

ਦਫਤਰ ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ, ਰੂਪਨਗਰ

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No. 3487

Dated: 24/8/22

To

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

Subject: District Environment Plan for District- Rupnagar.

It is intimated that the Hon'ble NGT in the order dated 08.02.2022 in OA no. 360 of 2018 titled as Shree Nath Sharma V/s Union of India has directed to periodically revise and update District Environment Plan preferably as on 31th March for every year.

Also the Hon'ble NGT vide its order dated 25.11.2021 in the matter of OA no. 351/2019 titled as Raja Muzaffar Bhat V/s State of Jammu & Kashmir has directed to include the Wetlands in the District Environment Plan for their conservation and protection with primary focus on not discharging of sewage, disposal of solid and ors. waste, preventing siltation etc.

The District Environment Plan, Rupnagar has been updated till 31.05.2022 and was submitted to your good office vide letter no. 2341 dated 07.06.2022.

Now, a DO letter has been received from Hon'ble SSTE, wherein, it was directed to update the District Environment Plan with latest data as on 30.06.2022 and to proof read the same. Accordingly, the District Environment Plan has been updated with data as on 30.06.2022 and it has been proof read also.

As such, the updated District Environment Plan for the District Rupnagar is sent herewith for your information and further necessary action please.

DA/As above


**Deputy Commissioner-cum-Chairman
District Environment Committee,
Rupnagar**

Endst. no. 3488

Dated: 24/8/22

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


**Deputy Commissioner-cum-Chairman
District Environment Committee,
Rupnagar**

District Environment Plan

July, 2022

District Rupnagar



**Office of District Administration
District Collector Rupnagar
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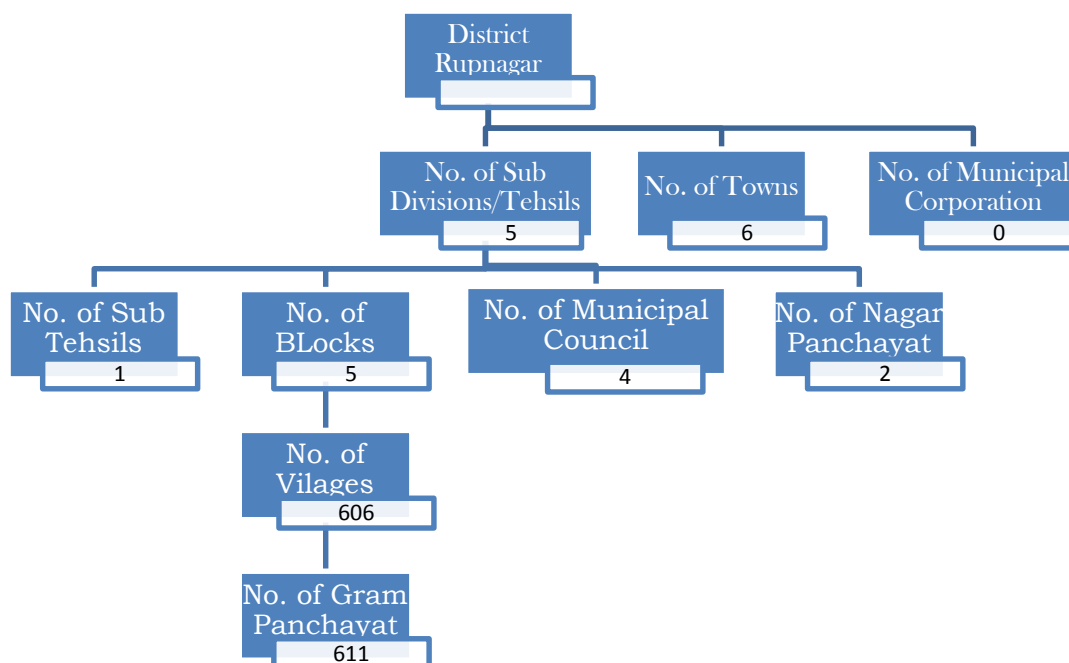
1.0 District Profile

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 Rupnagar, there are total 5 Sub-Divisions/Tehsils and 6 towns. There are 01 Sub-Tehsil, 05 Blocks, 04 Municipal Council and 02 Nagar Panchayats. 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 Man Sarovar 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 is 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/Dulchinadi near village belikalan, Sri Chamkaur Sahib, Hussainpura Drain near village Katli through Rupnagar wet land, Phool Drain near village Bara Phool, Budhkinadi near Village Nanowal, SarsaNadi near Village AvaanKot, 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 groundwater. However as per CGWA report the ground water development in all the blocks of the District has been categorized as over exploited. The net annual groundwater availability of District is 415.18 MCM.

ii. Forest coverage

The Detail of Forest area of District Rupnagar 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 Ratio (Females per thousand)	915	893

The total area of District Rupnagar is 1440 Sq 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 pattern

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 Rupnagar is 1440 Sq km. The Net area sown & irrigated is 178,000 hectares. The gross cropped area is 143000 hectares 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 Gram Panchayats	611	97,827	506,820	86

