

Office of the Deputy Commissioner, Tarn Taran

To

The Director,
Directorate of Environment and Climate Change (DECC),
Department of Science Technology & Environment, Govt. of Punjab.
MGSIPA, Sector-26,
Chandigarh 160019

No. 2574

Dated. 18/11/2021

Sub: - District Environment Management Plan of District Tarn Taran.

It is intimated that the revised District Environment Plan for District Tarn Taran covering all 7 thematic areas, was earlier sent to your office. Thereafter, the NGT monitoring committee has pointed out some observations during meeting taken with the Additional Deputy Commissioner (Urban Development), Tarn Taran and the Environmental Engineer, Punjab Pollution Control Board, Regional Office, Amritsar on 09.11.2021. The necessary amendments have been incorporated in the District Environment Plan after obtaining the data from stakeholder departments.

As such, the amended / updated District Environment Plan for District Tarn Taran, Punjab is sent herewith for your information and further necessary action please.

DA/As Above


**Deputy Commissioner,
Tarn Taran.**

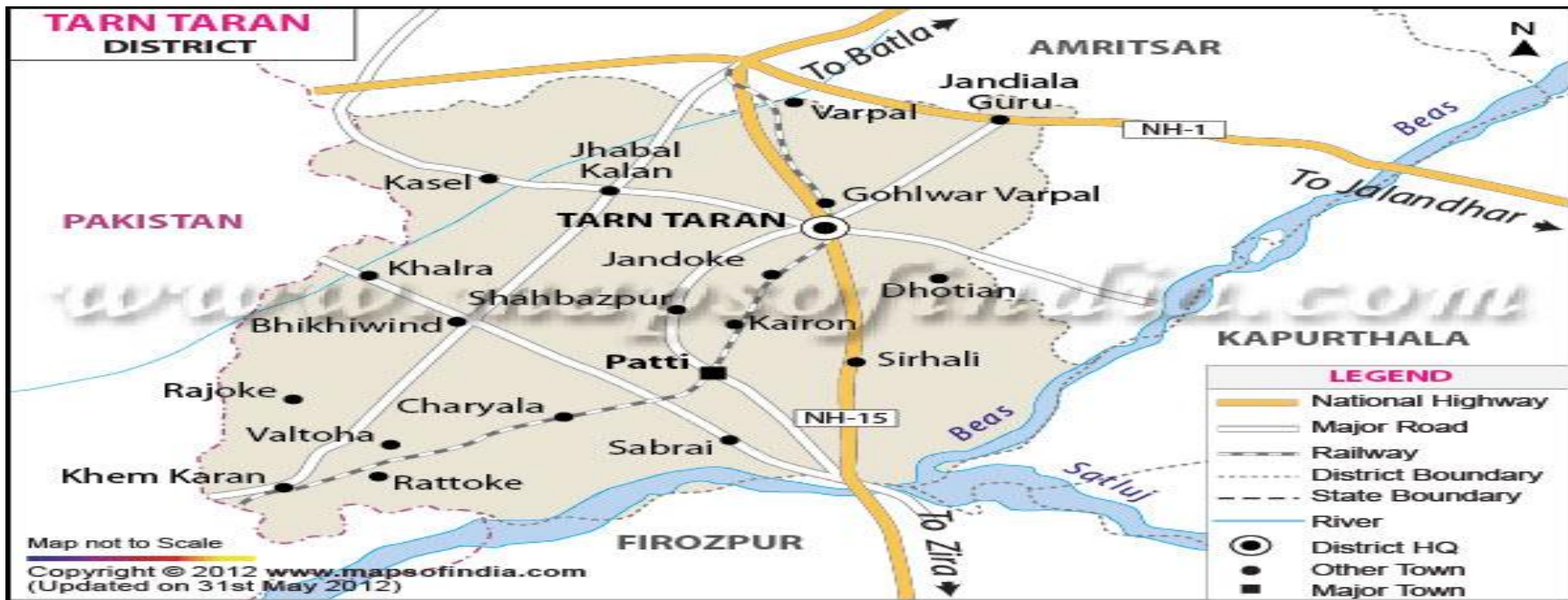
✓ Endst. No. 2575

Date: 18/11/2021

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


**Deputy Commissioner,
Tarn Taran.**

District Environment Plan- Tarn Taran



District Administration – Tarn Taran

Table of Contents

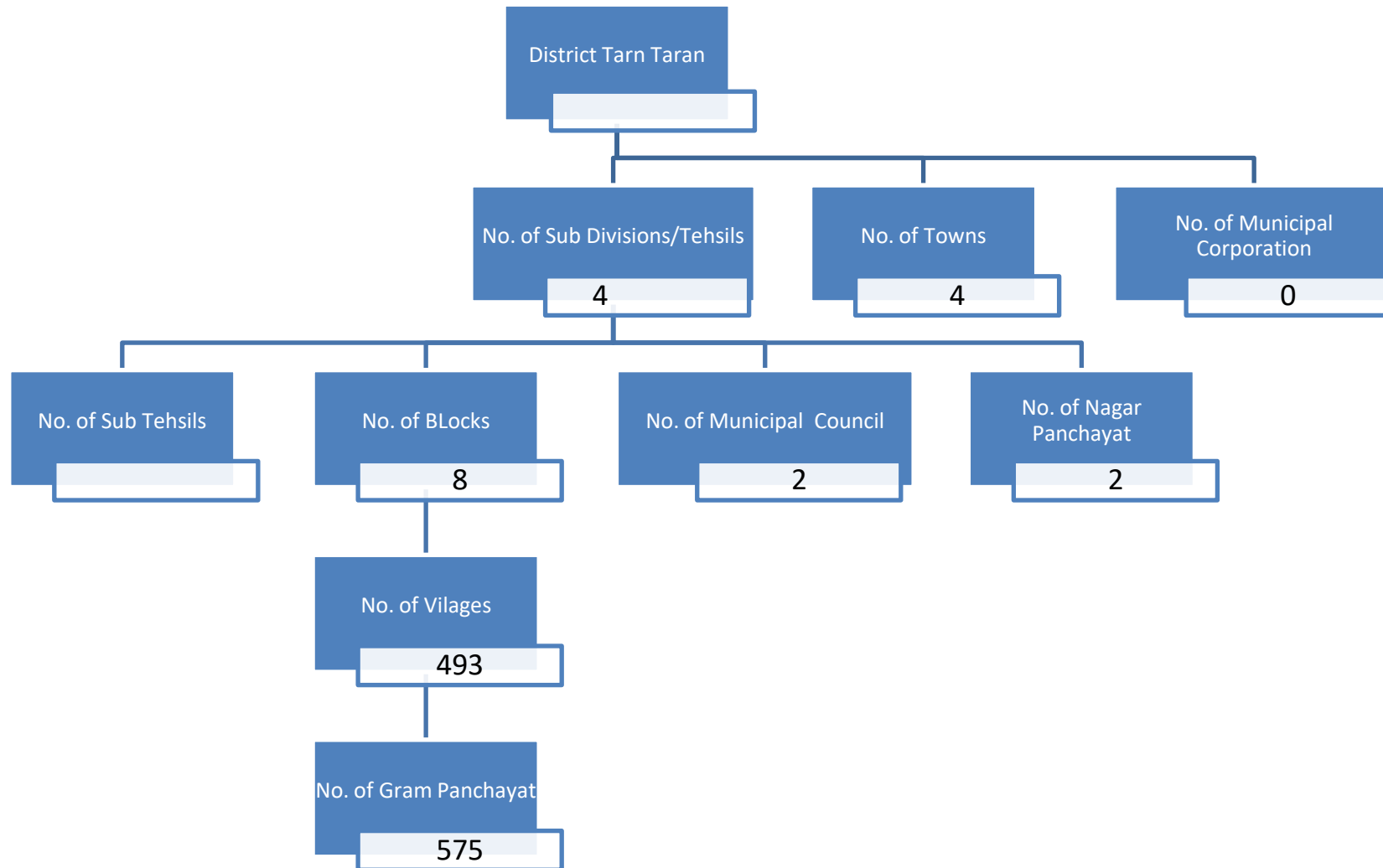
1. DISTRICTPROFILE	Error! Bookmark not defined.
(i) District Administrative Set-up.....	5
(ii) Local institutions.....	6
(iii) Natural Resources.....	6
• Water bodies	6
• Availability of water resources	7
• Forest coverage	7
(iv) Geography & Demography.....	8
(v) Land-use pattern.....	8
(vi) Climate.....	9
2. WASTE MANAGEMENT PLAN.....	11
(i) Solid Waste Management.....	11
(a) Current status related to solid Waste management	11
(b) Identification of gaps and Acton plan:.....	12
(ii) Plastic waste Management.....	22
(a) Current status related to Plastic waste management	22
(b) Identification of gaps and Action plan:.....	22
(iii) C&D Waste Management	27
(a) Current status related to C&D Waste	27
(b) Identification of gaps and Action plan:.....	27
(iv) Bio medical Waste Management.....	28
(a) Current Status related to biomedical waste.....	28
(b) Identification of gaps and Action plan:.....	29
(v) Hazardous Waste Management	31

