



Regional Office
Haryana State Pollution Control Board,
SCO 161 - P, 162, 163 SECOND FLOOR SECTOR 20, HUDA KAITHAL
Email-hspcbrokai@gmail.com



No. HSPCB/KAI/2023/471

Dated: 21/6/2023

To

The Member Secretary,
Haryana State Pollution Control Board,
Panchkula.

Sub : District Environment Plan in OA No. 360 of 2018

In this regard, please find enclosed herewith copy of updated District Environment Plan of Kaithal duly signed by the Deputy Commissioner, Kaithal Region.

In view of above, it is requested that updated District Environment Plan of Kaithal may be uploaded of website of the Board, please.

DA/ copy of approval alongwith DEP.

KAMALJI
T SINGH
Regiona
Kaithal Region

Digitally signed by
KAMALJI SINGH
21
05:30

प्रेषक

उपायुक्त कैथल।

सेवा में

क्षेत्रीय अधिकारी,
प्रदूषण नियन्त्रण बोर्ड कैथल।

क्रमांक 1018 / एल0एफ0ए0 दिनांक 21-6-2023

विषय:-

Preparation of District Environment Plan/State Environment Plan
in Pursuance of Hon'ble National Green Tribunal's order dated 26-
9-2019 in case O.A No. 360/2018.

यादी:-

विषयोक्त मामले बारे आपके कार्यालय के पत्र क्रमांक
HSPCB/KAI/2023/448 dated 16-6-2023 के संदर्भ में।

संदर्भित पत्र द्वारा प्राप्त तैयार District Environment Plan स्वीकृति
उपरान्त आपको भेजकर लिखा जाता है कि इसे संबंधित साइट पर आनलाइन अपलोड
करना सुनिश्चित करें।

कृते: उपायुक्त कैथल।



Regional Office

Haryana State Pollution Control Board,

SCO 161 - P, 162, 163 SECOND FLOOR SECTOR 20, HSVP KAITHAL

Email-hspcbrokai@gmail.com



No. HSPCB/KAI/2023/ 448

Dated: 16/06/2023

To

The Deputy Commissioner
Kaithal

Sub: Preparation of District Environment Plan/State Environment Plan in pursuance of Hon'ble National Green Tribunal's Order dated 06.09.2019 in case O.A No. 360/2019-reg.

In this connection, pls find the compiled District Environment Plan enclosed herewith as per the template provided by CPCB and the detail provided by the concerned Departments

It is requested to your goodself that the same may please be approved from the District Planning Committee and forwarded to the Director General, Department of Environment, Haryana.

[Signature]
Regional Officer,
Kaithal Region

Endst. No. HSPCB/KAI/2023/ 449

A Copy of above is forwarded to the Member
Pollution Control Board, Panchkula for information pls.

Dated: 16/06/2023
Secretary, Haryana State

[Signature]
Regional Officer,
Kaithal Region

B/c.

District Environment Plan

**District Kaithal
(Haryana)**



**District Administration
&
Haryana State Pollution Control Board
Kaithal**

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Background

Hon'ble National Green Tribunal in order dated 26.09.2019 in O.A. No. 360/2018, M.A. No. 823/2018[SLP (Civil) No. 2959/2014] titled as Shree Nath Sharma Vs Union of India & Ors ordered regarding preparation of District Environment Plan. This Tribunal in O.A. No. 606/2018, while dealing with the compliance of Municipal Solid Waste Management Rules, 2016 also flagged other issues and required monitoring at the level of the Chief Secretaries and the District Magistrates.

In the above said order dated 26.09.2019, it is stated that among others

12. The Department of Environment of all States and Union Territories may collect such District Environment Plans of their respective States and finalize the 'State Environment Plan' covering the specific thematic areas referred in Para-7 including information as contained in Para-8 and template of Model/Models District Environment Plan provided by the CPCB. The action for preparation of State's Environment Plan shall be monitored by the respective Chief Secretaries of States and Administration of UTs. Let this action be completed by 15.12.2019 and compliance be reported to the Tribunal by 31.12.2019.

13. Based on States and UTs Environment Plans, MOEF & CC and CPCB shall prepare country's Environment Plan accordingly. Let the Secretary, MOEF & CC and Chairman, CPCB steer the preparation of country's Environment Plan. Let their action be completed by 31.01.2020 and compliance be reported to the Tribunal by 15.02.2020.'

Hon'ble NGT, New Delhi also referred to order dated 15.07.2019 in O.A. No.710/2017, Shailesh Singh vs. Sheela Hospital & Trauma Centre, Shahjahanpur & Ors. directing as follows:

"We find it necessary to add that in view of Constitutional provisions under Articles 243 G, 243 W, 243 ZD read with Schedules 11 and 12 and Rule 15 of the Solid Waste Management Rules, 2016, it is necessary to have a District Environment Plan to be operated by a District Committee (as a part of District Planning Committee under Article 243 ZD) with representatives from Panchayats, Local Bodies, Regional Officers, State PCB and a suitable officer representing the administration, which may in turn be chaired and monitored by the District Magistrate. Such District Environment Plans and Constitution of District Committee may be placed on the website of Districts concerned. The monthly report of monitoring by the District Magistrate may be furnished to the Chief Secretary and may be placed on the website of the district and kept on such websites for a

period of one year. This may be made operative from 1.08.2019. Compliance of this direction may also be seen by the Chief Secretaries of the States/UTs. This may not only comply with mandate of law but provide an institutional mechanism for effective monitoring of environment norms.”

Hon'ble National Green Tribunal in O.A. No. 360/2018 dated 26.09.2019 ordered regarding preparation of District Environment Plan/State Environment. In the above said order, it is also stated that the action for preparation of state's Environment Plan shall be monitored by the respective Chief Secretaries of the state and admirations of the Union Territories. Based on the state and UTs Environment Plans, MOEF & CC & CPCB shall prepare country's Environment Plan. In this regard, Director, Environment & Climate Change Department, Haryana directed to all District Magistrates & Regional Officers of HSPCB for preparation of District Environment Plan (DEP) as per the orders of Hon'ble NGT with covering specific thematic areas as referred in para no. 7 of said NGT orders dated 26.09.2019 vide his Memo No. DEH/2020/6021-56 dated 06.01.2020. Plan shall be covering the specific thematic areas as mentioned below: -

The District Environmental plans cover the following environmental issues:

- ❖ Municipal Solid Waste Management
- ❖ Plastic Waste Management
- ❖ Construction and Demolition Waste (C&D)
- ❖ Biomedical Waste Management
- ❖ Hazardous Waste Management
- ❖ E-Waste Management
- ❖ Water Quality Management Plan
- ❖ Domestic Sewage Management Plan including Status of STPs and their performance & Utilization/Re-used of treated effluent
- ❖ Industrial Wastewater Treatment and its Utilization and Management Plan including Status of CETPs/ETPs
- ❖ Air Quality Management Plan
- ❖ Mining Activity Management
- ❖ Noise Pollution Management

Objectives of District Environment Plan:-

In the process of development, the issues confronting today are achieving desired development for economic or social reasons on one hand and safeguarding the environment and maintaining good quality of life on the other. While taking up developmental activities, the assimilative capacities of the environmental components i.e. air; water and land to various types of pollution are rarely considered. Also, lack of proper land use control is resulting in poor land use compatibility. The developmental activities being haphazard and un-controlled are leading to overuse, congestion, incompatible land use and poor living conditions. The problems of environmental pollution are becoming complex and are creating high risk environment.

Conventionally, the environmental pollution problems are solved by introducing environmental management techniques such as control of pollution at source, providing of sewage treatment facilities etc. However, environmental risks are not being controlled completely by such solutions. The environmental aspects are to be induced into each of the developmental activities at the planning stage itself and are to be well co-ordinate and balanced.

Presently, the environmental aspects are not usually considered while preparing master plans or regional plans and the process is skewed towards developmental needs. For all developmental activities, a crucial input is land and depending on the activity a specific land use is decided. The environmentally related land use such as trade and industry, housing construction, mining etc. is likely to have some impact on the environment. These land uses need proper planning and integration as some of the activities have interdependencies such as industry with transport, housing etc. The various Objectives of District Environment and Management Plan (DEMP) are described below: -

1. To ensure conservation of environment and natural resources at district level.
2. Restore ecological balance.
3. To achieve the Sustainable Development Goals and district level targets within the prescribed timeline.
4. To ensure sustainability at district level following the principles of resource efficiency.
5. To ensure decentralized micro level planning, execution and monitoring regarding environment conservation.
6. To incorporate all facets of environmental conservation in micro level planning.

7. To harness active participation of all stakeholders in planned environment conservation actions.
8. Assess, Mitigate and monitor adverse impacts of various pollution sources at district level.
9. Capacity building of stakeholder, department, agencies, organizations and individuals at district level to understand and implement micro level environmental conservation actions.
10. To harness inter-departmental coordination for implementation of action plans.
11. To develop local knowledge centers and expertise for developing environmental conservation strategies at district level.
12. To develop and implement micro monitoring system at district level.

Monitoring Mechanism for implementation of District Environment Plan:-

The District Environment Committees have been constituted in compliance with the directions of Hon'ble NGT and orders of the Secretary, Environment & Climate Change, Govt. of India in pursuance of the direction thereof. The District Environment Plans have been prepared in each district in the State by involving the stakeholder Departments after conducting workshops and under the supervision of District Environment Committee (DEC) headed by the Deputy Commissioner concerned. District Environment Plans (DEPs) comprising various issues & timelines for management of Solid Waste, Domestic Waste, Plastic Waste, C&D Waste, Biomedical Waste, Hazardous Waste, Air Pollution, E-Waste, Water Quality, Industrial Waste Water, Mining Activity and Noise Pollution etc.

The implementation of the DEP requires coordinated efforts of multiple stakeholders and focus on priorities. This would require close monitoring. The District Environment Monitoring Committee has been constituted and constitution of the committee is as under-

Additional Deputy Commissioner	Chairman
Commissioner in case of Municipal Corporation & District Municipal Commissioner	Co-Chairman
Chief Executive Officer, Zila Parishad	Member
Superintending Engineer, PWD (B&R)	Member
Superintending Engineer, PHED	Member

Superintending Engineer, Irrigation Department	Member
Chief Medical Officer, Health Department	Member
Estate Officer, HSIIDC	Member
District Mining Officer	Member
District Forest Officer	Member
Deputy Superintendent of Police (HQ)	Member
Regional Officer, HSPCB	Member Secretary

Roles and responsibilities of the Committee: - The roles and responsibilities of the above said committee will be as under:-

- The Committee shall review the district environment plans and give the suggestions/comments on DEP, if any.
- The Committee shall meet once in a month and review the status of implementation of DEP.
- The Committee shall submit its monthly reports regarding monitoring of DEP to District Environment Committee and make suggestions too.
- The Committee shall also visit the sites once in three months to check the implementation of DEP on ground.
- The Committee shall ensure the active participation of each department and inter-departmental coordination for implementation of DEP.
- The Committee shall take measures for effective enforcement of prohibited activities under DEP.
- The Committee shall prepare a detailed road map for activities for capacity building of stakeholder, departments, agencies, organizations and to build awareness & outreach among public to understand and implement micro level environmental conservation actions.

1.0 District Profile

Kaithal came to existence as district of Haryana in 1989. Kaithal is the north eastern district of Haryana State with a total geographical area of 2317 sq. Km (approx 228000 hac) is located between 29 degree 31 min to 12 min North latitudes and 76 degree 10 min to 76 degree 42 min east longitude. The elevation varies from 217 m to 252 m from mean sea level with a gentle slope from North-East to South-west. On the basis of physiographically, the district may be divided in two units: the upland plain and the low lying areas. The upland is spread along the North Eastern boundary of the district, while the low lying area covers the southern part of the district. The boundaries of Kaithal district are touching the three districts of Haryana namely Karnal, Jind and Kurukshetra and the Patiala district of Punjab.