** Source- <http://www.cpcbenviis.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	100 % segregation achieved.	Separate State Level Action Plan has been prepared for management of Solid Waste. Further, door to door awareness regarding segregation and home composting is being done.	EO, Rupnagar	31.03.2022 revised to 30.06.2022
ii.	Municipal Council, Anandpur Sahib	100 % segregation achieved, no gap.		EO, Anandpur Sahib	31.03.2022 revised to 30.06.2022
iii.	Municipal Council, Nangal	100 % segregation achieved, no gap.		EO, Nangal	31.03.2022 revised to 30.06.2022
iv.	Municipal Council, Morinda	100 % segregation achieved.		EO, Morinda	31.03.2022 revised to 30.06.2022
v.	Nagar Panchayat, Chamkaur Sahib	100 % segregation achieved, no gap.		EO, Chamkaur Sahib	31.03.2022 revised to 30.06.2022
vi.	Nagar Panchayat, Kiratpur Sahib	90 % segregation achieved.		EO, Kiratpur Sahib	31.03.2022 revised to 30.06.2022
vii.	Gram Panchayats (611)	Segregation not being done in Maximum villages.		Gram Panchayats have been instructed to ensure that segregation of solid waste is done at the source itself. SWM Structures are planned to built in Gram Panchayats and IEC	DDPO, XEn PR and XEn WSS -cum- District Sanitation Officer

			campaigns to be undertaken to encourage people to make SWM sustainable in rural areas.		150 GPs • By 31.10.2025= 167 GPs • By 31.10.2026= 167 GPs
b)	Sweeping				
	Manual Sweeping				
1.	Municipal Council, Rupnagar	100% sweeping being done, no gap	MC/NP is carrying out sweeping in residential/commercial areas twice/once a day	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 done, no gap		EO, Morinda	-
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 revised to 30.06.2022 As per non-attainment city Nangal Action Plan timeline.
8	Gram Panchayat (611)	15% Sweeping being done. 85% road is not covered.	Directions have been issued to all the GPs to	DDPO and XEn Panchayati Raj	31.10.2026 • By 31.10.2022 = 17 GPs

			manage the Sweeping activity locally through existing resources and regular Shramdaan campaigns in the Gram Panchayats, the task of Manual Sweeping will be undertaken through all panchayats.		<ul style="list-style-type: none"> • By 31.10.2023 = 110 GPs • By 31.10.2024= 150 GPs • By 31.10.2025= 167 GPs • By 31.10.2026= 167 GPs
c) Waste Collection					
1.	100% collection of solid waste	Village Arrangements are to be provided in Gram panchayats (611) = Not adequate arrangements	Waste shall be collected in GPs with the help of Garbage cycle rickshaws with separate compartments for dustbins. Apart from the funds from 15th Finance Commission and Panchayat Funds, resources for this task would be supplemented by taking help from the Civil Society.	DDPO , XEn PR and XEn WSS -cum- District Sanitation Officer	Gram Panchayats (611) = Time target and for arranging rickshaws = 31.10.2026 <ul style="list-style-type: none"> • By 31.10.2022 = 17 rickshaws • By 31.10.2023 = 110 rickshaws • By 31.10.2024 = 150 rickshaws • By
2.	Arrangement for door to door collection	Village Arrangements are to be provided in Gram panchayats (611) = Not adequate arrangements			
3.	Waste Collection trolleys with separate compartments	Village Arrangements are to be provided in Gram panchayats (611) = Not adequate arrangements			

4.	Mini Collection Trucks with separate compartments	Village Arrangements are to be provided in Gram panchayats (611) = Not adequate arrangements	<p>Gram Panchayats (611) = Total no. compartment wise solid Waste Collection rikshaws required = 1222 No. Available = Nil</p> <p>Gram Panchayats (611) = Transport and waste transfer points are being arranged.</p>		<p>31.10.2025 = 167 rickshaws</p> <ul style="list-style-type: none"> • By 31.10.2026 = 167 rickshaws <p>Gram Panchayats (611) = Timeline to provide the transport and waste transfer points= 31.10.2026</p> <ul style="list-style-type: none"> • By 31.10.2022 = 17 GPs • By 31.10.2023 = 110 GPs • By 31.10.2024 = 150 GPs • By 31.10.2025 = 167 GPs • By 31.10.2026 = 167 GPs
5.	Waste deposition Center (for domestic hazardous waste)	Number of deposition center 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 = 1 Installed = 1	MC planning to install bins for domestic hazardous	EO, Anandpur Sahib	Activity completed

			waste.		
iii.	Municipal Council, Nangal	Required = 1 Installed = 1	-	EO, Nangal	
iv.	Municipal Council, Morinda	Required = 1 Installed = 1	MC planning to install bins for domestic hazardous waste.	EO, Morinda	Activity completed
v.	Nagar Panchayat, Chamkaur Sahib	Required = 1 Installed = 1	-	EO, Chamkaur Sahib	
vi.	Nagar Panchayat, Kiratpur Sahib	Required = 1 Installed = 1	MC planning to install bins for domestic hazardous waste.	EO, Kiratpur Sahib	Activity completed
vii.	Gram Panchayats (611)	Required = 611 Installed = 0	Presently, there is no proper mechanism for disposal of domestic hazardous waste in rural areas. The plan for the same entails that the rickshaws that would be used for collecting the solid waste would be equipped with red color bins to collect domestic hazardous waste and the same would be deposited in a separate space within the SWM structure to be built in the GP.	DDPO , XEn PR and XEn PPCB	<ul style="list-style-type: none"> • 31.10.2026 • By 31.10.2022 = 17 GPs • By 31.10.2023 = 110 GPs • By 31.10.2024= 150 GPs • By 31.10.2025= 167 GPs • By 31.10.2026= 167 GPs

