
18.	For development of plantation along the highways.	The area alongside highways where plantation can be done is declared forest area. During suitable season for plantation PWD will coordinate with department of forest for plantation.	PWD	Regular Activity
19.	Steps to be taken for management of agriculture waste/residue	<ul style="list-style-type: none"> • Total 5151 machines for crop residue management are available for utilization by farmers, 2925 with custom hiring centre, 420 machines with cooperative societies, 20 with Panchayats and 1786 with individual farmers. • During 2021-22, till 30.09.2021, 54 crop residue management machines sanctioned viz-a-viz 20 to individual farmers, 18 to custom hiring centres, 1 to cooperative societies and 15 to gram panchayats. • Beside above, IEC activities like farmer training camps, Hoarding and field demonstrations are also being carried out to spread the awareness among farmers through the years. 	Agriculture department	Seasonal Activity.

5. WATER QUALITY MANAGEMENT

(a) Water Quality Monitoring

a. Current Status related to Water Quality Management

Details of Data Requirement	Present Status
Rivers	River Ghaggar
Length of Coastline(if any)	Nil
Nalas/Drains/Creeks meeting Rivers	01
Lakes/Ponds	321
Total Quantity of sewage from towns and cities in District	27.75MLD
Quantity of industrial wastewater	20.18MLD
Percentage of untreated sewage	7.2%

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

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

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

(b) 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	1

No of Towns STPs installed	05
No of Towns needing STPs	02 i.e. Boha (under construction)& Joga(no sewer line)
No of ULBs having partial underground sewerage network	06
No of towns not having sewerage network	1
Total Quantity of Sewage generated in District from ClassII cities and above	17 MLD (Mansa - 12.5and Budhlada-4.5)
Quantity of treated sewage flowing into Rivers(directly or indirectly)	10.25 MLD (Budhlada - 4.5 MLD,Bhikhi - 1.75, Sardulgarh - 2, Baretta -2)
Quantity of untreated or partially treated sewage(directly or indirectly)	2.5MLD (Boha and Joga)
Quantity of sewage flowing into lakes	0
Total available Treatment Capacity	30.5MLD in District Mansa

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

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of Action plan
1.	Sewage Treatment Plants(STPs)	<ul style="list-style-type: none"> Existing capacity of STPs=30.5MLD 	MCs, ADC(UD) and PWSSB	
	MC, Mansa	Available capacity - 14MLD Present generation– 12.5 MLD Gap- 0 MLD		Activity Completed
	MC Budhladha	Available capacity –6.5 MLD Present generation– 6 MLD Gap- 0 MLD		Activity Completed
	NP Sardulgarh	Available capacity –4 MLD Present generation– 3.25 MLD Gap- 0 MLD		Activity Completed
	MC Baretta	Available capacity –3 MLD Present generation– 2.5 MLD		Activity Completed

		Gap- 0 MLD		
	NP Bhikhi	Available capacity –3 MLD Present generation– 2.5 MLD Gap- 0 MLD		Activity Completed
	NP Boha	Available capacity –0 MLD Present generation– 1.65 MLD Gap- 1.65 MLD		STP @2 MLD based on SBR technology under construction Commissioning date- 31.12.2021
	NP Joga	Available- 0% Gap- 100%		DPR prepared Commissioning- DPR+ 12 months
2.	Underground sewerage network	Sewerage network is already being laid out in major town and cities. The percentage of sewerage laid is as under;-		
	MC, Mansa	Available- 92% Gap- 8%		DPR under preparation- Funds yet to be tied up. Completion- DPR approval+ 9 months
	MC Budhladha	Available- 90% Gap- 10%		DPR under preparation- Funds yet to be tied up. Completion- DPR approval+ 9 months
	NP Sardulgarh	Available- 84% Gap- 16%		DPR under preparation. Completion- DPR approval+ 6 months
	MC Baretta	Available- 85% Gap- 15%		DPR under preparation- Funds yet to be tied up. Completion- DPR approval+ 6 months
	NP Bhikhi	Available- 95% Gap- 5%		DPR under preparation- Funds yet to be tied up. Completion- DPR approval+ 6 months
	NP Boha	Available- 95% Gap- 5%		DPR under preparation. Completion- DPR approval+ 6 months