Its north west boundaries which include GuhlaCheeka is attached to Punjab State. It has Kurukshetra in north and Nissing, Asandh area of Karnal District. Kaithal is attached to Jind in South and to Karnal in east. The slope of the district is from North-east to south-west, the direction in which most of the river/ nadis of the area flow down. It is gently sloping plan area however, we can divide the region into three physiographic division on the basis of minor variation: Ghaggar Flood plain, Bet Kaithal and Kaithal Plain. Ghaggar Flood plain covers northern and north westerns part of Guhla tehsil. The flood plain is gently sloping towards South-west in which direction the Ghaggar River flows. The soils are river borne and soft loam and silty clay. The region is fertile and suitable for producing variety of crops. But kaithal lies to the south of Ghaggar flood plain extending over southern part of Guhla tehsil. Loam type of soils are found in the region. Kaithal plain extends over lower half of the district covering whole of Kaithal tehsil.

a. District Administrative Set-up



b. Local institutions

Kaithal district comprises four tehsils: Kaithal, Guhla, Pundri, Siwan and Kalayat and the three sub-tehsils of Rajound, Dhand and Siwan. The four haryana VidhanS abha Constituencies located in the district are Guhla, Kaithal, Kalayat, Siwan and Pundri. All of these are part of Kurukshetra Lok Sabha Constituency.

c. Natural Resources .

- Water bodies

The Ghaggar and Markanda Rivers are important seasonal rivers in the district and flows through the Northern part of the district covering Guhla block in westerly direction and enters Patiala district. Besides Sirsa branch which is part of western Yamuna Canal system , is most important canal passing through the Pundri, Kaithal and Kalayat blocks area .

- Availability of water resources

The Sirsa branch is the major source of canal irrigation. The canal passes through the Pundri, Kaithal and Kalayat blocks of the district. Out of 200000 ha net irrigated area, 9000 ha is irrigated by canal and 191000 ha is irrigated by ground water. About 95.5% of the irrigation is based on ground water sources.

- Forest coverage

Total geographical area of district is around 228000 ha. Among this around 3000 ha is forest area.

d. Geography & Demography

Kaithal district is somewhat compact shaped having geographical area of 2,317.00 sq. kms. (Containing 104.30 sq. kms of urban area and 2212.70 sq. kms of rural area)

Description	Census 2011
Actual Population	1072861
Male	570595
Female	502266
Population growth	13.39%
Density, sq. km	463
Sex ratio(per 1000)	880
Average literacy rate	70.60%
Male literacy	79.30%
Female literacy	60.70%

e. Land-use patter

Total geographical area of district is around 228000 ha. Among this around 3000 ha is forest area whereas around 22000 ha are considered as land under non-agricultural use. Approx. 1000 ha is barren and uncultivable land.

f. Climate

The climate of Kaithal district can be classified as tropical steppe, semi arid and hot which is mainly dry with very hot summer and cold winter except during monsoon season when moist air of oceanic origin penetrates into the district. There are four seasons in year. The hot weather season starts from mid march to last week of the June followed by the south west monsoon which lasts up to September. The transition period from September to October forms the post monsoon season. The winter season starts late in November and remains upto first week of March. During the hot weather season the mean maximum temperature goes up to 42 degree goes down (mean minimum) up to 4 to 5 degree Celsius (January).

2.0 Indicative Gap Analysis and Action Plans for complying with Waste Management Rules

(i) Solid Waste Management

a. Current status related to solid Waste management

	Urban Local bodies	No of Wards	No of Households	Population	Solid Waste Generated per day
1	Municipal corporations (Nagar Nigam or MahanagarPalika)	-	-	-	-
2	Municipalities (MC KAITHAL)	31	44000	144000	95 TDP
	MC Pundri	13	5422	20118	12 TPD
	MC CHEEKA	17	14356	38952	26 TPD
	MC KALAYAT	13	4040	18660	15 TPD
	MC RAJOUND	13	4161	17434	14.5 TPD
	MC Siwan	15	6011	23882	13.95 TPD
3	Nagar panchayats (Town area Councils)	-	-	-	-

	Local Bodies	No of Village Panchayats/ Blocks	No of Households	Population	Solid Waste Generated per day
2	Block /Taluk / Mandal Tehsils	07	71979	239164	124.5 TPD
3	Village/Gram Panchayats	278	167756	878826	152.5 TPD

b. Identification of gaps and Action plan:

1. Segregation

S. No	Action points For villages /blocks/ town municipalities / City corporations	identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan						
					DDPO	MC KAITHAL	MC PUNDRI	MC CHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
(i)	Segregation of waste at source	Whether segregation at source practiced by households and other waste generators	Action plan to achieve segregation at source. Awareness programs, incentives, etc. may be considered	<ul style="list-style-type: none"> •DDPO. •ULB 	Yes 100%, Target Achieved	Yes 100%, Target Achieved	Yes 100%, Target Achieved	Yes 100%, Target Achieved	Yes 100%, Target Achieved	Yes 100%, Target Achieved	Yes 100%, Target Achieved

2. Sweeping

S. No.	Action points For villages /blocks/ town municipalities / City corporations	identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan						
					DDPO	MC KAITHAL	MC PUNDRI	MC CHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
(i)	Manual Sweeping	Example:- % or length of road not covered for regular sweeping - Gaps in manpower - Gap in availability of sweeping tools/ equipment - Availability of suitable PPEs	Action plan for reducing gap including method cleaning, frequency of sweeping etc.	ULB DDPO	No Road cover for regular sweeping by village Safaikaram charies Total No. of SafaiKaram charies 508. Sweeping tool given by Safai KaramchariesKassi, Tasla, Jharu, Rahri Yes, PPEs are available.	Yes, Manual Sweeping done on regular basis once in residential areas and twice times in commercial areas. There is no Gap in Manual Sweeping. 100 % Target Achieved.	Yes, Manual Sweeping done on regular basis once in residential areas and twice times in commercial areas. There is no Gap in Manual Sweeping. 100 % Target Achieved.	Yes, Manual Sweeping done on regular basis once in residential areas and twice times in commercial areas. There is no Gap in Manual Sweeping. 100 % Target Achieved.	Yes, Manual Sweeping done on regular basis once in residential areas and twice times in commercial areas. There is no Gap in Manual Sweeping. 100 % Target Achieved.	Yes, Manual Sweeping done on regular basis once in residential areas and twice times in commercial areas. There is no Gap in Manual Sweeping. 100 % Target Achieved.	Yes, Manual Sweeping done on regular basis once in residential areas and twice times in commercial areas. There is no Gap in Manual Sweeping. 100 % Target Achieved.

Sr. No.	Action points For villages /blocks/ town municipalities / City corporations	identification of gap	Action Plan	Responsible agencies	DDPO	MC KAIHAL	MC PUNDRI	MC CHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
(ii)	Mechanical Road Sweeping & Collection	Gaps if any in a targeted area or length of road identified for Mechanical Road Sweeping	Project growth / intention plan with time line	DDPO ULB	Nil	Zero Gap , Mechanical Sweeping initiated and in Operation Mechanical Sweeping of Large Roads Initiated in city by Truck Mounted m/c And also night sweeping done in commercial and residential area.	Zero Gap , Mechanical Sweeping initiated and in Operation Mechanical Sweeping of Large Roads Initiated in city by Truck Mounted m/c And also night sweeping done in commercial and residential area.	Zero Gap , Mechanical Sweeping initiated and in Operation Mechanical Sweeping of Large Roads Initiated in city by Truck Mounted m/c And also night sweeping done in commercial and residential area.	Manually Sweeping done in all wards & All Roads of commercial areas. (Committee has observed that total road length is less than 5Km so Mechanical road sweeping is not feasible)	Manually Sweeping done in all wards & All Roads of commercial areas. (Committee has observed that total road length is less than 5Km so Mechanical road sweeping is not feasible)	Manually Sweeping done in all wards & All Roads of commercial areas. (Committee has observed that total road length is less than 5Km so Mechanical road sweeping is not feasible)

3. Waste Collection

S. No.	Action points For villages /blocks/ town municipalitie s / City corporations	identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan						
					DDPO	MC KAITHAL	MC PUNDRI	MC CHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
(i)	100% collection of solid waste	Whether 100% collection achieved?	Action plan to improve existing collection	ULB DDPO	100 % collection in 32 villages in 7 Blocks	Yes, 100% collection of solid waste by M/S Sugam Swachhta Private Limited (ISWM-Karnal Cluster) No gap is assessed Target achieved	Yes, 100% collection of solid waste by M/S Sugam Swachhta Private Limited (ISWM-Karnal Cluster) No gap is assessed Target achieved	Yes, 100% collection of solid waste by M/S Sugam Swachhta Private Limited (ISWM-Karnal Cluster) No gap is assessed Target achieved	Yes, 100% collection of solid waste by M/S Sugam Swachhta Private Limited (ISWM-Karnal Cluster) No gap is assessed Target achieved	Yes, 100% collection of solid waste by M/S Sugam Swachhta Private Limited (ISWM-Karnal Cluster) No gap is assessed Target achieved	Yes, 100% collection of solid waste by M/S Sugam Swachhta Private Limited (ISWM-Karnal Cluster) No gap is assessed Target achieved