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 <ul style="list-style-type: none"> • 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)	Absence of information on Bulk Waste Generators and the practice followed by them for wet waste management	The first step in the plan is identification of Bulk Waste Generators in the rural areas. Thereafter, the existing mechanisms of wet waste disposal adopted by the BWGs will be checked and if any violations of norms are found then appropriate action would be recommended against them.	DDPO and XEn PPCB	By 31.03.2023 database of BWGs will be compiled along with the mechanism adopted by them for wet waste treatment/ disposal and action taken (if any) would be

					recorded.
2.	Wet-waste Management: Facility(ies) for central Bio-methanation / Composting of wets waste.				
i.	Municipal Council, Rupnagar	115 no. compost pits are operational.	Additional around 5 compost pits are required.	EO, Rupnagar	31.03.2022 revised to 30.06.2022
ii.	Municipal Council, Anandpur Sahib	25 no. compost pits constructed and are operational.	Adequate	EO, Anandpur Sahib	Activity Completed
iii.	Municipal Council, Nangal	103 no. compost pits constructed and are operational.	Adequate	EO, Nangal	Activity Completed
iv.	Municipal Council, Morinda	29 no. compost pits constructed and are operational.	Adequate	EO, Morinda	Activity Completed
v.	Nagar Panchayat, Chamkaur Sahib	23 no. compost pits constructed and are operational.	Adequate	EO, Chamkaur Sahib	Activity Completed
vi.	Nagar Panchayat, Kiratpur Sahib	13 no. compost pits constructed and are operational.	Adequate	EO, Kiratpur Sahib	Activity Completed
vii.	Gram Panchayats (611)	Not adequate	Wet waste management is a part/ sub set of the SWM plan prepared above. Compost pits for wet waste will be prepared at the SWM structures to be set up in the GPs	DDPO and XEn Panchayati Raj	<ul style="list-style-type: none"> • 31.10.2026 • By 31.10.2022 = 17 GPs • By 31.10.2023 = 110 GPs • By 31.10.2024= 150 GPs

					<ul style="list-style-type: none"> • By 31.10.2025= 167 GPs • By 31.10.2026= 167 GPs
3.	Dry-Waste Management: Material Recovery for dry-waste fraction	Not adequate	<p>A cluster based approach is planned where-in a cluster of approx 10 villages will collect its dry waste at one site.</p> <p>The material that can be recycled (paper, plastic etc) will be sold to the local raddi/kabaddi walas from that site itself for its disposal at the end user.</p> <p>The remaining inert materials which will only be 5 to 10 % of the total waste will be disposed off for filling purposes at low lying areas.</p>	DDPO and XEn Panchayati Raj	<ul style="list-style-type: none"> • 31.12.2024 • By 31.10.2022 = 10 Clusters <ul style="list-style-type: none"> • By 31.3.2023 = 10 Clusters • By 31.12.2023= 15 Clusters • By 30.06.2024= 15 Clusters • By 31.12.2024 = 20 Clusters
4.	Disposal of inert and non-recyclable wastes: Sanitary Landfill	Gram Panchayats = Sanitary Landfill (SLF) yet to be established. Gram Panchayats = Sanitary Landfill (SLF) yet to be established.	At initial stage SLF seems to be practically not viable. Therefore inert waste is proposed to be disposed at low lying areas as mentioned in Sr. No. 3 above.	DDPO and XEn Panchayati Raj	No time line is required.
5.	Remediation of historic / legacy dumpsite	Whether existing old dumpsite if any required remediation as per rules?	Action plan for remediation of legacy / historic dumpsite.		

i.	Municipal Council, Rupnagar	750 MT	Mechanical separator purchased and 300 MT of legacy waste already remediated.	EO, Rupnagar	100% remediation by 31.03.2022 revised to 31.03.2023
ii.	Municipal Council, Anandpur Sahib	200 MT	Not yet initiated	EO, Anandpur Sahib	100% remediation by 31.03.2022 revised to 31.12.2022
iii.	Municipal Council, Nangal	6813 MT.	Mechanical separator purchased and 2576 MT of legacy waste already remediated.	EO, Nangal	100% remediation by 31.03.2022 revised to 31.12.2022
iv.	Municipal Council, Morinda	740 MT.	Mechanical separator purchased and 240 MT of legacy waste already remediated.	EO, Morinda	100% remediation by 31.03.2022 revised to 31.12.2022
v.	Nagar Panchayat, Chamkaur Sahib	305 MT	Mechanical separator purchased and 235 MT of legacy waste already remediated.	EO, Chamkaur Sahib	100% remediation by 31.03.2022 revised to 31.12.2022
vi.	Nagar Panchayat, Kiratpur Sahib	45 MT	Mechanical separator purchased and 25 MT of legacy waste already remediated.	EO, Kiratpur Sahib	100% remediation by 31.03.2022 revised to 31.12.2022
vii.	Gram Panchayats (611)	Not started	The number of legacy dumpsites will be identified in the rural areas and the quantum of waste at the dump site would be assessed. Thereafter Bio-remediation will be carried out as is being done in the urban areas.	DDPO and XEn Panchayati Raj	Identification of sites will be done by 30.09.2022 Assessment of quantum of legacy waste will be done by 31.12.2022

