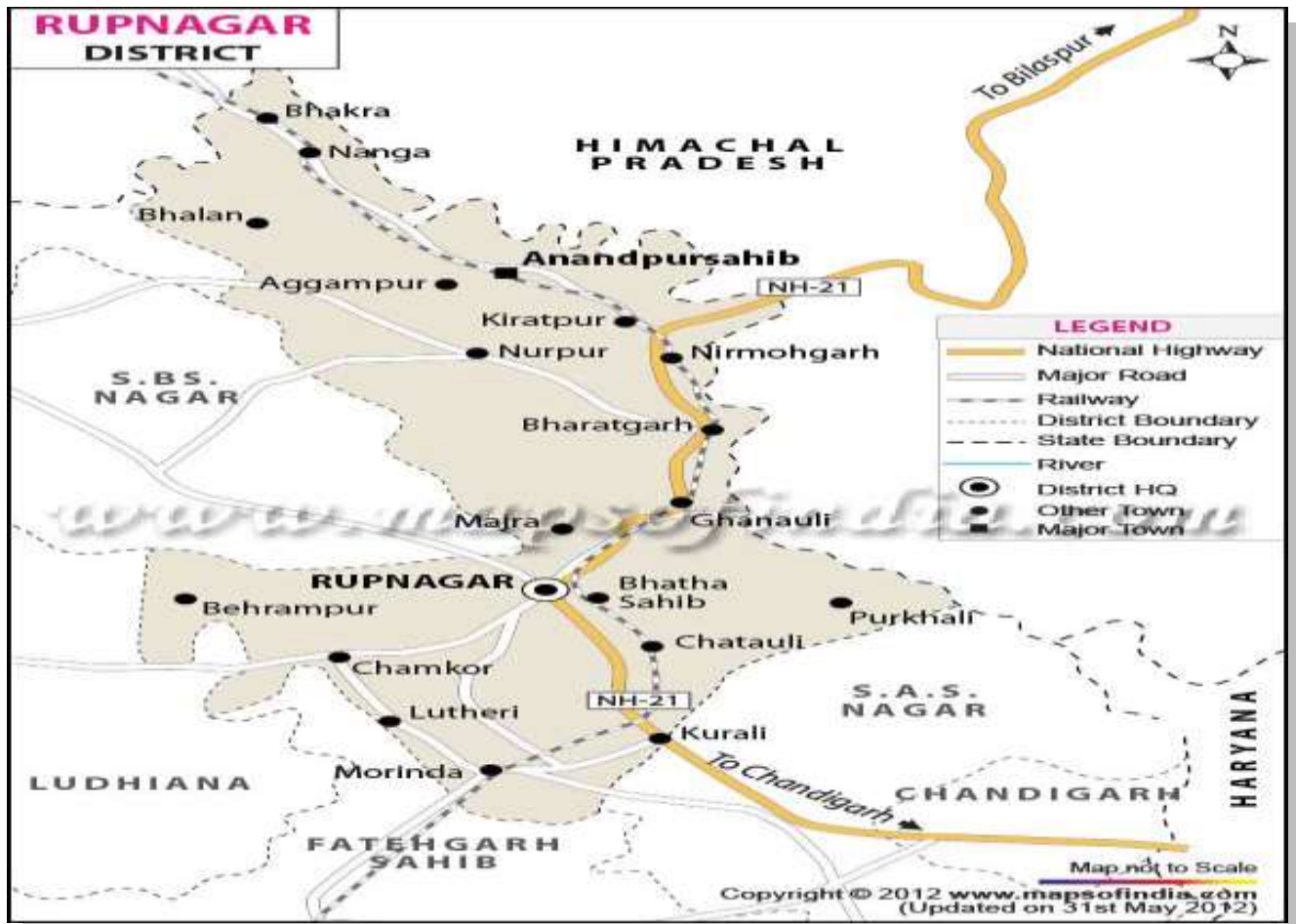


**District Environment Plan for District Rupnagar
Punjab State**



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District Collector Rupnagar
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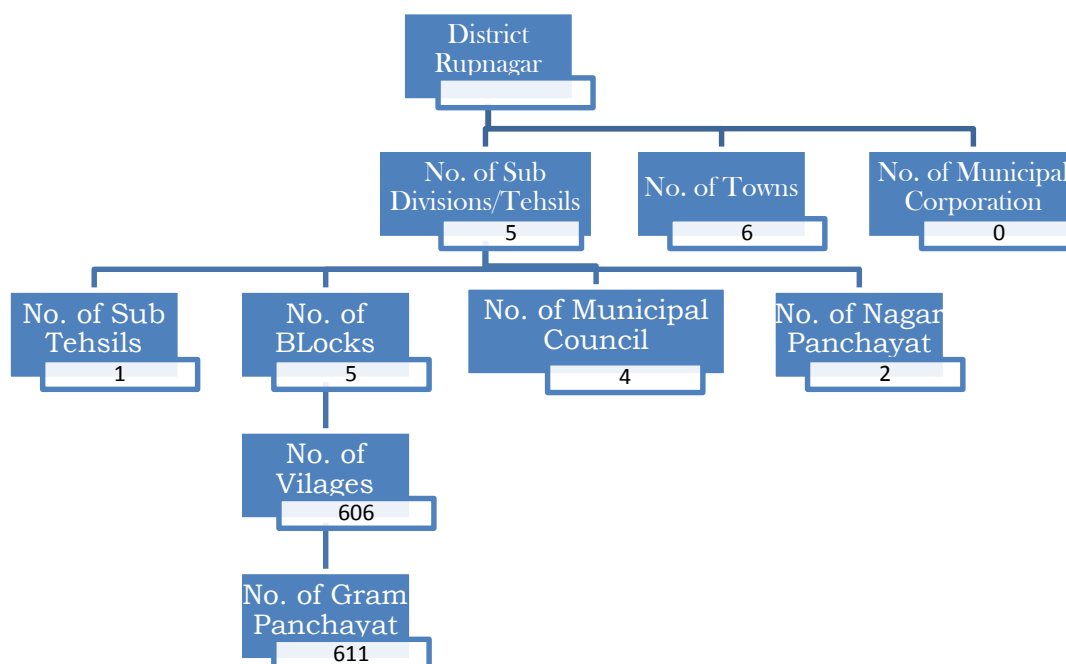
1.0 District Profile

Rupnagar is a newly created fifth Divisional Headquarters of Punjab comprising Rupnagar, Mohali, and its adjoining districts. Rupnagar district is one of twenty-three districts in the state of Punjab, India. It is also the site of an ancient town of the Indus Valley Civilization and one of the bigger sites belonging to the Indus Valley Civilization.

Rupnagar is located at 30.97°N 76.53°E. It has an average elevation of 260 metres (850 ft). The town lies on the bank of Sutlej River and the Shivalik hill range spreads along the opposite bank of the river. Bhakra Dam in Nangal lies on the boundary with the neighboring state of Himachal Pradesh.

Rupnagar is nearly 43 km to the northwest of Chandigarh (the nearest airport and the capital of Punjab). The district adjoins Nawanshahr, Mohali and Fatehgarh Sahib Districts of Punjab. It is bordered by Himachal Pradesh to the north and Shahid Bhagat Singh Nagar district (formerly known as Nawanshahr district) to its west. The major cities in Rupnagar district are Morinda, Nangal and Sri Anandpur Sahib. Morinda is located on the Chandigarh-Ludhiana Highway. Sri Anandpur Sahib is one of the most sacred places in Sikhism, being the place where the last two Sikh Gurus lived, Guru Teg Bahadur Ji and Guru Gobind Singh Ji. The city is home to Sri Keshgarh Sahib Gurdwara, one of the five Takhts in Sikhism.

a) District Administrative Set-up



b) Local institutions

In District Ludhiana, there are total 5 Sub-Divisions/Tehsils, 6 towns. There are 01 Sub-Tehsil, 05 Blocks, 04 Municipal Council and 02 Nagar Panchayat. There are total 606 Villages in the District & have 611 Gram Panchayats.

c) Natural Resources

- **Water bodies**

- **River Sutlej**

- The River Sutlej enters India near Mansarover and flows North Westwards. It crosses great Himalayan ranges on its way from the Shipki pass. It flows upto Gobind Sagar Lake over which Bhakra dam is constructed. About 14 Kms. downstream of Bhakra dam, Nangal head-works are constructed at Nangal. From here onwards, the river takes southern direction and after flowing for another 50 kms, it enters the plains near Rupnagar.
- At Rupnagar, there is a Head-Works for canal system to provide irrigation to large parts of the state. The gradient in the plains is very gentle. The river flows slowly downstream headworks due to broad bed width and meager flow, its major part having been diverted to the irrigation canals.
- The total length of river Sutlej in the state of Punjab is approximately 440 km. Average discharge of river Sutlej in the state of Punjab as measured at Rupnagar is approximately 500 m³/ sec. The total catchment area of river Sutlej in the state of Punjab is approximately 20,303 Sq. km.
- The drains meeting with river are non-perennial and carry water during seasonal rainfall surface run off from fields filling in their catchment area during rainy season.
- The main drains meeting with River Sutlej in District Rupnagar are Adhera Choe/Siswan nadi/Dulchi nadi near village beli kalan, Sri Chamkaur Sahib, Hussainpura Drain near village Katli through Rupnagar wet land, Phool Drain near village Bara Phool, Budh ki nadi near Village Nanowal, Sarsa Nadi near Village Avaan Kot, Kiratpur Choe through Nakia Khadd near Gurudwara Patalpuri Sahib, Charan Ganga near Village Lodhipur.