(ii)	Arrangement for door to door collection	Arrangement for door to door provided: % of blocks/ wards covered	If there is gap, action plan for door to door collection across the district	ULB DDPO	Arrangement for door to door provided in 91 GP & rest 187 GP will be done by 30.09.2022	100% door to door collection done by M/S Sugam Swachhta Private Limited (ISWM-Karnal Cluster) by using of, 23 Tata Ace, 12 Tractor Trolley, 50 tricycle rickshaw, 01 JCB, 01 Loader. And 15 Nos of Rag-picker are engage in Segregation of waste at processing site No Gap is assessed Target achieved	100% door to door collection done by M/S Sugam Swachhta Private Limited (ISWM-Karnal) by using of, 06 Tata Ace tipper, 01 Tractor-Trolley, And 6 Nos of Rag-picker are engage in Segregation of waste at processing site No Gap is assessed Target achieved	100% door to door collection done by M/S Sugam Swachhta Private Limited (ISWM-Karnal Cluster) by using of 09 Tata Ace tipper, 02 Tractor-trolley, And 20 Nos of Rag-picker are engage in Segregation of waste at processing site No Gap is assessed Target achieved	100% door to door collection done by M/S Sugam Swachhta Private Limited (ISWM-Karnal Cluster) by using of 03 Tata Ace tipper, 03 Tractor-trolley. And 09 Nos of Rag-picker are engage in Segregation of waste at processing site No Gap is assessed Target achieved	100% door to door collection done by M/S Sugam Swachhta Private Limited (ISWM-Karnal Cluster) by using of 03 Tata Ace tipper, 01 Tractor-trolley. And 10 Nos of Rag-picker are engage in Segregation of waste at processing site No Gap is assessed Target achieved	100% door to door collection done by M/S Sugam Swachhta Private Limited (ISWM-Karnal Cluster) by using of 03 Tata Ace tipper, 01 Tractor-trolley. And 6 Nos of Rag-picker are engage in Segregation of waste at processing site No Gap is assessed Target achieved
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(iii)	Waste Collection trolleys with separate compartments	Check availability and adequacy and if it needs up gradation	Action plan for procurement if required	ULB DDPO	224 tricycle in 112 GP and remaining tricycle provided in 166 GP up to 31 March 2022	Yes, 35 waste collection vehicles (Tata ace+ Trolleys) are arranged with separate compartment for solid waste collection from door to door Yes, 100% availability and adequacy, till date no need of up gradation. And also, 160 Nos of sanitation workers are deployed for door to door collection of solid waste. Target already achieved	Yes, 07 waste collection vehicles (Tata ace+ Trolleys) are arranged with separate compartment for solid waste collection from door to door Yes, 100% availability and adequacy, till date no need of up gradation. And also, 19 Nos of sanitation workers are deployed for door to door collection of solid waste. Target already achieved	Yes, 11 waste collection vehicles (Tata ace+ Trolleys) are arranged with separate compartment for solid waste collection from door to door Yes, 100% availability and adequacy, till date no need of up gradation. And also, 34 Nos of sanitation workers are deployed for door to door collection of solid waste. Target already achieved	Yes, 06 waste collection vehicles (Tata ace+ Trolleys) are arranged with separate compartment for solid waste collection from door to door Yes, 100% availability and adequacy, till date no need of up gradation. And also, 27 Nos of sanitation workers are deployed for door to door collection of solid waste. Target already achieved	Yes, 04 waste collection vehicles (Tata ace+ Trolleys) are arranged with separate compartment for solid waste collection from door to door Yes, 100% availability and adequacy, till date no need of up gradation. And also, 22 Nos of sanitation workers are deployed for door to door collection of solid waste. Target already achieved	Yes, 04 waste collection vehicles (Tata ace+ Trolleys) are arranged with separate compartment for solid waste collection from door to door Yes, 100% availability and adequacy, till date no need of up gradation. And also, 52 Nos of sanitation workers are deployed for door to door collection of solid waste. Target already achieved
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(iv)	Mini Collection Trucks with separate compartments	Check if adequate or needs up gradation or not required	Action plan for procurement if required	DDPO ULB	NO	Yes, 35 Nos (23 Tata ace+ 12 Tractor-trolley) for waste collection motorized vehicles are arranged with separate compartment for solid waste collection from door to door Yes , 100% availability and adequacy , till date no need of up gradation Target achieved.	Yes, 07 Nos (06 Tata ace+ 01 Tractor-trolley) for waste collection motorized vehicles are arranged with separate compartment for solid waste collection from door to door Yes , 100% availability and adequacy , till date no need of up gradation Target achieved.	Yes, 11Nos (09 Tata ace+ 2 Tractor-trolley) for waste collection motorized vehicles are arranged with separate compartment for solid waste collection from door to door Yes , 100% availability and adequacy , till date no need of up gradation Target achieved.	Yes, 06Nos (03 Tata ace+ 03 Tractor-trolley) for waste collection motorized vehicles are arranged with separate compartment for solid waste collection from door to door Yes , 100% availability and adequacy , till date no need of up gradation Target achieved.	Yes, 04 Nos (03 Tata ace+ 01 Tractor-trolley) for waste collection motorized vehicles are arranged with separate compartment for solid waste collection from door to door Yes , 100% availability and adequacy , till date no need of up gradation Target achieved.	Yes, 04 Nos (02 Tata ace+ 02 Tractor-trolley) for waste collection motorized vehicles are arranged with separate compartment for solid waste collection from door to door Yes , 100% availability and adequacy , till date no need of up gradation Target achieved.
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(v)	Waste Deposition centres (for domestic hazardous wastes)	Number of deposition centres required and nos available Or Any alternate arrangement.	Details of existing practice and scope for improve ment or impleme nt adequate system	DDPO ULB	Yes, Partit ion done for Dome stic Hazar dous waste Targe t date for the same is 31.03.2022	Yes, Partition done for Domestic Hazardous waste in Material Recovery Facility MoU will be signed with Approved Agencies (from CPCB/HSP CB) for final disposal of HW. 01 additional compartme nt with each door to door collection vehicles for separate collection of domestic hazardous waste.	Yes, Partition done for Domestic Hazardous waste in Material Recovery Facility MoU will be signed with Approved Agencies (from CPCB/HSPC B) for final disposal of HW. 01 additional compartmen t with each door to door collection vehicles for separate collection of domestic hazardous waste.	Yes, Partition done for Domestic Hazardous waste in Material Recovery Facility MoU will be signed with Approved Agencies (from CPCB/HSPC B) for final disposal of HW. 01 additional compartmen t with each door to door collection vehicles for separate collection of domestic hazardous waste.	Yes, Partition done for Domestic Hazardous waste in Material Recovery Facility MoU will be signed with Approved Agencies (from CPCB/HSPC B) for final disposal of HW. 01 additional compartmen t with each door to door collection vehicles for separate collection of domestic hazardous waste.	Yes, Partition done for Domestic Hazardous waste in Material Recovery Facility MoU will be signed with Approved Agencies (from CPCB/HSPC B) for final disposal of HW. 01 additional compartme nt with each door to door collection vehicles for separate collection of domestic hazardous waste.	No, Will be constructed at dumping site with MRF center. Timeline for the same is 15.10.2023
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4. Waste Transport

S. No.	Action points For villages /blocks/ town municipalities / City corporations	identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan						
					DDPO	MC KAITHAL	MC PUNDRI	MC CHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
(i)	Review existing infrastructure for waste Transport.	[Check (i)whether existing fleet is adequate (ii) check whether segregated waste transport possible, etc.	Action plan for short-comings identified .	ULB DDPO	224 tricycle in 112 GP and remaining tricycle provided in 166 GP up to 30.08. 2022 No shorts coming	50 Nos Waste Collection non-motorized tricycles, 23 Nos Mini Trucks (tipper) , and 12 Tractor Trolleys are available for the transportation of waste No shortcoming. And also 165 workers for deployed for transportation of solid waste to solid waste processing site.	06 Nos Mini Trucks (tipper) , and 01 Tractor Trolleys are available for the transportation of waste No shortcoming. And also 19 workers for deployed for transportation of solid waste to solid waste processing site.	11 Nos Mini Trucks (tipper) , and 02 Tractor Trolleys are available for the transportation of waste No shortcoming. And also 34 workers for deployed for transportation of solid waste to solid waste processing site.	03 Nos Mini Trucks (tipper) , and 03 Tractor Trolleys are available for the transportation of waste No shortcoming. And also 27 workers for deployed for transportation of solid waste to solid waste processing site.	03 Nos Mini Trucks (tipper) , and 01 Tractor Trolleys are available for the transportation of waste No shortcoming. And also 22 workers for deployed for transportation of solid waste to solid waste processing site.	02 Nos Mini Trucks (tipper) , and 02 Tractor Trolleys are available for the transportation of waste No shortcoming. And also 34 workers for deployed for transportation of solid waste to solid waste processing site.

S. No.	Action points For villages /blocks/ town municipalities / City corporations	identification of gap	Action Plan	Responsible agencies	DDPO	MC KAITHAL	MC PUNDRI	MC CHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
(ii)	Bulk Waste Truck	[check adequacy]	[action plan for procurement if required]	ULB DDPO	Not required	Not required	Not required	Not required	Not required	Not required	Not required
(iii)	Waste Transfer points	[check whether available / adequacy]	[action plan for installation if required]	ULB DDPO	1 no. of Waste Transfer point is available for Plastic Waste	Not required	Not required	Not required	Not required	Not required	Not required
(iv)	Vehicles for collection of waste, status of compartmentalization and GPS system				1 no. of Waste Transfer point is available for Plastic Waste	35 Nos - Compartment Vehicle and GPS system has installed.	07 Nos - Compartment Vehicle and GPS system has installed .	11 Nos - Compartment Vehicle and GPS system has installed .	06 Nos - Compartment Vehicle and GPS system has installed.	04 Nos - Compartment Vehicle and GPS system has installed.	04 Nos - Compartment Vehicle and GPS system has installed.

(v)	Transportation of solid waste				Yes Adequate vehicles deployed by ULB No gap assessed	35 Nos - Compartment Vehicle and GPS system has installed.	07 Nos - Compartment Vehicle and GPS system has installed	11 Nos - Compartment Vehicle and GPS system has installed	06 Nos - Compartment Vehicle and GPS system has installed.	04 Nos - Compartment Vehicle and GPS system has installed.	04 Nos - Compartment Vehicle and GPS system has installed.
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5. Waste Treatment and Disposal

Sr. No.	Action points For villages /blocks/ town MCs / City corporations	Identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan						
					DDPO	MC KAITHAL	MC PUNDRI	MC CHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirements as per Rules)	Whether number of bulk waste generators identified for installation	Action for getting onsite composting plants commissioned	ULB DDPO	Not required	Yes, 41 Nos of bulk waste generators identified in city, which manages their waste by their self, wet waste Send to Piggery forms. And Dry waste given to Rag Pickers and Kabariwalas. And rest dry waste gives to Municipality for final disposal of waste and pays the fixed user charge to Municipality for collection, transportation and disposal of waste.	Yes, 01 Nos of bulk waste generators identified in city, which manages their waste by their self, wet waste Send to Piggery forms. And Dry waste given to Rag Pickers and Kabariwalas. And rest dry waste gives to Municipality for final disposal of waste and pays the fixed user charge to Municipality for collection, transportation and disposal of waste.	Yes, 9 Nos of bulk waste generators identified in city, which manages their waste by their self, wet waste Send to Piggery forms. And Dry waste given to Rag Pickers and Kabariwalas. And rest dry waste gives to Municipality for final disposal of waste and pays the fixed user charge to Municipality for collection, transportation and disposal of waste.	Yes, 1 Nos of bulk waste generators identified in city, which manages their waste by their self, wet waste Send to Piggery forms. And Dry waste given to Rag Pickers and Kabariwalas. And rest dry waste gives to Municipality for final disposal of waste and pays the fixed user charge to Municipality for collection, transportation and disposal of waste.	Yes, 02Nos of bulk waste generators identified in city, which manages their waste by their self, wet waste, Send to Piggery forms. And Dry waste given to Rag Pickers and Kabariwalas. And rest dry waste gives to Municipality for final disposal of waste and pays the fixed user charge to Municipality for collection, transportation and disposal of waste.	Yes, 05Nos of bulk waste generators identified in city, which manages their waste by their self, wet waste, Send to Piggery forms. And Dry waste given to Rag Pickers and Kabariwalas. And rest dry waste gives to Municipality for final disposal of waste and pays the fixed user charge to Municipality for collection, transportation and disposal of waste.