(a)	Current Status related to Hazardous Waste Management	31
(b)	Identification of gaps and action plan:	32
(vi)	E-Waste Management	33
(a)	Current Status related to E-Waste Management	33
(b)	Identification of gaps and action plan:	33
3.	AIR QUALITY MANAGEMENT	37
(a)	Current Status related to Air Quality Management	37
(b)	Identification of gaps and action plan:	38
4.	WATER QUALITY MANAGEMENT	42
(a)	Water Quality Monitoring	42
•	Current Status related to Water Quality Management	42
•	Identification of gaps and action plan for water quality monitoring:	42
(b)	Domestic Sewage	44
•	Identification of gaps and action plan for treatment of domestic sewage	44
•	Identification of gaps and action plan for treatment of domestic sewage:	44
5.	INDUSTRIAL WASTE WATER MANAGEMENT	56
(a)	Current Status related to Industrial Waste water Management	56
(b)	Identification of gaps and action plan for industrial wastewater:	57
6.	MINING ACTIVITY MANAGEMENT PLAN	58
(a)	Current Status related to Mining Activity Management	58
(b)	Identification of gaps and action plan:	58
7.	NOISE POLLUTION MANAGEMENT PLAN	64
(a)	Current Status related to Noise Pollution Management	64
(b)	Identification of gaps and action plan:	64
	List of Nodal Officers (Annexure-X)	65

1. DISTRICT PROFILE

Tarn Taran district is one of the districts in the state of Punjab in North-West Republic of India. This town was founded during 1590's by the fifth Sikh Guru, Shri Guru Arjan Dev Ji and He laid the foundation of Gurudwara Sri Darbar Sahib (Gurudwara Tarn Taran) in the heart of the town. During 1716 – 1810, Tarn Taran was ruled by the strong Sikh Family of Dhillon Clan and was the part of Bhangi Sikh Dynasty. During 1980-90, Post independence - 1947, Tarn Taran became the region of Punjab and it has the majority of Sikh inhabitants. The main cities are Tarn Taran and Patti. The City of Tarn Taran is a holy place for Sikhs. Tarn Taran district was formed in 2006 from Amritsar District. The declaration to this effect was made by Captain Amarinder Singh, Chief Minister of Punjab, during the celebrations marking the martyrdom day of Sri Guru Arjan Dev Ji. With this, it became the 19th district of Punjab. Tarn Taran Sahib which is located near Amritsar and Patti City of Taran Taran is a holy place for Sikhs of India and abroad. Tarn Taran district is surrounded by Amritsar district in the north side and Ferozpur district in the south side. Its boundary is adjacent to Kapurthala district in the east and it is bounded by Pakistan in the west. District covers the 2449 sq kms area.

District Administrative Set-up



(i) Local Institutions

In District Tarn Taran, there are total 4 Sub-Divisions/Tehsils, 04 towns. There are 08 Blocks, 02 Municipal Council and 2 Nagar Panchayat. There are total 493 Villages in the District & have 575 Gram Panchayats.

(ii) Natural Resources

• Water bodies

The water bodies in the district occupy 4160.29ha area which is 1.72 per cent of the TGA of the district. Further, 157.82 and 504.29ha area is under canals and village ponds which is nearly 0.07 and 0.21 per cent of the total geographical area of the district. The channel area of two rivers i.e. Beas and Sutlej flowing along the southern and eastern borders of the district comes out to be 3498.18ha (1.45% of TGA of the District). Across the blocks, Chohla Sahib block has maximum area i.e. 1013.2ha under water bodies which is 3.52 per cent of its TGA.

- River Beas

This river is also called "Bipasha" and "Arijikia" Beas is another very important perennial river of the study area. It arises from Beas Kund near Rohtang Pass in Kullu district of Himachal Pradesh having height of about 4062 meters above the main sea level of southern end of Pir Panjal range of Himalaya. The Beas touches the Tarn Taran District in the vicinity of the village of Bhalojala in Khadoor Sahib Block. It is adjoined by an abruptly rising bluff to its right throughout its course in the Amritsar and Tarn Taran. It is joined by the River Sutlej at Harike in the Patti Tehsil of District Tarn Taran.

- Muradpur Drain

Muradpur drain flows from South East to North West direction within the LPA. It enters into the LPA boundary from South East region of the Tarn Taran and after flowing upto a certain distance, it merges into Kasur Nallah near Kazikot village. Within the LPA, it crosses many villages namely Sange, Pandori Gola, Bachre, Bohga, Palasaur etc.

- Kasur Nallah:

Kasur Nallah flows from North East to West. Within the LPA, it crosses many villages namely Behla, Mughal Chak, Malia, Kakka Karyala, Palasaur etc. This Nallah carries untreated sewage and industrial effluents and storm water during rainy season.

• 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 annual replenish able ground water resources availability plays an important role in defining the guidelines. The latest assessment of the state wise ground water resources is available at the Central Ground Water Board web site (www.cgwb.gov.in). As per the latest data available on the CGWB website, following blocks of Distt Tarn Taran has been notified for control and regulation in Ground Water:-

Sr. No.	Place/block/Mandal/Taluka	Date of Notification
1.	Patti	27.11.2012
2.	Tarn Taran	27.11.2012

• Forest coverage

The Detail of Forest area of District Tarn Taran is as under:-

Sr. no.	Category of area	Ownership	Area in Ha
1.	Reserve Forests	Govt., of Punjab/Forest Department	698.04
2.	Protected Forest	Govt., of Punjab/Forest Department	300.12
3.	Un-classed Forest	Govt., of Punjab/Forest Department	125.3
Total Block Forest			1123.46
Strips Forest (Protected Forest)			
4.	Road Strips (P.F)	Govt., of Punjab/Forest Department	394
5.	Railway Strips (P.F)	Govt., of Punjab/Forest Department	359.29

6.	Canal Strips (P.F.)	Govt., of Punjab/Forest Department	1470.98
7.	Drain & Dhussi Bands (P.F.)	Govt., of Punjab/Forest Department	793
Total Strips Forest (Protected Forest)			3017.27
Total Forest Area			4140.73

(iii) **Geography & Demography**

Sr.No.	Title	District Tarn Taran	Punjab State
1.	Area (Sq Km)	2414	50,362
2.	Population (in Lakh)	11.19	277.04
3.	Rural Population (in Lakh)	9.77	173.2
4.	Urban Population (In Lakh)	1.41	103.84
5.	% Increase in Population (2001-2011) Decennial Growth rate	1.77	13.55
6.	Density of Population (per Sq km)	460	550
7.	Literacy %	69.4	76.7
8.	Sex Ratio (Females per thousand)	898	893

The total area of District Tarn Taran is 2414 km² having population 11.19 lakhs. The rural population of District Tarn Taran is 9.77 lakh and urban population of District Tarn Taran is 1.41 Lakh. The literacy rate of District Tarn Taran is 69.04.

(iv) **Land-use pattern**

Sr. No.	Title	Data of District Tarn Taran
1.	Total Geographical Area (in Sq km)	241449
2.	Area under Forest (in Ha)	4140.73
3.	Net Area Sown (In Ha)	217541
4.	Gross Cropped Area (in Ha)	384541

5.	Total Area irrigated (in Ha)	128170
6.	% of Net Area irrigated to Total area sown	86.5

The total Geographical Area of District Tarn Taran is 2583 km². The Net area sown & irrigated is 128170 hectare. The gross cropped area 38541 hectare of District Tarn Taran. The total reserved forest area of district Tarn Taran is 4140.73hectare.

(v) Climate

Tarn Taran features a relatively dry monsoon-influenced humid subtropical climate under the Köppen climate classification, although bordering on a hot semi-arid climate, with three defined seasons; summer, monsoon and winter. Tarn Taran on average seems roughly 809.3 millimeters (31.86 in) of precipitation annually. The yearly data of climate of district Tarn Taran is as under:-

Climate data for Tarn Taran District												
Month	January	February	March	April	May	June	July	August	September	October	November	December
Avg. Temperature (°C)	11.6	14.5	20.1	26.8	31.8	32.8	30.1	29	27.9	24.7	18.9	13.6
Min. Temperature (°C)	6	8.4	13.1	18.7	23.6	26.5	26.2	25.6	23.4	18.3	12.6	7.5
Max. Temperature (°C)	17.8	20.8	27	34.5	39.3	38.6	34.1	32.8	32.7	31.5	26.1	20.5
Precipitation / Rainfall mm (in)	41	68	56 (2.2)	31 (1.2)	23 (0.9)	85 (3.3)	203 (8)	180 (7.1)	77 (3)	15 (0.6)	13 (0.5)	20 (0.8)
Humidity(%)	75%	70%	58%	37%	31%	44%	73%	80%	73%	57%	59%	67%
Rainy days (d)	4	5	4	4	5	8	16	15	7	2	1	2
*Source: India Meteorological Department												

ACTION PLAN

1. 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 Tarn Taran	25	16277	80000	13
2.	Municipal Council, Patti	19	7690	40976	8.0
3.	Nagar Panchayat, Bhikwind	13	2250	13500	3.5
4.	Nagar Panchayat, Khemkaran	13	2360	14500	2.0
	Total	70	28577	148976	26.5

Sr. No.	Local Bodies	No of Village Panchayats /Blocks	No of Households	Population	Solid Waste Generated per day (MT)
1.	No of Villages Panchayats	575	196867	984332	273.42

(b) Identification of gaps and Acton plan:

Sr. No.	Action points For villages /blocks/town municipalities / City corporations	Identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan
1.	Segregation				
I.	Municipal Council , Tarn Taran	95% segregation at source practice by households and other waste generators.	For 100 % source segregation daily Awareness programs, incentives, etc done by motivators.	MC, Tarn Taran	31.12.2021
II.	Municipal Council, Patti	100 % segregation achieved	Door to door awareness regarding source segregation and home composting is being done	MC, Patti	Activity Completed
III.	Nagar Panchayat Bhikhiwind	90% segregation achieved.	Door to door awareness regarding source segregation and home composting is being done	EO, Bhikhiwind	31.12.2021
IV.	Nagar Panchayat Khemkaran	85 % segregation achieved.	Door to door awareness regarding source segregation and home composting is being done	EO, Khemkran	31.12.2021
V.	Villages Panchayat (575)	Segregation not being done in maximum villages.	Preparation of action plan by 31.03.2022	DDPO	Starting date 30.06.2022 Implementation – 30.06.2025
2.	Sweeping				
(i)	Manual Sweeping				
I.	Municipal Council , Tarn Taran	Municipal Council Tarn Taran doing sweeping twice a day in all residential areas, Public areas, and markets.	NA	MC, Tarn Taran	Regular activity and is being complied with.
II.	Municipal Council, Patti	100% sweeping being done	NA	MC, Patti	Regular activity and is being complied with.