- **Sarsa Nadi**

- The river rises in the Shiwalik foothills of Southern Himachal Pradesh. It flows in the western part of Solan district, then enters into Punjab near Diwari village. Sarsa joins the river Sutlej at the eastern part of Rupnagar district of Punjab. Baddi, Nalagarh, Barotiwala industrial areas (in Solan district are on banks of this river. The various research reports by the Central Pollution Control Board states that industrial effluents from Baddi, Barotiwala, and Nalagarh industrial areas, including the discharge from a common effluent treatment plant, illegal dumping of garbage and unlawful sand mining, are the chief threats to the Sarsa river. The pollution has caused great damage to the aquatic life and increased fish mortality.

i. Availability of water resources

The major source is ground water. However as per CGWA report the ground water development in all the block of the District has been categorized as over exploited. The net annual ground water availability of District is 415.18 MCM.

ii. Forest coverage

The Detail of Forest area of District Ludhiana is as under:

Sr. no.	Category of area	Ownership	Area in Ha
1.	Reserve Forests	Govt., of Punjab	Nil
2.	Protected Forest	Govt., of Punjab	3060.70
3.	Un-classed Forest	Govt., of Punjab	775.81
Total Block Forest			3836.51
Strips Forest (Protected Forest)			
4.	Road Strips (P.F)	Govt., of Punjab	269.62
5.	Railway Strips (P.F)	Govt., of Punjab	257.16
6.	Canal Strips (P.F.)	Govt. of Punjab	775.13
7.	Bundhs & Escapes (P.F.)	Govt. of Punjab	387.66
Total Strips Forest (Protected Forest)			1689.57
Total Forest Area			5526.08

****Source: <https://pbforests.gov.in>**

d) Geography & Demography

Sr. No.	Title	District Rupnagar	Punjab State
1.	Area (Sq Km)	1,440	50,362
2.	Population (in Lakh)	6.85	277.04
3.	Rural Population (in Lakh)	5.06	173.2
4.	Urban Population (In Lakh)	1.77	103.84
5.	% Increase in Population (2001-2011) Decinneal Growth rate	8.87	13.55
6.	Density of Population (per Sq km)	488	550
7.	Literacy %	80.78	76.7
8.	Sex Ration (Females per thousand)	915	893

The total area of District Rupnagar is 1440 km having population 6.85 lakhs. The rural population of District Rupnagar is 5.06 lakh and urban population of District Rupnagar is 1.77 Lakh. The literacy rate of District Rupnagar is 80.78%.

e) Land-use patter

Sr. No.	Title	Data of District Rupnagar (2020-21)
1.	Total Geographical Area (in Sq km)	1,440
2.	Area under Forest (in Ha)	5526.08
3.	Net Area Sown (In Ha)	78,000
4.	Gross Cropped Area (in Ha)	1,43,000
5.	Total Area irrigated (in Ha)	1,00,000
6.	% of Net Area irrigated to Total area sown	128%

The total Geographical Area of District Ludhiana is 1440 km. The Net area sown & irrigated is 178,000 hectares. The gross cropped area is 143000 of District Rupnagar as per financial year 2020-21. The total forest area of district Rupnagar is 5526.08 hectare.

f) Climate

The climate of Rupnagar is generally dry with a hot summer and a cold winter. The south-west monsoon season commences late in June and continues up to about middle of September. The temperature ranges from a minimum of 1 °C (34 °F) in winter to 47 °C (117 °F) in summer. May and June are generally the hottest months and December and January are the coldest months. Relative humidity is high, averaging about 70% during monsoon. The average annual rainfall in the district is 775.6 millimetres (30.54 in).

Action Plan

2.0 Waste Management Plan

i. Solid Waste Management.

a) Current status related to solid Waste management

Sr. no.	Urban Local bodies	No of Wards	No of Households	Population	Solid Waste Generated (MT/day)
i.	Municipal Council, Rupnagar	21	16,086	56039	15
ii.	Municipal Council, Anandpur Sahib	13	3055	16254	5
iii.	Municipal Council, Nangal	19	11,754	48486	10
iv.	Municipal Council, Morinda	15	5245	24013	6.5
v.	Nagar Panchayat, Chamkaur Sahib	13	3353	13924	4
vi.	Nagar Panchayat, Kiratpur Sahib	11	1732	7545	1
	Total	92	41225	1,66,261	36.5

Sr no.	Local Bodies	No of Village panchayats / Blocks	No of Households	Population	Solid Waste Generated per day (MT)
1.	No of Villages Panchayats	611	97,827	506,820	86

** Source- <http://www.cpcbenvvis.nic.in>

b) Identification of gaps and Action plan:

S. No.	Action points for villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan
a) Segregation					
i.	Municipal Council, Rupnagar	94 % segregation achieved.	Separate State Level Action Plan has been prepared for management of Solid Waste. Further, door to door awareness regarding source segregation and home composting is being done.	EO, Rupnagar	31.03.2022
ii.	Municipal Council, Anandpur Sahib	100 % segregation achieved, no gap.		EO, Anandpur Sahib	-
iii.	Municipal Council, Nangal	100 % segregation achieved, no gap.		EO, Nangal	-
iv.	Municipal Council, Morinda	96 % segregation achieved.		EO, Morinda	31.03.2022
v.	Nagar Panchayat, Chamkaur Sahib	100 % segregation achieved, no gap.		EO, Chamkaur Sahib	-
vi.	Nagar Panchayat, Kiratpur Sahib	98 % segregation achieved.		EO, Kiratpur Sahib	31.03.2022
vii.	Villages Panchayat (611)	Yet to provide		Yet to be prepared at State Level.	DDPO & XEN Panchayati Raj
b) Sweeping					
	Manual Sweeping				
1.	Municipal Council, Rupnagar	100% sweeping being done, no gap	MC is carrying out sweeping in	EO, Rupnagar	-
2.	Municipal Council, Anandpur Sahib	100% sweeping being done, no gap		EO, Anandpur Sahib	-
3.	Municipal Council, Nangal	100% sweeping being done, no gap		EO, Nangal	-
4.	Municipal Council, Morinda	100% sweeping being		EO, Morinda	-

	Morinda	done, no gap	residential/ commercial areas twice/once a day		
5.	Nagar Panchayat, Chamkaur Sahib	100% sweeping being done, no gap		EO, Chamkaur Sahib	-
6.	Nagar Panchayat, Kiratpur Sahib	100% sweeping being done, no gap		EO, Kiratpur Sahib	-
7.	Mechanical Road Sweeping & Collection	Presently target is being achieved in Mechanical Road Sweeping.	For night Sweeping, MC Nangal is in the process of procuring mechanical sweeping machines as Nangal is covered in the non- attainment cities.	EO, Nangal	31.03.2020 as per non- attainment city Nangal Action Plan timeline.
8	Villages Panchayat (611)	Yet to provide	Yet to be prepared at State Level.	DDPO & XEN Panchayati Raj	31.03.2022
c) Waste Collection					
1.	100% collection of solid waste	Yes	-	Department of urban development	
2.	Arrangement for door to door collection	Compartment vehicles with GPS facility provided by every MC in District.	-	Department of urban development	
3.	Waste Collection trolleys with separate compartments	99 collection trolleys provided by MCs.	Adequate as no requirement raised by the Department in the monthly review meetings	Department of urban development	
4.	Mini Collection Trucks with separate compartments	32 Mini collection trucks provided by MCs.		Department of urban development	