Sr. No.	Action points For villages /blocks/ town MCs / City corporations	Identification of gap	Action Plan	Responsible agencies	DDPO	MC KAITHAL	MC PUNDRI	MC CHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
(ii)	Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wets waste.	Whether facility exists / functional / needs upgradation?	If not action plan for developing / upgradation of bio-methanation or composting facility	ULB DDPO	Composting pits in 74 SWM sheds for wet waste management	43 Nos. Composting Pits constructed for Wet Waste Management. The municipality is keeping a proper record of composting from the wet waste. No Gap Assessed	21 Nos. Composting Pits constructed for Wet Waste Management. The municipality is keeping a proper record of composting from the wet waste. No Gap Assessed	20 Nos. Composting Pits constructed for Wet Waste Management. The municipality is keeping a proper record of composting from the wet waste. No Gap Assessed	21 Nos. Composting Pits constructed for Wet Waste Management. The municipality is keeping a proper record of composting from the wet waste. No Gap Assessed	21 Nos. Composting Pits constructed for Wet Waste Management. The municipality is keeping a proper record of composting from the wet waste. No Gap Assessed	12 Nos. Composting Pits need to be constructed for Wet Waste Management. Land has been identified for the same and Timeline for the same is 15.10.2023

Sr. No.	Action points For villages /blocks/ town MCs / City corporations	Identification of gap	Action Plan	Responsible agencies	DDPO	MC KAITHAL	MC PUNDRI	MC CHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	Whether MRF facility exists? / is there any arrangement to sending the drywaste to any common MRF or sent to Waste to energy plant or % Dry-waste converted as RDF or Need to set-up own Waste to Energy plant?	Action plan for use of dry segregated waste in MRF operation	ULB DDPO	Not required	Yes 1 No. MRF is available and in operation for dry waste management (MRF centers)	01 MRF Centre is installed on Site.	01 MRF Centre is installed on Site.	01 MRF Centre is installed on Site.	01 MRF Centre is installed on Site.	01 MRF Centre need to be constructed for Dry Waste Management. Land has been identified for the same and Timeline for the same is 15.10.2023

Sr. No.	Action points For villages /blocks/ town MCs / City corporations	Identificati on of gap	Action Plan	Responsible agencies	DDPO	MC KAITHAL	MC PUNDRI	MC CHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
(iv)	Disposal of inert and no recyclable wastes: Sanitary Landfill	Does the agency still disposing waste in dumpsites? Whether sanitary landfill available? / Plan for constructing sanitary landfill or arrangement with ULBs	Action plan (i) to construct sanitary landfill If required (ii) Action plan to minimize land filling	ULB DDPO	Installed 174 Sanitary Napkin Disposal Machine (Incinerator) in Govt. Girls Schools	No, Disposing at designated site for a while till sanitary landfill construction .(Environmental Clearance has been granted and work will be started shortly). 2.5 acre land has been accumulated for scientific landfill, scientific disposal of inert waste. Timeline for the Same is 31.10.2023	No, Disposing at dumping site. (Stored at site).	First completed EIA and NOC of EC from the HSPCB for the construction of SLF and after that municipality construct SLF for safely disposal of inert waste, Timeline for the Same is 31.10.2023	First completed the EIA and NOC from the HSPCB for the construction of SLF and after that municipality construct SLF for safely disposal of inert waste, No - Timeline for the Same is 31.10.2023	No, Disposing at designated site (MRF & Wet Composting Pits).	No, Disposing at designated site (MRF & Wet Composting Pits).

(v)	Remediation of historic /legacy dumpsite	Whether existing old dumpsite if any required remediation as per rules?	Action plan for remediation of legacy / historic dumpsite.	ULB DDPO	No historic /legacy waste observed	<p>Yes, Remediation of Legacy waste at dumpsite, in Progress</p> <p>85382 MT Legacy waste was exist and remediation work is Completed. Details of generated bye-produced from the legacy waste : Bio-soil /Manure-58887. Inert waste-9816. C&D waste-5627. RDF- 9887. Miscellaneous-1165.</p> <p>Reassessment of legacy waste for the calculation of net amount of Legacy waste at dumping site, and find the prior approval of competent authority, after that municipality restart for Bio-remediation of rest Legacy waste. Time line for the completion of site 31.10.2023</p>	No historic /legacy observed at MC Pundri.	Yes, Remediation of Legacy dumpsite has been completed. Yes , Old dumpsite (18000 MT) is exist.	<p>Yes, Remediation of Legacy waste at dumpsite, in Progress</p> <p>15000 MT Legacy waste was exist and remediation work is Completed. Details of generated bye-produced from the legacy waste : Bio-soil /Manure-10465.62 Inert waste-796.84 C&D waste-700.56 RDF- 2712.73 Miscellaneous-324.25</p>	No historic /legacy observed at MC Rajound	No historic /legacy observed at MC Siwan
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Sr. No.	Action points For villages /blocks/ town MCs / City corporations	Identificati on of gap	Action Plan	Responsible agencies	DDPO	MC KAITHAL	MC PUNDRI	MC CHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
(vi)	Involvement of NGOs	Whether involvem ent of NGOs envisaged	NGOs can be involved for managem ent of solid waste campaign	ULB DDPO	Not requir ed	Yes, MC Kaithal started the campaign with the help of 01 NGO (Green Earth) to aware the citizens about solid waste Managem ent.	Yes, MC Pundri started the campaign with the help of 02 NGO to aware the citizens about solid waste Managem ent	Yes, MC Cheeka started the campaign with the help of 03 NGO to aware the citizens about solid waste managem ent	Yes, MC Kalayat started the campaign with the help of 02 NGO to aware the citizens about solid waste managem ent.	Yes, MC Rajound started the campaign with the help of 01 NGO to aware the citizens about solid waste managem ent	Yes, MC Siwan started the campaign with the help of 01 NGO to aware the citizens about solid waste managem ent

Sr. No.	Action points For villages /blocks/ town MCs / City corporations	Identifications of gap	Action Plan	Responsible agencies	DDPO	MC KAITHAL	MC PUNDRI	MC CHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
(vii)	EPR of Producers: Linkage with Producers / Brand Owners	As per rules, producers and brand owners should facilitate in collection of packaging waste	Action plan for linkage of all producers/brand owners or their PROs for collection of plastic waste	ULB DDPO	Not Initiated Yes Presently No ERP Producer is identified	Presently No ERP Producer is identified Identification of EPR producer/ Brand owners is under process.	Presently No ERP Producer is identified Identification of EPR producer/Brand owners are under process.	No ERP Producer is identified Identification of EPR producer/Brand owners is under process.	Presently No ERP Producer is identified Identification of EPR producer/Brand owners is under process.	Presently No ERP Producer is identified Identification of EPR producer/Brand owners is under process.	Presently No ERP Producer is identified Identification of EPR producer/Brand owners is under process.
(viii)	Authorisation of Waste Pickers	Yes/No	List of authorised waste pickers should be available	ULB DDPO	224 waste pickers (Rickshaws) in 112 GPs but not registered	Yes, 15 Rag Pickers are registered with Municipal Council as per guide lines Yes Already Prepared	Yes, 06 Rag Pickers are registered with Municipal Council as per guide lines	Yes, 20 Rag Pickers are registered with Municipal Committee as per guide lines	Yes, 09 Rag Pickers are registered with Municipal Committee as per guide lines	Yes, 10 Rag Pickers are registered with Municipal Committee as per guide lines	Yes, 6 Rag Pickers are registered with Municipal Committee as per guide lines

Sr. No.	Action points For villages /blocks/ town MCs / City corporations	Identificati on of gap	Action Plan	Responsible agencies	DDPO	MC KAITHAL	MC PUNDRI	MC CHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
(ix)	Preparation of own by-laws to comply with SWM Rules 20L6	Yes/No	If not prepared action plan for preparation of by-laws which may be applicable in cantonment Board jurisdiction	ULB DDPO	Yes Already Prepared	• Yes , Bye Laws is prepared by Municipal Council for SWM Rule ,2016	Yes , Bye Laws is prepared by MC for SWM Rule -2016	Yes , Bye Laws is prepared by MC for SWM Rule - 2016	Yes , Bye Laws is prepared by MC for SWM Rule -2016	Yes , Bye Laws is prepared by MC for SWM Rule - 2016	Yes , Bye Laws is prepared by MC for SWM Rule - 2016

(x)	Garbage Vulnerable Points (GVPs)	Responsible Agencies	MC KAITHAL	MC KALAYAT	MC CHEEKA	MC RAJOUND	MC PUNDRI	MC SIWAN
a.	No. of GVPs Identified	ULB	4	2	2	1	2	2
b.	* No. of GVPs removed * Steps taken to convert the 15.2 vacated places after removing GVPs_ into sitting places, playgrounds, parks, gardens or any other useful usages	ULB	4 bench installed after plantation at GVP spots in city	2 Installed Benches	2 Beautification with IPB flooring and painting work with slogan and plantation	1 By Planting Trees	2 Installed Benches	2
c.	Timelines to remove the pending GVPs	ULB	Complied	Complied	Complied	Complied	Complied	Complied

(xi)	On-site composting of horticulture waste in Parks & Institutions	Responsible Agencies	MC KAITHAL	MC KALAYAT	MC CHEEKA	MC RAJOUND	MC PUNDRI	MC SIWAN
a.	No. of parks within Municipal limits	ULB	44	3	7	1	7	2
b.	No. of compost pits required in Parks.	ULB	14	3	7	2	7	2
c.	No. of compost pits provided in the parks	ULB	14	3	7	2	7	Nil
d.	Gap, if any	ULB	0	Nil	Nil	Nil	Nil	100%
e.	Timelines to complete 100% parks with compost pits or any other mode of treatment of wet waste.	ULB	Nil	Nil	Nil	Nil	Nil	15.10.2023
f.	No. of Institutes in the city	ULB	10	13	7	4	9	4
g.	No. of institutes doing on_ site composting	ULB	10	13	7	4	9	Nil
h.	Timelines to complete 100% Loe? institutes with compost pits or any other mode of treatment of wet waste	ULB	Achieved	Achieved	Achieved	Achieved	Achieved	15.10.2023

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

	Urban Local bodies	Estimated quantity of Plastic Waste Generated per day
1	Municipal corporations (Nagar Nigam or MahanagarPalika)	-
2	Municipalities MC KAITHAL	1.5 TPD
	MC PUNDRI	0.5TPD
	MC CHEEKA	0.8 TPD
	MC KALAYAT	0.5TPD
	MC RAJOUND	0.1 TPD
	MC SIWAN	0.12 TPD
3	Nagar panchayats (Town area Councils)	=

	Local Bodies	Plastic Waste Generated per day
2	Block /Taluk / Mandal Tehsils	7 Block
3	Village/Gram Panchayats	2652 kg up to 2 nd July 2021

(b) Identification of gaps and Action plan:

S. No.	Action points For villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan	Agencies Responsible	Target time for Compliance						
					DDPO	MC KAITHAL	MC PUNDRI	MC CHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
1.	Door to Door collection of dry waste including PW	[100%]/ [partial %] [not initiated	If not 100 %, action plan for door to door collection of SW	<ul style="list-style-type: none"> • ULB • DDPO 	Collection of Plastic Waste From All GP	100% door to door collection done by M/S Sugam Swachhta Private Limited (ISWM-Karnal Cluster) by using of, 23 Tata Ace, 12 Tractor Trolley, 50 tricycle rickshaw, 01 JCB, 01 Loader. And 15 Nos of Rag-picker are engage in Segregation of waste at processing site No Gap is assessed Target achieved	100% door to door collection done by M/S Sugam Swachhta Private Limited (ISWM-Karnal) by using of , 06 Tata Ace tipper, 01 Tractor-Trolley, And 6 Nos of Rag-picker are engage in Segregation of waste at processing site No Gap is assessed Target achieved	100% door to door collection done by M/S Sugam Swachhta Private Limited (ISWM-Karnal Cluster) by using of 03 Tata Ace tipper, 02 Tractor-trolley, And 20 Nos of Rag-picker are engage in Segregation of waste at processing site No Gap is assessed Target achieved	100% door to door collection done by M/S Sugam Swachhta Private Limited (ISWM-Karnal Cluster) by using of 03 Tata Ace tipper, 03 Tractor-trolley. And 09 Nos of Rag-picker are engage in Segregation of waste at processing site No Gap is assessed Target achieved	100% door to door collection done by M/S Sugam Swachhta Private Limited (ISWM-Karnal Cluster) by using of 03 Tata Ace tipper, 01 Tractor-trolley. And 10 Nos of Rag-picker are engage in Segregation of waste at processing site No Gap is assessed Target achieved	100% door to door collection done by M/S Sugam Swachhta Private Limited (ISWM-Karnal Cluster) by using of 03 Tata Ace tipper, 01 Tractor-trolley. And 6 Nos of Rag-picker are engage in Segregation of waste at processing site No Gap is assessed Target achieved

Sr. No.	Action points For villages / blocks/ town municipalities / City corporations	identification of gap	Action Plan	Agencies Responsible	DDPO	MC KAITHAL	MC PUNDRI	MC CHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
2.	Facilitate organised collection of PW at Waste transfer point or Material Recovery Facility	This infrastructure is linked to SW management. May check gaps with respect to: Availability of transfer points and material recovery facility Involvement of informal sector / NGO. Registering waste pickers Linkage with PW recyclers involvement of producers and brand-owners	Within the district outline specific plans for Each villagepan chayat/block/ municipality / Nasarpanchayat/ Corporations for plastic waste collection	<ul style="list-style-type: none"> • ULB • DDPO 	On 2 nd of every month celebrate Sharamd aan Abhiyan in Every GP	Material Recovery Facility (MRF) is constructed in city with Capacity of 10 TPD each for Collection of Plastic Waste Yes Involvement of NGO and rag pickers. Agreement will be made by MC Kaithal by 15.08.2023 with approved (from PCB) Plastic Waste recycler.	01 MRF Centre is installed on Site on which plastic waste segregate separately. Yes With NGO and rag pickers. Agreement will be made by MC Kaithal by 15.08.2023 with approved (from PCB) Plastic Waste recycler.	01 MRF Centre is installed on Site on which plastic waste segregate separately. Yes With NGO and rag pickers. Agreement will be made by MC Kaithal by 15.08.2023 with approved (from PCB) Plastic Waste recycler.	01 MRF Centre is installed on Site on which plastic waste segregate separately. Yes With NGO and rag pickers. Agreement will be made by MC Kaithal by 15.08.2023 with approved (from PCB) Plastic Waste recycler.	01 MRF Centre is installed on Site on which plastic waste segregate separately. Yes With NGO and rag pickers. Agreement will be made by MC Kaithal by 15.08.2023 with approved (from PCB) Plastic Waste recycler.	01 MRF Centre need to be installed on Site on which plastic waste segregate separately. Yes With NGO and rag pickers. Agreement will be made by MC Kaithal by 15.08.2023 with approved (from PCB) Plastic Waste recycler.

