



PUNJAB POLLUTION CONTROL BOARD

Regional Office-1, Ludhiana

E-648-B, 3rd Floor, Focal Point, Phase-5, Ludhiana

Phone: 0161-4678789

No. 2600-34

Through e-mail

Dated 09/10/2023

To

1. The Commissioner of Police, Ludhiana.
2. The Commissioner, Municipal Corporation, Ludhiana.
3. The Administrative, GLADA, Ludhiana.
4. The Additional Commissioner (UD), Ludhiana.
5. The Chief Agriculture Officer, Department of Agriculture, Ludhiana.
6. The Civil Surgeon, Ludhiana.
7. The District Development & Panchayat Officer, Ludhiana
8. The Regional Transport Authority, Ludhiana.
9. The Joint Director, Department of Punjab Energy Development Agency, Ludhiana.
10. The Deputy Director of Factories, Ludhiana (Circle 1-7).
11. The Superintendent Engineer/Executive Engineer, Department of Water Resources & Drainage, Ludhiana.
12. The Superintendent Engineer, PWD (B&R), Ludhiana.
13. The Superintendent Engineer/Executive Engineer PWSSB, Ludhiana.
14. The DSCO, Department of Soil & Water Conservation, Ludhiana.
15. The Divisional Forest Officer, Forest Department, Ludhiana.
16. The District Food & Civil Supply Officer, DFSC, Ludhiana
17. The Executive Engineer, PSIEC, Ludhiana
18. The Executive Engineer, Deptt. of Drainage, Ludhiana.
19. The Executive Engineer, Mining, Ludhiana.
20. The Environmental Engineer, Regional Office-2/3/4, Ludhiana and Fathegarh sahib.
21. The Executive officer, Municipal Council, Khanna, Doraha, Sahnewal, Samrala, Machhiwara, Payal, Maloudh, Raikot, Mullanpur Dakha, Jagraon.

Subject: Minutes of the meeting of District Environment Committee held on 11.09.2023 at 02.45 PM at Bachat Bhawan, Ludhiana under the Chairmanship of Deputy Commissioner, Ludhiana.

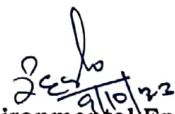
Please find attached herewith, the minutes of the meeting of District Level Environment Committee held under the Chairpersonship of Deputy Commissioner, Ludhiana on 11-09-2023 at 02:45 PM to review the progress of District Environmental plan.

This is for information and necessary compliance, please.

DA/ Minutes of the Meeting.

Endst. No. 2635

Date 09/10/2023


Environmental Engineer

A copy of the above is forwarded to the Deputy Commissioner cum Chairman District Environment Committee, Ludhiana.

DA/ Minutes of the Meeting.


Endst. No. 2636

Date 09/10/23


Environmental Engineer

A copy of the above is forwarded to the Additional Deputy Commissioner (UD) cum Convener, District Environment Committee, Ludhiana.

DA/ Minutes of the Meeting.


Environmental Engineer



Proceedings of the meeting of District Environment Committee held on 11.09.2023 at 2:45 PM at Bachat Bhawan, Ludhiana under the Chairmanship of Deputy Commissioner, Ludhiana.

At the outset the Environmental Engineer, Punjab Pollution Control Board, Ludhiana welcomes all the participants of the different departments and local bodies. The list of the participants is attached herewith. The agenda of the meeting was discussed in detail and decisions were taken as per the following pages.

1. WASTE MANAGEMENT PLAN

(i) Solid Waste Management

(a) Current status related to solid Waste management

Sr. No.	Urban Local bodies	No of Wards	No of Households	Population	Solid Waste Generated (MT per day)
1.	Municipal Corporation, Ludhiana	95	33,8729	1624771	1100
2.	Nagar Council Doraha	15	7750	25424	12
3.	Nagar Council Jagraon	23	15815	65240	23
4.	Nagar Council Khanna	33	27882	128137	95
5.	Nagar Council Payal	11	1787	7923	1.1
6.	Nagar Council Raikot	15	5800	28734	8.92
7.	Nagar Council Samrala	15	5442	19678	8
8.	Nagar Council Machhiwara	15	5629	24916	12
9.	Nagar Council Mullanpur	13	3835	16356	5
10.	Nagar Council Sahnewal	15	5152	22484	12
11.	Nagar Panchayat Maloud	11	1415	7567	1
	Total	261	419236	1971228	1278.02
Sr. No.	Local Bodies	No of Village Panchayats / Blocks	No of Households	Population	Solid Waste Generated perday (MT)
1.	No of Villages Panchayats	941	305600	1528000	764

(b) Identification of gaps and Acton plan:

Sr. No.	Action points For villages / blocks /town municipalities / City corporations	Identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan	Present Status	Decision taken during the meeting.
1.	Segregation						
I.	Municipal Corporation Ludhiana	A2Z was doing approximate 25-30% of door to door collection and rest is being done by informal sector. Due to termination of contract with M/s A2Z waste management Ludhiana only 50% Source Segregation is being done by informal sector.	<ul style="list-style-type: none"> For strengthening the door to door collection & segregation MC Ludhiana purchasing 350 Compartmentalized E-rehras. Work order issued to the company and Sample for E-rickshaw approved by Purchasing Committee. First lot of 50 E-rickshaw received and remaining will be received within this month 200 Tipper Under SBM Funds 	MCL	30.06.2024 (i) Procurement of Machinery to strengthen the Door to Door Collection and Source Segregation -31/12/2023 (ii) Deployment of machinery for Door to Door Collection-30/06/2024 (iii) Capacity Building of Informal Sector and integration of Informal Sector -31/12/2023	80 % achieved <ul style="list-style-type: none"> 350 E-rickshaws are procured and deployed in various wards to achieve the target. To purchase the 200 Tippers 3.3 cum for dry and wet waste, tenders has been floated on dated 26-07-2023 & pre-bid meeting has been done on dated 08-08-2023. All the machinery will be deployed till date 31-03-2024, to achieve the 100% target. 	The Chairman decided that MC Ludhiana shall ensure 100 % compliance within 45 days.
II.	Nagar Council, Doraha	70 % segregation achieved	Door to door awareness regarding source segregation is being done. Workshops to educate waste collectors and rag pickers are being organized. 4 Tata ace to be procured.	EO, Doraha	31.12.2023	92 %	After deliberation, the Chairman decided that MC authorities shall ensure 100 % compliance by 31.10.2023 by all means.

III.	Nagar Council, Jagraon	50 % segregation achieved.	Workshops to educate waste collectors and rag pickers are being organized. 3 tippers to be procured. Door to door awareness regarding source segregation is being done through motivators.	EO, Jagraon	31.12.2023	90 %	After deliberation, the Chairman decided that MC authorities shall ensure 100 % compliance by 31.10.2023 by all means.
IV.	Nagar Council, Khanna	50 % segregation achieved.	100 rickshaw/ rehras and 10 tractor trolleys to be procured. Door to door awareness regarding source segregation is being done through motivators. Workshops to educate waste collectors and rag pickers are being organized.	EO, Khanna	31.12.2023	90 %	After deliberation, the Chairman decided that MC authorities shall ensure 100 % compliance by 31.10.2023 by all means.
V.	Nagar Council, Payal	80 % segregation achieved.	Door to door awareness regarding source segregation is being done through motivators. Workshops to educate waste collectors and rag pickers are being organized. 2 e rickshaws and 1 tata ace to be procured.	EO, Payal	31.12.2023	80 %	After deliberation, the Chairman decided that MC authorities shall ensure 100 % compliance by 31.10.2023 by all means.
VI.	Nagar Council, Raikot	60 % segregation achieved.	Workshops to educate waste collectors and rag pickers are being organized. Door to door awareness regarding source segregation is being done	EO, Raikot	31.12.2023	90 %	After deliberation, the Chairman decided that MC authorities shall ensure 100 % compliance by 31.10.2023 by all means.

			through motivators.				
VII.	Nagar Council Samrala	60 % segregation achieved	Door to door awareness regarding source segregation is being done through motivators. Workshops to educate waste collectors and rag pickers are being organized. 50 compartmentalized rickshaw/ Rehras and 1 Tractor Trolley to be procured.	EO, Samrala	31.12.2023	92 %	After deliberation, the Chairman decided that MC authorities shall ensure 100 % compliance by 31.10.2023 by all means.
VIII.	Nagar Council Machhiwara	70 % segregation achieved	Door to door awareness regarding source segregation is being done.	EO, Machhiwara	31.12.2023	90 %	After deliberation, the Chairman decided that MC authorities shall ensure 100 % compliance all the times.
IX.	Nagar Council Mullanpur	65 % segregation achieved.	Door to door awareness regarding source segregation is being done through motivators. 1 Tractor trolley to be procured. Workshops to educate waste collectors and rag pickers are being organized.	EO, Mullanpur Dakha	31.12.2023	100 %	The Chairman noted the progress.
X.	Nagar Council Sahnewal	75 % segregation achieved.	1 Tractor Trolley to be procured. Door to door awareness regarding source segregation is being done through motivators. Workshops to educate waste collectors and rag pickers are being organized.	EO, Sahnewal	31.12.2023	95 %	After deliberation, the Chairman decided that MC authorities shall ensure 100 % compliance by 31.10.2023 by all means.

XI.	Nagar Panchayat Maloud	75 % segregation achieved.	Workshops to educate waste collectors and rag pickers are being organized. Door to door awareness regarding source segregation is being done through motivators. 2 e rickshaw, 1 tractor trolley to be procured.	EO, Maloudh	31.12.2023	100 %	The Chairman noted the progress.
XII.	Villages Panchayat (941)	Segregation has been started In 43 villages.	Gram Panchayats have been instructed to ensure that segregation of waste is done at the Source itself. SWM structures are planned to be built in Gram Panchayats and IEC campaigns to be undertaken to encourage people to make SWM sustainable in rural areas. Construction of 43 SWM structures has been completed and that of 29 is underway.	DDPO and BDPOs	Implementation = 31.12.2027 By 31.12.23 = 72 villages By 30.06.24 = 80 villages By 31.12.24 = 80 villages By 30.06.25 = 90 villages By 31.12.25 = 100 villages BY 30.06.26 = 110 villages By 31.12.26 = 120 villages By 30.06.27 = 140 villages By 31.12.27= 149 villages	New Solid Waste Management (SWM) projects have been started in 20 villages.	The Chairman decided that DDPO to adhere with the time frame given in the action plan.
2. Sweeping							
(i) Manual Sweeping							
I.	Municipal Corporation Ludhiana	Municipal Corporation Ludhiana doing sweeping twice a day in all residential areas, Public areas, and markets.	Municipal Corporation Ludhiana already deployed 01 Mechanical Road sweeping machine. MC Ludhiana Purchasing 04 Road Sweeping Machines and and 05 Road Sweeping machines under the 15 FC Grant.	MCL	Regular activity and is being complied with.	Municipal Corporation Ludhiana already doing sweeping twice a day in all residential, public & commercial area by deploying approx. 5500 Safai Sewaks.	The Chairman decided that MC authorities shall ensure 100 % compliance all the time.
II.	Nagar Council Doraha	Sweeping being done twice a day in all residential areas, Public	Being done on regular basis twice a day. Night sweeping also started in	EO, Doraha	Regular activity and is being complied with.	100%	The Chairman decided that MC authorities shall ensure 100 % compliance all the

		areas, and markets.	commercial areas.				time.
III.	Nagar Council Jagraon	Sweeping being done twice a day in all residential areas, Public areas, and markets.	Being done on regular basis twice a day. Night sweeping also started in commercial areas.	EO, Jagraon	Regular activity and is being complied with.	100%	The Chairman decided that MC authorities shall ensure 100 % compliance all the time.
IV.	Nagar Council Khanna	Sweeping being done twice a day in all residential areas, Public areas, and markets.	Being done on regular basis twice a day. Night sweeping also started in commercial areas.	EO, Khanna	Regular activity and is being complied with. The target timeline for procurement mechanical sweeping machine = 31.12.2023	100%	The Chairman decided that MC authorities shall ensure 100 % compliance all the time.
V.	Nagar Council Payal	Sweeping being done twice a day in all residential areas, Public areas, and markets.	Being done on regular basis twice a day. Night sweeping also started in commercial areas.	EO, Payal	Regular activity and is being complied with.	100%	The Chairman decided that MC authorities shall ensure 100 % compliance all the time.
VI.	Nagar Council Raikot	Sweeping being done twice a day in all residential areas, Public areas, and markets.	Being done on regular basis twice a day. Night sweeping also started in commercial areas.	EO, Raikot	Regular activity and is being complied with.	100%	The Chairman decided that MC authorities shall ensure 100 % compliance all the time.
VII.	Nagar Council Samrala	Sweeping being done twice a day in all residential areas, Public areas, and markets.	Being done on regular basis twice a day. Night sweeping also started in commercial areas.	EO, Samrala	Regular activity and is being complied with.	100%	The Chairman decided that MC authorities shall ensure 100 % compliance all the time.
VIII.	Nagar Council Machhiwara	Sweeping being done twice a day in all residential areas, Public areas, and markets.	Being done on regular basis twice a day. Night sweeping also started in commercial areas.	EO, Machhiwara	Regular activity and is being complied with.	100%	The Chairman decided that MC authorities shall ensure 100 % compliance all the time.
IX.	Nagar Council Mullanpur	Sweeping being done twice a day in all residential areas, Public areas, and markets.	Being done on regular basis twice a day. Night sweeping also started in commercial areas.	EO, Mullanpur	Regular activity and is being complied with.	100%	The Chairman decided that MC authorities shall ensure 100 % compliance all the time.
X.	Nagar Council Sahnewal	Sweeping being done twice a day in all residential areas, Public areas, and markets.	Being done on regular basis twice a day. Night sweeping also started in commercial areas.	EO, Sahnewal	Regular activity and is being complied with.	100%	The Chairman decided that MC authorities shall ensure 100 % compliance all the time.
XI.	Nagar Panchayat Maloud	Sweeping being done twice a day in all residential areas, Public	Being done on regular basis twice a day. Night sweeping also started in	EO, Maloud	Regular activity and is being complied with.	100%	The Chairman decided that MC authorities shall ensure 100 % compliance all the

		areas, and markets.	commercial areas.				time.
XII.	Villages Panchayat (941)	In majority of the villages sweeping is not being done.	Directions have been issued to all the GPs to manage the Sweeping activity locally through existing resources and regular Shramdaan campaigns in the Gram Panchayats. Various IEC activities are also being conducted on regular basis.	DDPO, XEN PR and XEN WSS-cum- District Sanitation Officer	Implementation = 31.12.2026 BY 31.12.2024 = 310 Villages BY 31.12.2025= 315 Villages BY 31.12.2026 = 316 Villages	Sweeping of common villages has started in many villages.	The Chairman decided that DDPO to adhere with the time frame given in the action plan.
(ii)	Mechanical Road Sweeping and Collection	Presently target is being achieved in Mechanical Road Sweeping.	Municipal Corporation Ludhiana already deployed 01 Mechanical Road sweeping machine for night sweeping MC Ludhiana Purchasing 05 Road Sweeping Machines and Tenders are being floated.	MCL	31.12.2023	Municipal Corporation Ludhiana already deployed 01 Mechanical Road sweeping machine and covered approx. 20-22 KM of road. For procurement of 04 nos. of Mechanical sweeping machines work has been allotted vide no 16/G33 dated 08.08.2023 and likely to be procured in the month of February, 2024.	The Chairman directed MC Ludhiana to expedite the process of procurement of mechanical road sweeping machines.
3	Waste Collection						
(i)	100% collection of solid waste	<ul style="list-style-type: none"> • MCL =93% achieved in MCL, gap 7% • Remaining Municipal Council = 90 % achieved 10 % Gap • Viilage Panchayats- Collection has started in 43 villages. 	<p>MCL: At Present Door to door collection is being done by Informal Sector with 2500 rickshaw Rehra.</p> <ul style="list-style-type: none"> • To strengthen the door to door collection MC Ludhiana is purchasing 350 Compartmentalized 	MCL and MCs	31.12.2023 (i)Procurement of Machinery to strengthen the Door to Door Collection and Source Segregation -31/10/2023 (ii) Deployment of machinery for Door to Door Collection- 31/12/2023 (i) Capacity Building of	<p>MCL = 93 %</p> <ul style="list-style-type: none"> • 350 E-rickshaws are procured and deployed in various wards to achieve the target. • To purchase the 200 Tippers 3.3 cum for dry and wet waste, 	The Chairman noted the progress and decided that all remaining MCs shall ensure 100 % compliance by 31.10.2023.

		For rest of villages Comprehensive Action Plan is being prepared.	<p>E- rehras, Work order issued to the company and Sample for E-rickshaw approved by Purchasing Committee.</p> <ul style="list-style-type: none"> • First lot of 50 E-rickshaw received and remaining e-rickshaws will be received within this month • 200 Tippers under SBM Funds. 		<p>Informal Sector and integration of Informal Sector -31/12/2023</p> <p>MCs Timeline: 30.09.2023</p>	<p>tenders has been floated on dated 26-07-2023 & pre-bid meeting has been done on dated 08-08-2023.</p> <p>All the machinery will be deployed till date 31-03-2024, to achieve the 100% target.</p> <p>Doraha = 100% Jagraon = 100% Khanna = 95 % Machhiwara = 100 % Maloudh = 100 % Mullanpur Dakha = 100 % Payal = 98 % Raikot = 98 % Sahnewal = 98 % Samrala = 97 %</p>	
(ii)	Arrangement for door to door collection	<ul style="list-style-type: none"> • Arrangement for D2D collection by MCL = 93 % D2D • MCL already deployed approx. 2080 Try cycle for door to door collection. Door to door collection is being done by Informal Sector. • Remaining Municipal Council = 90 % achieved 10 % Gap Required vehicles: 525, Available:400. Yet to be arranged: 125 	<p>MCL: At Present Door to door collection is being done by Informal Sector with 2080 rickshaw Rehra.</p> <ul style="list-style-type: none"> • For strengthening the door to door collection & segregation MC Ludhiana purchasing 350 Compartmentalized E-rehras. • 200 Tipper Under SBM Funds <p>MCs: Total no. compartmentalized vehicles required:</p>	MCL and MCs	Timeline 31.12.2023	<p>MCL = 93 %</p> <ul style="list-style-type: none"> • 350 E-rickshaws are procured and deployed in various wards to achieve the target. • To purchase the 200 Tippers 3.3 cum for dry and wet waste, tenders has been floated on dated 26-07-2023 & pre-bid meeting has been done on dated 08-08-2023. <p>All the machinery will be deployed till date 31-03-2024, to achieve the 100% target.</p>	The Chairman noted the progress and decided that all MCs shall ensure 100 % compliance by 31.10.2023.

			<ul style="list-style-type: none"> Tata ACE = 16, E-Rikshaw/rehra = 519, Tractor Trolleys = 37 and Tipper= 4. 				
		<ul style="list-style-type: none"> Arrangement for Villages Panchayats (941) = Not adequate 	Villages Panchayats (941) = <ul style="list-style-type: none"> Total no. compartment wise solid Waste Collection trolleys/rickshaws required = 2823 No. Available = Nil 	DDPO	Villages Panchayats (941) = Time target and for arranging Rickshaws/Trolleys- 31.12.2027 By 31.12.23= 129 By 30.06.24 = 210 By 31.12.24 = 210 By 30.06.25 =300 By 31.12.25 = 330 BY 30.06.26= 360 By 31.12.26 = 390 By 30.06.27= 420 By 31.12.27= 474	20 villages have been identified and 20 projects have started for them. The DDPO also mentioned that more than 200 projects have started in relation to SWM + LWM. After its completion, the villages will come under the ODF+ (Open Defecation Free+) Category under Swatch Bharat Mission.	The Chairman decided that DDPO to adhere with the time frame given in the action plan.
(iii)	Waste Collection trolleys with separate Compartments	<ul style="list-style-type: none"> MCL = Zero, Waste Collection is being done by Trucks & Tippers & Compactors. Remaining 10 ULBs = not adequate Total no. of compartmentalized vehicles available: Tata ACE = 11, E-rikshaw = 365, Tractor Trolleys = 23 and Tipper= 1.	MCL= Trolleys with separate compartments are not required.	MCL and ULBs	Timeline 31.12.2023	MCL: Trolleys with separate compartments are not required. Other ULBs: Same status.	The Chairman noted the progress.
		<ul style="list-style-type: none"> Villages Panchayats (941) = Not adequate 	Villages Panchayats (941) = Transport and waste transfer points are being arranged.	DDPO	Villages Panchayats (941) = <ul style="list-style-type: none"> Timeline to provide the transport and waste transfer points= 31.10.2027 BY 31.10.2023 =180 villages BY 31.10.2024 =190 villages BY 31.10.2025 =190 villages 	20 villages have been identified and 20 projects have started for them.	The Chairman decided that DDPO to adhere with the time frame given in the action plan.