5.	Waste deposition centres (fordomestic hazardous waste)	Number of deposition centres required and nos available	Details of existing practice and scope for improvement or		
i.	Municipal Council, Rupnagar	Required = 1 Installed = 1	-	EO, Rupnagar	
ii.	Municipal Council, Anandpur Sahib	Required = 0 Installed = 0	MC planning to install bins for domestic hazardous waste.	EO, Anandpur Sahib	31.03.2022
iii.	Municipal Council, Nangal	Required = 1 Installed = 1	-	EO, Nangal	
iv.	Municipal Council, Morinda	Required = 0 Installed = 0	MC planning to install bins for domestic hazardous waste.	EO, Morinda	31.03.2022
v.	Nagar Panchayat, Chamkaur Sahib	Required = 1 Installed = 1	-	EO, Chamkaur Sahib	
vi.	Nagar Panchayat, Kiratpur Sahib	Required = 0 Installed = 0	MC planning to install bins for domestic hazardous waste.	EO, Kiratpur Sahib	31.03.2022
vii.	Villages Panchayat (611)	Yet to provide	Yet to be prepared at State Level.	DDPO & XEN Panchayati Raj	2 years

d) Waste Transport					
	Review existing infrastructure for waste Transport.	[Check (i) whether existing fleet is adequate (ii) check whether segregated waste transport possible, etc.]	Action plan for shortcomings identified.		
1.	Bulk Waste Trucks	32 Mini collection trucks available and adequate	MCs to explore additional requirement to achieve 100 % source segregation.	MCs	-
2.	Waste Transfer points	Available & Adequate in all MCs MC Nangal – 2 MC Chamkaur Sahib – 4 MC Morinda – 7 NP Kiratpur Sahib – 1 MC Rupnagar – 2 MC Anandpur Sahib - 2	MCs to demarcate waste transfer points so as to avoid occurrence of GVPs.	MCs	-
e) Waste Treatment and Disposal					
1.	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules)	Yes, 7 no. BWGs identified by MCs and 19 no. in the area outside MC limits. All BWGs within the MC limits have provided on site composting facility.	MCs shall identify all the remaining BWGs.	MCs, DDPO	31.03.2022
2.	Wet-waste Management: Facility(ies) for central Bio-methanation / Composting ofwets waste.				
i.	Municipal Council, Rupnagar	115 no. compost pits constructed and around 90 of them are operational.	Additional around 5-10 compost pits are required and remaining 25 are yet to be made operational.	EO, Rupnagar	31.03.2022

ii.	Municipal Council, Anandpur Sahib	25 no. compost pits constructed and are operational.	Adequate	EO, Anandpur Sahib	-
iii.	Municipal Council, Nangal	103 no. compost pits constructed and are operational.	Adequate	EO, Nangal	-
iv.	Municipal Council, Morinda	29 no. compost pits constructed and are operational.	Adequate	EO, Morinda	-
v.	Nagar Panchayat, Chamkaur Sahib	23 no. compost pits constructed and are operational.	Adequate	EO, Chamkaur Sahib	-
vi.	Nagar Panchayat, Kiratpur Sahib	13 no. compost pits constructed and are operational.	Adequate	EO, Kiratpur Sahib	-
vii.	Villages Panchayat (611)	Not adequate	Plan yet to prepared	DDPO & XEN Panchayati Raj	31.10.2023
3.	Dry-Waste Management: Material Recovery for dry-waste fraction	Whether MRF facility exists? / is there any arrangement to sending the dry-waste to any common MRF or sent to Waste to energy plant or % dry-waste converted as RDF	Action plan for use of dry segregated waste in MRF operation		

		or Need to set-up own Waste to Energy plant?			
i.		Every ULB has provided individual material recovery facilities for dry-waste fraction.	Further disposal to the authorized recyclers is under Process by executing agreement with the authorized recycler.	EO ULB's	31.03.2023
ii.	Villages Panchayat (611)	Not initiated	Plan yet to prepared	DDPO & XEN Panchayati Raj	31.10.2023
4.	Disposal of inert and non-recyclable wastes: Sanitary Landfill	Does the agency still disposing waste in dumpsites? Whether sanitary landfill available ? / Plan for constructing sanitary landfill or arrangement with ULBs	Action plan (i) to construct sanitary landfill Ifrequired (ii) Action plan to minimize landfilling		
		(i) NP Chamkaur Sahib, Morinda and Naya Nangal has provided sanitary land fill. (ii) Villages Panchayat = SLF yet to Established	Remaining MCs have land available for sanitary land fill and process of providing SLF is under process.	DDPO and Department of local government	31.03.2022
5.	Remediation of historic / legacy dumpsite	Whether existing old dumpsite if any required remediation as per rules?	Action plan for remediation of legacy / historicdumpsite.		

i.	Municipal Council, Rupnagar	500 MT	Mechanical separator purchased and remediation yet to be started.	EO, Rupnagar	Remediation started completion date 31.03.2022
ii.	Municipal Council, Anandpur Sahib	200 MT	Not yet initiated	EO, Anandpur Sahib	Start date 31.12.2021 completion date 31.03.2022
iii.	Municipal Council, Nangal	3862 MT.	Mechanical separator purchased and remediation work started.	EO, Nangal	Remediation started completion date 31.03.2022
iv.	Municipal Council, Morinda	740 MT.	Mechanical separator purchased and remediation work started.	EO, Morinda	Start date 31.12.2021 completion date 31.03.2022
v.	Nagar Panchayat, Chamkaur Sahib	500 MT	Mechanical separator purchased and remediation work started.	EO, Chamkaur Sahib	Remediation started completion date 31.03.2022
vi.	Nagar Panchayat, Kiratpur Sahib	No legacy waste as it was formed in 2013.	-	EO, Kiratpur Sahib	Start date 31.12.2021 completion date 31.03.2022
vii.	Villages Panchayat (611)	Not Started	Plan yet to prepared	DDPO & XEN Panchayati Raj	Start date 31.03.2022 completion date 31.03.2023
6.	Involvement of NGOs	Yes	NGOs shall be identified for the purpose.	ULBs	Regular Activity
7.	EPR of Producers: Linkage with Producers / Brand Owners	Work Under Process	Work Under Process	Department of urban development	30.06.2022

8.	Authorization of Waste Pickers	Yes/98	Available	ULBs	Regular Activity
9.	Preparation of own by-laws to comply with SWM Rules 2016	MCs have prepared and yet to be prepared by DDPO	MCs have prepared	MCs, DDPO	31.10.2022
10.	Removal of garbage vulnerable points(GVPs)	No gap, as activity Completed	All the identified (GVPs) have been removed by the all MCs.	EO, MCs	Activity Completed
11.	Provision of green belt and boundary wall around solid waste dumping site.	Provided for MCs Nangal, Chamkaur Sahib, Kiratpur Sahib and Morinda Boundary wall pending for Mcs Rupnagar, Anandpur Sahib	The work regarding boundary wall will be initiated after finalizing the site for MC Anandpur Sahib. Tender floated by MC Rupnagar for executing the work.	EO, MCs	31.03.2022
12.	Providing compartments and GPS tracking in garbage carrying vehicles	Nil as activity completed	All the 32 mechanical Vehicles have been provided compartments with GPS.	ULBs	Activity completed
13.	Action Plan for Treatment of leachate generated from legacy waste dumpsite. (Directions of Hon'ble NGT in OA no. 606 of 2018 dated 22.07.2019, 28.02.2019, 14.12.2020)	Treatment of leachate	Leachate management will be done simultaneously with the Bio- remediation of legacy waste.	Department of Urban Development	31.12.2022
14.	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 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

	no. 606 of 2018 dated 22.07.2019, 28.02.2019, 14.12.2020)				
15.	CCTV cameras be installed at dumping sites. (Directions of Hon'ble NGT in OA no. 606 of 2018 dated 22.07.2019, 28.02.2019, 14.12.2020)	CCTV cameras installed at dump site Nangal.	Installation of cameras pending for MC, Kiratpur Sahib, Anandpur Sahib, Chamkaur Sahib, Morinda and Rupnagar.	All Local bodies	31.03.2022
16.	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 MCs Nangal and Chamkaur Sahib.	Rest of ULBs will install by 31.03.2022	Local bodies	31.03.2022
17.	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)	ULBs have planned to make a cluster and tie-up for scientific disposal of animal carcasses, or Plan for their own clustered project	Process of tie-up or project planning will be achieved by 31.03.2022	ADC(UD)	31.03.2022
18.	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)	Inadequate management of carcass in rural area.	The matter regarding treatment is being taken up with the State Govt. for formation of State Action Plan. The detailed proposal will be sent to State Government upto 31.12.2021.	DDPO	31.12.2021