Sr. No.	Action points For villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan	Agencies Responsible	DDPO	MC KAITHAL	MC PUNDRI	MC CHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
3.	PW collection Centres	Local Bodies may set-up own centres and also involve producers and brand-owners or their PROs to facilitate setting up of collection centres.	Plastic waste collection centre should be established in adequate numbers. Coordination with State Urban Department may be necessary	<ul style="list-style-type: none"> • ULB • DDPO 	SWM Shed in GP is also used PW Collection Centre	Yes 01 MRF Centre is installed on Site on which plastic waste segregate separately.	Yes 01 MRF Centre is installed on Site on which plastic waste segregate separately.	Yes 01 MRF Centre is installed on Site on which plastic waste segregate separately.	Yes 01 MRF Centre is installed on Site on which plastic waste segregate separately.	Yes 01 MRF Centre is installed on Site on which plastic waste segregate separately.	01 No. of MRF/PW collection Centre need to be installed on Site on which plastic waste segregate separately. Timeline for the same is 15.10.2023.
4.	Awareness and education programs implementation	Review existing gaps in creating awareness among public for minimising and recycling PW	Education through mass media, schools, Producer / brand owner campaigns and other channels	<ul style="list-style-type: none"> • ULB • DDPO 	Sharam daan Activity celebrate on 2 nd of every month in every GP by Block Coordinator	Yes Initiated for IEC to avoid use of Plastic in routine life to minimise PW	Yes Initiated for IEC, Munadi and Campion to avoid use of Plastic in routine life to minimise PW	Yes Initiated for IEC Munadi and Campion to avoid use of Plastic in routine life to minimise PW	Yes Initiated for IEC Munadi and Campion to avoid use of Plastic in routine life to minimise PW	Yes Initiated for IEC Munadi and Campion to avoid use of Plastic in routine life to minimise PW	Yes Initiated for IEC Munadi and Campion to avoid use of Plastic in routine life to minimise PW

5.	Access to Plastic Waste Disposal Facilities	Check if District has access to PW recycling / utilization or disposal facilities..	Check if PW recycling facilities available at reasonable distance; Channel for sending PW Collected to cement plants for processing Availability of waste plastic oil producing facilities; Linkage with PWD for usage of PW in road making. Action plan at district should involve Urban and Rural Local bodies	<ul style="list-style-type: none"> • ULB • DDPO 	Agency Hired by Dev. & Panchayat Department to collect The Plastic Waste at district level.	PW will send to waste to energy plant. 2845 MT send to authorised recyclers Timeline for the same is 15.10.2023	Generated plastic waste will send to energy plant or authorized recyclers which gives to end use certificate of plastic waste Timeline for the same is 15.10.2023	Generate d plastic waste will send to energy plant or authorize d recycler which gives to end use certificate of plastic waste. Timeline for the same is 15.10.2023	Generate d plastic waste will send to energy plant or authorize d recycler which gives to end use certificate of plastic waste. Timeline for the same is 15.10.2023	Generate d plastic waste will send to energy plant or authorize d recycler which gives to end use certificate of plastic waste. Timeline for the same is 15.10.2023	Generate d plastic waste will send to energy plant or authorize d recycler which gives to end use certificate of plastic waste. Timeline for the same is 15.10.2023
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(iii) C & D Waste Management**(a) Current status related to C & D Waste**

Details of Data Requirement	MC KAITHAL	MC PUNDRI	MCCHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
Total C & D waste generation in MT per day (As per data from Municipal Corporations / Municipalities)	1 TDP	0.5 TPD	1.0 TPD	0.5 TPD	0.25 TPD	0.30 TPD
Does the District has access to C&D waste recycling facility?	Yes	Yes	Yes	Yes	Yes	Yes

(b) Identification of gaps and Action plan:

S. No.	Action points for blocks / town MCs / City corporations	Identification of gaps	Action Plan	Responsible agency	Timeline for completion of action plan					
					MC KAITHAL	MC PUNDRI	MC CHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
1.	Arrangement for separate collection of C&D waste to C&D waste deposition point.	Check gaps w.r.t: Separate collection point of C&D Waste Identification of common C&D waste deposition points	Action plan for every local body in district . District may identify common C&D waste deposition points	ULB	Yes Collection of C&D waste separately. 1. Site identified for C&D waste deposition 2. Tractor Trolley is available for C&D waste collection & Transportation at deposition site 3. Stone Crushing m/c is available for size reduction of C&D waste for further use in construction work/ low lying area	Yes collection of C&D waste separately. 1. Site identified for C&D waste deposition 2. Tractor Trolley is available for C&D waste collection & Transportation at deposition site 3. Stone Crushing m/c is available for size reduction of C&D waste for further use in construction work/ low lying area	Yes collection of C&D waste separately. 1. Site identified for C&D waste deposition 2. Tractor Trolley is available for C&D waste collection & Transportation at deposition site 3. Stone Crushing m/c is available for size reduction of C&D waste for further use in construction work/ low lying area	Yes collection of C&D waste separately. 1. Site identified for C&D waste deposition 2. Tractor Trolley is available for C&D waste collection & Transportation at deposition site 3. Stone Crushing m/c is available for size reduction of C&D waste for further use in construction work/ low lying area	Yes collection of C&D waste separately. 1. Site identified for C&D waste deposition 2. Tractor Trolley is available for C&D waste collection & Transportation at deposition site 3. Stone Crushing m/c is available for size reduction of C&D waste for further use in construction work/ low lying area	Yes collection of C&D waste separately. 1. Site identified for C&D waste deposition 2. Tractor Trolley is available for C&D waste collection & Transportation at deposition site

Sr. No	Action points For villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan	Agencies Responsible	MC KAITHAL	MC PUNDRI	MC CHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
2.	Whether local authority have fixed user fee on C&D waste and introduced permission system for bulk waste generators who generate more than 20 tons or more in one day or 300 tons per project in a month?	Check gaps with respect to: Local by-laws to pay user fee implementation of a system to permit bulk generators (>20 tons in one day or 300 tons per project)	Common by-laws may be implemented in District. Local C&D waste management plans can be integrated to develop common collection and recycling facilities	ULB	No bulk C & D waste generator is exist Small amount of C & D waste crushed by C & D waste Machine. Yes by laws constituted. Till date no fees notified for the same.	No bulk C & D waste generator is exist Small amount of C & D waste crushed by C & D waste Machine. Yes by laws constituted. Till date no fees notified for the same.	No bulk C & D waste generator is exist Small amount of C & D waste crushed by C & D waste Machine. Yes by laws constituted. Till date no fees notified for the same.	No bulk C & D waste generator is exist Small amount of C & D waste crushed by C & D waste Machine. Yes by laws constituted. Till date no fees notified for the same.	No bulk C & D waste generator is exist Small amount of C & D waste crushed by C & D waste Machine. Yes by laws constituted. Till date no fees notified for the same.	No bulk C & D waste generator is exist Small amount of C & D waste crushed by C & D waste Machine. Yes by laws constituted. Till date no fees notified for the same.

Sr. No.	Action points For villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan	Agencies Responsible	MC KAITHAL	MC PUNDRI	MC CHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
3.	C&D recycling Facility	Check whether district has any C&D waste recycling facility	Action plan for setting up C&D recycling facility in the District or ,tie-up with any other district or ULB for setting up common facilities. Plan should ensure viable operation of C&D plant including assured market for C&D products.	ULB	Yes , C&D waste recycling is available Hired crushing machine for C&D Waste	Yes MC have crushing machine	Yes MC have Hired crushing machine for C&D Waste	Yes MC have Hired crushing machine for C&D Waste	Yes MC have Hired crushing machine for C&D Waste	No, MC has no crushing machine for C&D Waste
4.	Usage of recycled C&D waste in nonstructural concrete, paving blocks, lower layers of road pavements, colony and rural roads	Is there any policy on usage or promotion on usage of C&D waste?	Local authority may make give appropriate incentives on usage of C&D waste. A% of usage in public works may be specified / any other scheme.	ULB	Yes, C&D waste used along with soil filling in low-lying areas.	Yes used in low laying area	Yes used in low laying area	Yes used in low laying area	Yes used in low laying area	Yes used in low laying area

Sr. No.	Action points For villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan	Agencies Responsible	MC KAITHAL	MC PUNDRI	MC CHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
5.	ICE on C&D waste management	Is there any sustained system of creating awareness created among local communities.	Action plan for awareness and education	ULB	1. By Advertise ment in Local News Papers 2. By Presentati on in Schools & Colleges and other institution.	Yes by munadi 1. By Advertise ment in Local News Papers 2. By Presentati on in Schools & Colleges and other institution.	Yes by munadi 1. By Advertisem ent in Local News Papers 2. By Presentatio n in Schools & Colleges and other institution.	Yes by munadi 1. By Advertiseme nt in Local News Papers 2. By Presentation in Schools & Colleges and other institution.	Yes by munadi 1. By advertisem ent in Local News Papers 2. By Presentatio n in Schools & Colleges and other institution.	Yes by munadi 1. By advertisem ent in Local News Papers 2. By Presentatio n in Schools & Colleges and other institution.