III.	Nagar Panchayat Bhikhiwind	100% sweeping being done	NA	EO, Bhikhiwind	Regular activity and is being complied with.
IV.	Nagar Panchayat Khemkaran	100% sweeping being done.	NA	EO, Khemkran	Regular activity and is being complied with.
V.	Villages Panchayat (575)	10% sweeping being done. 90% road is not Covered.	More manpower is being deployed and preparation of action plan by 31.03.2022	DDPO	Starting date 30.06.2022 Implementation – 30.06.2025
(ii)	Mechanical Road and Sweeping Collection	Presently target is being achieved in Mechanical Road Sweeping.	No Gap	MCS	Activity Completed
3	Waste Collection				
(i)	100% collection of solid waste	<ul style="list-style-type: none"> 100% collection achieved by all ULBs. Villages Arrangements are to be provided in villages panchayats (575) = Not adequate arrangements 	Not Required for all ULBs as 100% targeted achieved Villages Panchayats (575) = Preparation of action plan by 31.03.2022	MCS and Department of Urban Development	Activity Completed Villages Panchayats (575) = Starting date 30.06.2022 Implementation – 30.06.2025
(ii)	Arrangement for door to door collection	<ul style="list-style-type: none"> Municipal Council, Tarn Taran = 92 E-Rickshaws, Municipal Council, Patti = 42 E-Rickshaws Nagar Panchayat, Khemkaran = 13 E-Rickshaws Nagar Panchayat Bhikhiwind = 26 E-Rickshaws 	No Gap No Gap Nagar Panchayat, Khemkaran = 13 E-Rickshaws Required No Gap		31.03.2022

		<ul style="list-style-type: none"> Arrangement for Villages Panchayats (541) = Not adequate 	Villages Panchayats (575) = Preparation of action plan by 31.03.2022		Villages Panchayats (575) = Starting date 30.06.2022 Implementation – 30.06.2025
(iii)	Waste Collection trolleys with separate Compartments	<ul style="list-style-type: none"> MC, Tarn Taran = 1 Tata ACE MC, Bhikhiwind = 3 Tata ACE NP Khemkaran = 1 Tractor Trolley NP Patti = 1 Tractor Trolley Villages Panchayats (462) = Not adequate 	MC, Tarn Taran = 7 Tata ACE Required No Gap No Gap No Gap Preparation of action plan by 31.03.2022		31.03.2022 Starting date 30.06.2022 Implementation – 30.06.2025
(iv)	Mini Collection Trucks with separate compartments	<ul style="list-style-type: none"> Not available with MCs Villages Panchayats (575) = Not adequate 	Preparation of action plan = 31.03.2022		Starting date 30.06.2022 Implementation – 30.06.2025
(v)	Waste Deposition centers (WDC) (for domestic hazardous wastes)				
I.	Municipal Council, Tarn Taran	Required = 1 Installed = 1	NA.	MC, Tarn Taran	Activity Completed
II.	Municipal council, Patti	Required = 1 Installed = 1	Not Required	MC, Patti	Activity Completed
III.	Nagar Panchayat Bhikhiwind	Required = 1 Installed = 1	Not Required	EO, Bhikhiwind	Activity Completed
IV.	Nagar Panchayat Khemkaran	Required = 13 Installed = 13	Not Required	EO, Khemkaran	Activity Completed
V.	Villages Panchayat (462)	Required=462 Installed=0	Preparation of action plan = 31.03.2022	DDPO & XEN Panchayati Raj	Starting date 30.06.2022 Implementation – 30.06.2025

4	Waste Transport				
(i)	Review existing infrastructure	(i) Existing fleet is Adequate in all MCs (ii) segregated Waste transport Possible in all MCs.	Yes Yes	All MCs	Activity Completed
(ii)	Bulk Waste Trucks	04 no. ULB's has provided bulk waste trucks = Nil	Proposal for the procurement of the machinery has been made by MC's.	All MCs	31.03.2022
(iii)	Waste Transfer points	<ul style="list-style-type: none"> • MC, Tarn Taran = 02 • MC, Patti = 01 • NP Khemkaran = NIL • NP Bhikwind = NIL 	No Gap MC, Patti = 01 Pending No Gap No Gap	All MCs	31.03.2022
5	Waste Treatment and Disposal				
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules).	<ul style="list-style-type: none"> • MC, Tarn Taran = 13 nos. BWGs • MC, Patti = 19 nos. BWGs • NP Khemkaran = NIL • NP Bhikwind = NIL 	Bulk waste generators are directed to ensure compliance.	All MCs	30.06.2022
(ii)	Wet-waste Management: Facilities for central Bio- methanation / Composting of wets waste.				
I.	Municipal Council Tarn Taran	Constructed = 64 Required = 71	MC, Tarn Taran has proposed to provide adequate no. of pits within time line.	MC, Tarn Taran	31/03/2022
II.	Municipal Council, Patti	Constructed=49 Required= 43	MC, Patti has proposed to provide adequate no. of pits within time line.	MC, Patti	31/03/2022
III.	Nagar Panchayat Bhikhiwind	Constructed=31 Required= 31	No Gap	EO, Bhikwind	Activity Completed

IV.	Nagar Panchayat Khemkaran	Constructed=20 Required= 20	No Gap	EO, Khemkaran	Activity Completed
V.	Villages Panchayat (575)	Yet to be provided	Preparation of action plan by 31.03.2022	DDPO	Starting date 30.06.2022 Implementation – 30.06.2025
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	<ul style="list-style-type: none"> MC, Tarn Taran Required = 02 no Provided = 01 no. MC, Patti Required = 01 no. Provided = 01 no. NP Khemkaran Required = 01 no. Provided = 01 no. NP Bhikhwind Required = 01 no. Provided = 01 no. 	MC, Tarn Taran has proposed to provide adequate no. of MRF's within time line.	MCS	31.03.2022
	Villages Panchayat (575)		Preparation of action plan by 31.03.2022	DDPO	Starting date of Project 30.06.2022 Completion date of project – 30.06.2025
(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	Yet to be provided by the ULBs Villages Panchayat = Yet to Established	No Action Plan submitted. Preparation of action plan by 31.03.2022	Department of urban development	Timeline 31.03.2022 (ULBs) Starting date of Project 30.06.2022 Completion date of project – 30.06.2025
(v)	Remediation of historic / legacy dumpsite				
i.	Municipal Council Tarn Taran	Total legacy waste = 84000 MT Waste Remediated = 1000 MT	Existing legacy waste requires remediation	MC, Tarn Taran	30.06.2022

ii.	Municipal Council Patti	Total legacy waste = 2000 MT Waste Remediated = 500 MT	Existing legacy waste requires remediation	MC, Patti	30.06.2022
iii.	Nagar Panchayat , Bhikwind	Total legacy waste = 4500 MT Waste Remediated = 0 MT	Not required	EO, Bhikwind	Activity Completed
iv.	Nagar Panchayat , Khemkaran	Total legacy waste = 1500 MT Waste Remediated = 0	Machinery Purchased work started.	EO, Khemkaran	30.06.2022
v.	Involvement of NGOs	Yes	NGOs shall be identified for the purpose.	All MCs, UD, GLADA and DDPO	Regular Activity
vi.	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.	MCS and Department of urban development	30.06.2022
vii.	Authorization of Waste Pickers	<ul style="list-style-type: none"> • MC, Tarn Taran Required = 20 no. Provided = 20 no. • MC, Patti Required = 15 no. Provided = 15 no. • NP Khemkaran Required = 16 no. Provided = 16 no. • NP Bhikwind Required = 36 no. Provided = 36 no. 	No gap for all ULBs	MCS, All MCs, UD, GLADA, and DDPO	Regular Activity