					BY 31.10.2026 =190 Villages BY 31.10.2027 =190 Villages			
(iv)	Mini Collection Trucks with separate compartments	<ul style="list-style-type: none"> MCL = 200 Mini Tippers are required with separate compartments for collection of waste. Remaining 10 ULBs = Not adequate 	<p>MCL: At Present Door to door collection is being done by Informal Sector with 2080 rickshaw Rehra.</p> <ul style="list-style-type: none"> For strengthening the door to door collection & segregation MC Ludhiana purchasing 350 Compartmentalized E-rehras. 200 Tipper Under SBM Funds 	MCL and ULBs	Timeline 31.12.2023	<p>MCL =</p> <ul style="list-style-type: none"> 350 E-rickshaws are procured and deployed in various wards to achieve the target. To purchase the 200 Tippers 3.3 cum for dry and wet waste, tenders has been floated on dated 26-07-2023 & pre-bid meeting has been done on dated 08-08-2023. <p>All the machinery will be deployed till date 31-03-2024, to achieve the 100% target.</p> <p>ULBs: Same status</p>	The Chairman noted the progress and decided that all MCs shall ensure 100 % compliance by 31.10.2023.	
		<ul style="list-style-type: none"> Villages Panchayats (941) = Not adequate 	-	DDPO	<p>Villages Panchayats (941) =</p> <ul style="list-style-type: none"> Timelines = 31.10.2027 BY 31.10.2023 =180 villages BY 31.10.2024 =190 villages BY 31.10.2025 =190 villages BY 31.10.2026 =190 Villages BY 31.10.2027 =190 Villages 	Provisions for e-rickshaws have been done.	The Chairman decided that DDPO to adhere with the time frame given in the action plan.	
(v)	Waste Deposition centers (WDC) (for domestic hazardous wastes)							
i.	Municipal Corporation Ludhiana	Required = 37 Installed = 11	MC Ludhiana already installed 11 Bins at all Compactor Sites for Domestic hazardous waste and rest will be install once all the compactors are in operation.	MCL	31-12-2023	<p>MCL: MC Ludhiana already installed 11 Bins at all Compactor Sites for Domestic hazardous waste and rest will be install once all the compactors are in</p>	The Chairman directed MC Ludhiana to adhere the timelines of activity.	

						operation, which will be operational by 31-03-2024. Other ULBs: Same status	
II.	Nagar Council Doraha	Required = 1 Installed = 1	Planning to install bins for domestic hazardous waste at MRF sites and additional compartment with waste collection vehicle.	EO, Doraha	Activity Completed	Activity Completed	The Chairman decided to keep the compliance intact all the times.
III.	Nagar Council Jagraon	Required = 3 Installed = 3	Planning to install bins for domestic hazardous waste at MRF sites and additional compartment with waste collection vehicle.	EO, Jagraon	Activity Completed	Activity Completed	The Chairman decided to keep the compliance intact all the times.
IV.	Nagar Council Khanna	Required = 3 Installed = 3	Planning to install bins for domestic hazardous waste at MRF sites and additional compartment with waste collection vehicle.	EO, Khanna	Activity Completed	Activity Completed	The Chairman decided to keep the compliance intact all the times.
V.	Nagar Council Payal	Required = 1 Installed = 1	Planning to install bins for domestic hazardous waste at MRF sites and additional compartment with waste collection vehicle.	EO, Payal	Activity Completed	Activity Completed	The Chairman decided to keep the compliance intact all the times.
VI.	Nagar Council Raikot	Required = 1 Installed = 1	Planning to install bins for domestic hazardous waste at MRF sites and additional compartment with waste collection vehicle.	EO, Raikot	Activity Completed	Activity Completed	The Chairman decided to keep the compliance intact all the times.
VII.	Nagar Council Samrala	Required = 1 Installed = 1	Planning to install bins for domestic hazardous waste at MRF sites and additional compartment with waste collection vehicle.	EO, Samrala	Activity Completed	Activity Completed	The Chairman decided to keep the compliance intact all the times.
VIII.	Nagar Council Machhiwara	Required = 1 Installed = 1	Planning to install bins for domestic hazardous waste at MRF sites and additional compartment with waste collection vehicle.	EO, Machhiwara	Activity Completed	Activity Completed	The Chairman decided to keep the compliance intact all the times.
IX.	Nagar Council Mullanpur	Required = 1 Installed = 1	Planning to install bins for domestic hazardous waste at MRF sites and additional compartment with waste collection vehicle.	EO, Mullanpur	Activity Completed	Activity Completed	The Chairman decided to keep the compliance intact all the times.
X.	Nagar Council Sahnewal	Required = 1 Installed = 1	Planning to install bins for domestic hazardous waste at MRF sites and additional compartment with waste collection vehicle.	EO, Sahnewal	Activity Completed	Activity Completed	The Chairman decided to keep the compliance intact all the times.
XI.	Nagar Panchayat Maloud	Required = 1 Installed = 1	Planning to install bins for domestic hazardous waste at MRF sites and additional compartment with waste collection vehicle.	EO, Maloud	Activity Completed	Activity Completed	The Chairman decided to keep the compliance intact all the times.
XII.	Villages Panchayat (941)	Required=941 Installed=0	Presently, there is no proper mechanism for disposal of domestic hazardous waste in rural areas.	DDPO, XEN PR and XEN WSS-cum- District	Implementation = 31.12.27 By 31.12.23 = 20 villages	20 villages have been identified and 20 projects have started for them.	The Chairman decided that DDPO to adhere with the time frame given in the

			The plan for the same entails that the rickshaws that would be used for collecting the solid waste would be equipped with separate bin 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.	Sanitation Officer	By 30.06.24 = 60 villages By 31.12.24 =80 villages By 30.06.25 =100 villages By 31.12.25 = 110 villages By 30.06.26 = 120 villages By 31.12.26 = 140 villages By 30.06.27= 150 villages By 31.12.27= 161 villages		action plan.
4	Waste Transport						
(i)	Review existing infrastructure	(i) Presently in Municipal Corporation Ludhiana waste transportation is being done by M/s Alliance Waste Management Company by deploying 29 Tippers 09 JCB's and 02 Pocklane. It is a stop gap arrangement due to termination of contract with A2Z Waste Management Company. Existing fleet is Adequate in MCL. (ii) Existing segregated Waste transport is Possible in MCL and all MCs. To strengthen the waste transport process, the additional infrastructure	MCL= MC Ludhiana planning to install portable compactor transfer stations at 32 locations. All compactors and Hook Loaders will be operation and maintenance by the Supplier Bidder for 05 years. MCs: To further strengthen the door to door collection, MCs are purchasing 154 Compartmentalized E-rehras Rickshaws, 14 Tractor trolleys, 3 tippers	MC Ludhiana Other MCs	Activity Completed	MCL = Municipal Corporation Ludhiana already constructed 10 Portable Compactors transfer stations and deployed 39 compactors and 10 Hook Loaders. Work is allotted for 22 Portable Compactor Transfer Stations in August, 2023 for procurement of machinery and O&M for 05 years of 63 Portable Compactors and 26 Hook Loaders, which is likely to be completed and operational by 31-03-2024. Other ULBs: Same status	The Chairman decided to keep the compliance intact all the times.

		is also proposed.					
(ii)	Bulk Waste Trucks	Presently in Municipal Corporation Ludhiana waste transportation is being done by M/s Alliance Waste Management Company by deploying 29 Tippers 09 JCB's and 02 Pocklane. It is a stop gap arrangement due to termination of contract with A2Z Waste Management Company. Existing fleet is Adequate in MCL. Adequate in MCL and adequate in MCs. Additional requirement for strengthening infrastructure.	MCL= MC Ludhiana planning to install portable compactor transfer stations at 32 locations. All compactors and Hook Loaders will be operation and maintenance by the Supplier Bidder for 05 years. MCs: • Total no. compartment wise solid Waste Collection Tractor Trolleys/Tipper required: Tractor Trolleys = 37 and Tipper= 4. • Total no. compartment wise solid Waste Collection Tractor Trolleys/Tipper available: Tractor Trolleys = 23 and Tipper= 1.	MCL and all MCs	MCL = Activity Completed MCs = Activity Completed	MCL = Municipal Corporation Ludhiana already constructed 10 Portable Compactors transfer stations and deployed 39 compactors and 10 Hook Loaders. Work is allotted for 22 Portable Compactor Transfer Stations in August, 2023 for procurement of machinery and O&M for 05 years of 63 Portable Compactors and 26 Hook Loaders, which is likely to be completed and operational by 31-03-2024. Other ULBs: Activity Completed	The Chairman decided to keep the compliance intact all the times.
(iii)	Waste Transfer points	Presently in Municipal Corporation Ludhiana waste transportation is being done by M/s Alliance Waste Management Company by deploying 29 Tippers 09 JCB's and 02 Pocklane. It is a stop gap arrangement due to termination of contract with A2Z Waste Management Company.	MCL= MC Ludhiana planning to install portable compactor transfer stations at 32 locations. All compactors and Hook Loaders will be operation and maintenance by the Supplier Bidder for 05 years.	MCL and all MCs	MCL 31.12.2023 (i) Civil Work of Compactors are in Progress. 10 locations are completed (ii) Procurement of Machinery:- Tender floated Completion date :-31.12.2023	MCL = Municipal Corporation Ludhiana already constructed 10 Portable Compactors transfer stations and deployed 39 compactors and 10 Hook Loaders. Work is allotted for 22 Portable Compactor Transfer Stations in August, 2023 for procurement of machinery and O&M for	The Chairman directed MC Ludhiana to adhere the timelines of activity.

		Existing fleet is Adequate in MCL				05 years of 63 Portable Compactors and 26 Hook Loaders, which is likely to be completed and operational by 31-03-2024.		
5	Waste Treatment and Disposal							
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules).	MCL= 31 BWGs identified. MCs= 14 BWGs identified.	MCL: Bulk waste generators (31 identified) are directed to ensure compliance, out of which, 30 BWGs have made compliance and notice is issued to Mandi Board for Non Compliance. MCs: Bulk waste generators are directed to ensure compliance. All the 14 identified BWGs have made compliance.	MCL and all MCs	31.12.2023 Bulk Waste Generator will make the agreement with MCL/MCs by 31.12.2023 for the disposal of its dry waste.	Bulk waste generators (31 identified) are directed to ensure compliance, out of which, 30 BWGs have made compliance and notice is issued to Mandi Board for Non Compliance. Directions issued to all Bulk waste generators.	The Chairman decided to identify all bulk waste generators and directed that all the MCs to ensure that all the bulk waste generators are having agreement with concerned MCs for disposal of their dry waste by 31.10.2023.	
(ii)	Wet-waste Management: Facilities for central Bio-methanation/ Composting of wet waste.							
I.	Municipal Corporation Ludhiana	Yes, needs up-gradation	Due to termination of contract with M/s A2Z waste management Company LTD., Plant is not in operation. MC Ludhiana planning to float a new tender for collection and transportation and processing/ Bio-methanation / Composting of waste. E&Y Consultant is hired through NICSI to prepare the New	MCL	30-04-2026 i. DPR submission date: 30.09.2023 ii. RFP submission date: 30.10.2023 iii. Selection of bidder:28.02.2024 iv. Date of work start: 30.04.2024 v. Completion date: 30.04.2026	MCL:-Tender floated on dated 16.08.2023 for Wet Waste to Bio-CNG Plant of 200 TPD Capacity near Jamalpur site.	The Chairman directed MC Ludhiana to adhere the timelines of activity.	

			DPR/RFP for Integrated solid Waste Management Project.				
II.	Nagar Council Doraha	39 Compost pits provided. Functional and adequate	Not required	EO, Doraha	Composting Activity Completed	Activity Completed	The Chairman decided to keep all the compost pits operational and healthy conditions all the time.
III.	Nagar Council Jagraon	78 Compost pits provided. Functional and adequate	Not required	EO, Jagraon	Composting Activity Completed	Activity Completed	The Chairman decided to keep all the compost pits operational and healthy conditions all the time.
IV.	Nagar Council Khanna	121 Compost pit provided functional and Adequate	Not required	EO, Khanna	Composting Activity Completed	Activity Completed	The Chairman decided to keep all the compost pits operational and healthy conditions all the time.
V.	Nagar Council Payal	12 Compost pits provided. Functional and adequate	Not required	EO, Payal	Composting Activity Completed	Activity Completed	The Chairman decided to keep all the compost pits operational and healthy conditions all the time.
VI.	Nagar Council Raikot	44 Compost pits provided. Functional and adequate	Not required	EO, Raikot	Composting Activity Completed	Activity Completed	The Chairman decided to keep all the compost pits operational and healthy conditions all the time.
VII.	Nagar Council Samrala	30 Compost pits provided. Functional and adequate	Not required	EO, Samrala	Composting Activity Completed	Activity Completed	The Chairman decided to keep all the compost pits operational and healthy conditions all the time.
VIII.	Nagar Council Machhiwara	38 Compost pits provided. Functional and adequate	Not required	EO, Machhiwara	Composting Activity Completed	Activity Completed	The Chairman decided to keep all the compost pits operational and healthy conditions all the time.
IX.	Nagar Council Mullanpur	20 Compost pits provided. Functional and adequate	Not required	EO, Mullanpur	Composting Activity Completed	Activity Completed	The Chairman decided to keep all the compost pits operational and healthy conditions all the time.
X.	Nagar Council Sahnewal	34 Compost pits provided.	Not required	EO, Sahnewal	Composting Activity Completed	Activity Completed	The Chairman decided to keep all the compost pits

		Functional and adequate					operational and healthy conditions all the time.
XI.	Nagar Panchayat Maloud	11 Compost pits provided. Functional and adequate	Not required	EO, Maloud	Composting Activity Completed	Activity Completed	The Chairman decided to keep all the compost pits operational and healthy conditions all the time.
XII.	Villages Panchayat (941)	Not adequate	Compost pits have been made in 43 villages and work is undergoing in 29 villages.	DDPO, XEN PR and XEN WSS-cum- District Sanitation Officer	Implementation = 31.12.27 By 31.12.23= 72 villages By 30.06.24 = 80 villages By 31.12.24 =80 villages By 30.06.25 =90 villages By 31.12.25 = 100 villages BY 30.06.26= 110 villages By 31.12.26 = 120 villages By 30.06.27 = 140 villages By 31.12.27 = 149 villages	20 villages have been identified and 20 projects have started for them.	The Chairman decided that DDPO to adhere with the time frame given in the action plan.
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	<ul style="list-style-type: none"> • MCL= Need to set-up own Waste to Energy plant. • Remaining 10 ULBs = Provided 1 MRF in each ULB. 	Due to termination of contract with M/s A2Z waste management Company Limited Plant is not in operation.MC Ludhiana planning to float a new tender for collection and transportation of waste and processing of waste. Municipal Corporation Ludhiana planning to float tender for Waste to Energy for disposal of RDF. E&Y Consultant is hired through NCSI to prepare the New DPR/RFP for Integrated solid Waste Management Project.	MCL and MCs	MCL= 30-04-2026 i. DPR submission date: 30.09.2023 ii. RFP submission date: 30.10.2023 iii. Selection of bidder:28.02.2023 iv. Date of work start: 30.04.2024 Completion date: 30.04.2026 All the remaining 10 MCs will make the agreement with the authorized agencies by 30.09.2023 for the disposal of its plastic waste.	T The MCL is planning to Established a waste to energy plant as per the availability of Dry waste/ RDF Generated from MSW having capacity 800 ± 200 TPD with an integrated material recovery facility for dry waste of 25 to 35 % of the proposed capacity of the plant. DPR is under process.	The Chairman directed MC Ludhiana to adhere the timelines of action plan. The Chairman decided to ensure the agreement with the authorized agencies by 31.10.2023 for the disposal of its plastic waste.
		Villages Panchayat (941)	Action Plan is being prepared will be finalized	DDPO	Implementation = 31.12.27 By 31.12.23= 72 villages	20 villages have been identified and 20 projects	The Chairman decided that DDPO to adhere with the

			by 31.08.2022.		By 30.06.24 = 80 villages By 31.12.24 =80 villages By 30.06.25 =90 villages By 31.12.25 = 100 villages BY 30.06.26= 110 villages By 31.12.26 = 120 villages By 30.06.27= 140 villages By 31.12.27= 149 villages	have started for them.	time frame given in the action plan.
(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	Yes (ii) MCL = 1, Remaining 10 MCs = yet to Establish. (iii) Villages Panchayat = Yet to Established	MCL: Due to termination of contract with M/s A2Z waste management Company Limited Plant is not in operation.MC Ludhiana planning to float a new tender for collection and transportation of waste and processing of waste. Municipal Corporation Ludhiana planning to float tender for Waste to Energy for disposal of RDF. E&Y Consultant is hired through NICS I to prepare the New DPR/RFP for Integrated solid Waste Management Project. MCs:- Work under process will be completed by 31.03.2023. DDPO: Given the small amount of inert material that is likely to be generated in villages SLF seems to be practically not viable for every village. However, for disposal of	MCL, MCs and DDPO	MCL: Activity Completed Other 10 MCs Availability of site= 31.12.2023 Development of site= 31.03.2024 MCs shall made land available after remediation of existing dumpsite.	MCs: MCL has already Sanitary Landfill Site at Jamalpur, which will be operational once the plant for processing of waste will be operational. The MCL is planning to Established a waste to energy plant as per the availability of Dry waste/ RDF Generated from MSW having capacity 800 ± 200 TPD with an integrated material recovery facility for dry waste of 25 to 35 % of the proposed capacity of the plant. DPR is under process. 20 VILLAGES IN WHICH SOLID WASTE PROJECTS SWM ARE UNDER WAY. AN MRF FACILITY IS ALSO BEING SET-UP THERE.	<ul style="list-style-type: none"> The Chairman directed MC Ludhiana to adhere the timelines of activity. The DDPO shall submit its plan by 31.10.2023.