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

Inventory of BMW in the District	Quantity
Total no. of Bedded Healthcare Facilities	170
Total no. of non-bedded HCF	114
No. of HCFs authorised by SPCBs/PCCs	284
No of Common Biomedical Waste Treatment and Disposal Facilities (CBWTFs)	Linkage with 01 No. CBWTF (M/s InvisionEnviro, Sirsa)
Capacity of CBWTFs	Incineration- 100 Kg/Hour Autoclave - 200 Ltr/Hour Shredder - 50 Kg/ Hour
No. of Deep burials for BMW if any	NIL
Quantity of biomedical waste generated per day	368 Kg/day]
Quantity of biomedical waste treated per day	368 Kg/day]

(b) Identification of gaps and Action plan:

S. No.	Action points	Gaps	Action Plan	Responsible agency	Timeline for completion of action plan
1.	inventory and identification of Healthcare Facilities	Check whether all HCFs including, clinics, hospitals, veterinary hospitals, Aayush hospitals, animal houses, etc generating biomedical waste area identified and authorised by SPCBs/PCCs	Action plan for completing I updating of inventory and authorisation of HCFs by SPCBs/ PCCs	HSPCB	Inventory of HCFs is being checked on regular basis and any new HCF identified is being added to inventory.
2.	Adequacy of facilities to treat biomedical waste	Check if there is any gap between Quantity of Biomedical Waste generated per day and quantity of Biomedical Waste treated and disposed in the district? In case of no access to CBWTFS, adequacy of existing disposal of BMW	Action plan for setting-up CBWTF or providing access to CBWTF with 75Km from places waste generation. including Identification of site for setting up such facility. Action plan for management of BMW through captive facilities in case of no access to CBWTF	HSPCB	All HCFs in District kaithal are having Linkage with 01 No. CBWTF (M/s Invision Enviro, Sirsa) and presently treatment capacity of CBWTF is adequate and more than the waste generated.
3.	Tracking of BMW	Check whether bar code system is implemented by all HCFs and CBWTFS?	Plan for implementation of bar code system by all HCFs and CBWTFS in the district.	HSPCB	98 Nos. of HCFs having Bar Code system and rest of HCFs will be completed by 31.10.2023.Direction issued to rest of the HCFs adopted the Bar code system.
4.	Awareness and education of healthcare staff	Whether training has been organised for all stakeholders?	Action plan for awareness programs and training to healthcare staff and ULB officials	Health Department, Haryana	The training of all the staff is ongoing process regularly.

5.	Adequacy of funds	Whether adequate funds is allocated to Government health care facilities for biomedical waste management by State Govt.?	Action plan for ensuring adequate funds to Government health care facilities for bio-medical waste management by State Govt.,	Health Department, Haryana	Ongoing
6.	Compliance to Rules by HCFs and CBWTFs.	Is there any district level mechanism to monitor compliance by Hospitals / HCFs?	Draw action plan to monitor compliance of HCFs and CBWTFs through SPCBs/PCCs.	HSPCB	There is no CBWTF in kaithal district further monitoring of compliance by HCFs is being done on regular basis
7.	District Level Monitoring Committee	Check whether District Level Monitoring Committee has been constituted and meetings are being organised?	Action plan w.r.t Periodicity of reviews and follow up by DLMC. identify teams in health department to monitor compliance.	Health Department & HSPCB	Team constituted for quarterly inspections.
8.	Wastewater Treatment	Check if HCFS are required to install ETPs for wastewater generated.	Action plan for installation of ETPs by HCFs where applicable.	HSPCB	Currently all HCFs are having connection with terminal treatment capacity which going to STPs. Direction has been issued to Civil Hospital, Kaithal to provide Sewage Treatment Plant upto 31.10.2023.

(v) Hazardous Waste Management

a. Current Status related to Hazardous Waste Management

Details of Data Requirement	Present Status
No of Industries generating HW	20
Quantity of HW in the district	6.82 MT/Annum
(i) Quantity of Incinerable HW	Nil
(ii) Quantity of land-fillable HW	3 [MT/Annum]
(iii) Quantity of Recyclable / utilizable HW	3.82 [MT/Annum]
No of captive/common TSDF	No TSDF in district , however 01 No. of Common TSDF in state established in Pali, Faridabad
Contaminated Sites or probable contaminated sites	No

b. identification of gaps and action plan:

S. No.	Action points	Gaps	Action Plan	Responsible agency	Timeline for completion of action plan
1.	Regulation of industries and facilities generating Hazardous Waste	Check whether all hazardous waste industries are identified and authorised by SPCBs/PCCs	SPCB/PCC should ensure that all hazardous waste industries are authorised and a system of safe disposal is in place.	HSPCB	All 20 units have obtained authorization under HWM Rules, 2016. The Hazardous waste is being disposed off through GEPIL, TSDF site at Pali, Faridabad. HSPCB monitoring during inspection of industries regarding the quantity of Hazardous waste generation w.r.t. process of industries and operation of ETP by industries.
2.	Establishment of collection centres	Check district has collection centers for hazardous wastes with linkage to common TSDFs / recyclers	Local authority should ensure that adequate number of collection centers should be established and are linked to Common TSDFs.	HSPCB	Door to Door collection by GEPIL

3.	Training of workers involved in handling / recycling / disposal of HW	Identify facilities / industries engaged in recycling / pre-processing / disposal of hazardous waste in the district.	Action plan to train the workers on safety aspects through Department of industries as per provisions under HOWM Rules,20L6	Additional Director Health and Safety Department	Training of the workers for safe handling/ recycling/ disposal of Hazardous Waste by individual industries itself.
4.	Availability / Linkage with common TSDF or disposal facility	Check if the generators of HW have access to common TSDF in the State?	Action plan to ensure all generators are linked to TSDF I Action plan in case there is no TSDF in the district or State - in such case evaluate existing storage and captive disposal facilities through SPCBs/PCCs	HSPCB	TSDF already available in State and all Hazardous waste generating industries in the district are having linkage with TSDF.
5.	Contaminated Sites	Are there any sites where soils / sediments/ groundwater contaminated due to dumping of industrial wastes	Action plan for identification of probable contaminated site, incidents of HW dumping, responsible parties for contaminated site etc. and to remediate contaminated sites.	HSPCB	No contaminated site in district Kaithal

(vi) E-Waste Management
Current Status related to E-Waste Management

Details of Data Requirement	MC KAITHAL	MC PUNDRI	MC CHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
inventory of E-Waste in MT/year	0.1	0.05	0.05	0.04	0.04	0.01
Collection centres established by ULBs in the District	MRF Centre	MRF Centre	MRF Centre	MRF Centre	MRF Centre	NIL , will be constructed by 15.10.2023
Collection centers established by Producers or their PROs	NIL, will be constructed by ULB by 15.10.2023	NIL, will be constructed by ULB by 15.10.2023	NIL, will be constructed by ULB by 15.10.2023	NIL, will be constructed by ULB by 15.10.2023	NIL, will be constructed by ULB by 15.10.2023	NIL, will be constructed by ULB by 15.10.2023
No authorized E-Waste recyclers / Dismantler	NIL	NIL	NIL	NIL	NIL	NIL

b. Identification of gaps and action plan:

S. No.	Action points	Gaps	ActionPlan	Responsible agency	Timeline for completion of action plan						
					HSPCB	MC KAITHAL	MC PUNDRI	MC CHEEKA	MC KALAYAT	MC RAJOUND	MC SIWAN
1.	Inventory / Generation of E-Waste / Bulk-waste generators	Check whether SPCB/PCC has completed inventory of E-Waste in the District. Inventory of bulk waste generators	Completion of inventory	SPCB/ PCC & ULB	Inventory completed	0.1 MT/year (No bulk waste generator in MC Limit)	0.05 MT/year (No bulk waste generator in MC Limit)	0.05 MT/year (No bulk waste generator in MC Limit)	0.04 MT/year (No bulk waste generator in MC Limit)	0.04 MT/year. (No bulk waste generator in MC Limit)	0.01 MT/year. (No bulk waste generator in MC Limit)

2.	E-Waste collection points	Availability of E-Waste collection points / call centres / kiosks in villages - Blocks / /towns / cities	Identification / registering E-Waste collection centres in association with Producers - their PROs or Recyclers	ULB	NA	New E-waste collection centre will be established by MC.	New E-waste collection centre will be established by MC.	New E-waste collection centre will be established by MC.	New E-waste collection centre will be established by MC.	New E-waste collection centre will be established by MC.	New E-waste collection centre will be established by MC.
3.	Linkage among Stakeholders to channelize E-Waste	Check whether District administration has information on collection centres established by Producers / PROs? Administration should also identify authorised E-Waste recyclers in the district or in State to channelize E-waste collected in District.	Action plan to establish linkages between ULBs / Collection Centres of Producers and PROs / SPCBs / bulk waste generators / Recyclers / SPCBs / District Administration / Public	ULB HSPCB	There is no E-waste recycler/dismantler in district Kaithal	Timeline for linkage for E-waste with agency by ISWM Karnal-Cluster Contractor by 15.08.2023.	Timeline for linkage for E-waste with agency by ISWM Karnal-Cluster Contractor by 15.08.2023.	Timeline for linkage for E-waste with agency by ISWM Karnal-Cluster Contractor by 15.08.2023.	Timeline for linkage for E-waste with agency by ISWM Karnal-Cluster Contractor by 15.08.2023.	Timeline for linkage for E-waste with agency by ISWM Karnal-Cluster Contractor by 15.08.2023.	Timeline for linkage for E-waste with agency by ISWM Karnal-Cluster Contractor by 15.08.2023.

4.	Regulation of illegal E-Waste recycling / dismantling	Prevalence of informal trading, dismantling, and recycling of E-waste is in District	Action plan in coordination with SPCBs/PCCs and District Administration to check this activity.	HSPCB	There is no E-waste recycler/ dismantler in district Kaithal	There is no E-waste recycler/ dismantler in district Kaithal	There is no E-waste recycler / dismantler in district Kaithal	There is no E-waste recycler / dismantler in district Kaithal	There is no E-waste recycler/ dismantler in district Kaithal	There is no E-waste recycler/ dismantler in district Kaithal	There is no E-waste recycler/ dismantler in district Kaithal
5.	Integration of informal sector	Whether mechanism exists for bringing informal sector into main stream in collection and recycling of E-Waste	Evolve mechanism by involving producers / PROs	ULB	There is no E-waste recycler/ dismantler in district Kaithal	MRF Centre	MRF Centre	MRF Centre	MRF Centre	MRF Centre	No MRF Centre
6.	Awareness and Education	Are there any programs at district level for awareness about E-waste management?	Plan special workshops and awareness campaigns through Producers / PRO	HSPCB & ULB	Awareness programmes/ workshops shall be conducted	Awareness by Newspaper articles	Awareness by Newspaper articles	Awareness by Newspaper articles	Awareness by Newspaper articles	Awareness by Newspaper articles	Awareness by Newspaper articles

3.0 Air Quality Management

a. Current Status related to Air Quality Management

Details of Data Requirement	Present Status
Number of Automatic Air Quality monitoring stations in the district. - Operated by SPCB / State Govt / Central govt./ PSU agency : - Operated by Industry:	1
Number of manual monitoring States operated by SPCBs	0
Name of towns / cities which are failing to comply with national ambient air quality stations	NIL
No of air pollution industries	334
Prominent air polluting sources [Large Industry]/ [Small Industry]/ [Unpaved Roadsl / [Burning of Waste Stubble] / [Brick Kiln / industrial Estatel / [others] (Multiple selection)	Small Industry, Brick Kiln, Rice mills, Sugar Mill, Power Plant and Stubble Burning

b. Identification of gaps and action plan:

S. No.	Action points	Indicative Action Plan	Responsible agency	Timeline for completion of action plan	
1.	Identification of prominent air polluting sources?	Carry out inventory of air pollution sources in District including hotspots or areas of concern pertaining to air pollution in association with SPCBs/PCCs may	• HSPCB	Inventory of Air polluting Industries is already done and also the new industry are added to the list.	
				• DDA	Total farming families in District
			Total cultivable area:		1,95,953hect.
			Area under Paddy cultivation		1,55,000hect.
			Area under Basmati Paddy :		46,000 hect.(30%)
			Area under non-basmati and hybrid Paddy		1,09,000 hect. (70%)
			The estimated paddy straw production/year @ 6.2 tones per hectare:		9,61,000 tonnes
			Villages are red zone (> 6 AFLs)	83	
Note: The action plan has been prepared for awareness management of paddy straw through in-situ and ex-situ .					
2.	Ambient Air quality data?	Plan to get access to available air quality monitoring stations in the District operated by both Public and private agencies.	HSPCB	Ambient Air quality data Available through digital display Board, on Sameer App and CPCB website.	