viii.	Preparation of own by-laws to comply with SWM Rules 2016	All MCs Prepared. DDPO (for villages 575) yet to be prepared	All MCs Prepared. DDPO (for villages 575) yet to be prepared	MCS, All MCs and DDPO	MCS, All MCs + Activity Completed DDPO (for villages 462)= 31.03.2022
ix.	Removal of garbage vulnerable points (GVPs)	No gap, as activity Completed	02 Municipal Council All the identified (GVPs) have been removed by the all MCs.	All ULBs (Municipal Corporation, Municipal Council and Nagar Panchayat) of the district.	Activity Completed
x.	Provision of greenbelt and boundary wall around solid waste dumping site.	In M.C Tarn Taran Green Belt done and Boundry Wall not possible due to ownership of land In NP Bhikhiwind Green Belt and Boundry Wall not possible due to Disputed land In NP Khemkaran Green belt done and Boundry wall also done.	In M.C Tarn Taran Green Belt done and Boundry Wall not possible due to ownership of land In NP Bhikhiwind Green Belt and Boundry Wall not possible due to Disputed land In NP Khemkaran Green belt done and Boundry wall also done.	All ULBs (Municipal Council and Nagar Panchayat) of the district.	<ul style="list-style-type: none"> 31.03.2022 for Boundary wall and green belt)
xi.	Providing Compartments and GPS tracking in garbage carrying vehicles	All the MCs/NPs have provided compartments & GPS tracking in garbage carrying vehicle.	Already complied with	ULBs	Activity completed
xii.	Action Plan for Treatment of leachate generated from legacy waste dumpsite. (Directions of Hon'ble NGT in OA no. 606 of 2018 dated	Treatment of leachate	Department of Urban Development (for other ULBs):- <ul style="list-style-type: none"> Leachate management will be 	MCS and Department of Urban Development	Department of Urban Development (for other ULBs):- <ul style="list-style-type: none"> Bioremediation of Legacy waste and Treatment of leachate waste = 30.06.2022.

	22.07.2019, 28.02.2019, 14.12.2020)		done after alongwith completion of Bio-remediation of legacy waste.		
xiii.	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. The web link of the same is http://swachh.city/	All Local bodies	Already in place
xiv.	CCTV cameras be installed at dumping sites. (Directions of Hon'ble NGT in OA no. 606 of 2018 dated 22.07.2019, 28.02.2019, 14.12.2020)	CCTV cameras not installed at dump site	Will be installed by 31.03.2022	All Local Bodies	31.03.2022
xv.	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)	CCTV cameras not installed at dump site	Will be installed by 31.03.2022	All Local Bodies	31.03.2022
xvi.	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	ULBs have planned to make a cluster and tie-up for scientific disposal of animal carcasses, or Plan for their own clustered project.	For short term measures, The carcass disposal sites (Hadda Rodies) will be provided with boundary walls, Green Belt, plantation, Hedges etc. by 30/06/2022.	MCB& EOs of ULBs and ADC (UD)	Short term measures 30/06/2022. Long Term measures 31/12/2023

	15.04.2021		For Long term measures Process of tie-up or project planning will be achieved by 31.03.2022 at State Level and same will be executed by 31/12/2023.		
xvii.	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				
xviii.	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.	The Colonies either may make arrangement with concerned MC for treatment of wet waste and lifting of dry waste for its scientific disposal or may provide onsite wet waste processing facilities for treatment of wet waste and for management of dry waste, these colonies may agreement with concerned MCs.	PUDA	<ul style="list-style-type: none"> • 31/12/2021 (for identification) • 31/12/2023 (for management of solid waste and liquid waste)
xix.	To prepare proposal / scheme for management of solid waste in the villages either in cluster form or independently in individual villages	Inadequate Management of solid waste in the villages.	Scheme is yet to be prepared.	DDPO	31.10.2022
xx.	Information Education and Communication (IEC) activities in respect of solid waste.	No gap	The IEC activities in this regard are already being done by the concerned departments. Promoters and Residents are informed when the joint team visits their	All ULBs (Municipal Corporation, Municipal Council and Nagar panchayat) of the district &	Regular Activity

			colonies and they are encouraged to follow the solid and liquid waste management rules.	GLADA	
xxi.	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
xxii.	Management of carcass in rural area.	Inadequate management of carcass in rural area.	No. of carcasses existing = 250 No. of carcass provided liquid waste management = NIL	DDPO	31.10.2024
xxiii.	Dry-Waste Management: Material Recovery for dry-waste fraction (RDF)	<ul style="list-style-type: none"> • MC, Tarn Taran Required = 02 no Provided = 01 no. • MC, Patti Required = 01 no. Provided = 01 no. • NP Khemkaran Required = 01 no. Provided = 01 no. • NP Bhikwind Required = 01 no. Provided = 01 no. 	MC, Tarn Taran has proposed to provide adequate no. of MRF's within time line.	MCS	31.03.2022

(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, Tarn Taran	1.0
2.	Municipal Council, Patti	0.1
3.	Nagar Panchayat, Bhikwind	0.2
4.	Nagar Panchayat, Khemkaran	0.1
	Total	1.4

Sr. No.	Local Bodies	Estimated quantity of Plastic Waste Generated (in MTD)
1	Villages Panchayats (575)	8.4

(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	<ul style="list-style-type: none"> All ULBs = 100 % Collection Villages Panchayat (575) = Not initiated. 	For achieving 100% door to door collection and source segregation	MCS&DDPO	31.03.2022 For preparation of Action Plan Completion date of project – 30.06.2025

2.	Facilitate organized collection of plastic Waste at Waste transfer point or Material Recovery Facility	<ul style="list-style-type: none"> MC, Tarn Taran Required = 02 no Provided = 01 no. MC, Patti Required = 01 no. Provided = 01 no. NP Khemkaran Required = 01 no. Provided = 01 no. NP Bhikhwind Required = 01 no. Provided = 01 no. Villages panchayats (575)= partial collection. 	<p>MC, Tarn Taran has proposed to provide adequate no. of MRF's within time line.</p> <ul style="list-style-type: none"> Ban will be proposed 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. <p>Preparation of action plan by 31.03.2022</p>	MCS & DDPO	<p>31.03.2022</p> <p>Starting date of Project 30.06.2022 Completion date of project – 30.06.2025</p>
3.	Plastic Waste collection Centres	Provision of proper Plastic Waste collection Centres.	04 ULBs = 1MRF in each ULB and adequate	MCS and Department of urban development	Activity Completed
4.	Awareness and education programs implementation	No gap	Awareness among public for minimizing and recycling PW is being done on regular basis	MCS and Department of urban development	Regular activity.
5.	Access to Plastic Waste Disposal Facilities	Inadequate Plastic Waste Disposal Facilities	04 ULBs = 1MRF in each ULB and adequate	MCS and Department of urban development	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)	NA	NA	PPCB	Regular activity.
7.	Development and setting up of infrastructure for segregation, collection, storage, transportation, Processing, and disposal of Plastic Waste either on its own for by engaging agencies or producers. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Inadequate disposal arrangement of plastic waste	Recyclable plastic waste is collected, transported and stored separately by all ULBs. Currently such plastic is being stored at MRF	All Local bodies & DDPO	31.12.2021
8.	Framing of bye-laws incorporating the provisions of Plastic Waste Management Rules, 2016. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Yet to frame in rural area	MCS and all MCs = already framed Rural Panchayats (575) = yet to prepared	MCS, ADC(UD) and DDPO	31.03.2022
9.	Set up, operationalize and co-ordinate for Plastic Waste management in Ruler area. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Inadequate Plastic Waste management in 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	31.10.2022

10.	Ban on non-recyclable single use polythene bags. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Ban on non-recyclable single use polythene bags	Ban has been already imposed by the State Govt., on sale, purchase, manufacturing and stock of plastic carry bags. The Ministry of Environment, forest And Climate change vide its notification dated 12.08.2021 has banned Single use plastic with effect from 1.07.2022. Further, the guidelines of the Centre and State Govt., regarding banning of single use plastic will be complied with.	ALL Local bodies/PPCB	The Ministry of Environment, forest And Climate change vide its notification dated 12.08.2021 has banned Single use plastic with effect from 1.07.2022. Further, the guidelines of the Centre and State Govt., regarding banning of single use plastic will be complied with.
11.	Segregation, collection, storage, transportation of plastic waste and channelizing of recyclable plastic waste fraction to recycler having valid registration. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Arrangement for plastic waste disposal.	04 ULBs = 1MRF in each ULB and adequate DDPO:- 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.	All Local bodies & DDPO	ULBs:- • 31.12.2021 DDPO:- 31.8.2022
12.	Awareness to the waste generator to take steps to minimize the plastic waste and segregate plastic waste at source. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	No Gap	Awareness is being carried out on regular basis. Camp will be organized of quarterly basis.	Local bodies & DDPO	Regular activity

13.	Encouragement to the education institute to take up waste management in their curriculum and create student project for waste recycling. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	No gap	Already being followed and seminars are being organized.	DEO primary and secondary	Regular activity
14.	Directions to Gram Panchayat to perform functions such as ensuring segregation, collection, storage, transportation, plastic waste and channelization of recyclable plastic waste fraction to recyclers having valid registration. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Disposal of plastic waste in villages.	Instruction are already been given to Gram Panchayat Through BDPO's	DDPO	DDPO:- 31.03.2022 For preparation of Action Plan 30.06.2022 For Starting Date 30.06.2025 For Implementation
15.	Creating awareness among all stakeholders about their responsibilities, and ensuring that open burning of plastic waste does not take place. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	No gap	All stakeholders are being made aware regarding their responsibility. It is being ensured that open burning of plastic waste does not take place. Violators are challans.	All local bodies	Regular activity
16.	To ensure proper plastic waste management, industries may be directed to explore the possibilities of use of such wastes in construction of roads. Further industries may also be directed to collaborate with different research institutes to explore such alternatives. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Plastic waste use in construction of roads	Instructions will be given to the industries to explore such activities to department of industries who through research institutes	MCS, ADC(UD)and PWD	31.03.2022