	NP Joga	Available- 0% Gap- 100%		DPR prepared for STP and main sewer line. Completion- DPR approval+ 12 months
3.	Setting up of real time water quality monitoring system to monitor the quality of water	Activity completed	PPCB	RTWQMS has been installed and working at Ghaggar.
4.	Operation and Maintenance of STPs (i)Arranging funds for operation and maintenance of STPs to ensuring regular operation and maintenance of STPs in a professional manner	Completed, no gap	MC, PWSSB	-
	(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.	Lab. has already been provided at Mansa and Budhlada. Lab. will be provided at STP, Boha which is under construction.	MC, PWSSB	Not provided at STP, Sardulgarh, Bhikhi, Baretta as the STP's are based on WSP technology.
5.	Provision of necessary treatment facilities in village ponds so that no untreated or polluted water enters river directly or	A. No. of village ponds for which work has been completed:- 2 villages B. No. of villages where work is under progress= 22 Villages C. No. of villages where work is yet to be started = 9 villages	DDPO	A. Total no. of villages where appropriate technology is required = 33 villages B. No. of village for which appropriate technology finalized: 02 villages

	indirectly through various drains or creeks. (i)Finalization of appropriate technology			C. Time target for finalizing the appropriate technology for remaining 31 village ponds: 31.03.2023
	(ii)Arrangement of Funds for treatment technology in various villages identified in the Action Plan	A. No. of village ponds for which funds treatment technology arranged: 33 villages B. The work for arrangements of funds for the remaining village is under process- 0 villages	DDPO	A. No. of villages(ponds) for which funds treatment technology arranged:-33 B. Number of villages where funds are yet to be arranged=0 C. Time target for the remaining village ponds: 31.03.2023
	(iii)Reuse of water for agriculture purpose in villages.	A. No. of village ponds for which irrigation scheme has been implemented: 0 B. Progress for the remaining villages: work is under progress under the MGNREGA Scheme-0	DDPO, Soil conservation department.	A. Number of village ponds identified: 0 villages B. No. of village ponds for which irrigation scheme has been implemented: 0 C. Time target for the remaining villages: 31.03.2022
	(iv)Proper operation and maintenance of treatment facilities installed in village ponds	A. No. of village ponds for which operation and maintenance of treatment facilities installed:2 villages B. Progress for the remaining villages for remaining villages work is under progress under the MGNREGA Scheme- 22 villages	DDPO	A. Target Number of villages identified for installation treatment facility : 33 villages B. No. of village ponds for which operation and maintenance of treatment facilities installed: 2 villages C. Time target for the remaining villages: 31.03.2023
6.	(i)Checking of health indices of the in-habitants & maintaining database. (ii)Holding awareness	Camps are organized on monthly basis	The Department of Health and Family Welfare	Regular activity

	camps in the catchment area of River Ghaggar to make the public aware regarding water borne diseases			
7.	(i) Measurement of flow at different locations of River Ghaggar & drains.	The flow is being monitored on monthly basis by the drainage department.	Department of water resources,	Regular activity
	(ii) To stop unauthorized discharge in the drains.	<ul style="list-style-type: none"> The regular survey is being done by the concerned departments to stop unauthorized discharge in the drains. 	Department of water resources, MC and DDPO.	Time Target: <ul style="list-style-type: none"> Drainage Department (Outside MC limit) = 30.06.2022 MC (Within MC limit) = 30.06.2022
8.	Guidelines for control of pollution and enforcement of Environmental Norms in marriage halls, banquet halls, party venues etc. along with consent management system. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	Already being followed as per guidelines framed by CPCB	PPCB	31.12.2022
9.	Installation of ETP in all big units (marriage halls, banquet halls, party venues etc) which are not connected with the sewer lines. (Directions of Hon'ble NGT in OA no. 400/2017 dated	Already being followed as per guidelines framed by CPCB. Required= 0 Gap=Nil	PPCB	Activity completed