3.	Setting up of Continuous Ambient Air Quality Monitoring Station	<p>Like weather station, District may also have ambient air quality monitoring at major urban settlements or Populated areas. Action Plan may propose setting up at least one CAAQMS in District. Also access data generated by CAAQM stations installed by other pvt/public agencies. District authority in association with local office of SPCB/PCC should also ensure that at least one manual Air Quality monitoring station is available in each city. [District admin may set-up its own network of CAAQMS or manual stations</p>	HSPCB	One CAAQMS in District Kaithal already installed
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4.	District Level Action Plan for Air Pollution	Action plan should be prepared for both improvement of existing air quality as well as for non-attainment days to national ambient air quality standards. Measures may include multi sectoral approach for air pollution control such as promotion of public transport, use of green fuels, E-mobility; LPG based cooking, carpeting open areas/kerbs, etc. Action plans envisaged in NCAP project initiated by MOEF &CC may be referred]	• HSPCB	Regular and special drives for inspection of industries is conducted																		
			• DDA	Comprehensive action plan for 961000 tonnes straw has been prepared through:- Ex-situ Management																		
				<table border="1"> <thead> <tr> <th>Sr. no</th> <th>Name of Unit</th> <th>Quantity in (Tonnes)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>M/s Sainsons Paper Industries Pvt Ltd. Pehowa</td> <td>40,000</td> </tr> <tr> <td>2</td> <td>M/s Sukhbir Agro Energy Pvt Ltd Kangthali (Siwan)</td> <td>1,50,000</td> </tr> <tr> <td>3</td> <td>15Paddy /fodder collection units working in block Kaithal, Pundri & Kalayat</td> <td>1,80,000</td> </tr> <tr> <td>4</td> <td>Other Small Unit like Gatta Factory etc</td> <td>2000</td> </tr> <tr> <td colspan="2">Total</td> <td>3,72,000</td> </tr> </tbody> </table>	Sr. no	Name of Unit	Quantity in (Tonnes)	1	M/s Sainsons Paper Industries Pvt Ltd. Pehowa	40,000	2	M/s Sukhbir Agro Energy Pvt Ltd Kangthali (Siwan)	1,50,000	3	15Paddy /fodder collection units working in block Kaithal, Pundri & Kalayat	1,80,000	4	Other Small Unit like Gatta Factory etc	2000	Total		3,72,000
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1	Through CHC (570)	400	2,28,000																			
2	Through individual implements (6200)	50	3,10,000																			
Total			5,38,000																			
• RTA	10 Nos. of Challans done in January, 2022 to June, 2022.																					
• ULB	Notice issued to the agencies which are using DG sets and to maintained their stack heights. Notice issued to Hotels and Dhabas for use LPG as fuel for cooking purpose.																					

5.	Hotspots of air pollution in District	hotspot with respect to air pollution (such as stubble burning, illegal waste burning, unauthorized operations, cluster activities, forest fires etc.) should be identified and localised action plan for mitigation of the same should be prepared	• HSPCB	The industries located in district Kaithal are not in cluster but scattered. There is no defined industrial zone in Dist. Kaithal. However all the air polluting industries are being monitored on a regular interval of time and being persuaded installed and run their APCMs regularly.
			• DDA	83 red zone villages(> 6 AFLs) have been identified where maximum non- basmati paddy transplanted and special IEC activities and monitoring mechanism have been prepared
			• ULBs	By Laws Constituted by ULBs

6.	Awareness on Air Quality	Plan for dissemination of information on local air quality in towns and cities located in District. May consider developing Mobile App / Online portal for dissemination of air quality as well as to take complaints on local air pollution.	<ul style="list-style-type: none"> • HSPCB • DDA 	Being done through digital display boards, Sameer App			
				IEC Activities plan			
				Sr.no.	Name of activity	Nos.	Action to be taken
				1	Village level awareness campaign	282	282 camps will be organized from September, 2022 to November, 2022 and 12000 mask bearing slogan was distributed
				2	Block level Seminars	7	All Sarpanches/ Numberdars will be sensitized
				3	District level Seminar	1	All District, Sub Division/Block Level officers will participate
				4	Wall Painting (with Various Slogans)	1200	1200 wall painting with different slogans will be completed upto September, 2022
				5	Demo Van	2	Will be flagged of in first week of September and run throughout the district during Harvesting season
				6	Printing material, leaflets, Pamphlets, etc	12000	To be Distributed during the awareness camps
7	Column articles in the various newspaper	daily	Covering all leading newspapers daily				
Monitoring Mechanism							
<ul style="list-style-type: none"> • Control room will be established • Flying squads/ monitoring teams will be constituted at District, Block and village levels. • Temporary Police posts will be created in the vicinity of red zone areas. • Regular patrolling by block level and village level teams in the red zone villages • No straw burning whats app group will be created for overall monitoring. • Owner of combine harvesters will be bound in writing to attach the SMS with machines during harvesting seasons. • No straw burnings panchayats will be awarded. • Storage spaces for paddy bales will be ear mark in gram panchayats 							

4.0 Water Quality Management

4.1 Water Quality Monitoring

a. Current Status related to Water quality Management

Details of Data Requirement	Present Status
Rivers	1. Ghaggar River (21 KM) 2. Para River (8 KM)
Length of Coastline (if any)	NA
Nalas/ Drains/Creeks meeting Rivers	1. Ghaggar = Markanda River, Meerapur Choe Link Drain, Patiala Nadi, Old Ghaggar Creak Drain, Para River, Kaithal Drain 2. Para River
Lakes / Ponds	650 according to Ponds Atlas by Haryana pond authority.
Total Quantity of sewage from towns and cities in District	44 MLD
Quantity of industrial wastewater	2.4 [MLD]
Percentage of untreated sewage	NIL [%]
Details of bore wells and number of permissions given for extraction of groundwater	268
Groundwater polluted areas if any	NO
Polluted river stretches if any	1. Ghaggar River (21 KM) 2. Para River (16 KM)

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

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1	inventory of water bodies	An environmental monitoring cell shall maintain data of all water bodies (rivers / canals / natural drains I creeks / estuaries / groundwater / ponds / lakes / etc.) in district including its water quality	Irrigation Department,	Inventory completed.
			CGWA	Groundwater availability (In Ham) Gulha- 9586, Kaithal- 12312, Pundri- 11561, Rajound 5745, Kalayat-9247, Sewan-4938 & Dhand- 5069
2	Quality of water bodies in the district	Check availability of data on water bodies. Create a district level monitoring cell for periodic monitoring of water bodies for specific parameters in association with SPCBs. It is also necessary to disseminate information pertaining to water quality in the form of hoardings on river banks, official websites, etc.	HSPCB	Water quality monitoring done on regular basis
3	Hotspots of water contamination	Check trends of water quality and identify hotspot of surface water and ground water. Establish a system or separate cell to monitor water quality. Implementaction points for restoration of water quality in association with SPCBs and department of environment.	HSPCB	No point source/ hotspot of surface/ ground water contamination

4	Protection of river / lake water front	Action plan should be prepared for control river side open defecation, dumping of Solid waste on river banks, for idol immersion etc.	Irrigation Department	Timeline for the same is 31.10.2023.
			ULB	ULBs install wire mess provided on all nallas and drains. Regular checking to avoid entering solid waste in water bodies and clean every day
5.	Inventory of sources of water pollution	Check whether inventory of all sewage and wastewater discharge points into water bodies in the district. Action plan to complete inventory.	Irrigation Department	07 Nos. untreated waste water drains in district Kaithal i.e. <ol style="list-style-type: none"> 1. Manas Link Drain from RD 0-19500 2. Geong Link drain from RD 0-34000 3. Silakhera Link Drain RD 0-9500 4. Peoda Link Drain RD- 0-30240 5. Amin Drain RD 0-140000 6. Pundri Drain RD 0-99590 7. Fatehpur link Drain RD 0-9300 Notices were issued to the Violators and concerned department and timeline fixed for the same 31.10.2023. Data can be accessed at www.hid.gov.in
			DDPO	52 Liquid waste management project has been completed and functional
6.	Oil spill disaster management (for coastal districts)	Whether district oil spill crisis management group and District Oil Spill Disaster Contingency Plan has been created? If not, create District Oil Spill Crisis Management Group and District Oil Spill Disaster Contingency Plan for the district	Not required	

7.	Protection of flood plains	Check whether there is regulation for protection of flood plain encroachment? Action plan should be prepared for protection flood plain and prevention of encroachment.	Irrigation Department,	Time to time checking is being done for the protection of Flood Plains. a. Protection of Para River flood plain Scheme prepared for constructing inlet and outfall point of Saraswati Creak and strengthening of proposed inlet and timeline fixed completed upto 31.10.2023. b. Protection of Ghaggar river Flood plains Restoration, Strengthening and making motorable of Ghaggar Bund will be completed upto 31.10.2024.
			ULB	MC installs wire mess provided on all nallas and drains. Regular checking to avoid entering solid waste in water bodies and clean everyday
			DDPO	Time to time checking is being done for the protection of Flood Plains.
8.	Rejuvenation of groundwater	Check availability of groundwater and if required prepare action plan to rejuvenate ground water in selected areas, Action plan should be prepared for Rain water harvesting	ULB,	35 Rain water harvesting are installed in ULBs of district Kaithal
			DDPO	In Jal Shakti Abhiyan 1875 Soak Pits has been completed in GPs of District Kaithal through Sawach Bharat Mission Gramin.
9.	Complaints redressal system	Check whether there is any complaint redressing system based on Mobile App I Online, is available? If not, a complaint redressing system based on Mobile App / Online should be available at district level	Irrigation Department,	01746-224216 bwsktl@gmail.com
			HSPCB	CM Window, PG Portal, SMGT and Sameer app

4.2 Domestic Sewage

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

Details of Data Requirement	PHED Div.-1	PHED Div.-2	HSVP
No of Class-II towns and above	2(Kaithal, Pundri)	3 (Guhla-Cheeka, Kalayat, Rajound)	1
No of Class-I towns and above	Nil	Nil	NIL
No of Towns STPs installed	4 (3 No. Kaithal& 1 No. Pundri)	2 (Guhla-Cheeka, Kalayat)	1 No. 7.50 MDL STP in Sector-21 at Khurana Road Kaithal (for Sector 19 & 20 and 21, Kaithal)
No of Towns needing STPs	4 (3 No. Kaithal& 1 No. Pundri)	1 (Rajound)	NIL
No of ULBs having partial underground sewerage network	2	2 (Guhla-Cheeka, Kalayat)	5
No of towns not having sewerage network	Nil	1 (Rajound)	NIL
Total Quantity of Sewage generated in District from Class II cities and above	22.50 Kaithal& 3.25 Pundri	9.3 MLD (Guhla 6.5 MLD, Kalayat 2.8 MLD)	4.65 [MLD]
Quantity of treated sewage flowing into Rivers (directly or indirectly)	22.50 MLD Kaithal& 3.25 MLD Pundri	9.3 MLD	3.50
Quantity of untreated or partially treated sewage (directly or indirectly)	Nil	Nil	Nil
Quantity of sewage flowing into lakes	Nil	Nil	Nil
Total available Treatment Capacity	30 MLD Kaithal& 3.50 Pundri	15 MLD	7.50 [MLD]

