


**District Environment Plan for District Faridabad,  
State - Haryana**



**Deputy Commissioner, Faridabad**  
**Mini Secretariat, Sector-12, Faridabad**  
**E-Mail: [dcfbd@hry.nic.in](mailto:dcfbd@hry.nic.in)**

  
**Regional Officer**  
**Faridabad Region**

  
**Regional Officer**  
**Ballabgarh Region**

  
**Deputy Commissioner**  
**Faridabad**

**Dated: 23.06.2023**

**Contents**

1.0 District Profile .....	4
a. District Administrative Set-up .....	4
b. Local institutions .....	4
c. Natural Resources .....	4
▪ Waterbodies.....	4
▪ Availability of water resources.....	4
▪ Forest coverage.....	4
d. Geography & Demography .....	4
e. Land-use patter .....	4
f. Climate .....	5
2.0 Indicative Gap Analysis and Action Plans for complying with Waste Management Rules.....	5
(i) Solid Waste Management .....	5
a. Current status related to solid Waste management.....	5
b. Identification of gaps and Action plan .....	5
(ii) Plastic waste Management.....	9
(a) Current status related to Plastic waste management .....	9
(b) Identification of gaps and Action plan.....	9
(iii) C & D Waste Management .....	11
▪ a. Current status related to C & D Waste .....	11
b. Identification of gaps and Action plan .....	11
(iv) Biomedical Waste Management.....	13
a. Current Status related to biomedical waste .....	13
b. Identification of gaps and Action plan .....	13
(v) Hazardous Waste Management .....	15
a. Current Status related to Hazardous Waste Management .....	15
b. Identification of gaps and action plan .....	15
(vi) E-Waste Management .....	17
a. Current Status related to E-Waste Management .....	17
b. Identification of gaps and action plan .....	17
3.0 Air Quality Management.....	18
a. Current Status related to Air Quality Management.....	18
b. Identification of gaps and action plan .....	19
4.0 Water Quality Management .....	21
4.1 Water Quality Monitoring.....	21

a. Current Status related to Water Quality Management .....	21
b. Identification of gaps and action plan for water quality monitoring.....	21
4.2 Domestic Sewage.....	23
a. Identification of gaps and action plan for treatment of domestic sewage.....	23
b. Identification of gaps and action plan for treatment of domestic sewage .....	23
5.0 Industrial waste water management.....	24
a. Current Status related to Industrial Waste water Management.....	24
b. Identification of gaps and action plan for industrial waste water:.....	24
6.0 Mining Activity Management plan.....	25
a. Current Status related to Mining Activity Management .....	25
b. Identification of gaps and action plan .....	25
7.0 Noise Pollution Management plan .....	26
a. Current Status related to Noise Pollution Management .....	26
b. Identification of gaps and action plan .....	26

## 1.0 District

### 1.1 Profile

- Faridabad, a major industrial city of Haryana State was founded in 1607 by ShaikhFarid, treasurer of Jahangir, with the object of protecting the highway which passed through the town. ShaikhFarid built a fort, a tank and a mosque, which are in ruins. Later, it becomes the headquarters of a pargana which was held in jagir by the Ballabgarh Ruler. Faridabad became 12th district of Haryana State on 15th August 1979.
- Area: 741 Sq. Km.
- 4<sup>th</sup> rank ( Area wise in the State)
- Faridabad Division and District 28 Degrees are between 10°50'N and 28°29'04 " latitude and 77 degrees 06'49"E and 77°33'23"Light longitude. It has a geographical area of 742.90 square kilometers. Faridabad District and Division is located on South-Eastern part of the State. Its dense shape located in the south of Delhi is made in the NCR west border of Gurugram district and eastern areas of Uttar Pradesh state. The District Palwal is located in the south.
- Forest Coverage
- Adjoining Districts: Gurugram, Palwal, Nuh.
- Adjoining States: Delhi & Utter Pradesh.

The District and Division is a plain area with a perennial river Yamuna on its east, which has formed its flood plain area as a narrow belt along the Yamuna River. It is quite different from the remaining upland plain area. The former is known as Khadar, the low lying flood plain of newer alluvium. The latter, an upland plain made of older alluvium, is known as Bhangar. The Khadar is generally three to five kilometers wide and is subject to floods from the Yamuna River during the rainy season. When the flood recedes we find considerable fine silt which is easy to plough. The soil in the flood plain area retains adequate moisture. Physio-graphically we can sub-divide the district into Faridabad Undulating Plain and Yamuna Khadar Region. Faridabad Undulating Plain covers north-western parts of Faridabad and Ballabgarh tehsils. Physiography of this sub-part reveals presence of residual Offshoots of Aravalli hills. Yamuna Khadar Region extends over eastern side of the district along the Yamuna River. Its slope is towards the south.