					Treatment of legacy waste will be done as is being done in urban areas by 31.12.2023
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	Not existing	The compliance of SWM Rules, 2016 will be ensured by executive orders. Directions will be issued to all the GPs accordingly.	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 greenbelt and boundary wall around solid waste dumping site.	Provided for ULBs 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 revised to 30.09.2022
12.	Providing compartments and GPS tracking in garbage	Nil as activity completed	All the 32 mechanical Vehicles have been provided compartments	ULBs	Activity completed

	carrying vehicles		with GPS.		
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. 606 of 2018 dated 22.07.2019, 28.02.2019, 14.12.2020)	No Gap	Swachhata app is widely used by citizens for complaints related to SWM/ SBM, It is resolved and monitored at ULB and state level both.	All Local bodies	Already in place
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.	NP, Kiratpur Sahib: Provided 05 CCTVs camera. NP Chamkaur Sahib: Not provided. MC Morinda: Provided 05 CCTVs camera. MC Anandpur Sahib: Not provided. MC Rupnagar: Not provided. MC, Nangal: CCTV camera	All Local bodies	31.03.2022 revised to 30.06.2022

			installed.		
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 MC Nangal and NP Chamkaur Sahib.	NP, Kiratpur Sahib: 02 piezometers provided at dump site. NP Chamkaur Sahib: Provided. MC Morinda: Yet to be provided. MC Anandpur Sahib: Yet to be provided. MC Rupnagar: Yet to be provided. MC, Nangal: Provided.	Local bodies	31.03.2022 revised to 30.06.2022
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 31.05.2022	ADC(UD)	31.03.2022 revised to 31.05.2022 (to preparation of proposal/scheme)
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)	No scientific disposal facility is available yet. Presently carcasses are being handled through local hadda roris.	Directions have been issued to the Animal Husbandry Department to ensure that the disposal of carcass be done under the supervision of their field functionaries as per directions of NGT.	DD(AH)	Directions already issued to the concerned authority.
19.	Management of waste water and solid waste by the	Adequate in all the 46 no. unauthorized	-	MCs	The matter is to be discussed

	unauthorized colonies/residential complex/commercial complex developed by Pvt. Colonizers.	colonies/residential complex/commercial complex developed by Pvt. Colonizers			with Chief Secretary Punjab at state level meeting with GAMADA and other development authorities. PPCB shall coordinate the issue.
20.	To prepare proposal / scheme for management of solid waste in the villages either in cluster form or independently in individual villages	In adequate management of solid waste in the villages	Plan for solid waste management (independently in individual villages) has already been prepared as explained earlier.	DDPO	<ul style="list-style-type: none"> • 31.10.2026 • By 31.10.2022 = 17 GPs • By 31.10.2023 = 110 GPs • By 31.10.2024 = 150 GPs • By 31.10.2025 = 167 GPs • By 31.10.2026 = 167 GPs
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	MCs	Regular Activity

			residents are informed when the joint team visits their colonies and they are encouraged to follow the solid and liquid waste management rules.		
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.	No scientific disposal facility is available yet. Presently carcasses are being handled through local hadda roris.	Short term measures like hedges, plantation and 1 gate to be provided at each carcass disposal site (hadda rori) to avoid entry of stray animals. Long term measure of Carcass utilization plant can be taken up only after a decision at the State level made as Gram Panchayats have shown strong opposition to setting up of rendering plant in rural area. In the mean time options are being explored	DDPO and DD(AH)	Short term measures will be implemented at the carcass management sites by 30.6.2023 Target date for long term measure will be adhered as decided by the State level authorities.
24.	Management of Horticulture Waste in MCs.	73 no. parks/schools and compost pits provided in 68.	Adequate no. of compost pits provided in the parks.	MCs	Activity completed

ii) Plastic Waste Management

a) Current status related to Plastic waste management

Sr. no.	Urban Local bodies	Estimated quantity of Plastic Waste Generated 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 PlasticWaste Generatedper 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	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 6 ULBs =100% collections. Villages Panchayat (611) =Not initiated. 	<p>At Present Door to door collection is being done by Informal Sector. It is planned that the collection mechanism for SWM would be deployed for plastic waste collection as well.</p>	Department of Local Government & DDPO	<p>MCs = Activity Completed.</p> <p>DDPO = 31.10.2026</p> <p>By 31.10.2022 = 17 GPs</p> <p>By 31.10.2023 = 110 GPs</p> <p>By 31.10.2024 = 150 GPs</p> <p>By 31.10.2025 = 167 GPs</p> <p>By 31.10.2026 = 167 GPs</p>

<p>2.</p>	<p>Facilitate organised collection of PW at Waste transfer point or Material Recovery Facility</p>	<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. The SWM structures to be prepared in GPs would be used as plastic collection centres. A cluster based approach is planned where-in a cluster of approx 10 villages will collect its dry waste at one site. Plastic will be sold to the authorised recyclers from that site itself for its disposal at the end user. 	<p>MCs</p> <p>DDPO</p>	<ul style="list-style-type: none"> MCs = Activity Completed DDPO= 31.12.2024 By 31.10.2022 = 10 Clusters By 31.3.2023 = 10 Clusters By 31.12.2023 = 15 Clusters By 30.06.2024 = 15 Clusters By 31.12.2024 =20 Clusters
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3.	PW collection Centres	Collection Centres are being setup and also involvement of producer and brand-owners or their PROs to facilitate setting up of collection centres is being ensured.	Status of MRFs is as under: <ul style="list-style-type: none"> • Kiratpur Sahib - 2 • Rupnagar - 2 • Chamkaur Sahib - 1 • Morinda - 2 • Nangal - 2 • Anandpur Sahib - 1 temporary. 	Department of urban development	31.03.2022 revised to 30.06.2022
4.	Awareness and education program 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 = 03 Total no. of plastic unit obtained registration = 02	PPCB	Timeline for registration of the remaining units: 31.12.2022

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 Not existing	MCL and all MCs = already framed Gram Panchayats (611) The compliance of PWM Rules, 2016 will be ensured by executive orders. Directions will be issued to all the GPs accordingly.	ADC(UD) and DDPO	- 31.10.2022
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 at the Gram Panchayat level for segregation, Collection, transportation and proper disposal of Plastic waste.	DDPO	30.10.2022
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	ALL Local bodies/PPCB	The Ministry of Environment, forest And Climate change vide its notification dated