(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)	0.7 MT
Does the ULBhas access to C&D waste recycling facility?	Yes (Grinder Machine Installed)

(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 • 04 ULBs =Separate collection site provided in each ULB and adequate.	Not required	MCS & Department of urban development	Activity Completed
2.	Whether local authority have fixed user fee on C&D waste and introduced permission system for bulk waste generators who generate more than 20 tons or more in one day or 300 tons per project in a month?	There is no any C&D Bulk waste generator	Not required	MCSs	

3.	C&D recycling Facility	Presently there is no C&D recycling Facility in the District Tarn Taran	Yet to be made.	MCs	31/12/2022.
4.	Usage of recycled C&D waste in non-structural concrete, paving blocks, lower layers of road pavements, colony and rural roads				
5.	ICE on C&D waste management	No gap	Awareness will be done through media, NGOs & Radio on quarterly basis.	MCSs	Regular Activity.

(iv) Bio medical Waste Management

(a) Current Status related to biomedical waste

Inventory of BMW in the District	Quantity
Total no. of Bedded Healthcare Facilities	110
Total no. of non-bedded HCF	114
No. of HCFs authorized by SPCBs/PCCs	220
Total No. of veterinary Hospitals/Dispensaries in the District Tarn Taran	106
Total No. of veterinary Hospitals/Dispensaries connected with Common Biomedical treatment facility (CBWTF).	106 Dispensaries connected via nearest block level institutions
Total no. of veterinary Hospitals/ Dispensaries obtained the authorization of Punjab pollution Control Board	106
Total No. of veterinary Hospitals/Dispensaries adopted segregation of BMW through separate colour coded collections bins.	106
Total no. of veterinary Hospitals/Dispensaries complying with BMW Rules, 2016 and Maintaining record of Biomedical waste	106

generation and its disposal to CBWTF.	
No of Common Biomedical Waste Treatment and Disposal Facilities (CBWTFs)	NIL
Capacity of CBWTFs	NA
No. of Deep burials for BMW if any	NIL
Quantity of biomedical waste generated per day	3325.786 kg/day
Quantity of biomedical waste treated per day	3325.786 kg (At CBWTF's located at Amritsar).

(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) = 224 HCFs authorized by the PPCB = 220. 	Regular camps are being organized to pursue the HCFs to obtain the authorization.	PPCB	Regular activity
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 HCF 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=110 Total HCF install ETPs=08 	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	<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 	Already Being Complied.	Health department	Activity Completed

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)	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.			
--	--	--	--	--

(v) Hazardous Waste Management

(a) Current Status related to Hazardous Waste Management

Details of Data Requirement	Present Status
No of Industries generating HW	12
Quantity of HW in the district (MT/Annum)	454.775
Quantity of Incinerable HW (MT/Annum)	12.000
Quantity of land-fillable HW (MT/Annum)	125.300
Quantity of Recyclable/utilizable HW(MT/Annum)	Recyclable=72.65 Utilizable=244.825
Nos. of captive/common TSDF	There is no TSDF facility in Distt. Tarn Taran. There is no standalone captive incinerator in Distt. Tarn Taran
No of industries provided on site impervious facilities for temporary collection of hazardous waste	12
Contaminated Sites or probable contaminated sites	0
Monitoring of ground water of common TSDF.	No common TSDF falls in the District Tarn Taran.

(b) Identification of gaps and action plan:

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 =12 Authorized by the PPCB=06. 	Regular camps are being organized to pursue the industries to obtain the authorization.	PPCB	30.06.2022
2.	Establishment of collection Centres	No Gap	The industries generating hazardous waste have provided separate storage/collection facilities for temporary storage of hazardous waste till its final disposal to the hazardous waste management sites.	MCS& Department of urban development.	Regular Activity
3.	Training of workers involved in handling/recycling/disposal of HW	No Gap	The workers are being trained time to time. One training program will be provided in a quarter.	Department of Industries	Regular activity
4.	Availability/Linkage with common TSD For disposal facility	The industries generating HW have access to common TSDF in the State. No. of units identified linked with CTSDF = 1050	The industries generating HW have access to common TSDF in the State.	PPCB	Activity completed
5.	Contaminated Sites	No Contaminated Site	No Contaminated Site	Local Bodies, DDPO and PPCB	No Contaminated Site

(vi) E-Waste Management

(a) Current Status related to E-Waste Management

Details of Data Requirement	Present Status
Inventory of E-Waste in MT/year	NIL
Collection centers established by ULBs in the District	NIL
Collection centers established by Producers or their PROs	NIL
Nos. authorized E-Waste recyclers /Dismantler	No authorized e-waste recyclers / Dismantler exist in District Tarn Taran

(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	30.04.2022
2.	E-Waste collection points	E-Waste collection points not available in towns and cities and EPR need to be strengthened.	04 no. collection centres to be setup in various town of Distt. Tarn Taran	MCS, All MCs and GMDIC	30.06.2025
3.	Linkage among Stakeholders de channelize e-Waste	No system provide yet	Work under progress	MCS, All MCs and GMDIC	31.03.2022
4.	Regulation of Illegal E-Waste recycling /dismantling	Illegal E-Waste recycling /dismantling units are being identified	Work under progress	District Administration & PPCB	30.06.2025
5.	Integration of informal sector	Being done	Being prepared.	District Administration & PPCB	31.10.2022
6.	Awareness and Education	Regular activity	Quarterly Special	District	Regular Activity

			workshops and awareness campaigns through Producers/PROs will be carried out.	Administration & 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
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 Authorised Producers will be verified per year.	This is a continuous activity. All the EPR Authorised Producers will be verified per year.	PPCB	Regular activity
9.	Verification of facilities of dismantlers and recyclers for their infrastructure and records. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	This is a continuous activity. All the dismantlers/recyclers will be verified per year.	This is a continuous activity. All the dismantlers/recyclers will be verified per year.	PPCB	Regular activity
10.	Checking of informal trading, dismantling, and recycling of waste. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Regular activity	Quarterly drive will be carried out checking of this activity.	District Administration/ PPCB	Regular activity
11.	Facilitate collection and disposal of e-waste. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Regular activity	Mechanism for collection and for incentivizing setting up of recycling facilities will be complied with.	District Administration/PPCB	Regular activity
12.	Governance frame work for monitoring compliance. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Regular Monitoring will be carried out to check the compliance.	Regular Monitoring will be carried out to check the compliance.	District administration/PPCB.	Regular activity

13.	Capacity building at district level. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	No gap	Workshops/seminars to educate functionaries is being run on regular basis.	District Administration, PPCB & Local bodies.	Regular activity
14.	IEC plan be firmed up and executed. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	No gap	IEC plan has been prepared by state and being implemented in all ULBs widely.	District Administration, PPCB & Local bodies.	Regular activity
15.	Strengthen system of enforcement. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	No gap	Status of enforcement of Byelaws 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 allocate to the existing and upcoming industrial unit for E waste dismantling and recycling facility.	PSIEC	Already done
17.	Recognition and registration of workers involved in dismantling and recycling, undertake industrial skill development activities for the workers involved in dismantling and recycling. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	No gap	Recognition and registration of workers involved in dismantling and recycling and industrial skill development activities for the workers involved in dismantling	Labour Department	Regular Activity

			and recycling will be done on 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	Domestic hazardous waste deposition centers will be established with the each secondary collection point. Department of Urban Development (for other ULBs):-	All Local Bodies	MCS:- 31.12.2022 as same will be established with the secondary points and establishment of the compactor.

2. AIR QUALITY MANAGEMENT

(a) Current Status related to Air Quality Management

Details of Data Requirement	Present Status
Number of Automatic Air Quality monitoring stations in the district. - Operated by SPCB / State Govt / Central govt./PSU agency: - Operated by Industry:	No (CAQMS) installed in District Tarn Taran Nil
Number of manual monitoring Stations operated by SPCBs	There are no manual monitoring station in Distt Tarn Taran
Name of towns/cities which are failing to comply with national ambient air quality stations	NA
Nos. of air polluting industries	233
No. of unit installed APCD	233
Status of Air Consent	<ul style="list-style-type: none"> • Regular activity • Total no. of industries requiring consent to operate under Air Act, 1981 Red = 19 Orange =254 Green=32 • Total no. of units having valid consent as on 31.08.2021 Red =19 Orange =140 Green=26 • Timeline for grant of consents to the balance units not having valid consent. Red =31.03.2022 Orange = 30.06.2022 Green= 30.09.2022
Prominent air polluting sources	Industry, Road dust, transport, Burning of biomass & Vehicular pollution.