			inert waste, it will be used for earth filling purposes in construction works and other low lying areas.				
(v)	Remediation of historic / legacy dumpsite						
i.	Municipal Corporation Ludhiana	Existing legacy waste of quantity around 25 Lakh MT required remediation.	Municipal Corporation Ludhiana has assessed the quantity of waste lying dumped at legacy waste dump site and it was observed that about 25 lakh MT approximately of solid waste is lying dumped at the site. As a pilot project, it has been proposed to process 5 lakh MT of solid waste for which DPR was prepared and approved under Smart City Project for Rs 29.15 Cr.	MCL	<ul style="list-style-type: none"> • 5 Lac MT Solid legacy Waste will be disposed-off by 28.02.2025. • Remaining legacy waste will be disposed-off by 30.04.2026 	MCL: Work in Progress for bio remediation of legacy waste. Till date 2 Lac MT of legacy waste has been remediated. The Tender for remaining 25 Lac cum legacy waste is opened on dated 01, Sept, 2023 and Technical Evaluation is under Progress.	The Chairman directed MC Ludhiana to adhere the timelines of activity.
i.	Nagar Council Doraha	• Total legacy waste = 14000 MT Waste Remediated = 14000 MT	Remediated 100%	EO, Doraha	Activity Completed	-	The Chairman noted the progress.
ii.	Nagar Council Jagraon	• Total legacy waste = 11800 MT Waste Remediated = 11800	Remediated 100 %	EO, Jagraon	Activity Completed	-	The Chairman noted the progress.
iii.	Nagar Council Khanna	• Total legacy waste = 95000 MT Waste Remediated = 5000 MT	Remediation in progress by ULB at own level. ULB Tender in progress, estimates sent to state for vetting	EO, Khanna	31.12.2023	Same status	The Chairman decided that all the MC authorities to ensure 100 % compliance by 15.10.2023 by all means.
iv.	Nagar Council Payal	• Total legacy waste = 7937 MT Waste Remediated = 6350 MT	Remediation in progress by ULB at own level.	EO, Payal	31.12.2023	80 % remediated	The Chairman decided that all the MC authorities to ensure 100 % compliance by 15.10.2023 by all means.
v.	Nagar Council Raikot	• Total legacy waste =16000 MT Waste Remediated = 1150 MT	Remediation in progress by ULB at own level.	EO, Raikot	31.12.2023	7.18 % remediated	The Chairman decided that all the MC authorities to ensure 100 % compliance by 31.10.2023 by all means

vi.	Nagar Council Samrala	• Total legacy waste = 20000 MT Waste Remediated = 12000 MT	Remediation in progress by ULB at own level.	EO, Samrala	31.12.2023	60 % remediated	The Chairman decided that all the MC authorities to ensure 100 % compliance by 31.10.2023 by all means.
vii.	Nagar Council Machhiwara	• Total legacy waste = 31000 MT Waste Remediated = 14000 MT	Remediation in progress by ULB at own level. Cluster tender of 10 ULBs under consideration at directorate level.	EO, Machhiwara	31.12.2023	45.16 % remediated	The Chairman decided that all the MC authorities to ensure 100 % compliance by 31.10.2023 by all means.
viii.	Nagar Council Mullanpur	• Total legacy waste = 6500 MT Waste Remediated = 6200 MT	Remediation in progress by ULB at own level. Cluster tender of 10 ULBs under consideration at directorate level.	EO, Mullanpur	31.12.2023	95 % remediated	The Chairman decided that all the MC authorities to ensure 100 % compliance by 31.10.2023 by all means.
ix.	Nagar Council Sahnewal	• Total legacy waste = 6250 MT Waste Remediated = 6250 MT	100 % remediated	EO, Sahnewal	Activity Completed	100 % remediated	The Chairman noted the progress.
x.	Nagar Panchayat Maloud	• Total legacy waste = 5750 MT Waste Remediated = 50 MT	Remediation in progress by ULB at own level. Cluster tender of 10 ULBs under consideration at directorate level.	EO, Maloud	31.12.2023	0.8 % remediated	The Chairman decided that all the MC authorities to ensure 100 % compliance by 31.10.2023 by all means.
xi.	Villages Panchayat (941)	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 on cluster-based approach.	DDPO & XEN PR	Identification of sites will be done by 31.12.2023. Assessment of quantum of legacy waste will be done by 31.03.2024 Treatment of legacy waste will be done as is being done in urban areas by 31.12.2026.	LEGACY DUMPSIES WILL BE MOVED TO THE NEW MRF THAT IS BEING CREATED.	The Chairman decided that DDPO to ensure identification of sites by 31.10.2023 by all means.
xii.	Involvement of NGOs	Yes	NGOs shall be identified for the purpose.	MCL, All MCs, GLADA and DDPO	Regular Activity	Regular Activity	The Chairman directed MCL, All MCs, GLADA and DDPO to ensure the compliance by 31.10.2023 and report accordingly before the next meeting.
xiii.	EPR of	Linkage with Producers /	All the producer/brand owners	PPCB	31.12.2023	Aprox. 50% work has	The Chairman decided

	Producers: Linkage with Producers / Brand Owners	Brand Owners	are being directed to submit the action plan for the disposal of its plastic waste under extended producer responsibility, notices have been issued.			been completed.	that all the MC authorities to ensure 100 % compliance by 31.10.2023 by all means.
xiv.	Authorization of Waste Pickers	Yes/326	Available	MCL, All MCs, GLADA, and DDPO	Regular Activity	Regular Activity	The Chairman directed MCL, All MCs, GLADA and DDPO to ensure the compliance by 31.10.2023 and report accordingly before the next meeting.
xv.	Preparation of own by-laws to comply with SWM Rules 2016	MCL and All MCs Prepared. DDPO (for villages 941) - Not existing	MCL and All MCs Prepared. DDPO (for villages 941) yet to be prepared	MCL, All MCs and DDPO	MCL, All MCs = Activity Completed DDPO (for villages 941)= 31.12.2023	MCs: Activity Completed DDPO: No report received.	The compliance was noted. The Chairman directed DDPO to submit his compliance before the next meeting.
xvi.	Removal of garbage vulnerable points (GVPs)	No gap, as activity Completed	<u>Municipal corporation Ludhiana</u> All the 94 identified (GVPs) have been removed and have been converted into green belts. <u>Remaining 10 Municipal Council</u> All the identified (GVPs) have been removed by the all MCs.	All ULBs (Municipal Corporation, Municipal Council and Nagar Panchayat) of the district.	MCL:- Activity Completed MCL/MCs Beautification of all already cleared GVPs by 31.12.2023	MCL:- Activity Completed	The Chairman noted the compliance and directed all the MCs to ensure beautification of all GVPs by 31.10.2023 and submit report before the next meeting.
xvii.	Provision of green belt and boundary wall around solid waste dumping site.	<u>Municipal corporation Ludhiana</u> Boundary wall = 30% Pending. Green belt around Boundary wall = MC, Ludhiana started plantation around Jamalpur dump site. <u>Remaining 10 Municipal</u>	<u>Municipal corporation Ludhiana</u> 70% work of boundary wall is completed But due to remediation of legacy waste the boundary wall at several places around the dumpsite needs to be removed. Once the remediation of legacy waste will be completed the boundary wall and green belt around the dumpsite will be provided. <u>Remaining 10 Municipal Council.</u>	All ULBs (Municipal Corporation, Municipal Council and Nagar Panchayat) of the district.	Activity Completed	Activity completed.	The Chairman decided to keep the compliance intact all the times. He further directed that the green belt must be developed properly.

		<p>Council.</p> <p>Boundary wall under Construction = In 5 Mcs (Samrala, Machhiwara, Mullanpur Dakha, Jagraon and Doraha)</p>	<p>Boundary wall Completed = In 6 Mcs (Khanna, Payal, Sahnewal, Machiwara, Raikot and Mullanpur Dakha)</p> <p>Boundary wall under Construction = In 5 Mcs (Samrala, Machhiwara, Mullanpur Dakha, Jagraon and Doraha)</p> <p>Green belt around Boundary wall = to be Provided by Samrala, Maloud, Jagraon and Doraha.</p>				
xviii.	Providing compartments and GPS tracking in garbage carrying vehicles	<p>Municipal corporation Ludhiana</p> <p>Nil as activity completed</p> <p>Remaining 10 Municipal Council.</p> <p>Nil as activity completed</p>	<p>Municipal Corporation Ludhiana</p> <p>All the vehicles deployed for transportation of waste are provided with GPS tracking system.</p> <p>Remaining 10 Municipal Council.</p> <p>All the 35 mechanical Vehicles have been provided compartments with GPS.</p>	All ULBs (Municipal Corporation, Municipal Council and Nagar Panchayat) of the district.	<p>i. Municipal corporation Ludhiana</p> <p>Activity completed</p> <p>Remaining 10 Municipal Council.</p> <p>Activity completed</p>	Activity completed	The Chairman directed the MCs to keep the compliance intact all the times.
xix.	Stopping solid waste/ garbage being thrown into Buddha Nallah	Solid waste being thrown into Budha nallah	<ul style="list-style-type: none"> The DPR amounting to RS. 1342 Lakh for installation of chain link fencing (10 feet height) on both sides of budha nallah for a stretch of 14 KM within MC limits was prepared under smart city mission to stop the solid waste being thrown into Budha nallah. The work is in progress at site near radha swami satsang bhawan. Whole stretch of 	Municipal Corporation, Ludhiana	31-12-2023.	Chain-link fencing 80% completed	The Chairman noted the progress.

			Budhha Dariya has been divided into 24 parts and Nodal Officer have been deployed for each part. Regular inspections are being made and Challans are being issued to stop the Solid waste being thrown in budhaa Dariya.				
xx.	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	<p>MCL:- Due to termination of contract with M/s A2Z waste management Company Limited Plant is not in operation.MC Ludhiana planning to float a new tender for collection and transportation of waste and processing of waste. Municipal Corporation Ludhiana planning to float tender for Waste to Energy for disposal of RDF. E&Y Consultant is hired through NICSI to prepare the New DPR/RFP for Integrated solid Waste Management Project.</p> <p>Other 10 ULBs:-</p> <ul style="list-style-type: none"> Leachate management will be done after completion of Bio-remediation of legacy waste. 	MCL and MCs	<p>MCL:</p> <ul style="list-style-type: none"> Appointment of concessionaire by 31.12.2023 Treatment by 30-04-2026 DPR submission date: 31.12.2023 RFP submission date: 31.12.2023 Selection of bidder:28.02.2024 Date of work start: 30.04.2024 Completion date: 30.04.2026 <p>For other 10 ULBs:-</p> <ul style="list-style-type: none"> Bioremediation of Legacy waste = 31.12.2023 	<p>MCL: Work in Progress for bio remediation of legacy waste. Till date 2 Lac MT of legacy waste has been remediated. The Tender for remaining 25 Lac cum legacy waste is opened on dated 01, Sept, 2023 and Technical Evaluation is under Progress. The Treatment of leachate generated is in scope of concessionaire.</p>	<p>The Chairman directed MC Ludhiana to adhere the timelines of activity.</p> <p>The other MCs shall ensure 100 % compliance for Bioremediation of Legacy waste and Bioremediation of Legacy waste by 31.10.2023 by all means.</p>
xxi.	Best practices, including setting up of Control Rooms where citizens can	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.	MCL and MCs	Already in place	Activity completed	The Chairman noted the compliance.

	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)						
xxii.	CCTV cameras be installed at dumping sites. (Directions of Hon'ble NGT in OA no. 606 of 2018 dated 22.07.2019, 28.02.2019, 14.12.2020)	CCTV cameras not installed at dump site of MCs Sahnewal, Maloud, Payal, Jagraon, Mullanpur Dakha. Total 10 cameras installed in all ULB and 18 more cameras will be installed in MCs.	MCL:- Installed For other ULBs:- Installed	MCL and MCs	MCL:- Installed For other ULBs: Installed	Activity completed	The Chairman noted the compliance.
xxiii.	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 MCL Machhiwara, Doraha, Samrala, Khanna and Rest of ULBs are yet to be installed.	MCL:- Installed Department of Urban Development (for other ULBs):- Installed	MCL and MCs	MCL:- Installed Other 10 MCs:- Activity Completed	Activity completed	The Chairman noted the compliance.
xxiv.	Carcass should be	MCL= Installed, no gap	MCL has installed the Carcass	MCL and MCs	MCL :-Completed	Same Status	The Chairman noted the

	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	Other 10 MCs = All 10 ULBs have planned to tie-up with Municipal corporation Ludhiana for scientific disposal of animal carcasses.	Utilization Plant at village Noorpur Bet (Hambran Road), Dist. Ludhiana. Other 10 MCs :- Process of tie-up in progress.		Other 10 MCs/DDPO :- <ul style="list-style-type: none"> • Provision of boundary wall green belt/plantation around carcass site by 31.12.2023 • Process of tie-up with MCL for disposal of carcass waste by 30.06.2024 • If not tie up then installation of carcass plant by 30.09.2024 		compliance. He further directed to make the carcass plant operational immediately. The Chairman decided that MCs to make agreement with MCL for disposal of Caracas at Caracas Utilization Plant at village Noorpur Bet (Hambran Road), Dist. Ludhiana at the earliest.
xxv.	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 gap	Carcass disposal will be ensured under the supervision of veterinary doctors.	MCL	Regular activity	Regular activity	The Chairman directed to ensure the compliance all the time.
xxvi.	Management of waste water and solid waste by the unauthorized colonies/residential complex/comm	Inadequate management of solid waste and liquid waste in these colonies.	The team has checked so far 229 such colonies. The work is huge and different department are involved for joint inspection. Hence, time is required upto 30.10.2022 to complete the identification work.	GLADA / MCL/ MCs	MC (Within Municipal Limits) <ul style="list-style-type: none"> • Identification by 31.12.2023 • Management of solid waste collection & segregation = 30.06.2024 	-	The Chairman directed GLADA and MCL as well as PPCB to take action against the unauthorized colonies and complete the action as per timelines mentioned in the action plan. They will submit the action taken

	ercial complex developed by Pvt. Colonizers.				<ul style="list-style-type: none"> • Provision of STPs= 30.09.2024 GLADA/DDPO (Outside MC limit) • Identification by 31.12.2023 • Management of solid waste collection & segregation = 30.06.2024 • Provision of STPs= 30.09.2024 		report before the next meeting.
xxvii.	To prepare proposal / scheme for management of solid waste in the villages either in cluster form or independently in individual villages	Inadequate Management of solid waste in the villages.	Plan for SWM (independently in individual villages) has already been prepared and explained above.	DDPO	<p>Implementation = 31.12.27</p> <p>By 31.12.23= 72 villages</p> <p>By 30.06.24 = 80 villages</p> <p>By 31.12.24 =80 villages</p> <p>By 30.06.25 =90 villages</p> <p>By 31.12.25 = 100 villages</p> <p>BY 30.06.26= 110 villages</p> <p>By 31.12.26 = 120 villages</p> <p>By 30.06.27= 140 villages</p> <p>By 31.12.27= 149 villages</p>	20 villages have been identified and 20 projects have started for them.	The Chairman decided that DDPO to adhere with the time frame given in the action plan.
xxviii.	Information Education and Communication (IEC) activities in respectof solid waste.	No gap	The IEC activities in this regard are already being done by the concerned departments. Promoters and Residents are informed when the joint team visits their colonies and they are encouraged to follow the solid and liquid waste management rules.	All ULBs & GLADA	Regular Activity	Regular activity	The Chairman decided that all the ULBs and GLADA to continue doing IEC activities in their respective jurisdiction. They will submit action taken report before the next meeting.
xxix.	Constitution of District Environment	No gap	Constituted by the State Government.	State Government	Activity completed	Activity completed	The compliance was noted.

	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.						
xxx.	Management of carcass in rural area	Inadequate management of carcass in rural area.	A. No. of carcasses existing = 504 B. No. of carcass provided liquid waste management = NIL	DDPO	Preparation of plan: 31.12.2023 Implementation by 31.10.2025	-PROVISIONS OF HADDARODI IS THERE IN MAJORITY OF VILLAGES.	It was decided that DDPO to submit the plan for management of Carcas in rural area by 31.10.2023 by all means.
xxxi.	Dry-Waste Management: Material Recovery for dry-waste fraction (RDF)	Partial management of dry waste	Due to termination of contract with M/s A2Z waste management Company Limited Plant is not in operation.MC Ludhiana planning to float a new tender for collection and transportation of waste and processing of waste. Municipal Corporation Ludhiana planning to float tender for Waste to Energy for disposal of RDF. E&Y Consultant is hired through NICSI to prepare the New DPR/RFP for Integrated solid Waste Management Project.	MCL	MCL = 30.04.2026 <ul style="list-style-type: none"> DPR submission date: 31.12.2023 RFP submission date: 31.12.2023 Selection of bidder:28.02.2024 Date of work start: 30.04.2024 Completion date: 30.04.2026 Remaining 10 ULBs = Provided 1 MRF in each ULB. 	MCs:- MCL has already Sanitary Landfill Site at jamalpur, which will be operational once the plant for processing of waste will be operational. The MCL is planning to Established a waste to energy plant as per the availability of Dry waste/ RDF Generated from MSW having capacity 800 ± 200 TPD with an integrated material recovery facility for dry waste of 25 to 35 % of the proposed capacity of the plant. DPR is under process.	The Chairman directed MC Ludhiana to adhere the timelines of activity.

xxxii.	Solid waste management by MCL i. MCL shall construct compost pits of adequate capacity to treat whole of the wet waste generated by Municipal Corporation, Ludhiana and the timelines for the same may be mentioned in the District Environmental Plan, Ludhiana.	Inadequate management of wet waste	Treatment/Processing of Whole of the wet waste was in scope of M/s A2Z Waste Management Ludhiana. As per SOP notified by PMIDC on Dated 02-06-2021 , 12 Pits (size 3 meter length x 1.5 meter breadth x 1 meter height)is required to process approximately 1 metric ton of waste daily. So, Municipal Corporation Ludhiana is required approximately more than 7000 Pits to process the 500-600 TPD of wet waste. Due to local resistance for Decentralized approach, Municipal Corporation Ludhiana planning to float a new tender for set up of centralized processing facilities for wet waste. E&Y Consultant is hired through NICSI to prepare the New DPR/RFP for Integrated solid Waste Management Project. Budgetary Provision CAPEX will born by Centre and State or PPP model and O&M will be borne by Municipal Corporation Ludhiana.	MCL	MCL: 30-04-2026 • DPR submission date: 31.12.2023 • RFP submission date: 30.06.2024 • Selection of bidder:31.12.2024 • Date of work start: 31.03.2025 • Completion date: 30.09.2025	MCs:- MCL has already Sanitary Landfill Site at jamalpur, which will be operational once the plant for processing of waste will be operational. The MCL is planning to Established a waste to energy plant as per the availability of Dry waste/ RDF Generated from MSW having capacity 800 ± 200 TPD with an integrated material recovery facility for dry waste of 25 to 35 % of the proposed capacity of the plant. DPR is under process. MCL:-Tender floated on dated 16.08.2023 for Wet Waste to Bio-CNG Plant of 200 TPD Capacity near Jamalpur site.	The Chairman decided that MCL and other ULBs shall submit DPR and RFP by 31.10.2023 by all means.
	ii. Dry Waste generated by the Municipal Corporation, Ludhiana may be treated/ managed at the	Inadequate management of dry waste.	Treatment/Processing of Whole of the Dry waste was in scope of M/s A2Z Waste Management Ludhiana. Due to Termination of contract with M/s A2Z Waste Management Ludhiana, Municipal	MCL and ULBs	MCL: 30-04-2026 • DPR submission date: 30.09.2023 • RFP submission date: 30.10.2023 • Selection of	MCs:- MCL has already Sanitary Landfill Site at jamalpur, which will be operational once the plant for processing of waste will be operational. The MCL is	The Chairman decided that MCL and other ULBs shall submit DPR and RFP by 31.10.2023 by all means.

	material recovery facilities.		Corporation Ludhiana Planning to float a new tender for centralized processing facilities/Material recovery facilities for dry waste. E&Y Consultant is hired through NICSI to prepare the New DPR/RFP for Integrated solid Waste Management Project.		bidder:28.02.2024 <ul style="list-style-type: none"> • Date of work start: 30.04.2024 • Completion date: 30.04.2026 	planning to Established a waste to energy plant as per the availability of Dry waste/ RDF Generated from MSW having capacity 800 ± 200 TPD with an integrated material recovery facility for dry waste of 25 to 35 % of the proposed capacity of the plant. DPR is under process.	
	iii. Municipal Corporation, Ludhiana shall make the solid waste processing plant in operation on priority basis and in a time bound manner.		Treatment/Processing of Whole of the waste was in scope of M/s A2Z Waste Management Ludhiana. Due to Termination of contract with M/s A2Z Waste Management Ludhiana, Municipal Corporation Ludhiana Planning to float a new tender for Solid Waste Management Processing facilities. E&Y Consultant is hired through NICSI to prepare the New DPR/RFP for Integrated solid Waste Management Project.	MCL	Time line 30.04.2026 <ul style="list-style-type: none"> • DPR submission date: 30.09.2023 • RFP submission date: 30.10.2023 • Selection of bidder:28.02.2024 • Date of work start: 30.04.2024 • Completion date: 30.04.2026 	MCs:- MCL has already Sanitary Landfill Site at Jamalpur, which will be operational once the plant for processing of waste will be operational. The MCL is planning to Established a waste to energy plant as per the availability of Dry waste/ RDF Generated from MSW having capacity 800 ± 200 TPD with an integrated material recovery facility for dry waste of 25 to 35 % of the proposed capacity of the plant. DPR is under process. MCL- Tender floated on dated 16.08.2023 for Wet Waste to Bio-CNG Plant of 200 TPD Capacity near Jamalpur site.	The Chairman decided that MCL and other ULBs shall submit DPR and RFP by 31.10.2023 by all means.

xxxiii.	Management of Horticulture Waste in MCs.	• MCL = 570 Compost pits/Jalli constructed out of 922 Parks/Green belt Remaining 10 ULBs = 40 pits at 37 sites and adequate.	MCL = work is in progress. Other 10 MCs =Completed	MCL	MCL= 31-12-2023	MCL is already constructed 570 compost pits/ Jallis to manage the Horticulture waste in all parks.	The Chairman decided that all the MC authorities to ensure 100 % compliance by 31.10.2023 by all means and shall submit progress report before the next meeting.
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(ii) Plastic waste Management

(a) Current status related to Plastic waste management

Sr. No.	Urban Local bodies	Estimated quantity of Plastic Waste Generated MT/per day
1.	Municipal corporation, Ludhiana	82
2.	Nagar Council Doraha	2
3.	Nagar Council Jagraon	0.2
4.	Nagar Council Khanna	5
5.	Nagar Council Payal	0.02
6.	Nagar Council Raikot	2
7.	Nagar Council Samrala	1
8.	Nagar Council Machhiwara	2
9.	Nagar Council Mullanpur	1
10.	Nagar Council Sahnewal	0.5
11.	Nagar Panchayat Maloud	0.02
	Total	95.74

(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	Status as on 19.07.2023	Decision taken during the meeting.
1.	Door to Door collection of dry waste including Plastic waste	<ul style="list-style-type: none"> MCL = Partial collection (93%). Other 10 ULBs = 90% collection. Villages Panchayat (941) Collection is being done in 43 villages and the work is undergoing in 29 villages for door to door collection. For rest of villages a Comprehensive Action Plan is being prepared for collection of PW. 	<p>MCL: At Present Door to door collection is being done by Informal Sector, to strengthen the door to door collection & segregation MC Ludhiana purchasing 350 Compartmentalized E-rehras. Work order issued to the company and Sample for E-rickshaw approved by Purchasing Committee. First lot of 20 E-rickshaw received and remaining will be received before 15 July 2022. 200 Tipper Under SBM Funds.</p> <p>MCs: <ul style="list-style-type: none"> Total no. compartment wise solid Waste Collection Trolleys/rikshaws required = Tata ACE = 16, E-rikshaw/rehra = 469, Tractor Trolleys = 36 and Tipper= 4. Total no. compartment wise solid Waste Collection Trolleys/rikshaws available = Tata ACE = 11 , </p>	MCL & DDPO	<p>MCL:- 31.12.2023 (i) Procurement of Machinery to strengthen the Door to Door Collection and Source Segregation - 31/10/2023 (ii) Deployment of machinery for Door to Door Collection- 31/12/2023 (iii) Capacity Building of Informal Sector and integration of Informal Sector -31/12/2023</p> <p>Other 10 MCs:- 31.12.2023</p> <p>DDPO:- Implementation = 31.12.27 By 31.12.23 = 72 villages By 30.06.24 = 80 villages By 31.12.24 = 80 villages By 30.06.25 = 90 villages</p>	<p>MCL = 93 %</p> <ul style="list-style-type: none"> 350 E-rickshaws are procured and deployed in various wards to achieve the target. To purchase the 200 Tippers 3.3 cum for dry and wet waste, tenders has been floated on dated 26-07-2023 & pre-bid meeting has been done on dated 08-08-2023. All the machinery will be deployed till date 31-03-2024, to achieve the 100% target. 20 villages have been identified and 20 projects have started for them. 	The Chairman directed MC Ludhiana to adhere the timelines of activity.