#### a. District Administrative Set-up

### Faridabad – A District Profile



<b>Sub-Division</b>	<b>3</b>	<b>Rural Population</b>	<b>3,10,694</b>
<b>Blocks</b>	<b>3</b>	<b>Rural Household</b>	<b>56,171</b>
<b>Gram Panchayats</b>	<b>100</b>	<b>Literacy Rate</b>	<b>75.72%</b>

**b. Local institutions**

- |                                  |  |
|----------------------------------|--|
| 1. Sub Divisions,                | 3 Nos. (Faridabad, Badkhal and Ballabgarh) |
| 2. Revenue circles,              | 35 Nos.                                    |
| 3. Community Development Blocks, | 3 Nos.                                     |
| 4. Panchayats                    | 100  |
| 5. Villages.                     | 116  |

**c. Natural Resources**

- Water Bodies 28 Nos.

- Availability of water resources - Annexure B, Send by XEN, Irrigation is enclosed. Public Health Eng. Division Faridabad looks after the water supply of 127 villages of District. Faridabad. The Urban area of Faridabad is with Municipal Corporation Faridabad. Out of 127 no. villages, Water supply in 122 No. villages is provided @ 55 LPCD (Ltr. per capita per day) and work of Aug. of source in remaining deficient 5 No. villages is in progress under various programmes as per Govt. Policy to achieve target of 55 LPCD. The jurisdiction covers 3 No. assembly constituencies i.e. N.I.T. Faridabad. Tigaon & Prithla. The overall expenditure of Rs. 2684.81 Lacs has been incurred by the department since 2005 as per following detail:-

Sr. No.	Name of Assembly	Expenditure Incurred
1.	Prithla-85	179519
2.	NIT-86	421721
3.	Badkhal-87	440042
4.	Ballabgarh-88	152325
5.	Faridabad-89	290812
6.	Tigaon-90	325314
	Total	1809733

- **FMDA:** In this regard, it is submitted that at present water is being supplied by FMDA through 152 Tube wells (existing) and 22 no. Ranney wells. Presently, domestic water supply demand of Faridabad town is 450 MLD. Availability of water from 22 No. Ranney wells, 139 No. Deep Tube wells & Tube wells installed within MCF area caters to 330MLD water supply demand. Remaining water supply demand has been proposed to be met through 12 No. Ranney wells of 120 MLD (10 MLD each) shall be installed by FMDA up to 2025 in three phases.

**d. MCF:-** At present water is being supplied by MCF through 1792 Tube wells (existing).

**e.** In this regard, it is submitted that at present water is being supplied by Municipal Corporation, Faridabad through 1792 Tube wells (existing) and 14 No. Ranney wells. It is further submitted that the work of Ranney Well is being looked after by FMDA. From this infrastructure 240 MLD water is available and 30 MLD short fall. To meet out this gap new T/wells are being installed

**f. Forest coverage**

The property of Haryana State except the railways lines, which are owned by Govt. of India. Most of the

#### District Environment Plan- Faridabad

strips were transferred to forest Department for management purposes vide Punjab Govt. Notification No. 6058-ft/3305-3307 dated 31 Dec 1957. The plantations along the strips, have been declared as protected Forests under Section 29 of India Forest act 1928. All the Aravalli Hills covered under Aravalli project and other plantation Schemes are to be treated as forest by virtue of various Supreme Court Judgments 12.12.1996, 18.03.2004. Areas closed under section 4 & / 5 of PLPA, 1900 are also to be treated as Forests by virtue of orders of Hon'ble Supreme Court of India. At some places, especially along canals, shisham is coming up naturally all other species needs artificial regeneration. Up to some extent Neem and Acacia tortilis is also comes up naturally in some strips and Block forests. In the Aravalli Hills natural regeneration of mesquite is found in patches.

#### e. Forest coverage

The property of Haryana State except the railways lines, which are owned by Govt. of India. Most of the strips were transferred to forest Department for management purposes vide Punjab Govt. Notification No. 6058-ft/3305-3307 dated 31 Dec 1957. The plantations along the strips, have been declared as protected Forests under Section 29 of India Forest act 1928. All the Aravalli Hills covered under Aravalli project and other plantation Schemes are to be treated as forest by virtue of various Supreme Court Judgments 12.12.1996, 18.03.2004. Areas closed under section 4 & / 5 of PLPA, 1900 are also to be treated as Forests by virtue of orders of Hon'ble Supreme Court of India. At some places, especially along canals, shisham is coming up naturally all other species needs artificial regeneration. Up to some extent Neem and Acacia tortilis is also comes up naturally in some strips and Block forests. In the Aravalli Hills natural regeneration of mesquite is found in patches.