	04.02.2021)			
10.	All the units having kitchen should have proper ducting arrangement. The units using DG sets must have the proper stack height. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	Already being followed as per guidelines framed by CPCB	PPCB	31.12.2022
11.	The local authorities/corporations should carry out inventory of the dairy farms and gaushalas. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	All ULBs have inventory of Gaushala and Dairy farms available with them.	All Local Bodies	30.06.2022
12.	The local bodies/municipal corporations shall publish a public notice in newspapers and on their website for registration of dairy farms and gaushalas as per municipal law. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	The Public notice will be given in the Newspaper and on the website of local body for registration of dairy farms and gaushalas	All Local Bodies	Timeline for registration= 31.12.2022
13.	The District Collectors of all the Districts are	Such Committees will be constituted	District Administration	31.03.2022

	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)			
14.	There must be no general permission for withdrawal of ground water, particularly to any commercial entity, without environment impact assessment of such activity on individual Assessment units in cumulative terms covering carrying capacity aspects by an expert committee. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Noted for compliance and will be assured.	All local bodies & DDPO	Regular activity
15.	All Overexploited, Critical & Sensitive (OCS) assessment units must undergo water mapping.(Directions	Water mapping of all the OCS assessment units has been done as per the guidelines of GOI as per GEC-2015 Methodology by taking Block as a Unit of Assessment. The data of years 2015-19 has been taken for assessing the same recently. As per this study out of total 150 Blocks taken for study, 117	Water Resources (Ground water cum NHP wing) and PWRDA	Activity Completed

	of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Blocks (78%) are "Over-Exploited", 6 Blocks (4%) are "Critical", 10 Blocks (7%) are "Semi-Critical" and 17 Blocks (11%) are in "Safe" category. The water level trends have been computed for last 10 years from 2009-2019 data		
16.	Water Management Plans need to be prepared for all OCS assessment units in the country based on the mapping data, starting with Overexploited blocks. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Punjab Government has engaged M/s Mekorot, National Water Company of Israel to formulate the Water Conservation and Management Master Plan for the State of Punjab and their final recommendations is likely to be submitted by December 2021.	Water Resources (Ground water cum NHP wing) and PWRDA	31.03.2022
17.	The Water Management Plans, data on water availability or scarcity and policy of CGWA must be uploaded on its website for transparency and public involvement. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Noted for compliance and will be assured.	PWRDA	31.03.2022
18.	The District Magistrates have been directed to take up one pond per village for its rejuvenation, this	A) Till date 99ponds have been rejuvenated/restored B) Rest 506 will be restored upto 31.12.2024.	DDPO	31.12.2024

	year. (Directions of Hon'ble NGT in OA no. 325/2015 dated 18.11.2020)			
19.	Active efforts be made in close coordination with technical bodies to tap excess runoff of rivers/canals during rainfall season to recharge old water bodies and retain water in new ponds to be constructed specifically for the purpose (Directions of Hon'ble NGT in OA no. 325/2015 dated 18.11.2020)	The excess run-off water final reaches rivers, whether it comes through nallah or drain. This water ultimately is controllable at head quarter where certain pond level is maintained for regulation of canals. Efforts will be also done to find out the alternate way to tap the excess rain fall in ponds.	Drainage	31.10.2026
20.	Maintenance of E Flow of the rivers. (Directions of Hon'ble NGT in OA no. 325/2015 dated 18.11.2020)	Already Being Maintained	Drainage Department	Completed
21.	Land owning agencies must ensure that every water body has unique ID for its identification. There should be retagging of the water bodies to prevent encroachment.(Directions of Hon'ble NGT in	L-section of all water bodies like drains concerned with Drainage Department has been approved and with name of drains and the Mapping of the Drainage System has been done on google Sheet.	Drainage Department	Completed