(b) Identification of gaps and action plan:

S. No.	Action points	Gap & Indicative Action Plan	Responsible agency	Timeline for completion of action plan
1.	Identification of prominent air polluting sources?	Inventory already in place.	PPCB	Inventorization for regular.
2.	Ambient Air quality data?	There is no manual/online monitoring station installed at Distt Tarn Taran	PPCB	-
3.	Setting up of Continuous Ambient Air Quality Monitoring Station	There is no proposal for setting up of Continuous Ambient Air Quality Monitoring Station in Distt Tarn Taran yet.	PPCB	-
4.	District Level Action Plan for Air Pollution	Distt Tarn Taran is not covered under 9 non attainment cities of Punjab.	PPCB	-
5.	Hotspots of air pollution in District	Distt Tarn Taran is not covered under 9 non attainment cities of Punjab.	Punjab Pollution Control Board	-
6.	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
7.	Industries to be converted from coal to CNG	Distt Tarn Taran is not covered under 9 non attainment cities of Punjab.	Punjab Pollution Control Board	Regular activity
8.	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 = 177 • Converted to ZIG Zag Technology= 68 • Yet not converted = 109 • Direction issued u/s 31-A of Air Act, 1981 to DFSC to canceled the license of BKOs = 20 	PPCB/DFSC	30.09.2019
9.	Maintain pothole free roads / timely patchwork on roads	MCS The patch work is a regular process. GLADA/PWD	MCS, PWD, GLADA	Regular activity

		Patchwork of roads is continuous process. As and when potholes develop on roads the same are got repaired as soon as possible.		
10.	Procurement of Mechanical sweeping machines	<ul style="list-style-type: none"> MC Tarn Taran has already provided 01 no mechanical sweeping machine 	MC, Tarn Taran	Regular activity
11.	Plantation of trees along highways, drains, Nallahs in colonies and canals etc.,	<ul style="list-style-type: none"> Plantation has been done already in various urban estates and the further plantation will be done accordingly when new land will be acquired. The new target for plantation of 200 trees has been proposed in remaining ULBs of District. The same will be started as per suitable weather conditions for plantation. 	MCS, DDLG, GLADA,	Regular activity
12.	Greening of parks, open areas, community places, schools and housing societies	<p>Drainage department Accordingly when new land will be acquired. and approximately 4300 plantation will be done in various urban estates</p> <p>Forest department 450123 will be planted in the year 2021-22</p> <p>DDLG One park in each ULB is being developed and planation is also being carried out.</p>	Drainage department, MCS, DDLG, GLADA, and Forest department	Regular activity
13.	Kaccha/Brick Paved Roads to be made Pucca roads	The Paved roads/kaccha roads are also converted into pakka road in each ULBs.	MCS	Regular activity
14.	Existing roads requiring re carpeting	<p>DDLG</p> <p>The roads of ULBs presently are in good condition. The re-carpeting will be done as and when required.</p>	MCS, DDLG, PWD, GLADA, PSIEC	Regular activity
15.	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
16.	Extensive drive against polluting vehicles	The extensive drive against polluting vehicles already initiated by the Police department.	Traffic Police	Regular activity
17.	Prevention parking of vehicles in non-designated	The extensive drive already initiated by the Police department to prevent parking of vehicles in non-	Traffic Police	Regular activity

	areas by enforcement actions	designated areas and issuing challans to the violators.		
18.	Phasing out commercial diesel vehicles more than 15 years old	Scheme under consideration.	Transport	Time Target: 31.12.2022
19.	Promotion of E-Vehicles	The is being done on regular basis.	Transport	Regular activity
20.	Infrastructure development for additional of CNG based autos/taxis	Regular financial and Administrative support is given to CNG based autos/taxis for their operation	Transport	Regular activity
21.	Control of open burning of bio-mass.	MCS 100 Number of pits constructed in Parks and green belts of Tarn Taran out to control of open burning of bio mass in the city. DDLG Regular monitoring is being done in each ULB. Further, no. of pits are constructed in each ULB to control the burning of bio mass	MCS and DDLG	Regular activity
22.	Quality Management Division(AQMD) at PPCB (HQ)Establishment of an Air	Not Required	PPCB,	Not Required
23.	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
24.	Scope for public participation on remedial measures like plantations. (Directions of Hon'ble NGT in OA no. 360/2018 dated 05.07.2021)	Tarn Taran Forest division has 20 registered village forest Committees. Plantation and maintenance is being done by public participation mode.	Department of forest	Regular Activity
25.	Carrying capacity and source apportionment study of non-attainment Cites.	Not Required	PPCB	Not Required

26.	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	Time target: 31.12.2021
27.	Steps to be taken for management of agriculture waste/residue.	<ul style="list-style-type: none"> • During 2020-21 Total 1922 machines for crop residue management have been given out of which 603 to the individual farmers, 1293 to the registered farmer groups and 26 machines to cooperative societies at subsidies rates under In-situ Management of Crop residue Scheme. • During 2021-22 Total 1456 machines for crop residue management have been given out of which 47 to the individual farmers, 234 to the registered farmer groups, 1099 to panchayats and 76 machines to cooperative societies at subsidies rates under In-situ Management of Crop residue Scheme • 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/Regular Activity.

3. WATER QUALITY MANAGEMENT

(a) Water Quality Monitoring

- Current Status related to Water Quality Management

Details of Data Requirement	Present Status
Rivers	River Sutlej River Beas
Length of Coastline (if any)	Nil
Nalas/Drains/Creeks meeting Rivers	Nil
Lakes/Ponds	[Nos] and [Area in Hectares]
Total Quantity of sewage from towns and cities in District	27 MLD
Quantity of industrial waste water	4.495 MLD
Percentage of untreated sewage	51.85%
Details of bore wells and number of permissions given for extraction of groundwater	298
Ground water polluted areas if any	Nil
Polluted river stretches if any	Nil

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

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Inventory of water bodies	The detailed inventory of water bodies is to be prepared by Drainage Department and Rural Development. The mapping of the Rivers and drains is also to be carried out.	DDPO/Drainage	30.06.2022
2.	Quality of water bodies in the district	Monitoring of various water bodies of Distt. is already being carried out by Punjab Pollution Control Board on regular basis.	Water Resources Department/PPCB	Regular activity

3.	Hotspots of water contamination	Monitoring of various water bodies of Distt. is already being carried out by Punjab Pollution Control Board on regular basis. Action plan for clean River Beas has already been prepared by Punjab Pollution Control Board and regular monitoring of the same is being done through monthly progress reports and is reviewed at state level by Hon'ble PSSTE, Chandigarh and by CS Punjab in apex committee.	Punjab Pollution Control Board	-
4.	Protection of river/lake water front	Action plan for clean River Beas has already been prepared by Punjab Pollution Control Board and regular monitoring of the same is being done through monthly progress reports.	/Water Resource/DDPO/All Municipal Councils, Tarn Taran/ Water Resources Department/PPCB/ULB	--
5.	Inventory of sources of water pollution	Already completed and incorporated in Action Plan Beas.	PPCB	Already Completed
6.	Oil spill disaster management (for coastal districts)	Not applicable	Not applicable	Not applicable
7.	Protection of flood plains	Plan Prepared. Info. Available on https://tarntaran.nic.in/disaster-management/	Drainage Department	Plan Prepared. The concerned department regularly observes and protects the flood plains by constructing river training works.
8.	Rejuvenation of ground water	As per Master Plan to Artificial Recharge to Ground Water in India-2020, 8447 Recharge shaft, 24030 farm Pond and 20342 Rooftop Rain water harvesting structures have been suggested for Tarn Taran district. The link for the Master Plan is http://cgwb.gov.in/Master%20Plan%20to%20GW%20Recharge%202020.pdf	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**

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

Details of Data Requirement	Present Status
No of Class-II towns	2
No of Class-I towns	Nil
No of Towns STPs installed	01
No of Towns needing STPs	02
No of ULBs having partial underground sewerage network	02
No of towns not having sewerage network	0
Total Quantity of Sewage generated in District from Class II cities and above	21 MLD
Quantity of treated sewage flowing into Rivers (directly or indirectly)	13 MLD
Quantity of untreated or partially treated sewage (directly or indirectly)	08 MLD
Quantity of sewage flowing into lakes	0
Total available Treatment Capacity	13 MLD

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

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of Action plan
1.	Sewage Treatment Plants(STPs)	MC Tarn Taran has installed 02 no STP of 4 MLD & 9 MLD. MC Patti is at DPR stage for installation of STP	MCS, ADC (UD) and PWSSB	31.12.2022
2.	Underground sewerage network	Sewerage network is already being laid out in major town and cities. The percentage of sewerage laid is	MCS, ADC (UD) & PWSSB	31.12.2022

		as under;- (i) MC Tarn Taran = 85% (ii) MC Patti = 90 % (iii) NP Khemkaran = 67% (iv) NP Bhikhiwind = 10 %		
3.	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	MCS, GLADA, PWSSB	GLADA, MCS & PWSSB has informed that Funds have been tied up.
	(ii) Providing proper in-house laboratory facilities at each STP for maintaining record of characteristics of analysis of untreated as well as treated waste water	Completed	MCS, GLADA, PWSSB	Total STP = 02 Lab not provided = 02 as small STPs
4.	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.	A. Total no. of villages where appropriate technology is required = 29 B. No. of village ponds for which work has been completed:- Nil C. No. of villages where work is under progress= Nil D. No. of villages where work is yet to be started = Nil	DDPO	31/12/2022