			<p>E-rikshaw = 365, Tractor Trolleys = 23 and Tipper= 1.</p> <p>Village Panchayats (941)- At present door to door collection of plastic waste is being done in 43 villages.</p> <ul style="list-style-type: none"> It is planned that the collection mechanism for SWM would be deployed for plastic waste collection as well. 		<p>By 31.12.25 = 100 villages BY 30.06.26= 110 villages By 31.12.26 = 120 villages By 30.06.27= 140 villages By 31.12.27= 149 villages</p>		
2.	Facilitate organized collection of plastic Waste at Waste transfer point or Material Recovery Facility	<ul style="list-style-type: none"> MCL = partial Collection and final disposal of plastic bags/waste. Other 10 ULBs = 100% Collection and MRF facility provided. Villages panchayats (941) = partial collection. 	<ul style="list-style-type: none"> Waste to energy plant is being setup in District Ludhiana by MCL. Ban will be proposed on single use plastic as per the guidelines of the Centre and State Government. NGOs are involved for awareness to avoid plastic use. Registration is being done for waste pickers. <p>Village Panchayats (941)- SWM structures will be constructed in GPs which are to be used as plastic collection centers as well.</p>	MCL & DDPO	<p>MCL: 30-04-2026</p> <ul style="list-style-type: none"> DPR submission date: 30.09.2023 RFP submission date: 30.10.2023 Selection of bidder: 28.02.2024 Date of work start: 30.04.2024 Completion date: 30.04.2026 <p>DDPO= Implementation = 31.12.27 By 31.12.23= 72 villages By 30.06.24 = 80 villages By 31.12.24 = 80 villages By 30.06.25 = 90 villages</p>	<p>MCL Established 19 RRRs Centers and 11 MRFs for organize the Collection of Plastic Waste at Waste Transfer Stations.</p> <p>MCs:- MCL has already Sanitary Landfill Site at Jamalpur, which will be operational once the plant for processing of waste will be operational. The MCL is planning to Established a waste to energy plant as per the availability of Dry waste/ RDF Generated from MSW having capacity 800 ± 200 TPD with an integrated material recovery facility for dry waste of 25 to 35 % of the proposed capacity of the plant. DPR is under process. The plastic waste management will start once the already started projects will finish.</p>	<p>The chairman decided that MCL and other ULBs shall submit DPR and RFP by 31.10.2023 by all means.</p> <p>The Chairman decided that DDPO to adhere with the time frame given in the action plan.</p>

					By 31.12.25 = 100 villages BY 30.06.26= 110 villages By 31.12.26 = 120 villages By 30.06.27= 140 villages By 31.12.27 = 149 villages		
3.	Plastic Waste collection Centers	Provision of proper Plastic Waste collection Centers	<ul style="list-style-type: none"> MCL = Total required 18 MRFs, out of which 11 MRFs Constructed and rest is in Progress. Other 10 MCs = 1MRF in each ULB and adequate 	MCL and MCs	MCL=31-12-2023	<p>MCL Established 19 RRRs Centres and 11 MRFs for organize the Collection of Plastic Waste at Waste Transfer Stations.</p> <p>MCs:- MCL has already Sanitary Landfill Site at jamalpur, which will be operational once the plant for processing of waste will be operational. The MCL is planning to Established a waste to energy plant as per the availability of Dry waste/ RDF Generated from MSW having capacity 800 ± 200 TPD with an integrated material recovery facility for dry waste of 25 to 35 % of the proposed capacity of the plant. DPR is under process.</p>	The Chairman decided that all the MC authorities to ensure 100 % compliance by 31.10.2023 by all means.
4.	Awareness and education programs implementation	No gap	Awareness among public for minimizing and recycling PW is being done on regular basis	MCL and MCs	Regular activity. One camp is organized quarterly.	Regular activity.	The Chairman decided that MCL and all the ULBs to regularly conduct awareness among public for minimizing and recycling Plastic waste.
5.	Access to Plastic Waste Disposal Facilities	Inadequate Plastic Waste Disposal Facilities	MCL Municipal Corporation Ludhiana planning to	MCL and MCs	MCL: 30-04-2026 <ul style="list-style-type: none"> DPR submission 	MCs:- MCL has already Sanitary Landfill Site at jamalpur, which will be operational once the plant for processing of waste will be	The chairman decided that MCL and other ULBs shall submit DPR and RFP by 31.10.2023 by all means.

			float tender for Waste to Energy Plant MCs 6 ULBs (Machhiwara, Maloud, Samrala, Khanna, Mullanpur Dakha, Doraha) have made an agreement with M/s Max Specialty Films Pvt. Ltd. For disposal of its plastic waste. The rest of ULBs will sign agreement by 31.08.2022.		<ul style="list-style-type: none"> date: 30.09.2023 RFP submission date: 30.10.2023 Selection of bidder: 28.02.2024 Date of work start: 30.04.2024 Completion date: 30.04.2026 Other 10 MCs= 31.12.2023	operational. The MCL is planning to Established a waste to energy plant as per the availability of Dry waste/ RDF Generated from MSW having capacity 800 ± 200 TPD with an integrated material recovery facility for dry waste of 25 to 35 % of the proposed capacity of the plant. DPR is under process.	
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)	Regular Activity	<ul style="list-style-type: none"> Total no. of plastic unit required registration = 187 Total no. of plastic unit obtained registration = 122 	PPCB	Timeline for registration of the remaining units: 31.12.2023	Regular Activity	The Chairman decided that PPCB to complete the registration of remaining plastic unit within the timeline mentioned in the action plan i.e. by 31.10.2023.
7.	Development and setting up of infrastructure for segregation, collection, storage, transportation, Processing, and disposal of Plastic Waste either on its own for by engaging agencies or producers. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Inadequate disposal arrangement of plastic waste	MCL:- Earlier, the disposal of plastic waste with RDF was in scope of M/s A2Z Waste Management Ludhiana. Due to Termination of contract with M/s A2Z Waste Management Ludhiana, Municipal Corporation Ludhiana Planning to float a new tender for Solid Waste Management. E&Y	All Local bodies & DDPO	MCL: 30-04-2026 <ul style="list-style-type: none"> DPR submission date: 30.09.2023 RFP submission date: 30.10.2023 Selection of bidder: 28.02.2024 Date of work start: 30.04.2024 Completion date: 30.04.2026 	MCL Established 19 RRRs Centres and 11 MRFs for organize the Collection of Plastic Waste at Waste Transfer Stations. MCs:- MCL has already Sanitary Landfill Site at jamalpur, which will be operational once the plant for processing of waste will be operational. The MCL is planning to Established a waste to energy plant as per the availability of Dry waste/ RDF Generated from MSW having capacity 800 ± 200 TPD with an integrated material recovery facility	The chairman decided that MCL and other ULBs, DDPO shall submit DPR and RFP by 31.10.2023 by all means.

			<p>Consultant is hired through NICS I to prepare the New DPR/RFP for Integrated solid Waste Management Project.</p> <p>Other MCs:- Recyclable plastic waste is collected, transported and stored separately by all ULBs. Currently such plastic is being stored at MRF. Contract For channelization/ processing of both recyclable and non-recyclable plastic have been done with Max Specialty Films Pvt. Ltd. By 10 ULBs.</p> <p>Village Panchayats- Comprehensive Action Plan is being prepared.</p>		<p>Other MCs:- 31.12.2023 for rest of the ULBs.</p> <p>DDPO- Comprehensive Action Plan will be prepared by 31.12.2023</p>	<p>for dry waste of 25 to 35 % of the proposed capacity of the plant. DPR is under process. Such infrastructure is being developed in all the Solid Waste Management (SWM) projects.</p>	
8.	Framing of bye-laws incorporating the provisions of Plastic Waste Management Rules, 2016. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Yet to frame in rural area	<p>MCL and all MCs = already framed</p> <p>Rural Panchayats (941) = yet to prepared</p> <p>Village Panchayats (941) = The compliance of PWM Rules, 2016 will be ensured by executive orders. Directions will be issued to all the GPs accordingly and the same would be incorporated by the Panchayats vide</p>	MCL, MCs and DDPO	Activity Completed except DDPO and it will be completed by 31.12.2023	-----	The Chairman decided that DDPO shall ensure the compliance by 31.10.2023 by all means.

			Resolutions.				
9.	Set up, operationalize and co-ordinate for Plastic Waste management in Ruler area. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Inadequate Plastic Waste management in Ruler area.	Comprehensive Action Plan is being prepared	DDPO	Comprehensive Action Plan will be prepared by 31.12.2023.	Such infrastructure is being developed in all the Solid Waste Management (SWM) projects.	The Chairman decided that DDPO shall ensure preparation and submission of action plan by 31.10.2023 by all means.
10	Ban on non-recyclable single use polythene bags. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Ban on non-recyclable single use polythene bags	Ban has been already imposed by the State Govt., on sale, purchase, manufacturing and stock of plastic carry bags. The Ministry of Environment, forest And Climate change vide its notification dated 12.08.2021 has banned Single use plastic with effect from 1.07.2022. Further, the guidelines of the Centre and State Govt., regarding banning of single use plastic will be complied with.	ALL Local bodies/PPCB	Ban has been already imposed	Regular activity	The Chairman decided that all the ULBs to continue awareness activities and issuance of Challans in future also and shall submit progress report before every meeting of DEC. PPCB shall also submit its report.
11	Segregation, collection, storage, transportation of plastic waste and channelizing of recyclable plastic waste fraction to recycler having valid registration. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)	Arrangement for plastic waste disposal.	MCL:- Collection and segregation of recyclable plastic waste is already done total 11 MRFs Constructed out of 18 and rest is in Progress. The agreement will be signed with the authorized agency for the recycling of the plastic waste. Department of Urban Development (for other	All Local bodies & DDPO	MCL:- <ul style="list-style-type: none"> 31.12.2023 for signing the arrangement with authorized agency. 31-12-2023 for establishment of the remaining MRF. Department of Urban Development (for	MCL Established 19 RRRs Centres and 11 MRFs for organize the Collection of Plastic Waste at Waste Transfer Stations. MCL :- The Work of Preparation of DPR for Waste to energy is in Under Progress by E&Y Consultants.	The Chairman decided that all the MC authorities to ensure 100 % compliance by 31.10.2023 by all means.

			<p>ULBs):- Recyclable plastic waste is collected, transported and stored separately by all ULBs. Currently such plastic is being stored at MRF. Contract For channelization/ processing have been done with Max Specialty Films Pvt. Ltd. By all 10 ULBs</p> <p>DDPO:- Comprehensive Action Plan is being prepared.</p>		<p>other ULBs): 31.12.2023</p> <p>DDPO:- Comprehensive Action Plan will be prepared by 31.12.2023.</p>		The Chairman decided that DDPO shall ensure preparation and submission of action plan by 31.10.2023 by all means.
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)	Regular Activity	Awareness is being carried out on regular basis. Camps are being organized on quarterly basis.	Local bodies & DDPO	Regular activity	Awareness is being created in the villages.	The Chairman decided that all the Local Bodies to continue the awareness activities and submit progress report well before the next meeting. The DDPO shall also submit his report accordingly.
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)	Regular Activity	Already being followed and seminars are being organized.	DEO primary and secondary	Regular activity	-	The compliance was noted. He asked DEOs to submit progress before the next meeting.
14	Directions to Gram Panchayat to perform functions such as ensuring segregation,	Disposal of plastic waste in villages.	Instruction have already been given to Gram Panchayat Through BDPO's	DDPO	DDPO:- 31.12.2023 For preparation of Action Plan	All the Gram Panchayats (GP's) are being motivated to startup Solid Waste Management (SWM) projects in their villages.	The Chairman decided that DDPO to adhere with the time frame given in the action plan and submit the action plan by

	collection, storage, transportation, plastic waste and channelization of recyclable plastic waste fraction to recyclers having valid registration. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)				31.08.2028 For Implementation 130 villages by 31.8.2024 195 villages by 31.8.2025 208 villages by 31.8.2026 208 villages by 31.8.2027 200 villages by 31.8.2028		31.10.2023 by all means.
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)	Regular Activity	All stakeholders are being made aware regarding their responsibility. It is being ensured that open burning of plastic waste does not take place. Violators are challaned regularly.	All local bodies	Regular activity	Regular activity.	The compliance was noted. It was asked to submit progress before the next meeting.
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 are given to the industries to explore such activities through research institutes. After the reporting of industries Action Plan will be prepared.	MCL, MCs and PWD, DDPO	31.12.2023	MCL:- Municipal Corporation Ludhiana laying road in ward no 94 by using plastic waste approximately used 430 KG Waste for road making. Solid Waste Management (SWM) projects are in their preliminary phase in villages and quantum of plastic waste collected per village is quite less. In future, such possibilities shall be explored.	The Chairman decided that MCL, MCs, DDPO and PWD to do the needful for completion of activity within the timeline mentioned in the action plan i.e. 31.12.2023 and shall submit report before the next meeting.

(iii) C&D Waste Management

(a) Current status related to C&D Waste

Details of Data Requirement	Present Status
Total C & D waste generation in MT per day (As per data from Municipal Corporations / Municipalities)	120 MT
Does the District has access to C&D waste recycling facility?	No, one new recycling facility is proposed in Ludhiana and shall be completed by 31.10.2024

(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	Present Status	Decision taken during the meeting.
1.	Arrangement for separate collection of C&D waste to C&D waste deposition point.	<p>No Gap</p> <ul style="list-style-type: none"> MCL = Total 6 Separate collection sites provided against 06 required sites. Other 10 ULBs = Separate collection site provided in each ULB and adequate. 	Not required	MCL and MCs	Activity Completed	Activity Completed	The compliance was noted
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	No gap. As per Solid Waste Management Cleanliness and Sanitation Bye laws Dated 11.08.20 Notification no 5/105/2020- 2lg4/139(A) MC Ludhiana fixed user fee on C& D waste which is Rs 500 per ton and will put up the proposal regarding permission system for bulk waste generators in next	Proposal regarding permission system for bulk waste generators in next house meeting for approval.	MCL and MCs	30.09.2023	-	The Chairman directed MCL and MCs to submit compliance before the next meeting.

	day or 300 tons per project in a month?	house meeting for approval.					
3.	C&D recycling Facility	Presently there is no C&D recycling Facility in the District.	MCL has proposed to install one recycling facility of 100 TPD. The Work of the construction of C&D plant stands allotted and the work is in progress at site. The total cost of civil Works stands at Rs 2.69 Cr. The LoA of the Mechanical part has also been issued for an amount of Rs 4.40 Cr. Site Clearance Completed. The Work of construction is started and the Completion date of Plant is 31.10.2023.	MCL	MCL= Installation of recycling facility by 31.10.2024	MCL has proposed to install one recycling facility of 100 TPD. The Work of the construction of C&D plant stands allotted and the work is in progress at site. The total cost of civil Works stands at Rs 2.69 Cr. The LoA of the Mechanical part has also been issued for an amount of Rs 4.40 Cr. Site Clearance Completed. The Work of construction is started and the Completion date of Plant is 31.10.2024.	The Chairman directed MC Ludhiana to adhere the timelines of activity.
4.	Usage of recycled C&D waste in non- structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	No. of recycling facility required = 1 No. of recycling facility provided = 0 Provision			Other 10 MCs:- • Recycling facility along with grinding machinery by 31.03.2024 • Use of C&D in paving blocks, lower area, rural roads etc. by 30.04.2024	-	The Chairman directed MC Ludhiana to adhere the timelines of activity.
5.	ICE on C & D waste management	Regular Activity	Awareness is being done through media, NGOs & Radio on quarterly basis.	MCL	Regular Activity. One camp is organized quarterly ULBs wise.	Regular Activity	The chairman directed Municipal Corporation, Ludhiana to educate people on C&D waste management.

(iv) Bio medical Waste Management

(a) Current Status related to biomedical waste

Inventory of BMW in the District	Quantity	Decision taken in the meeting
Total no. of Bedded Healthcare Facilities	589	-
Total no. of non-bedded HCF	822	
No. of HCFs authorized by SPCBs/PCCs	1388	
Total No. of veterinary Hospitals/Dispensaries in the District Ludhiana	252	
Total No. of veterinary Hospitals/Dispensaries connected with Common Biomedical treatment facility (CBWTF).	15-Hospitals directly connected with CBWTF. 237-Hospitals/Dispensaries connected via nearest block level institutions	
Total no. of veterinary Hospitals/ Dispensaries obtained the authorization of Punjab pollution Control Board	237	
Total No. of veterinary Hospitals/Dispensaries adopted segregation of BMW through separate colour coded collections bins.	237	
Total no. of veterinary Hospitals/Dispensaries complying with BMW Rules, 2016 and Maintaining record of Biomedical waste generation and its disposal to CBWTF.	237	
No. of Common Biomedical Waste Treatment and Disposal Facilities (CBWTFs)	1	
Capacity of CBWTFs	Inclinable = 4800 Kg/day, Recyclable = 3700 Kg/day	
No. of Deep burials for BMW if any	0	
Quantity of biomedical waste generated per day	Inclinable = 2431 Kg/day, Recyclable = 2980 Kg/day	
Quantity of biomedical waste treated per day	Inclinable = 2431 Kg/day, Recyclable = 2980 Kg/day	

(b) Identification of gaps and Action plan:

S. No.	Action points	Gaps	Action Plan	Responsible agency	Timeline for completion of action plan	Status as on 11.09.2023	Decision taken during the meeting.