	OA no. 496/2016 dated 22.01.2021)			
22.	Awareness among public to set up Rainwater Harvesting System and about its utility should be enhanced. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Public announcements done regarding rain water harvesting time to time by all ULBs.	Local Bodies	Regular Activity
23.	Installation of STP will be mandatory for all residential 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 being already followed.	PUDA and MCs	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. Time line for Preparation of plan = 31.03.2022.	MC, ADC (UD)& PWSSB	Time line for Preparation of plan = 30.06.2022. Time line for implementation of plan = 31.03.2025.
25.	Control of illegal extraction of	Efforts are being made to control illegal extraction of ground water. No authorization is given to public for	All Local Bodies	Regular Activity

	groundwater. (Directions of Hon'bleNGT in OA no. 496/2016 dated 22.01.2021)	extracting ground water illegally. Inspection regarding same is being done time to time by ULBs		
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 District Magistrate Mansa.	District Heads of concerned departments and District Administration.	<ul style="list-style-type: none"> • Monthly Meetings shall be taken by District Head of concerned department for the review of activities of this plan and nodal officer of concerned department will submit the reports to the District Environment Committee and PPCB on monthly basis. • Monthly Meetings shall be taken by the District Administration along-with District Environment Committee.
27.	Preparation of operational manual of STPs for the effective and efficient operation of the STPs of the state.	It is under preparation.	PPCB	Time target: 31.12.2021
28.	Enhancement of capacity of existing ponds/ water bodies and creating of new water harvesting structures.	A. Existing Ponds(Total)= 605 B. No. of Ponds whose Capacity has been enhanced = 99 C. New ponds = Nil Source of Funds above activities: Gram Panchayat Fund, Finance Commission, MGNrega.	DDPO	Timeline: 31.12.2024
29.	Usage of treated sewage for sprinkling purposes for sweeping of roads to control dust pollution.	Progress achieved: <ul style="list-style-type: none"> • MC: scheme under consideration, water hydrants are being planned at outlet of STPs by PWSSB / Department of Soil Conservation. 	MC's	Regular activity
30.	Mapping of the rivers	The mapping has been done by the Drainage	Drainage	Completed

	and flood plain zones in the catchment area of rivers of the State.	Department in an electronic file. The same can be retrieved from Goggle Earth link https://earth.google.com/web/@31.05081388,75.93504687,-27664.5935166a,181476.44066099d,35y,0.03480517h,45.47133225t,0.0813r?utm_source=earth7&utm_campaign=vine&hl=en	Department	
31.	Utilization of STPs sludge	STP sludge issued by the farmers as manure.	MCL, DDLG, and GLADA	Regular activity
32.	Framing policy for the management of highly contaminated Fecal sludge generated from the rural areas.	Progress achieved: State level policy matter and time target for framing of policy will be informed after taking up matter at higher level.	DDPO	Policy will be framed by 30.04.2022. Implementation = 30.04.2025
33.	Reuse of treated effluent through existing STPs (OA no. 496/2016 dated 22.01.2021)	<ul style="list-style-type: none"> • STPs where Irrigation schemes have been completed and working = 4 (Mansa, Bareta, Bhikhi, Sardulgarh) • Irrigation schemes are yet to be provided = 1 <ol style="list-style-type: none"> 1. STP, Budhlada (6.5 MLD): The farmers are reluctant to use the treated water of STP. Meetings are being held with farmers to convince them to use this water for irrigation. 2. As per Department of Soil Conservation, the treated effluent is having high hardness and will cause damage to soil health. 3. Sufficient surface water is available for irrigation purpose around the area as per Department of Soil Conservation. 	Department of Soil conservation, ULBs/PWSSB	<p>STP Budhlada:-</p> <ul style="list-style-type: none"> • To make necessary amendments in STP by ULBs/PWSSB to treat the sewage fit for irrigation purpose = 31.12.2022 • Preparation of scheme = 30.04.2022 • Arrangements of funds = 31.12.2022 • Implementation of scheme = 30.04.2024 <p>Note:-</p> <ul style="list-style-type: none"> • These schemes are possible farmer's consent for using this water for irrigation and concerned department will assure quality of treated water.
34.	Reuse of treated effluent through proposed STPs (New	STP Boha (2 MLD) : Proposal is being made as the STP is still under construction.	Department of Soil Conservation	Laying of pipeline will be started when the STP will be near completion. Meetings with the