			<p>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.</p> <p>Further, the guidelines of the Centre and State Govt., regarding banning of single use plastic will be complied with.</p>		<p>12.08.2021 has banned Single use plastic with effect from 1.07.2022.</p>
11.	<p>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)</p>	<p>Arrangement for plastic waste disposal.</p>	<p>ULBs Recyclable plastic waste is collected, transported and stored separately by all ULBs. Currently such plastic is being stored at MRF. Contract For channelization/ processing have been done with Max Specialty Films Pvt. Ltd.</p> <p>Authorised agencies will be roped in for the comprehensive handling of plastic waste.</p>	<p>All Local bodies & DDPO</p>	<p>ULBs 31.12.2021</p> <p>DDPO:- 31.10.2022 For preparation of Action Plan</p> <p>Identification of authorised agencies will be done by 31.10.2022</p> <p>Agreement to be entered with the identified authorised agencies by</p>

					31.12.2022
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. Camps will be organized of quarterly basis DDPO- Directions have been issued to Gram Panchayats and department officials to conduct IEC activities to spread awareness regarding the same.	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,	Disposal of plastic waste in villages.	Instructions have been issued to the Gram Panchayats	DDPO	31.10.2022

	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)				
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

iii) Construction and Demolition 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.	ULBs = Separate collection sites provided in each ULB. Gram Panchayats (611) = Not initiated	- One site per block will be identified where the C&D waste will be deposited from rural areas	ULBs XEn Panchayati Raj	Activity Completed Identification of sites will be done by 31.12.2022

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. Gram Panchayats (611) = Not initiated	Process has been initiated. Fee will be charged on per trolley basis	ULBs XEn PR	Activity Completed Bulk Waste Generators to be identified by 31.1.2023 and user fee to be implemented by 31.3.3.2023
3.	C&D recycling Facility	Presently there is no C&D recycling Facility in the District Gram Panchayats (611) = Not initiated	Recycling facility shall be provided by the Department of Local Govt. in the District C&D recycling Facility of ULB will be used for this purpose.	Dept 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			
5.	ICE on C&D waste management	Yes Gram Panchayats (611) = Not initiated	Awareness will be done through media, NGOs & radio. Awareness will be done and instructions have been issued regarding the same.	ULBs DDPO	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	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	Regular activity
2.	Adequacy of facilities to treat bio medical waste	NA	NA		
3.	Tracking of BMW	No gap as bar Code system is implemented for all HCFs for BMW. 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 ETPs =126 Total HCF installed ETPs= 10 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	31.12.2022

v) Hazardous Waste Management

a) Current Status related to Hazardous Waste Management

Details of Data Requirement	PresentStatus
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 and 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 = 34 Authorized by the PPCB = 30 	Regular camps are being organized to pursue the industries to obtain the authorization.	PPCB	Regular activity
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	Activity completed

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. Gram Panchayats not initiated.	Under process It is planned that E-Waste Collection boxes would be installed at one location of GP (Panchayat Ghar, Dharamshala etc)	SPCB/ PCC DDPO and ADC (UD)	30.04.2022 revised to 30.06.2022 31.10.2022 ²
2	E-Waste collection points	E-Waste collection points not available in towns and cities and EPR need to be strengthened. Gram Panchayats not initiated.	Identification /registering E-Waste collection centres in association with Producers – their PROs or Recyclers From each Gram Panchayat collection point,	MCs and GMDIC DDPO and XEn PPCB	0.04.2022 revised to 30.06.2022 31.3.2023

			authorised collection agencies/agents would be roped in for collection of E-waste for disposal purposes.		
3	Linkage among Stakeholders to channelize E-Waste	Linkage among stakeholders is being done.	Work under progress	All MCs and GMDIC	31.10.2022
4	Regulation of Illegal E-Waste recycling /dismantling	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 Gram Panchayats not initiated.	Being Prepared Service providers in the informal sector will be utilised as they have a major role to play in rural areas	District Administration & PPCB DDPO	31.10.2022 31.03.2023
6	Awareness and Education	Regular activity Gram Panchayats have not initiated the activity.	Quarterly Special workshops and awareness campaigns through Producers/PROs will be carried out. Awareness camps will be held regularly	District Administration & PPCB DDPO	Regular Activity Regular Activity
7.	Identification of Producers who have not obtained, EPR Authorization (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	This is a continuous activity and will be followed.	This is a continuous activity and will be followed.	SPCBs/ PCCs/Custom department	Regular activity

8	Verification of quantity of e-waste collected by producers(Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	This is a continuous Activity. All the EPR 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 15.01.2021)	No gap	State Government has already planned the focal points for industrial units. Proper space will be allocated to the existing and upcoming industrial unit for E waste dismantling and recycling facility.	PSIEC	Already done
18	Recognition and registration of workers involved in dismantling and recycling, undertake industrial skill development activities for the workers involved in	No gap	Recognition and registration of workers involved in dismantling and recycling and industrial skill development activities for the workers involved	Labour Department	Regular Activity

	dismantling and recycling. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)		in dismantling and recycling will be done on regular basis		
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 30.06.2022 Red = 23 Orange = 320 Green= 41 Timeline for grant of consents to the balance units not having valid consent. This is a regular activity as consents get expired and industries apply for renewal. However, culminating period for granting consents to different categories as per policy of the Board is given as under: Red = 31st March Orange = 30th September Green= 31st December
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%	MCS, PWD,	31.12.2022
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.	Hot spot so fair 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 is being 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 is as following:</p>	MC, Nangal, PWD	Regular activity

		(Kiratpur Sahib-Nangal-una road 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 revised to 30.06.2022.
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 bio-mass.	MCs are conducting raids at regular intervals for challaning of people involved in open burning of bio-mass.	MCs	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	Quality Management Division (AQMD) at PPCB (HQ) Established.	PPCB,	Activity completed
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 kg 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	Plantation has been provided along road side/regular activity.
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, 	Agriculture department	Seasonal/Regular Activity.