1.	Inventory and Identification of Healthcare Facilities	<ul style="list-style-type: none"> Total HCFs identified (Bedded + non-bedded)= 1411 HCFs authorized by the PPCB = 1374. 	Regular camps are being organized to pursue the HCFs to obtain the authorization.	PPCB	Identification Completed.	= Regular Activity	The chairman directed to submit report in respect of 100% identification of HCF and disposal of BMW to CBWTF.
2.	Adequacy of facilities to treat biomedical waste	No Gap. Adequate CBWTF installed in the District.	Not required	PPCB	Activity completed. CBWTF already exists in Ludhiana.	Activity completed	The compliance was noted
3.	Tracking of Bio-Medical Waste	No Gap. Bar code system is implemented by all HCFs and CBWTFs. No gap	Not required	PPCB	Activity completed	Activity completed	The compliance was noted
4.	Awareness and education of healthcare staff	No Gap Training has been organized for all stakeholders from time to time. One camp will be organized in a quarter.	Not required	PPCB and Health Department	Regular activity	Regular activity	The compliance was noted
5.	Adequacy of Funds	No gap	Private HCFs = Funds available Govt., HCFs = Funds Being arranged	Civil Surgeon	31.12.2023	-	The Civil Surgeon was directed to submit the status of compliance.
6.	Compliance to Rules by HCFs and CBWTFs	No gap, to check the compliance regular monitoring is being done.	BMW Rules, 2016 are complied with except provisions of ETPs cum STPs	PPCB, HCFs, CBWTF and Civil Surgeon	Regular activity	Regular activity	The PPCB and Civil Surgeon were directed to report the compliance in figures before the next meeting.
7.	District Level Monitoring Committee	District Level Monitoring Committee has been constituted	Meetings are taken on monthly basis with District Environment Committee.	District Administration and PPCB	Regular Activity	Regular activity	The compliance was noted that BMW status is discussed in detailed in every meeting of DEC.
8.	Wastewater Treatment	<ul style="list-style-type: none"> Total HCFs Required ETP = 440 Total HCF installed ETPs = 63 	HCFs are being pursued to install the ETP. The meetings are being held with the IMA (quarterly).	PPCB	30.06.2024	-	The PPCB was directed to report that how many HCFs require ETPs cum STPs and how many installed out of them. The Civil Surgeon was also directed to give this information in respect of Govt., HCFs in the District. They were also directed to report the further steps being taken.

9.	Disposal of radioactive materials. With the proliferation of radiotherapy, nuclear medicine, X Rays, CT Scans and other equipment's using radioactive materials. (Directions of Hon'ble NGT in OA no. 710 of 2017 dated 18.01.2021)	Already Being Complied. <ul style="list-style-type: none"> • Most of the Hospitals now have provided the digital X-Ray, hence no such waste is generated from digital X-ray. • The Hospitals which have not provided the digital x-ray machine have made the agreement with the authorized agency for the disposal of its waste. 	Already Complied.	Being	Civil Surgeon	Activity Completed	Activity Completed	The Civil Surgeon was directed to report the latest status of compliance before the next meeting.
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(v) Hazardous Waste Management

(a) Current Status related to Hazardous Waste Management

Details of Data Requirement	Present Status	Decision taken in the meeting
No of Industries generating HW	1487	-
Quantity of HW in the district (MT/Annum)	29074.43	
Quantity of Incinerable HW (MT/Annum)	512.527	
Quantity of land-fillable HW(MT/Annum)	12792.131	
Quantity of Recyclable / utilizable HW (MT/Annum)	Recyclable = 14808.332 Utilizable = 961.44	
Nos. of captive/common TSDF	One common TSDF at NIMBUA, Dera Bassi.	
No of industries provided on site impervious facilities for temporary collection of hazardous waste	1484	
Contaminated Sites or probable contaminated sites	0	

Monitoring of ground water of common TSDF.	No common TSDF falls in the District Ludhiana.	
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(b) Identification of gaps and action plan:

No.	Action points	Identification of Gaps	Action Plan	Responsible agency	Timeline for completion of action plan	Present Status	Decision taken during the meeting.
1.	Regulation of industries and facilities generating Hazardous Waste	<ul style="list-style-type: none"> Total industries identified =1487 Authorized by the PPCB =1203. 	Regular camps are being organized to pursue the industries to obtain the authorization.	PPCB	31.12.2023	Total Industries 1487 Authorized by the PPCB 1203. Regular camps are being organized to pursue the industries to obtain the authorization	It was decided that PPCB to ensure that all the industrial units (requiring authorization) have authorization of the Board by 31.10.2023.
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.	MCL, MCs and Department of urban development.	31.12.2023	-	The Chairman decided that all the MC authorities, UD to ensure 100 % compliance by 31.10.2023 by all means.
3.	Training of workers involved in handling / recycling / disposal of HW	Industries generating HW already identified	The workers are being trained time to time. One training program is being provided quarterly.	Department of Industries	Regular activity	Regular Activity	The GM, DIC was directed to report the latest status of compliance before the next meeting.
4.	Availability / Linkage with common TSDF or disposal facility	The industries generating HW have access to common TSDF in the State. No. of units identified linked with CTSDF = 1050	The industries generating HW have access to common TSDF in the State.	PPCB	Activity completed	Activity completed	The Chairman directed PPCB to report the number of units generating Hazardous waste in the District and how many out of the have access/linkage with CTSDF or other approved firms and details of the action taken against the defaulters.
5.	Contaminated Sites	No Contaminated Site	No Contaminated Site	Local Bodies, DDPO and PPCB	No Contaminated Site	No contaminated site.	Local Bodies, DDPO and PPCB were directed to report the latest status before the meeting.

(vi) E-Waste Management

(a) Current Status related to E-Waste Management

Details of Data Requirement	Present Status	Decision taken during meeting.
Inventory of E-Waste in MT/year	70	
Collection centers established by ULBs in the District	11	
Collection centers established by Producers or their PROs	1	
Nos. authorized E-Waste recyclers /Dismantler	04 no. dismantler/recycler already established in the District Ludhiana (M/s Spreco Recycling Raikot, M/s Green Bird Recycling, Village Mangarh, Kohara Macchiwara Road, Ludhiana & M/s Cosmos Recycling Hambran, Ludhiana).	

(b) Identification of gaps and action plan:

S. No.	Action points	Gaps in implementation	Action Plan	Responsible agency	Timeline for completion of action plan	Present Status	Decision taken during the meeting.
1.	Inventory / Generation of E-Waste / Bulk-waste generators	Inventory of bulk waste generators is under process.	Completion of inventory	PPCB, MCL and ULBs	31.12.2023.	Regular Activity.	The Chairman decided that PPCB, MCL and ULBs shall complete the inventory, immediately. They shall submit progress before every meeting of DEC.
2.	E-Waste collection points	Availability of E-Waste collection points / call centers / kiosks in villages –Blocks//towns / cities	Identification /registering E-Waste collection centers in association with Producers – their PROs or Recyclers Municipal Corporation Ludhiana Constructed 11 Waste Collection Points and the rest will be	MCL, All MCs and GMDIC	MCL:-31.12.2023 and MCs by = 31.12.2023 1 point for e waste established by each of 10 ULBs.	Municipal Corporation Ludhiana Constructed 12 Waste Collection Points and the rest will be completed once all the compactor constructed All 10 MC'S have 1 collection point	The Chairman decided that MCL, MCs and GMDIC department of urban development to ensure the 100 % compliance by 31.10.2023 by all means.

			completed once all the compactor and MRF will be constructed				
3.	Linkage among Stakeholders dechannelize-Waste	Linkage among stakeholders is being done.	Work under progress	MCL, All MCs and GMDIC	31.12.2023	-	The Chairman decided that MCL, MCs and GMDIC department of urban development to ensure the 100 % compliance by 31.10.2023 by all means.
4.	Regulation of Illegal E-Waste recycling /dismantling	Regular activity	Checking regularly as per the rules.	MCL/MCs/PPCB.	Regular Activity	Regular Activity	The Chairman decided that PPCB, MCL and ULBs shall complete the inventory, immediately as well as regulation of Illegal E-Waste recycling /dismantling. They shall submit progress before every meeting of DEC.
5.	Integration of informal sector	Being done	Regular activity.	MCL/MCs.	31.12.2023	Regular activity	MCL/MCs were directed to report the progress before every meeting of DEC.
6.	Awareness and Education	Regular activity	Quarterly Special workshops and awareness campaigns through Producers/PROs are carried out.	MCL/MCs.	Regular Activity	Regular Activity	MCL/MCs were directed to report the progress before every meeting of DEC.
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.	PPCB and Custom department	Regular activity	Regular Activity	The PPCB was asked to ensure compliance by 31.10.2023 by all means.
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 Authorized Producers will be verified per year	This is a continuous Activity and being followed. All the EPR Authorized Producers will be verified per year.	PPCB	Regular activity	Regular Activity	PPCB was directed to report the progress before every meeting of DEC.
9.	Verification of systems provided by producers for	This is a continuous Activity. All the EPR	This is a continuous activity. All the EPR	PPCB	Regular activity	Regular Activity	PPCB was directed to report the progress before every meeting of DEC.

	collection and channelization of e-waste. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Authorized Producers will be verified per year.	Authorized Producers are verify on regular basis.				
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	Regular Activity	PPCB was directed to report the progress before every meeting of DEC.
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 is carried out checking of this activity.	MCL/MCs/PPCB.	Regular activity	Regular Activity	MCL/MCs/PPCB was directed to report the progress before every meeting of DEC.
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.	MCL/MCs.	Regular activity	Regular Activity	MCL/MCs was directed to report the progress before every meeting of DEC.
13.	Governance frame work for monitoring compliance. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Regular Monitoring will be carried out to check the compliance.	Regular Monitoring is carried out to check the compliance.	MCL/MCs/PPCB.	Regular activity	Regular Activity	MCL/MCs/PPCB was directed to report the progress before every meeting of DEC.
14.	Capacity building at district level. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Regular activity	Workshops/seminars to educate functionaries is being run on regular basis.	MCL/MCs/PPCB.	Regular activity	Regular Activity	MCL/MCs/PPCB was directed to report the progress before every meeting of DEC.
15.	IEC plan be firmed up and	Activity completed	IEC plan has been	MCL/MCs.	Regular activity	Regular Activity	MCL/MCs was directed to report the progress

	executed. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)		prepared by state and being implemented in all ULBs widely.				before every meeting of DEC.
16.	Strengthen system of enforcement. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Activity completed	Regular Activity	MCL/MCs/PPCB.	Regular activity	Regular Activity	MCL/MCs/PPCB was directed to report the progress before every meeting of DEC.
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)	Activity completed	State Government has already planned the focal points for industrial units. Proper space is allocated to the existing and upcoming industrial unit for E waste dismantling and recycling facility.	PSIEC	Activity Completed	Activity Completed	PSIEC was directed to report the progress before every meeting of DEC.
18.	Recognition and registration of workers involved in dismantling and recycling, undertake industrial skill development activities for the workers involved in dismantling and recycling. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021)	Regular Activity	Recognition and registration of workers involved in dismantling and recycling and industrial skill development activities for the workers involved in dismantling and recycling is being done on regular basis	Labour Department	Regular Activity	Regular Activity	The compliance was noted. The labour department was asked to submit the progress report before the next meeting.
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	Regular Activity	Is being Ensured on Annual basis.	Director of Factories	Regular Activity	Regular Activity	The department was asked to submit the progress report before the next meeting

	15.01.2021)						
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	MCL:- Domestic E-waste deposition centers will be established in the each secondary collection point. Other ULBs- One E-Waste deposition center already established at each ULB.	All Local Bodies	MCL:- 31.12.2023 as same will be established with the secondary points and establishment of the compactor.	Municipal Corporation Ludhiana Constructed 12 Waste Collection Points and the rest will be completed once all the compactor constructed.	The Chairman decided that all the MC authorities to ensure 100 % compliance by 31.10.2023 by all means and shall submit report before the next meeting.

2. AIR QUALITY MANAGEMENT

(a) Current Status related to Air Quality Management

Details of Data Requirement	Present Status	Decision taken during the meeting.
Number of Automatic Air Quality monitoring stations in the district. - Operated by SPCB / State Govt / Central govt./ PSU agency : - Operated by Industry:	2, (At Ludhiana city & Khanna city) 0	
Number of manual monitoring Stations operated by SPCBs	10	
Name of towns / cities which are failing to comply with national ambient air quality stations	02 (Ludhiana city & Khanna city)	
Nos. of air polluting industries	2064	
No. of unit installed APCD	2064	

Status of Air Consent	<ul style="list-style-type: none"> Regular activity Total no. of industries requiring consent to operate under Air Act, 1981 as on 31.08.2023 Red = 1987 Orange =2428 Green=1042 Total no. of units having consent as on 31.08.2023 Red = 1722 Orange =2106 Green=835 Timeline for grant of consents to the balance units not having valid consent. Red = 31.03.2024 Orange = 30.09.2023 Green= 31.12.2023 	
Prominent air polluting sources	Industry, Road dust, transport, Burning of biomass & Vehicular pollution.	

(b) Identification of gaps and action plan:

S. No.	Action points	Gap & Indicative Action Plan	Responsible agency	Timeline for completion of action plan	Present Status	Decision taken during the meeting.																												
1.	Identification of prominent air polluting sources?	Following sources have been identified after carrying out source apportionment study:- <table border="1" data-bbox="513 1040 1177 1360"> <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>Industry</td> <td>35%</td> <td>38%</td> </tr> <tr> <td>2.</td> <td>Transport</td> <td>16%</td> <td>21%</td> </tr> <tr> <td>3.</td> <td>Road Dust</td> <td>28%</td> <td>16%</td> </tr> <tr> <td>4.</td> <td>Biomass</td> <td>16%</td> <td>19%</td> </tr> <tr> <td>5.</td> <td>Others</td> <td>4%</td> <td>5%</td> </tr> <tr> <td>6.</td> <td>Power Plants</td> <td>1%</td> <td>1%</td> </tr> </tbody> </table>	Sr. no.	Source	PM ₁₀	PM _{2.5}	1.	Industry	35%	38%	2.	Transport	16%	21%	3.	Road Dust	28%	16%	4.	Biomass	16%	19%	5.	Others	4%	5%	6.	Power Plants	1%	1%	MCL, PWD, Agriculture Department & PPCB	Activity Completed	Activity Completed	MCL, PWD, Agriculture Department & PPCB were directed to update the data given in pre-column.
Sr. no.	Source	PM ₁₀	PM _{2.5}																															
1.	Industry	35%	38%																															
2.	Transport	16%	21%																															
3.	Road Dust	28%	16%																															
4.	Biomass	16%	19%																															
5.	Others	4%	5%																															
6.	Power Plants	1%	1%																															
2.	Ambient Air quality data?	Ambient air quality is already being monitored. The annual average value of the year 2022-23 is as	PPCB	Activity completed. Stations already	Activity Completed	The Chairman was directed the PPCB lab at Ludhiana to give average results of																												

		under-					working.		the pollutants in ambient air noted in the month before the every meeting of the DEC.
		Sr. no.	Year	PM ₁₀ µg/m ³	AQI				
		1.	2019	103	111				
		2.	2020	93	97				
		3.	2021	116	116				
3.	Setting up of Continuous Ambient Air Quality Monitoring Station	2 CAAQMS already installed (1no.@ldh & 1no.@Khanna)				PPCB	Activity completed	Activity Completed	The compliance was noted. The Chairman was directed the PPCB lab at Ludhiana to give average results of the pollutants in ambient air noted in the month before the every meeting of the DEC
4.	District Level Action Plan for Air Pollution	Action plan to control air pollution already prepared and submitted to Hon'ble NGT. Link is https://ppcb.punjab.gov.in/en/action-plans				PPCB	Action Plan Already prepared and being implemented.	Activity Completed	The compliance was noted
5.	Hotspots of air pollution in District	Major Hotspots have been identified and given in the micro air action plan. The major hotspots are industrial areas, kanganwal, railway station, railway station NH1 towards Ambala. Bus stand, Bharat nagar chowk, model town, harnam nagar, Gandhi colony, sashtri nagar, chaura Bazaar, Dal Bazaar, field Ganj, etc.,				PPCB	Activity Completed	Activity Completed	The PPCB was directed to update the data given in pre-column.
6.	Awareness on Air Quality	Awareness in this regard is being done on regular basis. The data is also given in public domain for awareness to the public at official website of the PPCB. The web link of the same is https://ppcb.punjab.gov.in/en/air-quality				PPCB	Regular activity	Regular activity	The compliance was noted
7.	Industries to be converted from coal to CNG	<ul style="list-style-type: none"> Total industries to be converted from coal to PNG = 368 (Ludhiana 275 and khanna 93) Converted to PNG = 3 Work of lying pipeline at Ludhiana yet to be started further after termination of contract with M/s Jai Madhok at Ludhiana, PNGRB is yet to allot fresh contract & at khanna M/s Think gas Pvt. Ltd. Started the work of laying pipeline in Khanna and around 80 % work completed. 				PPCB/DIC	Time target: Six month- after lying the pipeline		The compliance was noted. The PPCB/DIC and DFSC was asked to submit progress before the next meeting.

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 = 224 Converted to ZIG Zag Technology= 224 	PPCB/DFSC	Activity Completed	Activity Completed	The compliance was noted
9.	Maintain pothole free roads / timely patchwork on roads	<p>MCL The patch work is a regular process. 17.5 Km out of 93 km of roads has been made pothole free. Further work is in progress.</p> <p>MCs Regular Activity being done on time to time.</p> <p>GLADA/PWD Patchwork of roads is continuous process. As and when potholes develop on roads the same are got repaired as soon as possible.</p>	MCL, PWD, GLADA and MCs	Regular activity	The patch work is a regular process. 8.5 Km out of 56 km of roads (target for the year 2023-24) has been made pothole free. Further work is in progress.	The Chairman noted the progress.
10.	Procurement of Mechanical sweeping machines	<ul style="list-style-type: none"> One sweeping machine is already procured by MCL and machine is functional. Tenders has been invited to procure 4 (Four) more number of sweeping machines which are to be opened. GPS system will be installed on sweeping machines after procurement of machines. 	MCL	Time Target: 30.06.2024	Municipal Corporation Ludhiana already deployed 01 Mechanical Road sweeping machine and covered approx. 20-22 KM of road. For procurement of 04 nos. of Mechanical sweeping machines work has been allotted vide no 16/G33 dated 08.08.2023 and likely to be procured in the month of February, 2024.	The Chairman directed Municipal Corporation, Ludhiana to expedite the procurement of mechanical sweeping machines.
11.	Plantation of trees along highways, drains, Nallahs in colonies and canals etc.,	<p>Drainage department</p> <ul style="list-style-type: none"> 3500 plants planted along bassian drain, 14500 Plants planted along budha nallah & 4000 more plant proposed in coming season. The new target for plantation of 15000 more plants has been fixed by MCL, and plantation of 12000 trees has been proposed in remaining ULBs of District. The same will be started as per suitable weather conditions for plantation. 	MCL, MCs, GLADA, Drainage department	Regular activity	The new target for plantation of 15000 more plants has been fixed by MCL for the year 2023-24 out of which 5760 already planted. The Geo tagging of all the new plants is being done.	The compliance was noted. The MCL, MCs, GLADA, Drainage department asked to submit progress report before the next meeting.

12.	Greening of parks, open areas, community places, schools and housing societies	<p>Forest department 433149 plants will be planted in the year 2022-23</p> <p>MCL The old target for plantation of 15000 plants is achieved by MCL. A new target for plantation of 15083 more plants under NCAP upto 31-12-2023 has been fixed. The work of digging pits for plants is in progress.</p> <p>GLADA Plantation has been done already in various urban estates and the further plantation will be done accordingly when new land will be acquired. and approximately 3000 plantation will be done in various urban estates of.</p> <p>Other MCs One park in each ULB is being developed and planation is also being carried out.</p>	Drainage department, MCL, GLADA, and Forest department	Regular activity	The old target for plantation of 15000 plants is achieved upto 31-03-2023 by MCL. A new target for plantation of 15000 more plants for the year 2023-24 has been fixed out of which 10700 plants planted till date. The Geo tagging for all the plants is being done.	The compliance was noted. The Drainage department, MCs, GLADA and Forest department was asked to submit progress before the meeting.
13.	Kaccha/Brick Paved Roads to be made Pucca roads	<p>MCL The 13.45 km (57%) out of 23.7 km (as per new targets) road work already completed. Further work is in progress.</p> <p>MCs The Paved roads/kaccha roads are also converted into pakka road in each ULBs.</p>	MCL and MCs	31.12.2023	The 100% target for the year 2022-23 has been achieved. New target for 11.7 km has been fixed for the year 2023-24 out of which 02 Km (17%) has been achieved. Further work is in progress.	The Chairman noted the progress.
14.	Existing roads requiring recarpeting	<p>PSIEC Maintenance of Industrial Focal Point already handed over to Municipal Corporation Ludhiana by PSIEC.</p> <p>PWD The PWD has also submitted its report regarding re-carpeting of Road total 6.62 km, around 70 % work completed and remaining under process.</p>	MCL,PWD, GLADA, PSIEC	Regular activity	The Re-carpeting work of 6.8 km (10.46%) out of 65 km (as per new target for the year 2023-24) within MC area has already been completed. The balance work of re-carpeting of roads in progress	The Chairman decided that MCs, PWD, GLADA, PSIEC to do the needful for completion of the action within the timelines mentioned in the action plan and submit report before the next meeting.