	STPs) (OA no. 496/2016 dated 22.01.2021)			farmers have already been carried out and the farmers are ready to use the treated effluent. 6 months after commissioning of STP
35.	Installation, operation & maintenance of online continuous effluent monitoring system with flow meter as well as CCTV cameras for the existing STPs as well as new STPs to be installed.	<ul style="list-style-type: none"> • Total operational STP=5 • STP under construction = 1 • OCEMS Provided=4 (Bareta and Boha not provided) • OCEMS operational as per SOP = 0 	PWSSB	<p>Installed OCEMS will be made operational as per SOP by 31.03.2022.</p> <p>OCEMS at Bareta and Boha will be installed by 30.06.2022</p>
36.	Activity w.r.t. In-situ remediation technology to be provided in the drains carrying untreated sewage.	<p>NP, Boha:- STP Installation is under process and will be installed by 31.12.2021</p> <p>Villages: No village is having direct flow of untreated effluent into drain. Effluent first leads to village pond from where it may overflow into drain.</p>	PWSSB, ADC(UD) and DDPO	STP Installation is under process and will be installed by 31.12.2021

6. INDUSTRIAL WASTE WATER MANAGEMENT

(a) Current Status related to Industrial Waste water Management

No. of Industries discharging wastewater (generating trade effluent)	7
Status of Water Consent	Regular activity
Total Quantity of industrial wastewater generated	22.59MLD
Quantity of treated industrial wastewater discharged into Nalas/ Rivers	0 MLD
Common Effluent Treatment Facilities	Nil
No. of Industries meeting standards	It is a regular activity and PPCB is monitoring the industries including inspections and samplings. Around 10% units are randomly inspected per month.
No. of Industries not meeting discharge Standards	It is a regular activity and PPCB is monitoring the industries including inspections and samplings.

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

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Compliance to discharge norms by Industries	Necessary action is being taken against the industries not meeting the standards.	PPCB	Regular activity
2.	Complaint redressal system	Online compliant system already developed and web link is https://connect.punjab.gov.in/grievance/save	PPCB	Activity complied
3.	Installation of Online Continuous Monitoring System by	Not required.	PPCB	Activity complied
	1. 17 categories of industries.	No water polluting 17 categories of industry falls in the District	PPCB	Activity complied

	2. Industries with discharge more than 50 KLD and not connected with any CETP.	Total units required OCEMS =0	PPCB	NR
4.	Installation of Electromagnetic flow meters at inlet and outlet of ETP.	The water polluting industrial units have already installed the EMF meters. However, inspections will be made to check its functioning and records being maintained by the said industries. Industries required and installed EMF- 7 Gap=Nil	PPCB	Activity completed
5.	Inspection of units to check compliance	Inspection already being made	PPCB	Regular activity

7. 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 licenced Mining operations in the District	0
% Area covered under mining in the District	0
Area of Sand Mining	0

NOISE POLLUTION MANAGEMENT PLAN

(a) Current Status related to Noise Pollution Management

Details of Data Requirement	Measurable Outcome
No. of noise measuring devices available with various agencies in district	Name of agency = Police and PPCB Nos. of analyzers required =12 Nos. of analyzers available =01 Timeline to arrange balance noise analyzers = 13 (By Police Department i.e. one meter to each SHO)

(b) Identification of gaps and action plan:

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action Plan
1.	Availability of Sound/Noise Level Meters.	<ul style="list-style-type: none"> • Nos. of analyzers required = 12 • Nos. of analyzers available = 01 • Timeline to arrange balance noise analyzers = 12 (By Police Department i.e. one meter to each SHO) 	PPCB and Police Department	30.06.2022
2.	Sign boards in Noise zones	Sign boards are installed at sensitive zones. However, signboards are yet to be installed in other areas	ULBs	30.06.2022
3.	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	30.06.2022
4.	Checking of pressure horn of vehicles	Regular checking of vehicle is being done by the police department and same activity will be continued.	Police Department.	Regular activity. The checking will be done twice in a month.