	(i)Finalization of appropriate technology			
	(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: 29 B. The work for arrangements of funds for the remaining village is under process. Nil	DDPO	31/12/2022
	(iii)Reuse of water for agriculture purpose in villages.	A. No. of village ponds for which irrigation scheme has been implemented: 01 B. Progress for the remaining villages: work is under progress under the MGNREGA Scheme.	DDPO	--
	(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: Nil B. Progress for the remaining villages for remaining villages work is under progress under the MGNREGA Scheme Nil	DDPO	--
5.	(i)Checking of health indices of the in-habitants & maintaining 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
6.	(i)Measurement of flow at different locations of River Beas & drains. (ii) To stop unauthorized discharge in the drains.	The flow is being monitored on monthly basis by the drainage department. • The regular survey is being done by the concerned departments to stop unauthorized discharge in the drains.	Department of water resources, Department of water resources, MC Land DDPO.	Regular activity -

7.	Setting up of additional water bodies/water harvesting structures	District Administration has constituted committees of the officers of various departments on 24.12.2020 and also ADC(D), Tarn Taran held meeting with District Level Officers on 24.04.2021 and instructions have been issued for identification of existing ponds / water bodies, their area, capacity and flood status etc	ULBs and ADC(UD)	31.12.2021
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 04.02.2021)	Being implemented as per guidelines framed by CPCB. <ul style="list-style-type: none"> • Total no. of units: 11 • No. of units having installed ETP / STP: 02 • Gap: 09 	PPCB	31.12.2022
10.	All the units having kitchen should have proper ducting arrangement. The	Already being followed as per guidelines framed by CPCB	PPCB	31.12.2022

	units using DG sets must have the proper stack height. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)			
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 directed to constitute monitoring committees to monitor the Extraction of Ground Water by	Such Committees will be constituted	District Administration	31.12.2021

	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 of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Water mapping of all the OCS assessment units has been done as per the guidelines of GOI as per GEC-2015 Methodology by taking Block as a Unit of Assessment. The data of years 2015-19 has been taken for assessing the same recently. As per this study out of total 150 Blocks taken for study, 117 Blocks (78%) are "Over-Exploited", 6 Blocks (4%) are "Critical", 10 Blocks (7%) are "Semi-Critical" and 17 Blocks (11%) are in "Safe" category. The water level trends have been computed for last 10 years from 2009-2019 data	Water Resources (Ground water cum NHP wing) and PWRDA	Activity Completed

16.	Water Management Plans need to be prepared for all OCS assessment units in the country based on the mapping data, starting with Overexploited blocks. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Punjab Government has engaged M/s Mekorot, National Water Company of Israel to formulate the Water Conservation and Management Master Plan for the State of Punjab and their final recommendations 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 year. (Directions of Hon'ble NGT in OA no. 325/2015 dated 18.11.2020)	District Administration has constituted committees of the officers of various departments on 24.12.2020 and also ADC(D), Tarn Taran held meeting with District Level Officers on 24.04.2021 and instructions have been issued for identification of existing ponds / water bodies, their area, capacity and flood status etc.	DDPO	31.08.2022

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 of 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.	Development of Bio Diversity Parks in the vicinity of rivers lead to continuous recharge of aquifers. (Directions of Hon'ble NGT in OA no. 325/2015 dated 18.11.2020)	MCS:- There is 02 bio diversity park develop in Distt Tarn Taran	MCS, Forest Department & Drainage Department	- -
21.	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
22.	Land owning agencies must ensure that every water body has unique ID for its identification. There should be retagging of	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

	the water bodies to prevent encroachment. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)			
23.	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
24.	Installation of STP will be mandatory for all residential apartments/group housing societies where groundwater requirement is more than 20 m ³ /day for getting NOCs. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Directions being already followed.	GLADA/MCS/Department of urban development	Regular Activity

25.	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.	MCS, ADC (UD)& PWSSB	MCS Time line for Preparation of plan = 31.03.2022. Time line for implementation of plan = 30.09.2022.
26.	Control of illegal extraction of groundwater. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Efforts are being made to control illegal extraction of ground water. Inspection regarding same is being done time to time by ULBs	All Local Bodies	Regular Activity
27.	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 Tarn Taran.	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.
28.	Appointment of Nodal officer with contact number	All the departments have appointment the Nodal officer and list is attached as Annexure-X	All concerned departments	Completed
29.	Preparation of operational manual of STPs for the effective	It is under preparation.	PPCB	Time target: 31.10.2021

	and efficient operation of the STPs of the state.			
30.	Enhancement of capacity of existing ponds/ water bodies and creating of new water harvesting structures.	District Administration has constituted committees of the officers of various departments on 24.12.2020 and also ADC(D), Tarn Taran held meeting with District Level Officers on 24.04.2021 and instructions have been issued for identification of existing ponds / water bodies, their area, capacity and flood status etc.	DDPO	Timeline: 31.10.2023
31.	Usage of treated sewage for sprinkling purposes for sweeping of roads to control dust pollution.	Progress achieved: <ul style="list-style-type: none"> • MCS: scheme under consideration • DDLG: Being used for sprinkling purposes. GLADA: Already being used for sweeping of roads in various urban estates.	MCS, DDLG and GLADA.	Regular activity
32.	Mapping of the rivers and flood plain zones in the catchment area of rivers of the State.	The mapping has been done by the Drainage 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	Drainage Department	Completed
33.	Utilization of STPs sludge	STP sludge is used by the farmers as manure.	MCS, DDLG, and GLADA	Regular activity
34.	Framing policy for the management of highly contaminated Feecal sludge generated from the rural areas.	Progress achieved: State level policy matter and time target for framing of policy will be informed after taking up matter at higher level.	DDPO	Policy will be framed by 30.04.2022. Implementation = 30.04.2025
35.	The projects being developed for supply of canal water to the inhabitants of the cities/villages may be completed in a time bound manner.	Site has been identified; and yet to be acquired. Construction of WTP transmission lines up to OSHR will be completed in Phase 1 up to 2025. Budgetary Provision (i) Capital Cost is to be funded by World Bank and Punjab Govt. (ii) Operation & Maintenance Cost shall be borne by	MCs	31.10.2025 DPR and RFP prepared and approved. (i) Floating of RFP – 31.12.2021 (ii) Construction of WTP, Laying of Transmission lines up to OSHRs and Construction of OHSRs will be completed in Phase 1 up to 2025.

		ULBs and Rural Developent.		
36.	Reuse of treated effluent through existing STPs (OA no. 496/2016 dated 22.01.2021)	The estimate for laying pipeline for utilization of treated sewage for irrigation has been prepared and the matter regarding release of funds has been taken up with the Head Office of the Department, but, funds are yet to be released.	Department of Soil conservation, ULBs/PWSSB	-
37.	Installation, operation & maintenance of online continuous effluent monitoring system with flow meter as well as CCTV cameras for the existing STPs as well as new STPs to be installed.	<ul style="list-style-type: none"> • Total STP=2 • OCEMS Provided=2 	PWSSB	
38.	Activity w.r.t. In-situ remediation technology to be provided in the drains carrying untreated sewage.	MC Tarn Tarn, MC Patti, NP Bhikhiwind and Khemkaran:- The ULB has been directed by the Punjab Pollution Control Board to provide in-situ remediation of the waste water carrying drain of the town	All Eos	31.12.2021

4. INDUSTRIAL WASTE WATER MANAGEMENT

(a) Current Status related to Industrial Waste water Management

Number of Red, Orange, Green and White industries in the District	Red Category unit=19, Orange Category unit =254, Green Category unit=32
No. of Industries discharging waste water (generating trade effluent)	32 i. No. of industries installed captive ETP = 32, ii. No. of industries joined CETP = NIL iii. No. of industries joined Re-processor = NIL
Status of Water Consent	<ul style="list-style-type: none"> Regular activity Total no. of industries requiring consent to operate under Water Act, 1974 Red = 19 Orange =254 Green=32 Total no. of units having valid consent as on 31.08.2021 Red = 19 Orange = 140 Green=26 Timeline for grant of consents to the balance units not having valid consent. Red = 31.03.2022 Orange = 30.06.2022 Green= 30.09.2022
Total Quantity of industrial wastewater generated	4.495 MLD
Quantity of treated industrial wastewater discharged into Nalas/ Rivers	0.005 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		PPCB	Already installed
	1. 17 categories of industries.	OCEMS already installed.	PPCB	OCEMS installed
4.	Installation of Electromagnetic flow meters at inlet and outlet of ETP.	<ul style="list-style-type: none"> Total units required EMF = 06 EMF Installed at inlet & outlet = 06 	PPCB	31.03.2022
5.	Inspection of units to check compliance	Inspection already being made	PPCB	Regular activity

5. 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	01
% Area covered under mining in the District	3.83 Hectares
Area of Sand Mining	3.83 Hectares
Area of sand Mining	River Bed

(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	A district level task team Already Constituted	Department of water resources	Regular activity
2.	Inventory of illegal mining if any mining	Regular surveillance, patrolling gis being carried out to check the illegal mining.	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	Drainage Department	Regular Activity

		& approved by State Geologist, Pb.		
10.	Status of CCTV Cameras installation at mining points to verify the amount of sand extracted. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	CCTV cameras has been installed at mining points and integrated with Govt. Web-Portal.	Drainage Department	Installed
11.	Status of regular patrolling by the police to inspect the mining operations. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	Police patrolling is being done on regular basis.	Police Department	Regular activity
12.	Status of daily reports regarding mining to be filed by SHO/ Mining officer to be sent to District Magistrate.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	Regular checking's and inspections are conducting for prevention of illegal mining activity in District by the Special Flying squads time to time and when required & for daily patrolling/checking and regular checking's the report has been sent to DC/DM/DMO.	Police Department & Drainage Department	Being followed.
13.	Status of vehicles confiscation. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	In Compliance of the Rules and Guidelines laid down by State Govt. & Hon'ble NGT Total 451 FIR's has been lodged under the jurisdiction of District Tarn Taran and total 655 No's Vehicles has been impounded by the Concerned Officials during the period of 01/2018 to 06/2021	Police Department & Drainage Department	Regular activity.
14.	Status of setting up of dedicated institutional mechanism for monitoring of conditions of Environmental Clearance as granted under EIA Notification, 2006 in respect of sand and gravel mining.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	The process for establishment of Monitoring System in the State by the Head Office, Water Resources Department, Pb. Chandigarh is under process, Publication for tender has been done the Head Office.	Drainage Department	Tender has been done, time of completion 31.10.2023.