		Hoarding 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 and 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 and Xen Drainage and Irrigation	Regular activity

	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, Xen Drainage and Irrigation	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, XEN Canal / Irrigation / Drainage	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, XEN Drainage	Activity completed
6.	Oil spill disaster management (for coastal districts)	Not applicable	NA	NA
7.	Protection of flood plains	Drainage department regularly undertakes flood plains protection measures and in particularly during the run up to the monsoon season.	XEn Drainage	Regular Activity
8.	Rejuvenation of ground water	Action plan for Rain water harvesting prepared by CGWB. http://cgwb.gov.in/gwresource.html	Divisional Soil Conservation Officer	-
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) Current Status related 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	5
No of Towns needing STPs	1
No of ULB shaving 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	Tending and allotment - 10.11.2021 Construction of STP - 31.07.2022 Commissioning - 31.10.2022 31.03.2023
2.	Underground sewerage network	Sewerage network is already being laid in major town and cities. Sewerage pipelines are partially provided in Morinda, Kiratpur Sahib and Rupnagar.	PWSSB	30.09.2023 (Kiratpur Sahib, Morinda and Rupnagar) reduced to 31.10.2022

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. Regular activity
	(ii) Providing proper in-house laboratory facilities at each STP for maintaining record of characteristics of analysis of untreated as well as treated waste water	Completed	MC, PWSSB	<ul style="list-style-type: none"> • STP Badi Haveli, Rupnagar (10 MLD): Activity Completed • STP Sadabart, Rupnagar (2 MLD) : 31.03.2023 • STP Rasulpur, Rupnagar (2.5 MLD) : 31.03.2023 • STP Mojowal, Naya Nangal (8 MLD): Activity Completed • STP BBMB Nangal (1.5 MGD): Activity Completed • STP Burari, Nangal (5 MLD): Provided • STP Anandpur Sahib (8 MLD) MBBR Technology: Activity Completed • STP Chamkaur Sahib (1.7 MLD)

				WSP: 31.03.2023 • STP Morinda (5.5 MLD): Activity Completed
5.	Provision of necessary treatment facilities in village ponds so that no untreated or polluted water enters river directly or indirectly through various drains or creeks. (i) Finalization of appropriate technology	A. Total number of villages in district are 606 B. Total Number of ponds provided = 512 C. Yet to be provided = 94	XEn PR	31.03.2023
	(ii) Arrangement of Funds for treatment technology in various villages identified in the Action Plan	A. Through MGNERGA and Panchayat Funds	ADC (D)	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.	XEn PR	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 of water resources,	Regular activity

		department.		
	(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.	Divisional Soil Conservation Officer	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	Water Resources (Ground water cum NHP wing) and PWRDA	Activity completed

		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.		
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)	In the first phase 75 ponds will be taken up in the district under the Amrit Sarovar Project in the year 2022-23	XEn Panchayati Raj	75 ponds will be completed by 31.10.2022

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 fall in ponds.	Drainage	31.10.2026
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 are being already followed.	MCs/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.	MCs, 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

				<p>department will submit the reports to the District Environment Committee and PPCB on monthly basis.</p> <ul style="list-style-type: none"> • 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.	An operation & Maintenance Manual for efficient functioning of STPs in the State has been prepared.	PPCB	Activity completed.
31.	Enhancement of capacity of existing ponds/ water bodies and creating of new water harvesting structures.	<p>Existing ponds = 512 (Total)</p> <p>The existing capacity of ponds is enhanced through dewatering and desilting efforts done twice a year after harvesting season.</p> <p>These ponds contain both wastewater and rainwater.</p> <p>75 new ponds will be created under the Amrit Sarovar initiative in the year 2022-2023.</p> <p>These ponds would store rain water and</p>	ADC (D), Divisional Soil Conservation Officer, XEn WSS – cum- District Sanitation Officer, XEn Panchayati Raj	<p>Enhancement of capacity of existing ponds is a regular activity.</p> <p>75 ponds as rain water harvesting structures will be completed by 31.10.2022</p>

		would act as water harvesting structures. Source of funds for above activities: Gram Panchayat Fund, Finance Commission, MGNREGA.		
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	All MCs	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,181476.44066099d,35y,0.03480517h,45.47133225t,0.0813r?utm_source=earth7&utm_campaign=vine&hl=en	Drainage Department	Completed
34.	Utilization of STPs sludge	STP sludge is used by the farmers as manure.	All MCs	Regular activity
35.	Framing policy for the management of highly contaminated Feacal 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.	XEn Sewerage	30.06.2022
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 groundwater 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"> • STPBadi Haveli, Rupnagar (10 MLD): Not 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

5.0 Industrial wastewater management

a) Current Status related to Industrial Wastewater 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 wastewater	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 • Red = 34 Orange = 434 Green= 58 • Total no. of units having valid consent as on 30.06.2022 Red = 24 Orange = 321 Green= 36 • Timeline for grant of consents to the balance units not having valid consent. <p>This is a regular activity as consents get expired and industries apply for renewal. However, culminating period for granting consents to different categories as per policy of the Board is given as under:</p> <p>Red = 31st March Orange = 30th September Green= 31st December</p>
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.