19.	Management of waste water and solid waste by the unauthorized colonies/residential complex/commercial complex developed by Pvt. Colonizers.	Adequate in all the 46 no. unauthorized colonies/residential complex/commercial complex developed by Pvt. Colonizers	-	MCs	-
20.	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
21.	Information Education and Communication (IEC) activities in respect of solid waste.	No gap	The IEC activities in this regard are already being done by the concerned departments. Promoters and Residents are informed when the joint team visits their colonies and they are encouraged to follow the solid and liquid waste management rules.	MCs	Regular Activity
22.	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
23.	Management of carcass in rural area.	Inadequate management of carcass in rural area.	The matter regarding treatment is being taken up with the State Govt. for formation of State Action Plan. The	DDPO	31.12.2021

				detailed proposal will be sent to State Government upto 31.12.2021.		
24.	Management of Horticulture Waste in MCs.	73 parks/schools and compost pits provided in 68.	no.	Work in progress	MCs	31.12.2021

ii) Plastic waste Management**a) Current status related to Plastic waste management**

Sr. no.	Urban Local bodies	Estimated quantity of Plastic Waste Generated in MT/day
1.	Municipal Council, Rupnagar	0.025
2.	Municipal Council, Anandpur Sahib	0.45
3.	Municipal Council, Nangal	01
4.	Municipal Council, Morinda	0.5
5.	Nagar Panchayat, Chamkaur Sahib	0.05
6.	Nagar Panchayat, Kiratpur Sahib	0.035
	Total	1.86

Sr. no.	Local Bodies	Estimated quantity of Plastic Waste Generated per day
1	Villages Panchayats (611)	0.53 MT

b) Identification of gaps and Action plan:

S.No.	Action points For village panchayats/ blocks/ municipalities / corporations	Identificatio n ofgap	Action plan	Agencies Responsible	Target timefor Compliance
1.	Door to Door collection of dry waste including PW	<ul style="list-style-type: none"> All 6 ULBs =100% collections. Villages Panchayat (611) =Not initiated. 	At Present Door to door collection is being done by Informal Sector. Further action plan is not yet prepared for villages.	Department of Local Government & DDPO	MCs = Activity Completed. DDPO = 31.10.2022
2.	Facilitate organised collection of PWat Waste transfer point or Material RecoveryFacility	<ul style="list-style-type: none"> All 6 no. ULBs = 100% collection and MRF facilities provided. Villages panchayats (611) = partial collection. 	<ul style="list-style-type: none"> MC Anandpur Sahib MRF is not yet operational. Ban is proposed on single use plastic. NGOs are involved for awareness to avoid plastic use. Registration is being done for waste pickers by MCs. 	MCs & DDPO	MCs = - DDPO= 31.10.2022
3.	PW collection Centres	Collection Centres are being setup and also involvement of producers and brand-owners or their PROs to facilitate setting up of collection	Status of MRFs is as under: <ul style="list-style-type: none"> Kiratpur Sahib – 2. Rupnagar – 2 Chamkaur Sahib – 1. Morinda – 1. Nangal – 2. 	Department of urban development	31.03.2022

		centres is being ensured.	• Anandpur Sahib - 1 temporary.		
4.	Awareness and education programs implementation	No gap	Awareness among public through wall paintings and newspapers is being carried out.	Department of urban development	Regular activity
5.	Access to Plastic Waste Disposal Facilities		Requirement of Waste to energy plant.	Department of urban development	Under Planning stage
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)	No gap, Regular Activity	Total no. of plastic unit required registration = 04 Total no. of plastic unit obtained registration = 03	PPCB	Timeline for registration of the remaining units: 31.12.2022
7.	Development and setting up of infrastructure for segregation, collection, storage, transportation, Processing, and disposal of Plastic Waste either on its own for by engaging agencies or producers. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Inadequate disposal arrangement of plastic waste	Department of Urban Development (for other ULBs):- Recyclable plastic waste is collected, transported and stored separately by all ULBs. Currently such plastic is being stored at MRF. Contract For channelization/ processing of both recyclable and non-recyclable	All Local bodies & DDPO	-

			plastic have been done with Max Specialty Films Pvt. Ltd.		
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)	The matter is being taken up with the State Govt. for formation of State Action Plan. The detailed proposal will be sent to State Government upto 31.12.2021.	MCL and all MCs = already framed Rural Panchayats (611) = yet to prepared	ADC(UD) and DDPO	31.12.2021 for the preparation of Action Plan for 611 villages.
9.	Set up, operationalize and co-ordinate for Plastic Waste management in Rural area. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Inadequate Plastic Waste management in Rural area.	Awareness regarding it is being done to the Gram Panchayat for segregation, Collection and transportation.	DDPO	30.06.2022
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.	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.	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. DDPO:- Awareness regarding it is being done to the Gram Panchyat for segregation, Collection and Transportation	All Local bodies & DDPO	ULBs 31.12.2021 DDPO:- 31.10.2022 For preparation of Action Plan
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. Camps 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 will be issued to Gram Panchayat through BDPO's	DDPO	31.10.2022
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. Challans are being issued by MCs.	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	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 Municipalities)	12.5 MT
Does the District has access to C&D waste recycling facility?	No recycling facility for C&D waste available in the District.

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.	<ul style="list-style-type: none"> ULBs = Separate collection sites provided in each ULB. 	-	ULBs	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?	The process has been initiated by the ULBs except Kiratpur Sahib and Anandpur Sahib	Process has been initiated.	ULBs	31.03.2022

3.	C&D recycling Facility	Presently there is no C&D recycling Facility in the District	Recycling facility shall be provided by the Department of Local Govt. in the District.	Department of Local Govt.	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	No		Department of Local Govt.	31.12.2022
5.	ICE on C & D wastemanagement	Yes	Awareness will be done through media, NGOs & radio.	ULBs	Regular Activity

iv) Biomedical Waste Management**a) Current Status related to biomedical waste**

Inventory of BMW in the District	Quantity
Total no. of Bedded Healthcare Facilities	136
Total no. of non-bedded HCF	320
No. of HCFs authorized by SPCBs/PCCs	343
No of Common Biomedical Waste Treatment and Disposal Facilities (CBWTFs)	Nil
Capacity of CBWTFs	-
No. of Deep burials for BMW if any	-
Quantity of biomedical waste generated per day	-
Quantity of biomedical waste treated per 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 HCF identified (Bedded + non bedded) = 456 HCF Authorized by the PPCB =343 	Regular camps are being organized to pursue the HCFs to obtain the authorization.	PPCB	3 months.
2.	Adequacy of facilities to treat biomedical waste	NA	NA		
3.	Tracking of BMW	No gap as bar Code system is Implemented for all HCFs for all BMW carrying vehicles has been fitted with GPS.	Not required	PPCB	-

4.	Awareness and education of healthcare staff	Regular training programs regarding BMW Rules, 2016 are organized for the HCFs. HCF has constituted BMW committees, wherein, regular meetings and training is imparted by the HCF to its staff.	Not required	PPCB and Health Department	
5.	Adequacy of Funds	ETPs are being installed in the bedded HCFs.	Pvt. HCFs = Funds available Govt. HCFs = Funds being arranged	Civil Surgeon	-
6.	Compliance to Rules by HCFs and CBWTFs	Yes, the HCF are being monitored from time to time to check their compliance.	-	PPCB & HCFs	Regular activity
7.	District Level Monitoring Committee	Yes, District level monitoring Committee BMW Rules, 2016 has been constituted also District Environment Committee has been constituted and meetings are organized regularly.	Monthly meetings of District Environment Committee are held.	-	-
8.	Wastewater Treatment	<ul style="list-style-type: none"> Total HCFS Required ETP =136 Total HCF install ETPs= 7 Authorizations are being granted to the HCFs without having ETP upto 31.03.2022 after imposing bank guarantee clause.	HCFs are being pursued to install the ETPs. Further, ETPs have been installed in following Govt. HCFs i.e. Civil Hospital Rupnagar and SDH Anandpur Sahib	Punjab Pollution Control Board	31.12.2024

v) Hazardous Waste Management

a) Current Status related to Hazardous Waste Management

Details of Data Requirement	Present Status
No of Industries generating HW	31
Quantity of HW in the district	349.404 MT/annum
(i) Quantity of Incinerable HW	Nil
(ii) Quantity of land-fillable HW	94.714 MT/annum
(iii) Quantity of Recyclable / utilizable HW	254.69 MT/annum
No of captive/common TSDF	Nil
Contaminated Sites or probable contaminated sites	Nil

b) Identification of gaps and action plan:

S. 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 = 31 Authorized by the PPCB = 18. 	Regular camps are being organized to pursue the industries to obtain the authorization.	PPCB	31.03.2022
2.	Establishment of collection centers	Industries have agreement/linkage with TSDf for disposal of its Hazardous waste.	Collection center are being setup for domestic Hazardous waste with linkage with TSDf.	ULBs	31.03.2022
3.	Training of workers involved in handling / recycling / disposal of HW	No hazardous waste industry is involved in pre-processing / recycling of hazardous.	The workers are being trained time to time.	Department of Industries	Regular activity

4.	Availability / Linkage with common TSDF or disposal facility	Yes, the industries generating HW have access to common TSDF in the State.	Yes, the industries generating HW have access to common TSDF in the State.	PPCB	Activity Completed
5.	Contaminated Sites	Nil	-	ULB, DDPO, PPCB	-

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	22 MT
Collection centers established by ULBs in the District	[Nil]
Collection centers established by Producers or their PROs	[Nil]
No authorized E-Waste recyclers / Dismantler	[Nil]

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	Identification of the bulk waste generators has been completed and inventORIZATION of the E-waste generators is under process.	Under process	SPCB/ PCC	30.04.2022
2	E-Waste collection points	E-Waste collection points not available in towns and cities and EPR need to be strengthened.	Identification /registering E-Waste collection centres in association with Producers – their PROs or Recyclers	MCs and GMDIC	30.04.2022
3	Linkage among Stakeholders to channelize E-Waste	Linkage among stakeholders is being done.	Work under progress	MCL, All MCs and GMDIC	31.10.2022
4	Regulation of Illegal E-Waste recycling / dismantling	Extended producer responsibility by large manufacturers needs to be taken upto at State Level.	Regular activity	District Administration & DECC	Regular Activity
5	Integration of informal sector	Being done	Being prepared.	District Administration & PPCB	31.10.2022

6	Awareness and Education	Regular activity	Quarterly Special workshops and awareness campaigns through Producers/PROs will be carried out.	District Administration & PPCB	Regular Activity
7.	Identification of Producers who have not obtained, EPR Authorization (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	This is a continuous activity and will be followed.	This is a continuous activity and will be followed.	SPCBs/ PCCs/Cust om department	Regular activity
8	Verification of quantity of e-waste collected by producers (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	This is a continuous Activity. All the EPR 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 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
10	Verification of facilities of dismantlers and recyclers for their infrastructure and records. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	This is a continuous activity. All the dismantlers/recyclers will be verified per year.	This is a continuous activity. All the dismantlers/recyclers will be verified per year.	PPCB	Regular activity
11	Checking of informal trading, dismantling, and recycling of waste. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Regular activity	Quarterly drive will be carried out checking of this activity.	District Administration/ PPCB	Regular activity

12	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
13	Governance framework for monitoring compliance. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Regular Monitoring will be carried out to check the compliance.	Regular Monitoring will be carried out to check the compliance.	District Administration/PPCB.	Regular activity
14	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
15	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
16	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
17	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	No gap	State Government has already planned the focal points for industrial units. Proper space will allocate to the existing and	PSIEC	Already done

	15.01.2021)		upcoming industrial unit for E waste dismantling and recycling facility.		
18	Recognition and registration of workers involved in dismantling and recycling, undertake industrial skill development activities for the workers involved in dismantling and recycling. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	No gap	Recognition and registration of workers involved in dismantling and recycling and industrial skill development activities for the workers involved in dismantling and recycling will be done on regular basis	Labour Department	Regular Activity
19	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
20	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	Not yet established.	All Local Bodies	31.10.2022

3.0 Air Quality Management

a) Current Status related to Air Quality Management

Details of Data Requirement	Present Status
Number of Automatic Air Quality monitoring stations in the district. - Operated by SPCB / State Govt / Central govt. / PSU agency: - Operated by Industry:	- 01
Number of manual monitoring States operated by SPCBs	2
Name of towns / cities which are failing to comply with national ambient air quality stations	Naya Nangal
No of air pollution industries	256
No. of unit installed APCD	256
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 = 34 Orange = 434 Green = 58 Total no. of units having valid consent as on 31.09.2021 Red = 22 Orange = 331 Green = 34 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 [Large Industry] / [Small Industry] / [Unpaved Roads] / [Burning of Waste Stubble] / [Brick Kiln] / [Industrial Estate] / [Others] (Multiple selection)	Large industry, unpaved road, Construction activities and vehicular.

b) Identification of gaps and action plan:

S. No.	Action points	Indicative Action Plan	Responsible agency	Timeline for completion of action plan																				
1.	Identification of prominent air polluting sources?	<p>Following sources have been identified after carrying out source apportionment study:</p> <table border="1"> <thead> <tr> <th>Sr. no.</th> <th>Source</th> <th>PM₁₀</th> <th>PM_{2.5}</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Vehicle</td> <td>11%</td> <td>32%</td> </tr> <tr> <td>2</td> <td>C & D</td> <td>52%</td> <td>28 %</td> </tr> <tr> <td>3</td> <td>Road Dust</td> <td>30%</td> <td>22%</td> </tr> <tr> <td>4</td> <td>Biomass</td> <td>04%</td> <td>9%</td> </tr> </tbody> </table>	Sr. no.	Source	PM ₁₀	PM _{2.5}	1	Vehicle	11%	32%	2	C & D	52%	28 %	3	Road Dust	30%	22%	4	Biomass	04%	9%	MCL, PWD,	
Sr. no.	Source	PM ₁₀	PM _{2.5}																					
1	Vehicle	11%	32%																					
2	C & D	52%	28 %																					
3	Road Dust	30%	22%																					
4	Biomass	04%	9%																					
2.	Ambient Air quality data?	<p>Ambient air quality is already being monitored. The annual average value of the year 2019 and 2020 is as under-</p> <table border="1"> <thead> <tr> <th>Sr. no.</th> <th>Year</th> <th>PM₁₀ (µg/m³)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2019</td> <td>92</td> </tr> <tr> <td>2.</td> <td>2020</td> <td>98</td> </tr> </tbody> </table> <p>02 no. ambient air quality monitoring station has already been installed by the Board.</p>	Sr. no.	Year	PM ₁₀ (µg/m ³)	1.	2019	92	2.	2020	98	Agriculture Department & PPCB	Activity Completed											
Sr. no.	Year	PM ₁₀ (µg/m ³)																						
1.	2019	92																						
2.	2020	98																						
3.	Setting up of Continuous Ambient Air Quality Monitoring Station	1 no continuous ambient air quality monitoring station has been installed and run in the private sector.	PPCB	Activity completed. Stations already working.																				
4.	District Level Action Plan for Air Pollution	<p>Action plan for improvement of existing air quality for non-attainment city (Naya Nangal) has already been prepared and the work is being carried to bring the standards to the prescribed limits.</p> <p>https://ppcb.punjab.gov.in/en/acti-on-plans</p>	PPCB	Activity completed																				