15.	Necessary steps to be taken by District Administration for the effective monitoring mechanisms for preventive and remedial measures including surveillance system for recovery of compensation.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	District Administration has constituted Flying Squad Teams for regular checking's and inspections for proper monitoring the illegal mining activity in District & Night Duty Roaster of Diff. Department Official's has been prepared for Night time Inspection has been prepared on monthly basis by District Administration (Tarn Taran) Moreover, The process for establishment of Monitoring System in the State by the Head Office, Water Resources Department, Pb. Chandigarh.	Drainage Department	Regular activity
16.	Electronic surveillance through UAVs/Remote Sensing is a good surveillance option especially in areas where sand mafias are active. Night vision drones could be used for checking mining activity at night. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	The process for establishment of Monitoring System (Electronic Surveillance through UAVs/Remote Sensing) in the State by the Head Office, Water Resources Department, Pb. Chandigarh is under process, Publication for tender has been done the Head Office.	Drainage Department	Tender has been done, time of completion 31.10.2023.
17.	Sensitive spots need to be identified and police presence- both static presence and dynamic patrolling needs to be beefed up there. DMs / SSPs be made directly responsible for checking illegal mining.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	Police presence- both static presence and dynamic patrolling is being done on sensitive spots.	Police Department	Regular Activity
18.	Storage Godowns should be at least 5 kms away from the river bank. Otherwise, illegal mining can be carried on under the garb of storage by the leaseholder himself.(Directions of Hon'ble NGT in OA no. 360/2015 dated	The storage godowns/ stock yards established outside the river bank and maximum storage godowns more than 5kms from the pit site, after proper demarcation and assessment of the minor mineral with the help of revenue	Drainage Department	Regular Activity

	26.02.2021)	department, pillaring/ fencing of the storage/stock yard is done on site and enteries of that storage/stock is entered in Govt. Portal. However, during the upcoming moonsoon season more effective measures will be taken up for compliance of this guideline.		
19.	Geo-fencing of sites, their physical demarcation, allotment of geo-coordinates to all the pillars and their constant physical inspection and electronic surveillance is a must to ensure that the mining activity is as per the approved mining plan and no illegal mining, detrimental to environment, is going on.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	Demarcation of Mining lease has been carried out before granting the final approval to the contractor/leasee and the same has been checked on regular basis by concerned Revenue Department in presence of Mining and pillaring is carried out on siteto ensure that mining activity is as per the approved mine plan.	Drainage Department	Completed
20.	There has to be a mechanism to ensure that the actual mining activity conforms to the approved Mining Plan and the approved Environment Management Plan (EMP). Besides the statutory system of Departmental inspections, there has to be a system of annual mandatory Environmental Audit by experts. Environment Department can empanel some experts/expert institutions with standard TORs and Remuneration terms which could be utilized by the Mines Department on a regular basis.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	In state of Punjab, a Govt. Web Portal has been introduced for the transparent function of extraction/ transportation/ sale of minor mineral. In which the record of extraction is maintained and a team of experts audits this system annually. To bring the transparency in system, each weightment slip provided to the transportor, contains a QR Code & can be scanned by any smartphone available in market, to get the desired information of the minor mineral.	Drainage Department	Regular Activity

21.	There has to be an effective mechanism for restoration of environment in case of its degradation due to mining. A portion of the royalty could be reserved for it as Environment Restoration Fund. The Environment Department can empanel some reputed institutions with standard terms for preparing environmental restoration plans which could be used directly by the Mining Department without the arduous formalities.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	At present stage no such problem or situation occurs in District Tarn Taran & 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	31.12.2021
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)	During the action against illegal mining activity, if any type of vehicle (Tractor Trolley/Truck/Tipper/JCB/Poclaim/ other vehicle) got impounded/seized during the action, after the proper legal procedure taken by the concerned department the such vehicle is released.	Drainage Department	Regular Activity
23.	Annual reports on the subject and such annual reports may be furnished to MoEF& CC by 30th April every year giving status till 31st March. First such report as on 31.03.2022 may be filed with the MoEF&CC by all he States/UTs on or before 30.04.2022.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	Needful will be done.	Drainage Department	30.04.2022

6. 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 =40 Nos. of analyzers available =01 Timeline to arrange balance noise analyzers = 40 (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 = 40 Nos. of analyzers available = 01 Timeline to arrange balance noise analyzers = 39 (By Police Department i.e. one meter to each SHO) 	PPCB and Police Department	30.06.2022
2.	Ambient Noise Level monitoring	The ambient noise level is measured by the special team in case of complaint/orders of the Hon'ble Court or Higher Authorities through noise monitoring device available with Punjab Pollution Control Board.	PPCB	31.12.2022
3.	Sign boards in Noise zones	08 Sign boards are installed at sensitive zones. More sign board will be installed	ULBs	30.06.2022
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	-
5.	Checking of pressure horn of vehicles	Regular checking of vehicle is being done by the police department and same activity will be continued.	Police Department.	Regular activity. The checking will be done twice in a month.

List of Nodal Officers (Annexure-X)
List of the Nodal Officers of the stakeholder Departments

Sr No.	Name of the Department	Nodal Officer Name	Designation	Mobile no.	Email Id
1.	MC, Tarn Taran, MC Patti, NP Khemkaran, NP Bhikhiwind	Sharanjeet Kaur Bhupinder Singh Kawaljit Singh	Executive Officers	97819-86101 98554-42701 98143-22733	mctarntaran@gmail.com mcpattieo@yahoo.in npbhikhiwind@gmail.com eonpkk@gmail.com
2.	Urban Development, Tarn Taran	Dr. Rajat Oberoi	Additional Commissioner (Urban Development), Tarn Taran	98155-98111	adcctarntaran@gmail.com
3.	Punjab Pollution Control Board	Er. Harpal Singh	Environmental Engineer	98789-50554	ppcbroamritsar@gmail.com
4.	Regional Transport Authority, Tarn Taran	Shri Arashdeep Singh Lobana	RTA	0183-2565244	dtotarntaran46@gmail.com
5.	Police Deptt.	Sh. Dilbagh Singh	DSP HQ	98786-72872	dsphq@gmail.com
6.	Distt. Development and Panchayat Officer, Tarn Taran (DDPO)	Sh. Sandeep Malhotra	DDPO	95010-49300	ddpott@gmail.com
7.	District Soil Conservation Officer, Department of Soil & Water Conservation, Tarn Taran	Sh. Amandeep Singh	SDO	9646181721	asrdsco@gmail.com
8.	Superintending Engineer, Punjab Water Supply & Sewerage Board, Tarn Taran	Sh. Kulwant Singh	SDE	95010-06428	sewboardamritsar@gmail.com

9.	PWD (B&R), Tarn Taran	Sh. Inderjit Singh	Executive Engineer	98761-76858	sde.csd.ttn.pwd@punjab.gov.in
10.	Department of Water Resources & Drainage, Tarn Taran	Sh. Davinder Kumar Aeri	XEN	98786-06921	xendrainage@gmail.com xenbddasr.2010@gmail.com
11.	Agriculture Department, Tarn Taran	Sh. Jagwinder Singh	Chief Agriculture Officer	98155-15026	caotarntaran@yahoo.in
12.	Forest Department, Tarn Taran	Sh. Surjeet Sahota	DFO	98155-15026	dfoamritsar@rediffmail.com
13.	PSIEC, Tarn Taran	Sh. Davinder Singh	SDO	74520-00012	psiec_chd@yahoo.com
14.	District Food & Civil Supply Officer, DFSC, Tarn Taran	Sh. Sukhjinder Singh	DFSC	82848-78182	dfsc.dfs.trn@punjab.gov.in
15.	Education Department	DR. Satinderbir Singh	DEO(Sr.)	88722-63511	deoe.amritsar@punjabeducation.gov.in
16.	Health Department	Dr. Anup Kumar	Civil Surgeon	98144-30158	nrhmttn@gmail.com
17.	Animal Husbandry,	Dr. Guravtar Singh	Deputy Director	99147-53779	ddahtarntaran@gmail.com