		<p>Other ULBs</p> <p>Target achieved - 5.24 km roads re-carpeted</p> <p>MCL</p> <p>The Re-carpeting work of 57.55 km (43.82%) out of 131.32 km (as per new target) within MC area has already been completed. The balance work of re-carpeting of roads in progress</p> <p>Other MCs</p> <p>The re-carpeting is being done as and when required.</p>				
15.	Public awareness campaign for control of vehicular emissions	The camps are being organized regular basis. Facebook, Twitter & Instagram) is also being used to spread traffic awareness. Quarterly camp is being organized for awareness.	Traffic Police, Transport	Regular activity	Traffic awareness camp have been installed in school and college and social media (by uploading posts on Facebook, Twitter & Instagram) is being used to spread traffic awareness	The compliance was noted. The traffic police and transport department was asked to submit progress report before the next meeting.
16.	Extensive drive against polluting vehicles	The extensive drive against polluting vehicles already initiated by the Police department.	Traffic Police	Regular activity	Regular activity	The compliance was noted. The traffic police and transport department was asked to submit progress report before the next meeting.
17.	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	Regular activity	The compliance was noted. The traffic police and transport department was asked to submit progress report before the next meeting.
18.	Phasing out commercial diesel vehicles more than 15 years old	Scheme under consideration at Govt. Level.	Transport	Time Target:- 31.12.2023		The compliance was noted. The transport department was asked to submit progress report before the next meeting.
19.	Promotion of E-Vehicles	The is being done on regular basis.	Transport	Regular activity	Regular activity	The compliance was noted. The transport department was asked to submit progress report before the next meeting.
20.	Infrastructure development for additional of CNG	<ul style="list-style-type: none"> Total 15 CNG station has been commissioned out of total 16 station and 1 is under process. 	DFSC	31.12.2023	-	The Chairman decided that all the DFSC to ensure 100 % compliance by 31.10.2023 by all means.

	based autos/taxis					
21.	Control of open burning of bio-mass.	<p>MCL To control burning 563 Number of composite pits constructed in Parks and green belts of Ludhiana.</p> <p>MCs 34 compose pits are constructed in all ULBs to control the burning of bio mass.</p> <p>GLADA Material is collected from park and put in the pits built at nursery.</p>	MCL ,MCs and GLADA	Regular activity	To control burning of bio mass, 563 Number of composite pits constructed in Parks and green belts of Ludhiana. Regular inspections are made and challans are being issued to the violators.	The MCL ,MCs and GLADA was asked to submit progress before every meeting.
22.	Dissemination of Air Quality Index by installing CAAQMS	Activity Completed. The web link of the same is as under:- https://ppcb.punjab.gov.in/en/air-quality http://cpcb.nic.in/automatic-monitoring-data/	PPCB	Two already installed, in Ludhiana and Khanna city. Activity completed	Activity completed	The compliance was noted
23.	Dissemination of Air Quality Index by installing display boards in the city	Activity Completed. The web link of the same is as under:- https://ppcb.punjab.gov.in/en/air-quality http://cpcb.nic.in/automatic-monitoring-data/	PPCB	Two already installed, in Ludhiana and Khanna city. Activity completed	Activity completed	The compliance was noted
24.	Establishment of Air Quality Management Division(AQMD) at PPCB (HQ)Establishment of an Air	Activity completed	PPCB,	Activity completed	Activity completed	The compliance was noted
25.	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	Completed	Activity completed	The compliance was noted
26.	Scope for public participation on remedial measures like plantations. (Directions of Hon'ble NGT in OA no. 360/2018 dated 05.07.2021)	Ludhiana Forest division has 69 registered village forest Committees. Plantation and maintenance is being done by public participation mode.	Department of forest	Regular Activity	Regular Activity	The compliance was noted. The Department of forest was asked to submit progress before the next meeting.

27.	Carrying capacity and source apportionment study of non-attainment Cites.	Source apportionment study has been already carried out through 3 rd party.	PPCB	PPCB has got conducted the source apportionment study from PSCST, Chandigarh & the Energy and Resources Institute, New Delhi and carrying capacity study has already been conducted from IIT, Delhi.	Activity Completed	The PPCB was directed to report the progress in respect of the suggestion given in Source apportionment study.
28.	For development of plantation along the highways.	Regular Activity	PWD/Forest	Regular Activity	Regular Activity	The compliance was noted. The PWD/Forest was asked to submit progress before the next meeting.
29.	Steps to be taken for management of agriculture waste/residue	<ul style="list-style-type: none"> During 2021-22, till 31.03.2022, 669 crop residue management machines given viz 136 to registered farmer groups, 84 to cooperative societies, 13 to gram panchayats and 436 to individual farmers. Beside above, IEC activities like farmer training camps, Hording and field demonstrations are also being carried out to spread the awareness among farmers through the year. 	Agriculture department	Seasonal Activity.	-	The compliance was noted. The Agriculture department was asked to submit progress before the next meeting.

3. WATER QUALITY MANAGEMENT

(a) Water Quality Monitoring

- Current Status related to Water Quality Management

Details of Data Requirement	Present Status	Decision taken during the meeting.
Rivers	River Sutlej	
Length of Coastline (if any)	Nil	
Nalas/ Drains/Creeks meeting Rivers	3	
Lakes / Ponds	1345	

Total Quantity of sewage from towns and cities in District	702 MLD	
Quantity of industrial wastewater	144.85MLD	
Percentage of untreated sewage	30 %	
Details of bore wells and number of permissions given for extraction of groundwater	6350	
Groundwater polluted areas if any	Dump site of Municipal Corporation, Ludhiana.	
Polluted river stretches if any	River Sutlej, 20 km	

• 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	Present Status	Decision taken during the meeting.
1.	Inventory of water bodies	The inventory of rivers, drains are already done and data is being maintained.	Department of Irrigation and Department of Rura Development and Panchayat.	Activity Completed	Activity Completed	Department of Irrigation and Department of Rura Development and Panchayat were directed to report the latest status of compliance.
2.	Quality of water bodies in the district	The monitoring of rivers, drains are already being carried out and data is being maintained and also discussed in monthly meeting of District Environment Committee. The information of water quality is also uploaded on the official websites of SPCB. The web link is https://ppcb.punjab.gov.in/en/water-quality	PPCB	Regular activity	Regular Activity	The Chairman decided that the PPCB shall give details of monitoring and results thereof before the next meeting.
3.	Hotspots of water contamination	Identified and given in the Sutlej Action Plan web link is https://ppcb.punjab.gov.in/en/action-plans	PPCB	Regular activity	Regular Activity	The Chairman decided that the PPCB shall give details of monitoring and results thereof before the next meeting.

4.	Protection of river / lakewater 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	MCL and MCs	Regular activity	Regular Activity MCL:- Municipal Corporation Ludhiana issued 874 Challans to violators for dumping solid waste in river/nallah w.e.f 01.01.2023	The Chairman asked MCL and other MCs of the district to submit detail of work done in this regard before the next meeting.
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	PPCB	Activity Completed	Regular Activity	The Chairman asked PPCB to report as to whether all the sources of water pollution have been identified and covered under Environmental laws before the next meeting.
6.	Oil spill disaster management (for coastal districts)	Not applicable	Not applicable	Not applicable	Not applicable	The compliance was noted
7.	Protection of flood plains	Plan Prepared.	Drainage Department	Plan Prepared. The concerned department regularly observes and protects the flood plains.		The Chairman asked drainage department to report action taken in this regard before the next meeting.
8.	Rejuvenation of groundwater	As per Master Plan to Artificial Recharge to Ground Water in India-2020, 2698 Recharge shaft, 33830 farm Pond and 71683 Rooftop Rain water harvesting structures have been suggested for Ludhiana district. The link for the Master Plan is http://cgwb.gov.in/Master%20Plan%20to%20GW%20Recharge%202020.pdf	CGWA/PWRDA	Regular Activity	Regular Activity	The Chairman asked CGWA/PWRDA to report action taken in this regard before the next meeting.
9.	Complaints redressal system	Mobile App/Online Complaint redressal system already developed. The web link is https://connect.punjab.gov.in/grievance/save	PPCB	Activity Completed	Activity Completed	The compliance was noted. The PPCB shall report no. of complaints pending as on 31.1.2023.

(b) Domestic Sewage

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

Details of Data Requirement	Present Status	Decision taken during the meeting.
No of Class-II towns	5	
No of Class-I towns	3	
No of Towns STPs installed	09	
No of Towns needing STPs	02 i.e. Samrala and Raikot. Also two additional STPs are required for Ludhiana town.	
No of ULBs having partial underground sewerage network	08	
No of towns not having sewerage network	0	
Total Quantity of Sewage generated in District from Class II cities and above	695 MLD	
Quantity of treated sewage flowing into Rivers (directly or indirectly)	490.50 MLD	
Quantity of untreated or partially treated sewage (directly or indirectly)	205 MLD	
Quantity of sewage flowing into lakes	0	
Total available Treatment Capacity	496.75 MLD in District Ludhiana	

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

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan	Present Status			Decision taken during the meeting.
					Sr. No	Existing / Proposed STPs	Status	
1.	Sewage Treatment Plants (STPs)	<ul style="list-style-type: none"> Existing capacity of STPs = 496.75 MLD Additional capacity required = 296 MLD. Installation of new STP of 225 MLD at Jamaalpur and new STP of 60 MLD at Balloke re-habilitation of existing STP's of Ludhiana city. The tender for the	MCL, MCs and PWSSB	<ul style="list-style-type: none"> 225 MLD STP Jamalpur completed. 60 MLD STP Balloke 50% completed and completion date is 31.12.2023. Rehabilitation of 105 MLD 	1	105 MLD STP Balloke 152 MLD STP	Working Satisfactory Under Rehabilitatio	<ul style="list-style-type: none"> The Chairman directed ADC (UD) to call separate meeting for sewerage related projects. The ADC (UD) shall resolve the problems in operation of STPs which are not in

		<p>Construction of Sewage Treatment Plants (STPs), Pumping Stations, Rehabilitation of existing STPs & Main Pumping Stations for abatement of pollution in Buddha Nallah, Ludhiana including Operation & Maintenance for a period of 10 years (on DBOT basis) under AMRUT scheme has been allotted to M/s Khilari Infrastructure Pvt. Ltd. vide letter no. 4778 dated 02.12.2020.</p> <ul style="list-style-type: none"> • Raikot = Installation of new STP of 7 MLD (SBR technology) • Samrala = Installation of new STP of 4 MLD (SBR technology) 		<p>STP at Balloke completed.</p> <ul style="list-style-type: none"> • Rehabilitation of 152 MLD STP at Balloke 35 % completed and completion date is 31.12.2023. • Rehabilitation of 111 MLD STP at Bhattian 85% completed and completion date is 31.12.2023. • Rehabilitation of 50 MLD STP at Bhattian completed. • 4 MLD STP Samrala 85 % completed and completion date is 31.12.2023. • 7 MLD STP Raikot 80 % completed and completion date is 31.12.2023. 	<table border="1"> <tr> <td>Balloke</td> <td>n, Will be completed by 31-12-2023</td> </tr> <tr> <td>50 MLD STP Bhattian</td> <td>Working Satisfactory</td> </tr> <tr> <td>111 MLD STP Bhattian</td> <td>Under Rehabilitation, Will be completed by 15-09-2023</td> </tr> <tr> <td>225 MLD STP Jamalpur</td> <td>Working Satisfactory</td> </tr> <tr> <td>60 MLD STP Balloke</td> <td>Constructed, Trial run started</td> </tr> </table>	Balloke	n, Will be completed by 31-12-2023	50 MLD STP Bhattian	Working Satisfactory	111 MLD STP Bhattian	Under Rehabilitation, Will be completed by 15-09-2023	225 MLD STP Jamalpur	Working Satisfactory	60 MLD STP Balloke	Constructed, Trial run started	operation.
Balloke	n, Will be completed by 31-12-2023															
50 MLD STP Bhattian	Working Satisfactory															
111 MLD STP Bhattian	Under Rehabilitation, Will be completed by 15-09-2023															
225 MLD STP Jamalpur	Working Satisfactory															
60 MLD STP Balloke	Constructed, Trial run started															
2.	Underground sewerage network	<p>Sewerage network is already being laid out in major town and cities. The percentage of sewerage laid is as under:</p> <ol style="list-style-type: none"> 1. Ludhiana city = 100 % 2. Khanna = 100 % 3. Sahnewal = 98 % 4. Jagraun = 95 % 5. Doraha = 100 % 6. Raikot = 70% 7. Mulanpur Dhakha = 70 % 8. Maulodh = 85% 	MCL, MCs & PWSSB	<p>Raikot = Presently 70% is already covered with Sewerage network for 100% coverage DPR amounting to Rs. 15.38 Crore is prepared under SBM. Funds not tied up yet.</p> <p>Samrala = Presently 30% is already covered with Sewerage network for</p>	-	The Chairman directed MCL and other MCs of the district to report the latest status of laying down sewerage network in the towns. Also, to report the percentage of remaining work and to ensure the completion by the target date and report before the next meeting.										

		9. Payal = 100 % 10. Machiwara = 95 % 11. Samrala = 30 %		100% coverage DPR amounting to Rs. 28.08 Crore is prepared under SBM. Other 4 MCs = 31.12.2024		
3.	Setting up of real time water quality monitoring system to monitor the quality of water	Activity completed	PPCB	Activity completed. All the three RTWQMS have been installed and working. Satluj = 1 • Budha Nallah = 2	Work done	The compliance was noted. It was directed that PPCB Lab at Ludhiana shall give results of main pollutants before every meeting of DEC.
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	Regular Activity	MCL, GLADA, PWSSB	Completed. GLADA, MCL & PWSSB has informed that Funds have been tied up	Regular payment is being disbursed Attached annexure B	<ul style="list-style-type: none"> The Chairman directed the MCL and MCs to ensure proper regular operation of STPs. The PPCB shall monitor the STPs and submit analysis results before every meeting of DEC. The PPCB shall ensure conveying of analysis reports to concerned MCL and MCs along-with copy to ADC (UD) timely.
	(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	Activity Completed	MCL, GLADA, PWSSB	Activity completed • STP Balloke (105 MLD & 152 MLD): Common Lab Provided • STP Bhattian (111 & 50 MLD): Common Lab Provided • STP Machhiwara (4 MLD): Provided • STP Sahnewal (7 MLD): Provided • STP Jagraon (16 MLD &	<ul style="list-style-type: none"> STP Balloke (105 MLD & 152 MLD): Common Lab Provided • STP Bhattian (111 & 50 MLD): Common Lab Provided 	The Chairman directed the MCL and MCs to provide labs to analysis the parameters required to ensure proper operation of STPs by 31.10.2023 and report before the next meeting.

				<p>12 MLD): Common Lab Provided</p> <ul style="list-style-type: none"> • STP Mullanpur (3 MLD): Not Provided • STP Khanna (29 MLD): Provided • STP Araicha, Doraha (2.75 MLD): Not Provided • STP Rajgarh, Doraha (1 MLD): Not Provided • STP Payal (1.5 MLD): Not Provided • STP Maloudh (1.5 MLD): Not Provided • STP Begowal, Doraha (1 MLD): Not Provided <p>The GLADA has informed that the capacities of STP's are small so there is no provision of in-house laboratory but OCEMS are installed and monthly testing is done from NABL approved lab.</p> <ul style="list-style-type: none"> • Total STP =15 • Lab Provided = 9 • Lab not provided = 6 as small STPs. 		
5.	<p>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.</p> <p>(i)Finalization of appropriate technology</p>	<p>A. No. of village ponds for which work has been completed:- 11</p> <p>B. No. of villages where work is under progress= 7</p> <p>C. No. of villages where work is yet to be started = 20</p>	DDPO, XEN PR, XEN WSS-cum-DSO	<p>A. Total no. of villages where appropriate technology is required = 38</p> <p>B. No. of village ponds for which appropriate technology finalized: 38</p> <p>Timeline – 31.12.2024</p>	- Liquid Waste Management (LWM) projects are being undertaken in majority of the villages using FC Funds, Grants and Panchayat's own funds.	The Chairman decided that DDPO to adhere with the time frame given in the action plan.
	(ii)Arrangement of Funds for	A. No. of villages ponds for which	DDPO, XEN PR,	A. No. of village for which	Funds from Finance	The Chairman decided that

	treatment technology in various villages identified in the Action Plan	funds for treatment technology have been arranged: 23 B. The work for arrangements of funds for the remaining village is under process.	XEN WSS-cum-DSO	funds for treatment technology arranged:-23 B. Number of villages where funds are yet to be arranged=15 C. Time target for the remaining village ponds: 31.12.2024	Commission grants, other grants and funds from panchayats' own sources are being utilized.	DDPO to adhere with the time frame given in the action plan.
	(iii)Reuse of water for agriculture purpose in villages.	A. No. of village ponds for which irrigation scheme has been implemented: 46 B. Progress for the remaining villages: work is under progress under the MGNREGA Scheme.	DDPO, Soil conservation department.	A. Number of village ponds identified: 1345 B. No. of village ponds for which irrigation scheme has been implemented: 46 C. Time target for the remaining villages: 31.12.2024	Treated water is being used for Irrigation purposes.	The Chairman decided that DDPO to adhere with the time frame given in the action plan.
	(iv)Proper operation and maintenance of treatment facilities installed in village ponds	A. No. of village ponds for which operation and maintenance of treatment facilities installed:46 B. Progress for the remaining villages for remaining villages work is under progress under the MGNREGA Scheme	DDPO, XEN PR, XEN WSS-cum-DSO	A. Target Number of villages identified for installation treatment facility: 650 B. No. of village ponds for which operation and maintenance of treatment facilities installed: 46 C. Time target for the remaining villages: 31.07.2024	Facilities are being maintained to ensure proper treatment of water in LWM project.	The Chairman decided that DDPO to adhere with the time frame given in the action plan.
6.	(i)Checking of health indices of the in-habitants & maintaining database.	Camps are organized on monthly basis	The Department of Health and Family Welfare	Regular activity	-	The Chairman directed the Health Department to submit details of work done in this regard before every meeting of DEC.
	(ii)Holding awareness camps in the catchment area of River Sutlej to make the public aware				-	The Chairman directed the Health Department to submit details of work done in this

	regarding water borne diseases					regard before every meeting of DEC.
7.	(i) Measurement of flow at different locations of River Sutlej & drains.	The flow is being monitored on monthly basis by the drainage department.	Department of water resources,	Regular activity	-	The Chairman directed the Department of water resources to submit details of work done in this regard before every meeting of DEC.
	(ii) To stop unauthorized discharge in the drains.	<ul style="list-style-type: none"> The regular survey is being done by the concerned departments to stop unauthorized discharge in the drains. MCL informed that there are 16 major outlets in Budha Nallah and these outlets will be closed by 31.12.2022 with the construction of IPS section and up gradation of STPs. Drainage informed that the points into drains outside Budha Nallah have been identified and mater is been taken up with the Sarpanch and local police for the effective closure of the same. The DDPO informed that the ponds are being constructed as per thaper model to stop discharge into drain. 	Department of water resources, MCL and DDPO..	Time Target: <ul style="list-style-type: none"> Drainage Department (Outside MC limit)= 31.03.2024 MCL (Within MC limit) = 31.12.2023 	There are 16 major outlets in Budha Nallah and these outlets will be closed by 31.12.2023 with the construction of IPS section and up gradation of STPs.	The Chairman directed the Department of water resources, MCL and DDPO to submit details of work done in this regard before every meeting of DEC.
8.	Shifting of scattered dairies from the City	Latest status: new site for the is under finalization	MCL	Time target: 31.03.2024	-	The Chairman directed MCL to report latest status before the next meeting.
9.	Release of fresh water @200 cusec in Buddha Nallah from Sirhind Canal.	Activity Completed	Department of Water Resources.	Activity Completed	-	The Chairman directed Department of Water Resources to report latest status before the next meeting.
10.	Setting up of additional water bodies/water harvesting	MCL:-	MCL and MCs	MCL:- Time target to installed		The Chairman directed MCL and MCs of Water Resources to

	structures	<ul style="list-style-type: none"> Total no. of water harvesting structure proposed = 13 Total no. of water harvesting structure installed = 3 Other 10 ULBs :- <ul style="list-style-type: none"> Total no. of water harvesting structure proposed = 36 Total no. of water harvesting structure installed = 16 		balance rain harvesting structures = 31.03.2024		report latest status before the next meeting.
11.	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)	Guidelines framed by CPCB are being enforced by PPCB on regular basis.	PPCB	Guidelines framed	Guidelines framed	The Chairman directed PPCB shall submit compliance of environmental norms in respect of water pollution, noise pollution and MSW handling by marriage halls, banquet halls, and party venues before the next meeting.
12.	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)	Guidelines framed by CPCB are being enforced by PPCB on regular basis.	PPCB	31.03.2024	-	The Chairman directed the PPCB shall submit work done in this regard before the next meeting.
13.	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)	Guidelines framed by CPCB are being enforced by PPCB on regular basis.	PPCB	31.03.2024	-	The Chairman directed the PPCB shall submit work done in this regard before the next meeting.
14.	The local authorities/corporations should carry out inventory of the dairy farms and gaushalas. (Directions of Hon'ble NGT in OA no.	All ULBs are preparing inventory of Gaushala and Dairy farms .	All Local Bodies	30.09.2024	Report attached at Annexure - C	The Chairman directed MCL and other ULBs shall submit inventory of dairy farms and Gaushalas before the next meeting.