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

S. No	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan			Remarks
				HSVP	PHED Div.-1	PHED Div.-2	
1	Sewage Treatment Plants (STPs)	Check whether existence capacity of STPs is adequate for treatment of sewage? If no, action plan for additional treatment capacity required should be prepared in association with ULBs / department of UD,	<ul style="list-style-type: none"> • PHED • HSVP 	Total capacity of STP 7.50 MLD and present treated discharge 3.50 MLD and no required additional treatment capacity.	Existing STP's are sufficient in Kaithal Town and Pundri Town	Existing STP's are sufficient in Guhla-Cheeka Town and Kalayat Town. New STP is to be set up in Rajound Town	At present Water Supply Status of Rajound Town is @ 70 LPCD. Now 11.91 Acre if land for Construction of WTP in Rajound Town has been purchased through E-Bhoomi Portal from the land owners and land for Construction of STP has been got transferred from PWD (B&R). DPR for upgradation of Water Supply @ 155 LPCD and DPR for laying of Sewerage Networks and Construction of STP and are under preparation.
2	Underground sewerage network	Check available sewerage network and prepare Action plan for laying of sewerage network in town and cities. The project may be executed through ULBs and Department of UD.	<ul style="list-style-type: none"> • PHED • HSVP 	100% sewage network for Sector 18, 19, 20, 21 and 25, Kaithal	There is sufficient Sewerage Network laid in Kaithal Town and Pundri Town	There is sufficient Sewerage Network laid in Guhla- Cheeka Town and Kalayat Town. Rajound Town will be covered with Sewerage Network in Near Future.	
3	Laying of sewerage network in the towns	%age of the area covered under sewerage system, gap and timeline for completion	<ul style="list-style-type: none"> • PHED • HSVP 	100% area covered under sewerage system	Timeline for completion of gap is 31.10.2023	Timeline for completion of gap is 31.03.2025	
4.	Utilization of treated sewerage for irrigation	Utilization of treated sewerage for irrigation on which necessary scheme/ proposal along with fund requirement	Irrigation department	<ol style="list-style-type: none"> 1. STP installed in Ghula (7.5 MLD) and the scheme prepared for utilization of treated sewage water for irrigation purposes & work will be completed 30.06.2024. 2. STP installed in Jind Road Kaithal (7.5 MLD) and the scheme prepared for utilization of treated sewage water for irrigation purposes & work will be completed 31.10.2024. 			

5.0 Industrial wastewater management

a. Current Status related to industrial Wastewater Management

Number of Red, Orange, Green and White industries in the District	[06 Nos. of Red industries], [39 Nos. of Orange industries]
No of industries discharging wastewater	45
Total Quantity of industrial	3.8 MLD
Quantity of treated industrial wastewater discharged into Nalas / Rivers	NIL
Common Effluent Treatment Facilities	NIL
No of Industries meeting Standards	45
No of Industries not meeting discharge Standards	NIL

b. Identification of gaps and action plan for industrial wastewater:

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Compliance to discharge norms by industries	Identify gaps w.r.t industries not meeting the standards. Necessary action is initiated through SPCBs against the industries not meeting the standards.	HSPCB	Regular inspection and sampling of water polluting industries is carried out and 03 Nos. of units were closed by HSPCB and amount of 3418750/- Rs. Environment Compensation has been recovered for exceeding the discharge norms. All units have been installed the flow meter at inlet/out of ETPs.
2.	Complaint redressal system	Check if there is any complaint Redressing system based on Mobile App / Online, is available? If not, a complaint redressing system based on, Mobile App / Online portal may be prepared at district level.	HSPCB	CM Window, PG Portal, SMGT and Sameer app

6.0 Plantation Drive

25	Plantation activities	Responsible Agency	DFO	Irrigation Dept.	HSVP	DDPO	MC Kaithal	MC Kalayat	MC Cheeka	MC Rajound	MC Pundri	MC Siwan
25.1	Number of trees planted last year	DFO, ULB & HSVP	514287	At office buildings =1000 Along drains and canal= 1000	1880	1200	2000	200	250	500	53	75
25.2	Number of trees to be planted in current year	DFO, ULB & HSVP	1275317	At office buildings =2000 Along drains and canal= 3000	2000	2780	5000	70	100	275	47	62
25.3	Number of trees planted till now in current year	DFO, ULB & HSVP	570869	At office buildings =2000 Along drains and canal= 3000 (Target of planting 5000 trees as per jal shakti abhiyan has been completed)	1700	1280	3000	70	100	275	47	62

7.0 Mining Activity Management plan

a. Current Status related to Mining Activity Management

Details of Data Requirement	Existing Mining operations
Type of Mining Activity	No mining activity held in district Kaithal
No of licenced Mining operations in the District	NIL
Area covered under mining in the District	0
Area of Sand Mining	NIL
Area of sand Mining	NIL

b. Identification of gaps and action plan:

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Monitoring of Mining activity	A district level task team may be identified to identify mining activity and to monitor status wither respect to environmental compliance	Mining Department	No mining activity held in district Kaithal
2.	Inventory of illegal mining if any mining	Action plan to identify illegal sand and other mining activity in the District through surveillane, patrolling and enforcement. District Level task Force may be constituted for control of illegal mining activity	Mining Department	NIL
3.	Environment compliance by Mining industry	Action plan for periodic verification of compliance to environmental conditions stipulated by SPCBs/PCC, MOEF & CC department of mines etc. SPCBs/PCC may be involved in this activity.	Mining Department	NIL

8.0 Noise Pollution Management plan

a. Current Status related to Noise Pollution Management

Details of Data Requirement	Measurable Outcome
No. of noise measuring devices available with various agencies in district	01

b. Identification of gaps and action plan:

S. No.	Action points	Gaps and Action Plan	Responsible Agency	Timeline for completion of action plan	
				HSPCB	Traffic Police
1.	Availability of Sound/Noise Level Meters.	Need to check whether concerned agencies that is ULBs, SHOs, Traffic police and SPCB/PCC have noise level meters. District administration may ensure through an action plan that concerned agencies and environmental cell under district administration have adequate number of portable noise level meters.	HSPCB, Traffic Police,	Yes, HSPCB office has purchase the Noise Level Meter.	No Noise Meter is available in Traffic Police Kaithal
2.	Ambient Noise Level monitoring.	ULBs shall ensure that ambient sound levels comply with notified standards for residential, sensitive zones. An action. Apart from portable analyzers, fixed ambient noise level monitoring stations may be installed in major cities and towns, such stations may be installed by ULBs and SPCB/PCC,	HSPCB, Traffic Police	Timeline of installation of Ambient Noise Level monitoring device is 31.12.2023.	

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan		
				HSPCB	ULBs	Traffic Police
3.	Signboards in Noise zones	District administration may ensure that adequate number of sign boards installed at sensitive zones in towns / cities in towns and cities . An action plan may be prepared by district authority.	ULB, Traffic Police	-	Signboard provided at Community centres, and marriage places.	Signboard is displayed in various place in District Kaithal Challan Issued on Regularly by the team and total 564 Challan has been issued against the violator
4.	Complaint redressing system	Action plan may envisage implementing a public complaint redressal system for noise pollution. Such application may be used by SHOs, Traffic police ULBs and SPCBs in the district.	ULB, HSPCB, Traffic Police	CM Window, PG Portal and SMGT	Complaint register maintain in ULBs.	Police Control Room
5	Restriction on the use of pressure horns in vehicles	-	Traffic Police	-	-	115 Nos. of Challans done in January, 2022 to 15.08.2022 and regularly 05 teams has been constituted for regular monitoring regarding instruction for restriction on the use of pressure horns in vehicles

9.0 Other Environmental Issues

Sr. no.	Action points	Responsible Agencies	
1	Management of solid waste and liquid waste generated from unauthorized colonies/residential complexes/commercial complexes developed by private developers	ULB	The survey of illegal colonies falling in ULBs jurisdiction done by jointly visit with DTP and special drive for removal of unauthorized construction and street done by jointly with DTP.
		DTP	The survey of all illegal colonies falling under Kaithal district has been prescribed by this office. The draft is being done continuously for the last 15 days, due to which the survey of total 89 illegal colonies of Kaithal, Guhla Cheeka, Kalayat, Pundri, Rajound declared under Section 2 of the HDR Act, 1975 has been completed. The total area of 89 illegal colonies made by the office is about 389.05 acres and the area of houses/shops constructed in them is about 61.02 acres. Case of 49 illegal colonies has been sent by DTP to Government for regularization and further action will be taken by Municipal Council, Kaithal in this regard. The survey of rest 40 illegal colonies is pending with DDPO and MCs
		DDPO	Management of solid waste has been done on GP level and liquid waste has been done in by Xen (PR).
2	Management of carcasses in the rural area	DDPO	Management of carcasses has been done on GP level.
3	Management of solid and liquid waste generated by the poultry farm of the districts	HSPCB	06 Nos. of Poultry farms having valid authorization from the Board and inspection done as per the guideline. Solid waste generated in poultry farms used as manure in agriculture land and liquid waste stored in tank and then after use in gardening/ agriculture activity.
		Animal Husbandry	196 Nos. of Poultry farms operational in district Kaithal. Solid waste generated in poultry farms used as manure in agriculture land and liquid waste is negligible.

10.0 Good practices

Good environmental management practices are those techniques, measures and actions that can be implemented by public administrations to minimize their direct and indirect impact on the environment. The District Administration of Kaithal always make efforts for adopting best environment management practices. Some of them are enlisted below:

1. Installed one number Continuous Ambient Air Quality Monitoring Station at Kaithal City for real time monitoring of Ambient Air Quality as per National Ambient Air Quality Standards. One display board reflecting real time data regarding different parameters is installed at prominent location i.e. Mini Secretariat. The AQI of Kaithal District is observed as Good to Moderate range in last three month.
2. All 284 Health care facilities including government, private hospital, clinic, diagnostic centre, veterinary hospital, occupation health centre, ESI centre etc. has obtained the biomedical authorization as per Biomedical Waste Rules, 2016.
3. For Kaithal district, Common Bio Medical Waste Treatment Facilities (CBMWTF) is operational i.e. M/s Invision Enviro Services Pvt. Ltd., Phulkan, Sirsa is disposing biomedical waste of all healthcare facilities from Kaithal district in scientific manner with environmentally sound facility as per CPCB guidelines.
4. All the 13 industrial units engaged in Hazardous waste generation have obtained the Hazardous waste authorization as per Hazardous and Other Waste Rules, 2016. Further the digital online manifest system is adopted by these units for transportation of Hazardous waste to CHWTDF.
5. Total 07 Sewage Treatment Plants installed having capacity of 56 MLD sewage water.
6. To avoid and reduce the smog during the winter seasons water sprinkling and spraying is done by ULBs, Industries, Construction Sites, PHED and other departments.
7. Regular Tree Plantation Derives is conducted by various Industries, NGOs, farmers, District Administration along with HSPCB regional Office and Forest Department.
8. Real Time monitoring of Stubble Burning incidents conducted through Satellite by Haryana Space Applications Centre (HARSAC) along with HSPCB regional Office and District Administration.
9. For the environmentally sound management of domestic solid waste; 100% door to door collection is achieved by all Urban Local Bodies of Kaithal District.

10. For the enforcement of Plastic Waste (Management and Handling) Rules 2016 and Haryana Government, Urban Local Bodies Department notification dated 20.08.2013; challan are regularly conducted by Kaithal District administration.
11. Mechanized Road sweeping machines are regularly used to reduce the air pollution by Municipal Council, Kaithal.
12. The Kaithal District is an open defection free district (ODF).
13. To reduce the vehicular pollution well managed traffic system is adopted with Parking facilities, traffic light systems, PUC Certificate checking etc. by traffic police. To avoid overloading and further compliance of Motor vehicle Rules regular checking is done by Regional Transport Office/ Authority, Kaithal.
14. All the 85 no. of Brick Kiln are operating after conversion from (FCBTK) Fixed chimney bull's trench kiln to Zig -Zag technology.
15. All the industries in Kaithal District are using only legal/approved fuels as per the HSPCB Order dated 13.07.2022.
16. Hotels/ Restaurants/ Dhabas/ Banquette Halls etc. has been directed to installed Pollution control devices and to comply with the guideline issued by CPCB for management of Solid & Liquid waste