5.	Hotspots of air pollution in District	There is no such significant hotspots in the District Rupnagar. However, Naya Nangal has been declared as non-attainment city and its hotspot has been identified: Mitigation of air in hotspot area is being regularly monitored in district Environment Committee.	PPCB	Action Plan Already prepared and will be implemented.
6.	Awareness on Air Quality	Ambient air quality monitoring data is already been uploaded on the website. https://ppcb.punjab.gov.in/en/air-quality	PPCB	Activity Completed
7.	Industries to be converted from coal to CNG	<ul style="list-style-type: none"> NFL Nangal has changed over its one no. boiler and has installed GTG-HRSG system by which only 2 out of 3 coal fired boilers each of capacity 117 are operated by coal. Out of them one no. boiler is standby. 	PPCB/DIC	31.03.2023
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 = 79 Dismantled/ defunct/permanently closed = 05 Converted to ZIG Zag Technology= 69 Yet not converted = 10 Direction issued u/s 31-A of Air Act, 1981 to DFSC to canceled the license of BKO = 10 	PPCB/DFSC	-
9.	Maintain pothole free roads / timely patchwork on roads	<p>MC, Nangal</p> <p>The patch work is a regular process. 1.175 KM road has has been made pothole free.</p> <p>PWD</p> <p>Patchwork of roads is continuous process. 9 Km of road length has been identified for patchwork are as following: (Kiratpur Sahib-Nangal-una road</p>	MC, Nangal, PWD	Regular activity

		upto HP Border)		
10.	Procurement of Mechanical sweeping machines	<ul style="list-style-type: none"> Municipal Council, Nangal is taking up the matter and the estimate for procurement of sweeping machine has been passed. The approval of the Govt. is still awaited. 	MC, Nangal	Time Target: 31.12.2021
11.	Plantation of trees along highways, open areas, community places, schools.	<ul style="list-style-type: none"> MC, Nangal has planted 4250 trees along the roads and empty lands. Further, a new proposal for the upcoming season has been prepared. The same will be started as per suitable weather conditions for plantation. Various industries have also carried out plantation drives on the occasion of World Environment Day. 	MCs	Regular activity
12.	Kaccha/Brick Paved Roads to be made Pucca roads	<p>MC, Nangal</p> <p>16 km of pavement work along the roads has already been completed.</p>	MC, Nangal	Regular Activity
13.	Existing roads requiring recarpeting	<p>PWD</p> <p>9 kms of following roads for black topping: Kiratpur Sahib - Nangal Una road upto HP Border (NH 503 extr), around 70 % work completed and remaining under process.</p> <p>MC, Nangal</p> <p>The Re-carpeting work of 10 kms of roads within MC area has already been completed.</p>	MC Nangal, PWD,	Regular activity
14.	Public awareness campaign for control of vehicular emissions	The camps are being organized regular basis. FM radio is also being used to spread traffic awareness. Quarterly camp will be organized for awareness.	Traffic Police, Department of Transport	Regular activity
15.	Extensive drive against polluting vehicles	The extensive drive against polluting vehicles already initiated by the Police department.	Traffic Police	Regular activity

16	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
17.	Phasing out commercial diesel vehicles more than 15 years old	Scheme under consideration.	Department of Transport	Time Target: 31.12.2022
18	Promotion of E-Vehicles	The is being done on regular basis.	Department of Transport	Regular activity
19.	Infrastructure development for additional of CNG based autos/taxis	<ul style="list-style-type: none"> Total 05 CNG station has been commissioned. 	DFSC	31.03.2022
20.	Control of open burning of biomass.	MCs are conducting raids at regular intervals for challaning of people involved in open burning of biomass.	MCL and DDLG and GLADA	Regular activity
21.	Dissemination of Air Quality Index by installing CAAQMS	Activity Completed.	PPCB	One no. CAAQMS station installed in the premises of M/s Ambuja Cement, Rupnagar
23	Quality Management Division(AQMD) at PPCB (HQ)Establishment of an Air	Work is under progress.	PPCB,	31.12.2021
24.	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

25.	Scope for public participation on remedial measures like plantations. (Directions of Hon'ble NGT in OA no. 360/2018 dated 05.07.2021)	Plantation and maintenance is being done by public participation mode.	Department of forest	Regular Activity
26.	Carrying capacity and source apportionment study of non-attainment Cites.	Source apportionment study has been already carried out through 3 rd party i.e IIT Delhi.	PPCB	Source Apportionment Study = Completed Assimilative carrying capacity = 1722 Current Pollution Load = 2570 Kg
27.	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
28.	Steps to be taken for management of agriculture waste/residue	<ul style="list-style-type: none"> • During 2020-21 Total 237 machines for crop residue management have been given out of which 126 to the individual farmers, 93 to the registered farmer groups and 18 machines to cooperative societies at subsidies rates under In-situ Management of Crop residue Scheme. • During 2021-22 Total 371 machines for crop residue management have been given out of which 269 to the individual farmers, 100 to the registered farmer groups and 02 machines to cooperative societies at subsidies rates under In-situ Management of Crop residue Scheme. • Beside above, IEC activities like farmer training camps, Hoarding 	Agriculture department	Seasonal/Regular Activity.

		and field demonstrations are also being carried out to spread the awareness among farmers through the years.		
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4.0 Water Quality Management

4.1 Water Quality Monitoring

a) Current Status related to Water Quality Management

Details of Data Requirement	Present Status
Rivers	River Sutlej, 40 Km
Length of Coast line(if any)	NIL
Nalas/Drains/Creeks meeting Rivers	6
Lakes/Ponds	Village Ponds No. 512
Total Quantity of sewage from town sand cities in District	22.2 MLD
Quantity of industrial waste water	2.4 MLD
Percentage of untreated sewage	25.2 %
Details of bore wells and number of permissions given for extraction of ground water	No of Bore well = 468 (industrial) Permissions granted = 21 units
Ground water polluted areas if any	NIL
Polluted river stretches if any	NIL

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 monitoring of rivers, drains is already being carried out and data is being maintained.	PPCB	Regular activity
2.	Quality of water bodies in the district	The monitoring of rivers, drains is already being carried out and data is being maintained. The information of water quality will be also uploaded on the official websites of SPCB & District Administration. The web link is https://ppcb.punjab.gov.in/en/water-quality	PPCB & District Administrative	Regular activity
3.	Hotspots of water contamination	NIL	NA	NA
4.	Protection of river/lake water front	Awareness is being carried out in the public to stop the dumping of solid waste in river/Nallah. Challans are also issued to the violators.	ULB	Regular activity
5.	Inventory of sources of water pollution	The sources are already identified and detail of the same is given in Sutlej Action Plan. The Web link of the same is https://ppcb.punjab.gov.in/en/action-plans	MC, DDPO & Department of Urban Development	Activity completed
6.	Oil spill disaster management (for coastal districts)	NA	NA	NA
7.	Protection of flood plains	NA	NA	NA
8.	Rejuvenation of ground water	Action plan for Rain water harvesting prepared by CGWB. http://cgwb.gov.in/gwresource.html	-	-
9.	Complaints redressal system	Mobile App/Online Complaints redressal system already developed. The web link is https://connect.punjab.gov.in/grievance/save	PPCB	Activity completed

4.2 Domestic Sewage

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

Details of Data Requirement	Present Status
No of Class-II towns and above	4
No of Class-I towns and above	2
No of Towns STPs installed	9
No of Towns needing STPs	1
No of ULB having partial underground sewerage network	2 (Morinda & Kiratpur Sahib)
No of towns not having sewerage network	0
Total Quantity of Sewage generated in District from Class II cities and above	22.2 MLD
Quantity of treated sewage flowing into Rivers(directly or indirectly)	15.5 MLD
Quantity of untreated or partially treated sewage(directly or indirectly)	5.66 MLD
Quantity of sewage flow into lakes	0
Total available Treatment Capacity	49.4 MLD

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

Sr. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Sewage Treatment Plants (STPs)	Existing capacity of STPs = 49.4 MLD Additional capacity required = 2 MLD A new STP of capacity of 2 MLD has been proposed for Kiratpur Sahib and the same is at tendering stage.	MC and PWSSB	Tendering and allotment – 10.11.2021 Construction of STP 31.07.2022 Commissioning 31.10.2022
2.	Underground sewerage network	Sewerage network has been already being laid in major town and cities. Sewerage pipelines are partially provided in Morinda and Kiratpur Sahib.	PWSSB	30.09.2023 (Kiratpur Sahib and Morinda)

3.	Setting up of real time water quality monitoring system to monitor the quality of water	Activity Completed	PPCB	One RTWQMS have been installed and working. Activity completed Sutlej = 1
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	MC, 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	MC, PWSSB	<ul style="list-style-type: none"> • STP Badi Haveli, Rupnagar (10 MLD): Provided • STP Sadabart, Rupnagar (2 MLD) : Not Provided • STP Rasulpur, Rupnagar (2.5 MLD) : Not Provided • STP Mojowal, Naya Nangal (8 MLD): Provided • STP BBMB Nangal (1.5 MGD): Provided • STP Burari, Nangal (5 MLD): Provided • STP Anandpur Sahib (8 MLD) MBBR Technology: Provided • STP Chamkaur Sahib (1.7 MLD) WSP: Not Provided • STP Morinda (5.5 MLD): Provided