	400/2017 dated 04.02.2021)					
15.	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= 31.12.2023	-	The Chairman directed MCL and other ULBs shall submit work done in this regard before the next meeting.
16.	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)	Committee constituted activity completed.	District Administration	Committee constituted activity completed	-	Activity Completed
17.	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.	All local bodies & DDPO	Regular activity	-	The Chairman directed the MCL and other ULBs and DDPO shall submit work done in this regard before the next meeting.
18.	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	Water Resources (Ground water cum NHP wing) and PWRDA	Activity Completed	-	The Chairman directed the Water Resources (Ground water cum NHP wing) and PWRDA shall submit work done in this regard before the next meeting.

		this study out of total 150 Blocks taken for study, 117 Blocks (78%) are "Over-Exploited", 6 Blocks (4%) are "Critical", 10 Blocks (7%) are "Semi-Critical" and 17 Blocks (11%) are in "Safe" category. The water level trends have been computed for last 10 years from 2009-2019 data				
19.	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	Water Resources (Ground water cum NHP wing) and PWRDA	30.09.2023	-	The Chairman directed the Water Resources (Ground water cum NHP wing) and PWRDA shall submit work done in this regard before the next meeting.
20.	The Water Management Plans, data on water availability or scarcity and policy of CGWA (Now PWRD) 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	30.09.2023	-	The Chairman directed PWRDA to report the compliance before the next meeting.
21.	The District Magistrates have been directed to take up one pond per village for its rejuvenation, this year. (Directions of Hon'ble NGT in OA no. 325/2015 dated 18.11.2020)	A) Till date 600 ponds have been rejuvenated/restored B) Rest 341 will be restored upto 30.06.2024. The ponds contains both wastewater and rain water. With regards to ponds containing rain/storm water 75 Amrit Sarovars are being taken up in the district 2023-24.	ADC(D), DDPO, DSCO, XEN WSS-cum-DSO, XEN PR	For Amrit Sarovars- 31.03.2024 For rest of ponds- 30.06.2024	-	The Chairman directed DDPO, DSCO, XEN WSS-cum-DSO, XEN PR to report the work done so far before the next meeting.
22.	Active efforts be made in close coordination with technical	The excess run of water final reaches rivers, whether it comes through	Drainage department	31.10.2026	-	The Chairman directed drainage department to report the work

	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)	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.				done so far before the next meeting.
23.	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)	MCL:- There is no bio diversity parks in MC limits yet However, Municipal Corporation Ludhiana developed 11 number of micro forests along vacant spaces of Buddah Nallah.	MCL, MCs, Forest Department & Drainage Department	<ul style="list-style-type: none"> Provision of bio diversity park by MCL by 31.03.2024. 	There has no bio diversity parks in MC limits yet However, Municipal Corporation Ludhiana developed 11 number of micro forests along vacant spaces of Buddah Nallah. No land available in MC limits for development of bio diversity park.	The Chairman directed MCL, MCs, Forest Department & Drainage Department to report latest status of compliance before the next meeting.
24.	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	-	The Chairman directed drainage department to report the latest status of compliance before the next meeting.
25.	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)	L-section of all water bodies like drains concerned with Drainage Department has been approved and Mapping of the Drainage System has been done on google Sheet.	Drainage Department	Completed	-	The Chairman directed drainage department to report the latest status of compliance before the next meeting.
26.	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.	MCL/ULBs	Regular Activity	-	The Chairman directed MCL and ULBs to report the latest status of compliance before the next meeting
27.	Installation of STP will be	Steps are being taken.	GLADA/MCL/M	Regular Activity	-	The Chairman directed

	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)		Cs/PPCB			GLADA/MCL/MCs/PPCB to report the latest status of compliance before the next meeting.
28.	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.	MCL, MCs & PWSSB	MCL Time line for Preparation of plan = 30.09.2023. Time line for implementation of plan = 31.12.2025. MCs & PWSSB Time line for Preparation of plan = 31.12.2023. Time line for implementation of plan = 31.03.2024.	i) Water Supply of Payal and Maloud town is under PWSSB. Plan for installation of flow meter is under preparation. For other towns plan is to be prepared by concerned ULBs.	The Chairman directed MCL, MCs & PWSSB to report the latest status of compliance before the next meeting.
29.	Control of illegal extraction of groundwater. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021)	Efforts are being made, regular activity.	All Local Bodies	Regular Activity	-	The Chairman directed MCL and other ULBs to report the work done in this regard before the next meeting.
30.	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 is reviewed on monthly basis by the District Heads and at the level of District Magistrate Ludhiana.	District Heads of concerned departments and District Administration.	Regular Activity	The meeting of DEC is convened every month.	The meeting of DEC is convened every month.
31.	Appointment of Nodal officer with contact number	All the departments have appointment the Nodal officer and list is attached as Annexure-X	All concerned departments	Completed	-	The Chairman directed all the departments to inform if there is any change in the names of the Nodal Officers with the recent transfers within a week positively.
32.	Preparation of operational manual of STPs for the effective and efficient operation of the STPs of the state.	Activity completed	PPCB	Operational manual prepared. Activity completed	Activity Completed and copy of the manual already given to all MCs.	The Compliance was noted.

33.	Enhancement of capacity of existing ponds/ water bodies and creating of new water harvesting structures.	<p>A. Existing Ponds(Total) = 1345 B. No. of Ponds whose Capacity has been enhanced = 335</p> <p>The capacity of existing ponds is enhanced through dewatering and desilting efforts done twice a year after harvesting season. These ponds contain both waste water and rain water. Source of Funds above activities: Gram Panchayat Fund, Finance Commission, MGNREGA. The ponds contains both wastewater and rain water.</p> <p>75 ponds are being created under Amrit Sarovar initiative in the year 2022-23. These ponds would store rainwater and would act as water harvesting structures.</p>	ADC(D), DDPO, DSCO, XEN WSS-cum-DSO, XEN PR	Timeline: 31.10.2024	-	The Chairman directed DDPO, DSCO, XEN WSS-cum-DSO, XEN PR to report the work done so far before the next meeting.
34.	Usage of treated sewage for sprinkling purposes for sweeping of roads to control dust pollution.	<p>Progress achieved:</p> <ul style="list-style-type: none"> • MCL: Already being used for sweeping of roads • MCs: Being used for sprinkling purposes. <p>GLADA: Already being used for sweeping of roads in various urban estates.</p>	MCL, MCs and GLADA.	Regular activity	-	The Chairman directed MCL, MCs and GLADA to report the latest status of compliance before the next meeting.
35.	Mapping of the rivers and flood plain zones in the catchment area of rivers of the State.	<p>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,0.0813</p>	Drainage Department	Completed	Activity completed	The compliance was noted.

		r?utm_source=earth7&utm_campaign=vine&hl=en				
36.	Utilization of STPs sludge	STP sludge is used as manure.	MCL, MCs, and GLADA	Regular activity	-	The Chairman directed MCL, MCs and GLADA to report the latest status of compliance before the next meeting.
37.	Framing policy for the management of highly contaminated Feacal sludge generated from the rural areas.	This is a State level policy matter and time target for framing of policy will be informed after taking up matter with the state.	DDPO, XEN PWSSB	31.12.2023	-	The Chairman directed DDPO, XEN PWSSB to report the latest status of compliance before the next meeting.
38.	The projects being developed for supply of canal water to the inhabitants of the cities/villages may be completed in a time bound manner.	Site has been identified; and yet to be acquired. Construction of WTP transmission lines up to OSHR will be completed in Phase 1 up to 2025. Budgetary Provision (i) Capital Cost is to be funded by World Bank and Punjab Govt. (ii) Operation & Maintenance Cost shall be borne by MC Ludhiana.	MCL	31.10.2025 DPR and RFP prepared and approved. Construction of WTP, Laying of Transmission lines up to OSHRs and Construction of OHSRs will be completed in Phase 1 up to 2025.	Technical bid under evaluation for Canal based water supply scheme at Head Office level	The Chairman directed Municipal Corporation, Ludhiana to adhere the timelines of action plan.
39.	Reuse of treated effluent through existing STPs (OA no. 496/2016 dated 22.01.2021)	<ul style="list-style-type: none"> STPs where Irrigation schemes have been completed and working = 5 Doraha (Rajgarh), Begowal, Payal, Maloud and Machhiwara. Irrigation schemes are yet to provided/work under process = 7 1. STP Khanna (29 MLD): - work is in progress 	Department of Soil conservation, ULBs/PWSSB/ MCL	MCL= Reuse in construction activities of Treated sewage of STPs of MCL by 31.12.2023 <ul style="list-style-type: none"> STP KHANNA (29 MLD): 17 KM Pipeline has been laid for utilization of 2 MLD treated water. The remaining part of project will be completed subject to the availability of funds, availability of agriculture land, quality of water and consent of farmers to use this 	DPR under preparation under AMRUT 2.0 for reuse of treated water for industrial use from Jamalpur STP For Balloke and Bhattian STP, Work plan is being made by Soil and water conservation Department	The Chairman directed Department of Soil conservation, MCL, ULBs and PWSSB to adhere the timelines of action plan.

		<p>2. STP Jagraon (16 MLD): Work is in Progress.</p> <p>3. STP Jagraon (12 MLD): Feasibility report has been sent and the estimate will be prepared after the availability of funds.</p> <p>4. STP Mullanpur (5 MLD): Survey and planning of this project is in progress.</p> <p>5. STP Balloke- Tentative estimate of STP Balloke (152+105=257 MLD) amounting Rs. 141 crores have been already sent to the Department of Science and Technology by the Head of the Department in 2019 and it is</p>		<p>treated water.</p> <ul style="list-style-type: none"> • STP JAGRAON (16 MLD): Total length of pipeline to be laid is 15 KM and approx. 80% laying of pipeline has already completed and remaining is under progress. Tentative date of completion of this project is 31.03.2024. • STP JAGRAON (12 MLD): Feasibility report has been sent to higher authorities and the final estimate will be prepared subject to quality of water, consent of farmer to use this treated water, availability of funds and agriculture land. • STP MULLANPUR (5 MLD): Survey has been done. Non availability of agricultural land and location of STP in residential area makes it non feasible. • STP Balloke (152+105=257 MLD):- It is important to note that in installing the underground irrigation project from STP a number of problems 		
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proposed to be covered under second phase of AMRUT. As discharge of STP is very large, therefore it has to be segregated into phases of 25 MLD. Tentative cost of 25 MLD STP is approx. 16.7 crores, thus tentative cost of 257 MLD will be approx. 167 crores and that of 60 MLD (to be constructed) will be approx. 40 crores.

- have to be faced as listed below:-
- a. Discharge of STP (317 MLD) is very large, and to utilize this water an area of 9057 ha is required .Thus area required is very large and it is not possible to utilize whole of the water as farmers are willing to use the treated water (1 or 2 irrigation) alternately with tubewell water. Also farmers of few villages are not ready to use this water. In the period of no demand, it will be difficult to handle such huge flow and ultimately it has to be discharged into Budha nallah.
 - b. There is no space available for sump well at STP site . In nearby villages some Govt. land is available but firstly it will be difficult to lay down large diameter pipes for conveyance of treated water as roads of adjoining villages are very narrow as urbanization is increasing, and also the villagers' consent is required to construct sump well in their village. It will be difficult to

execute the pipeline through residential areas.

c. Urbanization:- Most of the agriculture land in adjoining villages namely Balloke, Malakpur, Jainpur, Chuharpur have come under urbanization and small portion of land is left for agriculture. So the farmers are not interested for the use of treated waste water for irrigation.

d. Under Town planning, many villages namely Garha, Gorsian hakam Rai, Bhatha Dhua, Burj Lambran, Burj man Kaur Hambran, Bagga kalan, Talwara, Bagga khurd and Khaira Bet have been included.

e. Ludhiana-Rupnagar national highway 205K will include villages namely Ghumnewal, Burj lambran, Khark, Ladhowal.

Considering all these problems it would be very difficult to lay underground pipeline system for irrigation. But as per the reports of P.A.U. Ludhiana the treated water is fit for irrigation, feasibility report (all these problems mentioned) for irrigation project from STP Balloke (152+105+60=317

MLD) with rough estimate of Rs 183 crores has been sent to the Head of the Department. As the discharge of the STP is very large therefore it is proposed to be segregated into phases of 25 MLD. The tentative cost of 25 MLD STP is approx. 16.7 crores. Final estimate will be prepared after the availability of funds subject to quality of water, consent of farmers to use this treated water, availability of funds and agriculture land.

Note: -. Discharge of STP (257 MLD) is very large, and it requires an area of 8224 ha, 60 MLD requires an area of 1920 ha of agricultural land.

- Total agricultural land required- $8224+1920=10144$ ha. Thus area required is very large and it is not possible to utilize whole of the water as farmers are willing to use the treated water (1 or 2 irrigation) alternately with tubewell water. In the period of no demand, it will be difficult to handle such huge flow and ultimately it has to be discharged into Budha nallah.

		<p>6. Bhattian- The farmers are reluctant to use the treated water of STP. Meetings are being held with farmers to convince them to use this water for irrigation.</p> <ul style="list-style-type: none"> • Irrigation schemes which are not feasible = 1 <p>7. STP Sahnewal (7 MLD): Preliminary Survey of the STP was done and it was observed that STP is surrounded by</p>		<ul style="list-style-type: none"> • STP Bhattian :- Department of Soil and water Conservation has laid underground pipeline (approximately 8 Km) in 2011 from the Sewage treatment plant Bhattian (111MLD) in first phase for irrigation but the farmers stopped /refused to use this water for irrigation through this pipeline as they are not convinced about the quality of water from STP. Keeping in view Underground pipe line Project will be executed only after the water quality is assured and farmers give their consent to use the treated water for irrigation. The project will be completed after 2 years of final approval and availability of funds of the project. Final estimate will be prepared after the availability of funds subject to quality of water, consent of farmers to use this treated water, availability of funds and agriculture land. <p>STP Sahnewal (7 MLD): STP is Not-Feasible due to following factors:</p> <ol style="list-style-type: none"> 1. STP is surrounded by 		
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industrial and residential area, it is very difficult to lay down the Underground Pipeline through that area.

industrial and residential area, it is very difficult to lay down the Underground Pipeline through that area.

2. Agriculture land is not available nearby the STP. So, blind pipeline will be laid for 6-8 Kms to take the treated water to reach the agriculture land and sump well or reservoir is also required for the storage of treated water, then, treated water will be lifted from the sump well for irrigation.

3. Land acquisition will be required for creating Sump well/ reservoir which will increase the project cost.

4. Required area for this project will be approximately 400 Ha and due to urbanization of nearby villages may lead to decrease in cultivated land and use of treated water in future will also be affected and hence, cost will be high according to the benefitted area.

5. Farmers will also not use this treated water on daily basis, they will irrigate their fields one or two times only and hence, treated waste water generated on daily basis

				<p>shall flow into Buddha Nallah again.</p> <p>6. So, the overall Expenditure of lying the pipeline project will not be the productive as the treated water will again flow to the Buddha Nallah through-out the year. So, this project seems to be not feasible.</p> <p>Note:-</p> <ul style="list-style-type: none"> • These schemes are possible farmer's consent for using this water for irrigation and concerned department will assure quality of treated water. • Funds will be demanded from state Govt., under various schemes. 		
40.	Reuse of treated effluent through proposed STPs (New STPs) (OA no. 496/2016 dated 22.01.2021)	<p>1.STP BALLOKE (60 MLD): Preliminary Survey will be done and farmer will be made aware to use the treated water for irrigation. Pipeline will be laid subject to the quality of water, consent of the farmer to use the treated water, availability of agriculture lands, availability of funds and feasibility of project at that time.</p> <p>2.STP RAIKOT (7 MLD): Preliminary Survey will be done and farmer will be made aware to use the treated water for irrigation. Pipeline will be laid subject to the quality of water, consent of the farmer to use the</p>	Department of Soil Conservation	<p>STP BALLOKE (60 MLD): As discussed above along with STP Balloke 257 MLD</p> <p>STP RAIKOT (7 MLD): 28.02.24 (Project will be completed after 1 year of availability of funds)</p>	33% work completed. Work will be completed by 31.12.2023	The Chairman directed Department of Soil conservation to adhere the timelines of action plan.

treated water, availability of agriculture lands, availability of funds and feasibility of project at that time.

3. STP SAMRALA (4 MLD):

Preliminary Survey will be done and farmer will be made aware to use the treated water for irrigation. Pipeline will be laid subject to the quality of water, consent of the farmer to use the treated water, availability of agriculture lands, availability of funds and feasibility of project at that time.

4. STP JAMALPUR (225 MLD): STP Jamalpur 225 MLD is being made with SBR technology with disc filter technology after the tertiary treatment. This STP is replacement of old STP of 48 MLD of UASB technology. Preliminary Survey of the STP was done and it was observed that STP is surrounded by industrial and residential area, it is very difficult to lay down the Underground Pipeline through that area.

STP SAMRALA (4 MLD):

31.05.24 (Project will be completed after 1 year of availability of funds)

STP JAMALPUR (225 MLD)

Irrigation Project from STP is Not-Feasible due to following factors:

1. The industries and residential areas are constructed in such a manner that it is not possible to lay underground pipeline from STP. The agriculture land is available around 6 km away from STP Jamalpur.
2. Blind Pipeline of 6 Km will have to be laid to reach near the agriculture land. After that around 25 villages will be covered by this pipeline (command area approx. around 6428 Ha).
3. To utilize the treated

water optimally it is required to go against the natural gradient to cover the command area. There is need to construct minimum 2 numbers of sump well or reservoir from where the water is lifted for irrigation. For creation of sump well, land acquisition will be required, which will again affect the cost of the project.

Keeping in the view all the above factors the tentative cost of the project of laying underground pipeline, operational & maintenance cost will be very high.

4. While taking the view point of usage of treated water by farmers that they will use this treated water only once or twice per crop in their fields. Hence, treated waste water generated on daily basis shall flow into Buddha Nallah again, so, this project seems to be not feasible if cost of project and its benefits are compared.

However, the monitoring committee has directed to

				again work out and to prepare the scheme by 31.03.2024		
41.	Provision of ETPs for 2 dairy complexes located at Tajpur Road and Haibowal, Ludhiana.	Work yet to Start	MCL & PWSSB	<ul style="list-style-type: none"> • 3.75 MLD ETP Haibowal 50 % completed and completion date is 31.12.2023. • 2.25 MLD ETP Tajpur 38 % completed and completion date is 30.06.2024. 	-	The Chairman directed MCL and PWSSB to report the latest status of compliance in respect of each ETP before the next meeting.
42.	Provision of Biogas Plant for 2 dairy complexes located at Tajpur Road and Haibowal, Ludhiana.	<ul style="list-style-type: none"> • The Biogas plant for Haibowal Dairy Complex already installed and in operation. • The work for Tajpur Dairy Complex will be started after demarcation/signing of land lease agreement. 	PEDA	<p>Timeline: Tender has been placed.</p> <p>Implementation: 30.06.2024</p>		The Chairman directed PEDA to report the latest status of compliance before the next meeting.
43.	Installation, operation & maintenance of online continuous effluent monitoring system with flow meter as well as CCTV cameras for the existing STPs as well as new STPs to be installed.	<ul style="list-style-type: none"> • Total STP = 15 • OCEMS Provided = 11 	MCL, ULBs, GLADA, PWSSB	<ul style="list-style-type: none"> • STP Balloke (105 MLD & 152 MLD): Provided • STP Bhattian (111 & 50 MLD): Provided • STP Machhiwara (4 MLD): 31.12.2023. • STP Payal (1.5 MLD): Provided • STP Maloudh (1.5 MLD): Provided • STP Sahnewal (7 MLD): 31.12.2023 • STP Begowal, Doraha (1 MLD): Provided • STP Jagraon (16 MLD & 12 MLD): 31.12.2023 • STP Mullanpur (3 MLD): Provided • STP Khanna (29 MLD): 	<ul style="list-style-type: none"> • STP Sahnewal (7 MLD): <ul style="list-style-type: none"> i) CCTV Installed ii) Estimate prepared & requirement of funds amounting to Rs. 17.19 Lacs for installing OCEMS forwarded to MC • STP Jagraon (16 MLD) <ul style="list-style-type: none"> i) CCTV Installed ii) Estimate prepared & requirement of funds amounting to Rs. 20.24 Lacs for installing OCEMS forwarded to MC • STP Jagraon (12 MLD): Due to ongoing dispute work held up due to Arbitration case with contractor 	The Chairman directed MCL, ULBs, GLADA, PWSSB to ensure the compliance before the next meeting and report accordingly in respect of each STP.