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	Riverbed= 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 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 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	Drainage Department	Regular Activity

		DGPS System.		
5.	Mining in all blocks is undertaken as per provisions of EIA Notification, 2006; MOEF Notification dated 15.1.2016 and the Sustainable Sand Mining Management Guidelines, 2016. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	<p>i. As per the guidelines, there is provision for obtaining E.C before commencement of mining.</p> <p>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.)</p>	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)	<p>The conditions mentioned in the Environmental Cleanliness Certificate issued by the State Level Environment Impact Authority (SEIAA), are being followed.</p> <p>No Mining operations in the leveled riverbed shall be carried out beyond the depth of 3 meters or water level whichever is less/lower.</p>	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 Department.	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 examining 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 &	Police Department & Drainage Department	Being followed.

		for daily 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 on	Drainage Department	Regular activity

		monthly basis by District 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	No such godown district Rupnagar.	Drainage Department	Regular Activity

	Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)			
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 weight slip provided to the transporter, contains a QR Code & can be scanned by any smart-phone available in market, to get the desired information of the	Drainage Department	Regular Activity

		minor mineral.		
21.	<p>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)</p>	<p>At present stage no such problem or situation occurs in District.</p>	<p>Drainage Department</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 contacts 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/Poclaim/other vehicle) got impounded/seized during the action, after the proper legal procedure taken by the concerned department the such vehicle is released.</p>	<p>Drainage Department</p>	<p>Regular Activity</p>

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 the 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
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7.0 NOISE POLLUTION MANAGEMENT PLAN**(a) Current Status related to Noise Pollution Management**

Details of Data Requirement	Measurable Out come
No. of noise measuring devices available with various agencies in district	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. Noise meters will be procured by the police	Police Department	31.12.2022
2.	Ambient Noise Level monitoring.	Yet to install	PPCB	31.12.2022
3.	Sign board sin Noise zones	Sign boards will be installed after identification of noise sensitive zones	PPCB DDPO	Identification of noise sensitive zones will be done by 31.10.2022 Sign boards will be installed by 31.01.2023
4.	Complaint redressing system	Public complaint redressal system already established in the district.	ADC (D)	Activity completed
5.	Checking of pressure horn of vehicles	Regular checking of vehicle is being done by the police department and same activity will be continued.	Police Department and Secretary, RTA	Regular activity

- **Wetlands**

- **Ropar Wetland**

Ropar Wetland at District Ropar came into formation with the construction of a barrage in 1952 for diversion of Sutlej River water for drinking and irrigation supplies in parts of Punjab. On March 27, 1991, the Punjab Government declared the lake behind Ropar Head Works as wetland. The Ropar wetland is spread over 1365 ha (13.65 sq.km). Located at about 45 Kms in the North-West of Chandigarh, it is an impounded part of the river Sutlej near Ropar.

The Ropar Wetland may be classified as manmade, fresh water riverine and lacustrine wetland. Climatically this area falls under Semi-arid zone of Punjab. Under the National Wetlands Programme of the Ministry of Environment, Forest and Climate Change, Government of India, Ropar wetland was selected for inclusion in the list of wetlands of national importance. On February 22, 2002, it was declared as a Ramsar Site (No. 1161). The area serves as an important habitat for some threatened species in Shivalik Foothills like Scaly ant eater, Python etc. It is also an important staging ground for migratory waterfowl. It is essentially a reservoir surrounded by marshy margins dominated by large stands of Phragmites. Located at the Shivalik foothills, the wetland receives a large silt load from the eroded hills. The depth of the lake varies from 0.5 m to 6 m. A few shallow water bodies along both sides of the river are located within the wetland area.

- **Location of Ropar Wetland**

It is located at 30°57'N - 31°06' latitude and 76°25' - 76°36' E longitude at an elevation of 275 m above mean sea level.

- **Challenges:**

- **Industrial Pollution**

There are following major units in the catchment area or near the River banks:

1. M/s National Fertilizers Ltd., Naya Nangal.
2. M/s Punjab Alkalies and Chemicals Ltd., Naya Nangal.
3. M/s Guru Gobind Singh Super Thermal Plant (GGSSTP), Village Ghanauli, Roopnagar.
4. M/s Ambuja Cements Ltd., Village Daburji, P.O Lodhimajra, Roopnagar.

All these industries although are not water extensive, but apprehension will always be there in terms of any Potential/Water Pollution. The industrial source need to be monitored closely.

Heavy metals like lead, arsenic, mercury, copper, chromium, zinc and cadmium originate in vehicle exhaust, industrial emissions, incinerators and landfills. They may be carried by rainwater or reach directly into groundwater.

- **Domestic Pollution**

Similarly, all the Domestic direct/indirect sources of wastewater discharge need to be identified and closely monitored and bacteria and viruses are found in sewage and septic tank effluents as well as in rainwater runoff from streets and farms.

- **Organic chemicals**

Pesticides and household or industrial cleaners and solvents are carried that pollutes the water.

- **Flora Diversity:**

The main species are *Tectona grandis*, *Dalbergia sissoo*, *Typha angustata*, *Phragmites*, *Argemone mexicana*, *Withania somnifera*, *Acacia*, *Dalbergia*, *Delonix*, *Salix*, *Syzygium*, *Ziziphus*, *Utricularia*, *Ipomoea*, *Cyperus*, *Typha*, *Phragmites* etc.