5.	Provision of necessary treatment facilities in village ponds so that no untreated or polluted water enters river directly or indirectly through various drains or creeks. (i) Finalization of appropriate technology	A. Total number of villages in district are 606 B. Total Number of ponds provided = 512 C. Yet to be provided = 94	DDPO	31.03.2023
	(ii) Arrangement of Funds for treatment technology in various villages identified in the Action Plan	A. Through MGNERGA and Panchayat Funds	DDPO	31.03.2023
	(iii) Reuse of water for agriculture purpose in villages.	A. Provisions has been made in some of the villages to reuse the pond water for irrigation purpose.	DDPO, Soil Conservation Department.	31.12.2022
	(iv) Proper operation and maintenance of treatment facilities installed in village ponds	A. The village ponds are either manually or mechanically desilted and Thappar Model has been adopted for treatment of water through MGNERGA and Panchayat Funds.	DDPO	31.03.2023
6.	(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
7.	(i) Measurement of flow at different locations of River Sutlej & 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.	There is no unauthorized discharge in drains.	Department of water resources, MC Land DDPO.	NA

8.	Setting up of additional water bodies/water harvesting structures	<ul style="list-style-type: none"> The matter has been taken up with the District Administration. 	MC and ADC (UD)	31.03.2022
9.	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
10.	Installation of ETP in all big units (marriage halls, banquet halls, party venues etc) which are not connected with the sewer lines. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	Already being followed as per guidelines framed by CPCB	PPCB	31.12.2022
11.	All the units having kitchen should have proper ducting arrangement. The units using DG sets must have the proper stack height. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	Already being followed as per guidelines framed by CPCB	PPCB	31.12.2022
12.	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
13.	The local bodies/municipal corporations shall publish a public notice in newspapers and on their website for registration of dairy farms and gaushalas as per municipal law. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021)	The Public notice will be given in the Newspaper and on the website of local body for registration of dairy farms and gaushalas	All Local Bodies	Timeline for registration = 31.12.2022

14.	The District Collectors of all the Districts are directed to constitute monitoring committees to monitor the Extraction of Ground Water by the individuals for commercial purposes. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Such Committees will be constituted	District Administration	31.12.2021
15.	There must be no general permission for withdrawal of ground water, particularly to any commercial entity, without environment impact assessment of such activity on individual Assessment units in cumulative terms covering carrying capacity aspects by an expert committee. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Noted for compliance and will be assured.	All local bodies & DDPO	Regular activity
16.	All Overexploited, Critical & Sensitive (OCS) assessment units must undergo water mapping. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Water mapping of all the OCS assessment units has been 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-	Water Resources (Ground water cum NHP wing) and PWRDA	Activity completed

		2019 data		
17.	Water Management Plans need to be prepared for all OCS assessment units in the country based on the mapping data, starting with Overexploited blocks. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Punjab Government has engaged M/s Mekorot, National Water Company of Israel to formulate the Water Conservation and Management Master Plan for the State of Punjab and their final recommendations is likely to be submitted by December 2021.	Water Resources (Ground water cum NHP wing) and PWRDA	31.03.2022
18.	The Water Management Plans, data on water availability or scarcity and policy of CGWA must be uploaded on its website for transparency and public involvement. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)	Noted for compliance and will be assured.	PWRDA	31.12.2022
19.	The District Magistrates have been directed to take up one pond per village for its rejuvenation, this year. (Directions of Hon'ble NGT in OA no. 325/2015 dated 18.11.2020)	A) Total Nos. of Ponds = 512 B) Rejuvenated = 172 The ponds contains both wastewater and rain water.	DDPO	31.08.2022
20.	Active efforts be made in close coordination with technical bodies to tap excess runoff of rivers/canals during rainfall season to recharge old water bodies and retain water in new ponds to be constructed specifically for the purpose (Directions of Hon'ble NGT in OA no. 325/2015 dated 18.11.2020)	The excess run of water finally 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	Drainage	31.10.2026

		fall in ponds.		
21.	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)	There is no bio-diversity parks in MC limits. However, Ramsar Wetland is there.	MC & Forest Department	NA
22.	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
23.	Land owning agencies must ensure that every water body has unique ID for its identification. There should be retagging of the water bodies to prevent encroachment. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Yet to be done.	Drainage Department	31.10.2022
24.	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
25.	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.	MC/Department of Urban Development	Regular activity

26.	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	<p>MC</p> <p>Time line for Preparation of plan = 31.03.2022.</p> <p>Time line for implementation of plan = 31.03.2025.</p> <p>ADC(UD) & PWSSB</p> <p>Time line for Preparation of plan = 31.03.2022.</p> <p>Time line for implementation of plan = 30.09.2022.</p>
27.	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. No authorization is given to public for extracting ground water illegally. Inspection regarding same is being done time to time by ULBs	All Local Bodies	Regular activity
28.	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, Rupnagar.	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.
29.	Appointment of Nodal officer with contact number	All the departments have appointed the Nodal officer and list is attached as Annexure-X	All concerned departments	Completed
30.	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: 31.10.2021
31.	Enhancement of capacity of existing ponds/ water bodies and creating of new water harvesting structures.	Existing Ponds(Total) = 512 No. of Ponds whose Capacity has been enhanced = Nil New ponds = Nil Source of Funds above activities: Gram Panchayat Fund, Finance Commission, MG Nrega. The ponds contains both wastewater and rain water.	DDPO	Timeline: 31.10.2023
32.	Usage of treated sewage for sprinkling purposes for sweeping of roads to control dust pollution.	Tractor bound sprinklers are being used for sprinkling purpose by MCs	MC	Regular activity
33.	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,1814	Drainage Department	Completed

		76.44066099d,35y,0.0 3480517h,45.4713322 5t,0.0813r?utm_source =earth7&utm_campaig n=vine&hl=en		
34.	Utilization of STPs sludge	STP sludge is used by the farmers as manure.	MC	Regular activity
35.	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
36.	The projects being developed for supply of canal water to the inhabitants of the cities/villages may be completed in a time bound manner.	Canal water is partially supplied in the district and ground water is supplied in the areas where canal water supply is not feasible.	MC	NA
37.	Reuse of treated effluent through existing STPs (OA no. 496/2016 dated 22.01.2021)	Treated effluent from the STPs is already reused for irrigation purpose for STPs located at Naya Nangal and Rupnagar.	Department of Soil conservation, ULBs/PWSSB	
38.	Reuse of treated effluent through proposed STPs (New STPs) (OA no. 496/2016 dated 22.01.2021)	Matter yet to be taken up with the department of soil conservation	Department of Soil Conservation	
39.	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.	Total STP = 9 OCEMS Provided = 5	MC & PWSSB	<ul style="list-style-type: none"> • STP Badi Haveli, Rupnagar (10 MLD): Not Provided • STP Sadabart, Rupnagar (2 MLD) : Not Provided • STP Rasulpur, Rupnagar (2.5 MLD) : Not Provided

				<ul style="list-style-type: none"> • STP Mojowal, Naya Nangal (8 MLD) : Provided • STP BBMB Nangal (1.5 MGD) : Provided • STP Burari, Nangal (5 MLD) : Provided • STP Anandpur Sahib (8 MLD) MBBR Technology: Provided • STP Chamkaur Sahib (1.7 MLD) WSP: Not Provided • STP Morinda (5.5 MLD): Provided
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5.0 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 = 30, Orange Category unit = 437 Green Category unit = 61, white category unit = 14
No of Industries discharging waste water	19 (i) No. of industries installed captive ETP = 18 (ii) No. of industries joined CETP = 1 (iii) No. of industries joined Re-processor = 0
Status of Water Consent	<ul style="list-style-type: none"> • Regular activity • Total no. of industries requiring consent to operate under Water Act, 1974 <ul style="list-style-type: none"> • Red = 34 Orange = 434 Green= 58 • Total no. of units having valid consent as on 31.09.2021 <ul style="list-style-type: none"> Red = 22 Orange = 331 Green= 34 • Timeline for grant of consents to the balance units not having valid consent. <ul style="list-style-type: none"> Red = 31.03.2022 Orange = 30.06.2022 Green= 30.09.2022
Total Quantity of industrial waste water generated	2.4 MLD
Quantity of treated industrial waste water discharged into Nalas/ Rivers	0
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 waste water:

Sr. 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 portal already developed.	PPCB	Activity complied
3.	Installation of Online Continuous Monitoring System by	-	-	-
	1. CETP for electroplating units	No CETP	PPCB	1 unit connected with the CETP Ludhiana.
	2. 17 categories of industries.	OCEMS already installed.	PPCB	OCEMS installed
	3. Industries with discharge more than 50 KLD and not connected with any CETP. • Sealing of closed boxes of OCEMS	<ul style="list-style-type: none"> • Total units required OCEMS =11 • OCEMS Installed =06 • OCEMS Not Installed =05 The units are being pursued to install OCEMS	PPCB	31.03.2022 31.03.2022
7.	Installation of Electromagnetic flow meters at inlet and outlet of ETP.	The most of the industry have already installed the EMF meters. The rest of the unit will be directed to provide the same within this period.	PPCB	30.04.2022
8.	Inspection of units to check compliance	Inspection already being made	PPCB	Regular activity

6.0 Mining Activity Management plan

a) Current Status related to Mining Activity Management

Details of Data Requirement	Existing Mining operations
Type of Mining Activity	Mining of minor minerals (sand and gravel)
No of licenced Mining operations in the District	5
% Area covered under mining in the District	0.1099
Area of Sand Mining	1.5834 Sq Km
Area of sand Mining	River bed= 1.5834 Sq km Non -river deposit = 0 Sq km

b) Identification of gaps and action plan:

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of actionplan
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 is 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	Drainage Department	Regular Activity

		System.		
5.	Mining in all blocks is undertaken as per provisions of EIA Notification, 2006; MOEF Notification dated 15.1.2016 and the Sustainable Sand Mining Management Guidelines, 2016. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	i. As per the guidelines, there is provision for obtaining E.C before commencement of mining. ii. According to the SSMMG, 2016 issued by MOEF&CC, mining work is restricted from riverbed during the monsoon season. (Thus in the month of July, August and September in the State.)	Drainage Department	Regular activity
6.	No sand mining is permitted without due compliance of the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 as well as regulations governing clearances by the Central Ground Water Authority. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	The conditions mentioned in the Environmental Cleanliness Certificate issued by the State Level Environment Impact Authority (SEIAA), are being followed. No Mining operations in the leveled riverbed shall be carried out beyond the depth of 3 meters or water level whichever is less/lower.	Drainage Department	Regular activity
7.	District authorities shall seize all sump pumps, other machinery, tools, vehicles, etc. used for carrying out illegal sand mining. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	Machinery/vehicles/tools/sumps-pumps found on illegal mining spot is being seized by the Concerned Authorities and handed over to the Police Administration.	Drainage Department	Regular activity

8.	Any penalty imposed or not by concerned Department to cover the restoration cost of environment and to compensate the victims. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	While examine the illegal mining spot penalty imposed by the concern department by following the proper guidelines laid by Govt./Hon'ble NGT from the land owners and the Machinery owners.	Drainage Department	Regular activity
9.	Status of a detailed restoration plan for the concerned river and its river beds. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	Mining work is being done on basis of approved mining scheme by including the restoration plan in the mining plan which is recommended by Concerned Mining Officer & approved by State Geologist, Pb.	Drainage Department	Regular Activity
10.	Status of CCTV Cameras installation at mining points to 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 transit points where weigh bridge has been constructed and same 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	Police Department & Drainage Department	Being followed.

		patrolling/checking and regular checking's the report has been sent to DC/DM/DMO.		
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 FIR's for carrying out illegal mining is lodged under the jurisdiction of District Rupnagar and Vehicles are also impounded and Challaned by the Concerned Officials.	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	Drainage Department	Regular activity

		Administration. Moreover, The process for establishment of Monitoring System in the State by the Head Office, Water Resources Department, Pb. Chandigarh.		
16.	Electronic surveillance through UAVs/Remote Sensing is a good surveillance option especially in areas where sand mafias are active. Night vision drones could be used for checking mining activity at night. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	The process for establishment of Monitoring System (Electronic Surveillance through UAVs/Remote Sensing) in the State by the Head Office, Water Resources Department, Pb. Chandigarh is under process, Publication for tender has been done the Head Office.	Drainage Department	Tender has been done, time of completion 31.10.2023.
17.	Sensitive spots need to be identified and police presence- both static presence and dynamic patrolling needs to be beefed up there. DMs / SSPs be made directly responsible for checking illegal mining. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	Police presence- both static presence and dynamic patrolling is being done on sensitive spots.	Police Department	Regular Activity
18.	Storage Godowns should be at least 5 kms away from the river bank. Otherwise, illegal mining can be carried on under the garb of storage by the leaseholder himself. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	No such godown district Rupnagar.	Drainage Department	Regular Activity

19.	Geo-fencing of sites, their physical demarcation, allotment of geo-coordinates to all the pillars and their constant physical inspection and electronic surveillance is a must to ensure that the mining activity is as per the approved mining plan and no illegal mining, detrimental to environment, is going on. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	Demarcation of Mining lease has been carried out before granting the final approval to the contractor/leasee and the same has been checked on regular basis by concerned Revenue Department in presence of Mining and pillaring is carried out on site to ensure that mining activity is as per the approved mine plan.	Drainage Department	Completed
20.	There has to be a mechanism to ensure that the actual mining activity conforms to the approved Mining Plan and the approved Environment Management Plan (EMP). Besides the statutory system of Departmental inspections, there has to be a system of annual mandatory Environmental Audit by experts. Environment Department can empanel some experts/expert institutions with standard TORs and Remuneration terms which could be utilized by the Mines Department on a regular basis. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	In state of Punjab, a Govt. Web Portal has been introduced for the transparent function of extraction/ transportation/ sale of minor mineral. In which the record of extraction is maintained and a team of experts audits this system annually. To bring the transparency in system, each weightment slip provided to the 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.	At present stage no such problem or situation occurs in District.	Drainage Department	31.12.2021

	<p>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)</p>			
22.	<p>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)</p>	<p>The drainage department is obtaining contactation from the agencies to conduct the district survey report. Further, action against illegal mining activity, if any type of vehicle (Tractor Trolley/Truck/Tipper/JCB/Poclain/ other vehicle) got impounded/seized during the action, after the proper legal procedure taken by the concerned department the such vehicle is released.</p>	Drainage Department	Regular Activity
23.	<p>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 the States/UTs on or before 30.04.2022. (Directions of</p>	Needful will be done.	Drainage Department	30.04.2022

	Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)			
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7.0 NOISE POLLUTION MANAGEMENT PLAN**(a) Current Status related to Noise Pollution Management**

Details of Data Requirement	Measurable Outcome
No. of noise measuring devices available with various agencies indistrict	Name of agency = PPCB No of analyzers = 1

(b) Identification of gaps and action plan:

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Availability of Sound/Noise Level Meters.	One no. of Noise Level Meters is available with the District.	PPCB	-
2.	Ambient Noise Level monitoring.	Yet to install	ULBs and PPCB	31.12.2022
3.	Signboards in Noise zones	Sign boards are installed at noise sensitive zones.	ULBs	-
4.	Complaint redressing system	Public complaint redressal system already established in the district.	District Administration, Police Department and PPCB	30.04.2022
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 Officer (Annexure – X)**List of the Nodal Officers of the Stakeholder Departments**

Sr. no.	Department	Name	Designation	Contact no.	Email id
1.	Additional Deputy Commissioner Urban Development	Sh. Sanjeev Sharma	ADC UD	78370-48773	adcudroopnagar@gmail.com
2.	Deptt. of Transport	Sh. Sukhwinder Kumar	Regional Transport Authority	98726-30545	rtamohali65@gmail.com
3.	Deptt. of Police	Sh. Vivek Soni	Senior Superintendent of police	90417-83820	ssp.rupnagar@nic.in
4.	Deptt. of Rural Development & Panchayats, Roopnagar	Sh. Baljinder Singh	DDPO	98145-65219	ddpo_rupnagar@yahoo.com
5.	PWD (B&R)	Sh. Vishal Gupta	Executive Engineer	97808-47887	pwdropar@yahoo.co.in
6.	Department of Soil and Water Conservation, Rupnagar	Sh. Harjinder Singh	DSCO	98146-33132	dscomohali@gmail.com
7.	Deptt. of Water Resources and Drainage	Sh. Sukhwinder Singh	Executive Engineer – cum- District Mining Officer	97792-00269	xenminingropar@gmail.com
8.	Deptt. of Food & Civil Supplies	Sh. Satvir Singh	DFSC	88720-61700	dfscroopnagar1@gmail.com
9.	Deptt. of Agriculture	Sh. Avtar Singh	Chief Agricultural officer	99155-79840	caoropar@gmail.com
10.	Deptt. of Forest	Sh. Guraman Singh	DFO	90143-89291	dforupar@gmail.com
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