				Provided <ul style="list-style-type: none"> • STP Araicha, Doraha (2.75 MLD): Provided • STP Rajgarh, Doraha (1 MLD): Provided. 		
44.	Activity w.r.t. In-situ remediation technology to be provided in the drains carrying untreated sewage.	<p>MCL: The work of rehabilitation of STPs under Project Rejuvenation of Budha Nalla of Ludhiana city has already started and is in progress so there is no need of installation of in-situ Bio-remediation technology and moreover it is not possible even as the discharge of Budha Nalla is very large.</p> <p>MC Raikot: Yet to prepared Will be completed by 31.12.2022</p> <p>MC Samrala: STP Installation is under process and will be installed by 31.08.2022</p> <p>DDPO:- The Ponds are being constructed in the villages to stop the untreated sewage in the drain. Total 38 villages have been identified out of which work has been completed in 03 villages, work is under process in 13 and work yet to be start in 22 villages.</p>	MCL, MCs and DDPO	<p>MCL STP Jamalpur, STP Balloke and rehabilitation of existing STP's of Ludhiana city Timeline = 31.12.2023</p> <p>MC Raikot: Yet to prepared. Will be completed by 31.12.2023</p> <p>MC Samrala: Activity Completed</p> <p>DDPO</p> <ul style="list-style-type: none"> • Funds have been received in 20 more villages and work in these villages will be completed by 31.12.2023. • Funds in the remaining 15 villages are yet to be allotted. Work will be completed within one year after the release of the. 		The Chairman directed MCL, MCs and DDPO to report the compliance before the next meeting. Also directed to adhere the timeline given in the District Environment Plan.

4. INDUSTRIAL WASTE WATER MANAGEMENT

(a) Current Status related to Industrial Waste water Management

Number of Red, Orange, Green and White industries in the District	Red Category unit = 2396, Orange Category unit = 2026, Green Category unit = 706 and White Category unit = 21	The Chairman directed the PPCB to give the numbers of industrial units discharging their trade effluent along with status of provision of effluent in plants by them. Status of thereof each CETP also be given separately along-with their capacity and number of industrial units connected with them. The details of monitoring by way of inspection and sampling also be given along-with compliance status.
No. of Industries discharging wastewater (generating trade effluent)	2369 i. No. of industries installed captive ETP = 548, ii. No. of industries joined CETP =1409 iii. No. of industries joined Re-processor =412	The Chairman directed the PPCB to report the status of 100% identification of water polluting industries in the district.
Status of Water Consent	<ul style="list-style-type: none"> Regular activity Total no. of industries requiring consent to operate under Water Act, 1974 as on 31.08.2023 Red = 2396 Orange =2026 Green=706 Total no. of units having consent as on 31.08.2023 Red = 2024 Orange =1704 Green=532 Timeline for grant of consents to the balance units not having valid consent. Red = 30.06.2024 Orange = 30.09.2023 Green= 31.12.2023 	The Chairman directed the PPCB to submit latest status of water consent by the industrial units in the District before the next meeting.
Total Quantity of industrial wastewater generated	144.85 MLD	The Chairman directed the PPCB to submit latest status before the next meeting
Quantity of treated industrial wastewater discharged into Nalas / Rivers	135 MLD	The Chairman directed the PPCB to submit latest status before the next meeting
Common Effluent Treatment Facilities	Installed =4 (CETP, Bhadurke road = 15 MLD & M/s JBR Technology, Focal point = 0.5 MLD, CETP, Tajpur Road, Module = 50 MLD & CETP, Focal Point, Module =40 MLD)	The Chairman directed the PPCB to submit latest status of compliance of environmental norms by CETPs before the next meeting.

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

S. No.	Action points	Gaps and ActionPlan	Responsible agency	Timeline for completion of action plan	Present Status	Decision taken during the meeting
1.	Compliance to discharge norms by Industries	Necessary action is being taken against the industries not meeting the standards.	PPCB	Regular activity	Regular activity	The Chairman directed the PPCB to submit latest status of compliance of environmental norms before the next meeting.
2.	Complaint redressal system	Online compliant system already developed and web link is https://connect.punjab.gov.in/grievance/save	PPCB	Activity completed	Activity completed	The Compliance was noted
3.	CETP for cluster of Dyeing Industries of Ludhiana	Completed. 100 % work completed. 100 % work completed.	PPCB	CETP 15 MLD = Commissioned. CETP 40 MLD = Commissioned CETP 50 MLD = Commissioned	Activity completed	The Chairman directed the PPCB to submit latest status of compliance of environmental norms by each CETP before the next meeting.
4.	Shifting of small scale scattered dyeing units in Ludhiana	Various Industrial plots from time to time are put up on e-auction by PSIEC for shifting of Industry to 15 acre pocket Tajpur Road Ludhiana. The small scale scattered dyeing units are being directed either to shift to CETP compatible area or to upgrade its ETP as per the ZLD technology. Further action is under process.	PSIEC	Time Target: 31.03.2024 (Except the unit adopted the ZLD)	-	The Chairman directed the PPCB to submit latest status of compliance before the next meeting.
5.	Construction of Slaughter house and Caracass plant a. Modernization of existing slaughter house located at Ludhiana	The work of slaughter house has been completed and is working.	Municipal Corporation, Ludhiana	Work completed	Activity completed	The Chairman directed MCL report operational status of the slaughter house and carcass plant. He directed PPCB to report monitoring results of ETPs of them before the next meeting.
	b. Rendering Plant	<ul style="list-style-type: none"> Tenders already floated. 	MCL	Time Target: 31.12.2023	Rendering plant not required as waste material is being lifted by the agency hired by MCL.	The Chairman directed MCL to ensure completion of work by the target date of 31.10.2023 and report before the next meeting.

	c. Installation of Carcass utilization plant.	<ul style="list-style-type: none"> The work has been completed. 	MCL	Installed	Activity completed	The Chairman directed MCL to report operational status of the carcass plant.
6.	Installation of Online Continuous Monitoring System by	Already installed.	PPCB	Already installed	Activity completed	The Chairman directed PPCB to report operational status of OCEMS and analysis results thereof.
	1. CETP for electroplating units					
	2. CETP 50 MLD for dyeing cluster at Tajpur Road, Ludhiana	CETP commissioned.	PPCB	Installed	Activity completed	The Chairman directed PPCB to report operational status of OCEMS and analysis results thereof.
	3. CETP 40 MLD for dyeing cluster at Focal Point, Ludhiana	CETP commissioned.	PPCB	Installed	Activity completed	The Chairman directed PPCB to report operational status of OCEMS and analysis results thereof.
	4. CETP 15 MLD for dyeing cluster at Bahadurke Road, Ludhiana	Installed	PPCB	OCEMS installed	Activity completed	The Chairman directed PPCB to report operational status of OCEMS and analysis results thereof.
	5. 17 categories of industries.	OCEMS already installed.	PPCB	OCEMS installed	Activity completed	The Chairman directed PPCB to report operational status of OCEMS and analysis results thereof.
	6. Industries with discharge more than 50 KLD and not connected with any CETP.	<ul style="list-style-type: none"> Total units required OCEMS =53 OCEMS Installed =53 <p>The sealing of the closed boxes of OCEMS has been started.</p>	PPCB	Installed, Activity completed	Activity completed	The Chairman directed PPCB to give latest report on installation and operational status of OCEMS and analysis results thereof. Also of sealing of the closed boxes of OCEMS.
<ul style="list-style-type: none"> Sealing of closed boxes of OCEMS 						

7.	Installation of Electromagnetic flow meters at inlet and outlet of ETP.	The most of the industry have already installed the EMF meters. The rest of the unit will be directed to provide the same within this period.	PPCB	Activity completed	Activity completed	The Chairman directed PPCB to give latest report on installation and operational status of EMF meters at inlet and outlet of ETPs.
8.	Inspection of units to check compliance	Inspection already being made	PPCB	Regular activity	Regular activity	The Chairman directed PPCB to give numbers of water polluting industries and numbers of units checked in last six months and action taken against the defaulters.

5. MINING ACTIVITY MANAGEMENT PLAN

(a) Current Status related to Mining Activity Management

Details of Data Requirement	Existing Mining operations	Decision taken during the meeting.
Type of Mining Activity	Sand Mining	
No of licenced Mining operations in the District	12	
% Area covered under mining in the District	0.024	
Area of Sand Mining	0.9349 Sq Km	
Area of sand Mining	River bed= 0.7425 Sq km Non –river deposit = 0.3867 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	Present Status	Decision taken during the meeting.
1.	Monitoring of Mining activity	A district level task team Already Constituted	Department of water resources	Regular activity	Regular activity	The Chairman directed mining department report the status of checking of mining activities before

						the next meeting.
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	Regular activity	The Chairman directed mining department to submit Inventory of illegal mining before the next meeting.
3.	Environment compliance by Mining industry	Regular surveillance, patrolling is being carried out to check the compliance.	Department of water resources	Regular activity	Regular activity	The Chairman directed the mining department to report work done to check compliance of environment norms in mining activities before the next meeting.
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/lease and the same has been checked on regular basis by concerned Revenue Department in presence of Mining Department by DGPS System.	Drainage Department	Regular Activity	Regular activity	The Chairman directed to report the latest status of compliance before the next meeting.
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)	ii. As per the guidelines, there is provision for obtaining E.C before commencement of mining. iii. According to the SSMMG, 2016 issued by MOEF&CC, mining work is restricted from riverbed during the monsoon season. (Thus in the month of July, August and September in the State.)	Drainage Department	Regular activity	Regular activity	The Chairman directed to report the latest status of compliance before the next meeting.
6.	No sand mining is permitted without due compliance of the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 as well as regulations governing clearances by the Central Ground Water Authority. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	The conditions mentioned in the Environmental Cleanliness Certificate issued by the State Level Environment Impact Authority (SEIAA), are being followed. No Mining operations in the leveled riverbed shall be carried out beyond the depth of 3 meters or water level whichever is less/lower.	Drainage Department	Regular activity	Regular activity	The Chairman directed to report the latest status of compliance before the next meeting.

7.	District authorities shall seize all sump pumps, other machinery, tools, vehicles, etc. used for carrying out illegal sand mining. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	Machinery/vehicles/tools/sumps-pumps found on illegal mining spot is being seized by the Concerned Authorities and handed over to the Police Administration.	Drainage Department	Regular activity	Regular activity	The Chairman directed to report the latest status of compliance before the next meeting.
8.	Any penalty imposed or not by concerned Department to cover the restoration cost of environment and to compensate the victims. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	While examine the illegal mining spot penalty imposed by the concern department by following the proper guidelines laid by Govt./Hon'ble NGT from the land owners and the Machinery owners.	Drainage Department	Regular activity	Regular activity	The Chairman directed to report the latest status of compliance before the next meeting
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	Regular activity	The Chairman directed to report the latest status of compliance before the next meeting.
10.	Status of CCTV Cameras installation at mining points to verify the amount of sand extracted. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	CCTV cameras has been installed at mining points and integrated with Govt. Web-Portal.	Drainage Department	Activity completed	Activity completed	The Chairman directed to report the latest status of compliance before the next meeting.
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	Regular activity	The Chairman directed to report the latest status of compliance before the next meeting.
12.	Status of daily reports regarding mining to be filed by SHO/ Mining officer to be sent to District Magistrate. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	Regular checking's and inspections are conducting for prevention of illegal mining activity in District by the Special Flying squads time to time and when required & for daily patrolling/checking and regular checking's the report has been sent to DC/DM/DMO.	Police Department & Drainage Department	Being followed.	Regular activity	The Chairman directed to report the latest status of compliance before the next meeting.
13.	Status of vehicles confiscation. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	In Compliance of the Rules and Guidelines laid down by State Govt. & Hon'ble NGT Total 451 FIR's has been lodged under the jurisdiction of	Police Department & Drainage	Regular activity.	Regular activity	The Chairman directed to report the latest status of compliance before the next meeting.

		District Ludhiana and total 655 No's Vehicles has been impounded by the Concerned Officials during the period of 01/2018 to 06/2021	Department			
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 31.12.2023.		The Chairman directed to report the latest status of compliance before the next meeting.
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 Different Departmental Officials has been prepared for inspection on monthly basis by District Administration (Ludhiana).	Drainage Department	Regular activity	Regular activity	The Chairman directed to report the latest status of compliance before the next meeting.
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.	Drainage Department	Tender has been done, time of completion 31.12.2023.		The Chairman directed to report the latest status of compliance before the next meeting.
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 identified sensitive spots.	Police Department	Regular Activity	Regular activity	The Chairman directed to report the latest status of compliance before the next meeting.
18.	Storage Godowns should be at least 5 kms away from the river bank.	The storage godowns/ stock yards established outside the river bank and maximum storage	Drainage Department	Regular Activity	Regular activity	The Chairman directed to report the latest status of compliance before the

	Otherwise, illegal mining can be carried on under the garb of storage by the leaseholder himself. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	godowns more than 5kms from the pit site. However, during the upcoming monsoon season more effective measures will be taken up for compliance of this guideline.				next meeting.
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/lease 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	Activity Completed	The Chairman directed to report the latest status of compliance before the next meeting.
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 smartphone available in market, to get the desired information of the minor mineral.	Drainage Department	Regular Activity	Regular Activity	The Chairman directed to report the latest status of compliance before the next meeting.
21.	There has to be an effective mechanism for restoration of environment in case of its degradation due to mining. A portion of the royalty could be reserved for it as Environment Restoration Fund. The Environment Department can empanel	At present stage no such problem or situation occurs in District Ludhiana & during the mining activity in Agricultural/non riverbed mine area, the plantation is being carried out in the land under the mine lease if it belong to the state/central Govt., & where-ever the land	Drainage Department	Regular Activity	Regular Activity	The Chairman directed to report the latest status of compliance before the next meeting.

	some reputed institutions 21 with standard terms for preparing environmental restoration plans which could be used directly by the Mining Department without the arduous formalities. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	belongs to the private land owners the crops/farming is being done by the owners, so that the land with sandy strata is converted into the fertile land by removing the sand in such land.				
22.	States/UTs to strictly follow the SSMG-2016 read with EMGSM-2020 reinforced by mechanism for preparation of DSRs. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021)	The DSR of District Ludhiana is approved by the DC, Ludhiana vide letter no. 4949/DRA dated 15.10.2020 after preparing the revised DSR by the Mining Department and uploading the same on the website of District Ludhiana. During the action against illegal mining activity, if any type of vehicle (Tractor Trolley/Truck/Tipper/JCB/Poclaim/ other vehicle) got impounded/seized during the action, after the proper legal procedure taken by the concerned department the such vehicle is released.	Drainage Department	Regular Activity	Regular Activity	The Chairman directed to report the latest status of compliance before the next meeting.
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)	Annual report submitted Activity completed.	Drainage Department	Activity completed	Activity completed	The Chairman directed to report the latest status of compliance before the next meeting.

6. NOISE POLLUTION MANAGEMENT PLAN

(a) Current Status related to Noise Pollution Management

Details of Data Requirement	Measurable Outcome	Present Status	Decision taken during the meeting.
No. of noise measuring devices	Name of agency = Police	Under Progress, activity	The Chairman directed the police department to

available with various agencies in district	Nos. of analyzers required = 122 Nos. of analyzers available = 05 Timeline to arrange balance noise analyzers = 117 (By Police Department i.e. one meter to each SHO)	will be completed well before 31.12.2023	ensure procurement of required nos. of noise meters by 31.10.2023 and report before the next meeting.
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(b) Identification of gaps and action plan:

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action Plan	Present Status	Decision taken during the meeting.
1.	Availability of Sound/ Noise Level Meters.	<ul style="list-style-type: none"> Nos. of analyzers required = 122 Nos. of analyzers available = 05 Timeline to arrange balance noise analyzers = 117 (By Police Department i.e. one meter to each SHO) 	PPCB and Police Department	PPCB= 31.12.2023 for purchase of additional 3 analyzer. Police Department = 31.12.2023 for purchasing required analyzers.	-	<ul style="list-style-type: none"> The PPCB informed that they have required nos. of noise meters to check industrial noise pollution. The Chairman directed the police department to ensure procurement of required nos. of noise meters by 31.10.2023 and report before the next meeting.
2.	Ambient Noise Level monitoring	4 nos. ambient noise level monitoring stations are to be installed	PPCB	31.12.2023	Under Progress	The Chairman directed the PPCB to report the latest status of compliance before the next meeting.
3.	Signboards in Noise zones	Sign boards are installed at sensitive zones. More sign board will be installed	ULBs	31.12.2023	56 Nos of Sign boards are installed at sensitive zones. More sign board will be installed	The Chairman directed the ULBs to report the latest status of compliance before the next meeting.
4.	Complaint redressing system	Public complaint redressal system already established in the district and web link is https://connect.punjab.gov.in/grievance/save	District Administration, Police Department and PPCB	Activity completed	Activity completed	The compliance was noted

5.	Checking of pressure horn of vehicles	Regular checking of vehicle is being done by the police department and same activity will be continued.	Police Department.	Regular activity. The checking is done twice in a month.	Regular activity Report attached	The Chairman directed to report the work done in this regard before the every meeting of DEC.
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List of participants

1.	Er. Kanwaldeep Kaur, Environmental Engineer, Punjab Pollution Control Board, Regional Office-1, Ludhiana
2.	Er. Rubal Goyal, Assistant Environmental Engineer, Punjab Pollution Control Board, Regional Office-1, Ludhiana
3.	Sh. Ekjot Singh, XEN Municipal Council
4.	Sh. Kamalpreet Singh, FRO, Ludhiana
5.	Sh. Yadwinder Singh, DE (PH) GLADA
6.	Sh. Rajesh Kumar, SDO GLADA
7.	Sh. Amandeep Singh, Office of DDPO, Dehlon
8.	Sh. Amninder Singh, Office of BDPO, Machhiwara
9.	Sh. Satnam Singh, SE, NC Samrala
10.	Sh. Pushpinder Kumar, EO, Municipal Council, Samrala
11.	Dr. Vipal Malhotra, MOM
12.	Sh. Rajdeep Singh, DM, PEDDA
13.	Sh. Balwinder Singh, TA, PEDDA
14.	Sh. Gagandeep Singh, SDO, Drainage
15.	Ms. Sanjogita, SI, Municipal Council, Khanna
16.	Sh. Harpreet Singh, Supdt., Municipal Council, Raikot and Mulanpur
17.	Sh. Vikramjeet Singh, Executive Officer, Municipal Council, Sahnewal
18.	Sh. Gurpal Singh, Municipal Council, Machhiwara
19.	Ms. Jyoti, Additional Deputy Commissioner (UD)
20.	Deputy Director of Factories 1-4, Factory Department, Ludhiana
21.	Deputy Director of Factories 7, Factory Department, Ludhiana
22.	Sh. Sanjay Sharma, DFSC, Ludhiana
23.	Sh. Lavesh Jain, DWSS, Ludhiana 3
24.	Ms. Nidhia Batta, Sub Divisional Cons. Officer, Ludhiana
25.	Ms. Shavinderpal Kaur, SCO, Deptt. Of Soil & Water Conservation, Ludhiana
26.	Inspector Nirdosh Kaur, Admncity Traffic, Ludhiana
27.	Dr. VK Verma, PRSC, Payal

28.	Sh. Sukhdarshan, SI, Nagar Council, Machhiwara
29.	Sh. H.S. Shergill, Executive Officer, Doraha/Maloudh
30.	Sh. Parul Goyal, XEN, Punjab Water Supply & Sewerage Board
31.	Dr. Sheetal Rohit, MO, Civil Surgion, Narang Office
32.	Sh. Amanpreet Singh, AEE, CAO Ludhiana Office
33.	Sh. Ashwani Kumar, SI, Payal