- **Faunal Diversity**

Ropar Wetland Conservation Reserve provides habitat for variety of animals that also include some threatened and endangered species. The kinds of animals which inhabit the Ropar Wetland Conservation Reserve area are represented by a number of mammals, birds, fish, arthropods, rotifers, crustaceans and protozoans. Birds such as ruddy shelduck, northern pintail, common teal, mallard, gadwall, Eurasian wigeon etc. Some main species are Sambhar, Blue Bull, Wild boar, Jackal, Indian, Porcupine, Small Indian mongoose, Rufous tailed hare, Common Mongoose, Fruit bat, House Rat, Pale hedgehog, Jungle cat, Squirrel, Rhesus Monkey, Indian Pangolin, Hog deer.

Vide Govt. of Punjab Department of Forests and Wildlife Preservation (Forest Branch) vide notification no. 31/10/2017-Ft-51057481/1 dated 05.09.2017 has declared the area of village Garhbaga, Bajadurpur, Katli, Khuaspura, Mianpur, and Haveli Kalan, Distt, Rupnagar.

- **Nangal Wetland**

"The Forest Area of villages Brari, Hambewal, Bhabor Sahib, Dabheta, Talaura (Talwara), Khera Bhagh and Swamipur Bagh of Teh: Anandpur Sahib, District Rupnagar was declared as a Protected Forest vide ph, Govt. Notification No. 2793-Ft(VII) 64/2415 dated 28/05/1964. Nangal Wetland is an human-made reservoir that came into existence as a result of the Bhakra-Nangal Project 1963. An area of 116 ha of this human made wetland situated on Sutlej river in the foothills of Shiwalik in District Rupnagar of Punjab was declared as Ramsar Site No. 2407 on dated 26-9-2019 being one of the strongest supporters of numerous resident and migratory birds along with other flagship species. Nangal Wetland include trees, grasses, shrubs, moss and other plants that require at least some water coverage. It provides and abundance of essential ecosystem services, including water storage and water purification through retention of nutrients, sediments and pollutants, groundwater recharge, essential habitat for many plants and animals and erosion control. Nangal Wetland is one of the most important biodiverse areas in the region. Many of the challenges of the future can be met through conserving and sustainably using this wetland, such as food and water security, human health, disaster risk reduction and climate change resilience. The importance of in situ conservation of biological diversity through the establishment and management of National Parks, Wildlife Sanctuaries, Community Reserve and Conservation Reserve is now globally recognized. Conservation today is not only important in such Protected Areas (PAs) but also significant in adjoining managed forests (RFs and PFs). In many areas, setting aside areas and granting them legal protection by establishing and declaring them as Protected Areas in perhaps the only way to conserve whatever little natural areas are remaining. The State of

Punjab is a prime example of this situation, where intensive agriculture has severely reduced the expanse and integrity of the natural habitats.

- **Location of Nangal Wetland**

The area lies between 31°23'54.5"N 76°21'59.1"E

- **Water Pollution:**

The lake is a receptacle for domestic and agricultural wastes generated within its catchment. Agricultural runoffs are also some contributors. As the lake is surrounded by agricultural lands where the use of fertilizers and pesticides is high, the runoff during the rains from fields is increased. All waste fertilizer ultimately finds its way into the lake.

- **Important Fauna**

Main wildlife species found in the sanctuary are Sambar, Barking deer, Hare, Jackal, Python, Cobra, Rat snake, Leopard (migratory) etc.

- **Important Flora**

As per forest classification the sanctuary falls under the Dry Deciduous Forest type. The main tree species are Khair, Shisham, Subabul, Siris, Phalai, Ficus spp., Neem etc. Vide Govt. of Punjab Department of Forests and Wildlife Preservation (Forest Branch) vide notification no. 31/2/2009/FT-5/7069 dated 10.08.2009 has declared the area of village Bhabour, Khera Bag, Samipur, Hambewal, Taluara and Dubeta, Tehsil Sri Anandpur Sahib, Distt. Rupnagar as a sanctuary and will be called as Nangal Wildlife Sanctuary.

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 (D)	Sh. Damanjit Singh Mann, PCS	ADC (D)	99880-00082	adcdnregarup@yahoo.in
2.	Deptt. of Transport	Sh. Sukhwinder Kumar	Regional Transport Authority	98726-30545	rtamohali65@gmail.com
3.	Deptt. of Police	Sh. Sandeep Garg IPS	Senior Superintendent of police	0181-220119	ssp.rupnagar@nic.in
4.	Deptt. of Rural Development & Panchayats, Roopnagar	Sh. Amarinderpal Singh	DDPO	98154-80900	ddpo_rupnagar@yahoo.com
5.	PWD (B&R)	Sh. Dawinder Kumar	XEn	98155-45801	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. Puneet Sharma	Executive Engineer – cum- District Mining Officer	95015-51200	xenminingropar@gmail.com
8.	Deptt. of Food & Civil Supplies	Sh. Satvir Singh	DFSC	88720-61700	dfscroopnagar1@gmail.com
9.	Deptt. of Agriculture	Sh. Majit Singh	Chief Agricultural officer	88720-26509	caoropar@gmail.com
10.	Deptt. of Forest	Sh. Naresh Mahajan Sh. Dharamvir Dairu IFS	DFO DFO (Wildlife)	98141-19058 75977-06403	dforupar@gmail.com dfowildliferopar@gmail.com
11.	Deptt. of Town & Country planning	Sh. Gurminder Singh	ATP	95011-19302	dtproopnagar2211@gmail.com
12.	PSIEC	Sh. Parminder Singh	XEn	98146-87275	xentwo.psiec@gmail.com
13.	Punjab Pollution Control Board	Sh. Harsimran Singh	AEE	84276-92683	eeroropar@gmail.com