#### f. Geography & Demography

Sr. No.	Item	Nos.	
1.	Area	741 Sq. Kms.	
2.	Population	Rural - 2965	18,09733
		Urban - 15,13,147	
3	Decinneeal Growth Rate	32.54	
4	Population Density	2442	
5	Literacy Rate	81.7%	
6	Sex Ratio	District	873
		State	879

#### g. Land-use patter

Sr. No.	Description	Nos.
1.	Geographical Area	182606
2.	Area Under Forest	7022.48 Hectares
3.	Cropped Area	65,000 Hectares
4.	Area Irrigation	35,458
5.	Percentage of net area under irrigation to total area shown	40%

#### Area Under Forest

Reserved	Protected Forests				Closed under Sec 4 and / or 5 of PLPA 1900	Total
	Road	Canal	Bundh	Tubewell/ Channal		
175.63 Ha	670.72 Ha	5.9.69 Ha	64.05 Ha	89.26 Ha	5513.13 Ha	7022.48 Ha

**h. Climate**

Sr. No.	Description	Nos.	Min	Max
1.	Seasonal Variations Temperature	Winter	4*c	24*c
		Summer	24*c	44*c
2.	Rain Fall	631.31 mm		
3.	Prevalence of floods	Nil		
4.	Cyclones	Nil		
5.	Land Slides	Nil		
6.	Average Rainfall	600 mm		

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 DECs have focused primarily on the Urban part of the district. It shall collect data and plan for the Rural part of the district on the above parameters as well. Rural sanitation, disposal of sewage and waste water plan shall be taken on priority.

The implementation of the DEPs requires coordinated efforts of multiple stakeholders and focus on priorities. This would require close monitoring. Constitution of Monitoring Committee for effective implementation is under consideration which may consist of :-

Additional Deputy Commissioner	Chairman
Commissioner in case of Municipal Corporation & District Municipal Commissioner	Co-Chairman
Chief Executive Officer, ZilaParishad	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

Every District shall have a nodal officer as a link for better coordination.

**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 DEPs, if any.
- The Committee shall meet once in a month and review the status of implementation of DEPs.
- The Committee shall submit its monthly reports regarding monitoring of DEPs to District Environment Committee and make suggestions too.
- The Committee shall also visit the sites once in three months to check the implementation of DEPs on ground.
- The Committee shall ensure the active participation of each department and inter-departmental coordination for implementation of DEPs.
- The Committee shall take measures for effective enforcement of prohibited activities under DEPs.
- 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.

**Monitoring Performa:-**The suggestive performa for implementation & monitoring the District Environment plans is as under:-

**Performa for the Compliance of District Environment Plan.**

Sr. No	Details to be Filled	Status	Remarks
	Name of the ULB:	Municipal Corporation,	



Faridabad  
Sh. BK Kardam,  
Chief Engineer,  
Municipal  
Corporation,  
Faridabad

Name of the Nodal Officer:

Contact No.

09717170369

<b>1</b>	<b>Total No. of Wards</b>	40
<b>2</b>	<b>Total No. of Households</b>	3,59,000
<b>3</b>	<b>Total Waste Generated (in TPD)</b>	750 MT to 850 MT
<b>4</b>	<b>Door to Door Collection of solid waste</b>	
4.1	Total No. of household covered under Door to Door Collection of solid waste	94%
4.2	Total No. of wards covered under Door to Door Collection of solid waste	40
4.3	% age of door to door collection of solid waste achieved	94%
4.4	Gap to achieve 100% Door to Door collection	6%
4.5	If there is gap, then Timeline to achieve 100% Door to Door collection	31 Dec 2023
<b>5</b>	<b>Source Segregation of solid waste</b>	
5.1	Total No. of household covered under source segregation of solid waste	3,37,554
5.2	Total No. of wards covered under source segregation of solid waste	40
5.3	% age of source segregation of solid waste achieved	58%
5.4	Gap to achieve 100% Segregation	52%
5.5	If there is gap, then Timeline to achieve 100% Segregation	31 Dec 2023
<b>6</b>	<b>Litter Bins</b>	
6.1	<b>Tick the Correct and Provide the Details as required: -</b>	
6.1.1	• Bin free Residential area	-
6.1.2	• Whether Litter Bins still exist in residential area	Yes
6.2	No. of Litter Bins required in Commercial places and public places (as per SBM Guidelines)	1019
	• No. of Litter Bins installed in Commercial areas and public places	
6.3	• Mechanism adopted to ensure segregation of solid waste at litter Bins sites in commercial areas and public places and its further transportation in the segregated form	700

**7 Separate Transportation**

7.1	No. of vehicles required for the collection and transportation of solid waste.	100 tractor is being purchased by ECO green 285 no. of primary motorized vehicles are available for transportation of waste from households to transfer station.
7.2	No. of vehicles available with the ULB for collection and transportation of solid waste along with percentage.	25 no. of E-rickshaws have been procured through IOCL for door-to-door collection and approx., 419 manual rickshaws are currently working for collection for waste from households in different areas of MCF.
7.3	Gap, if any	No
7.4	If there is gap, then Timeline to achieve the gap.	No
7.5	No. of compartmentalized vehicles along with percentage.	325
7.6	Gap to achieve 100% compartmentalized vehicles.	40%
7.7	If there is gap, then Timeline to achieve 100% compartmentalized vehicles.	30-09-2023
7.8	No. of vehicles with GPS for the collection and transportation of solid waste along with percentage.	All the motorized primary and secondary collection vehicles are GPS enabled.
7.9	Gaps to achieve 100% vehicles with GPS for the collection and transportation of solid waste.	-
7.10	If there is gap, then Timeline to achieve 100% vehicles with GPS for the collection and transportation of solid waste.	-
<b>8 Solid Waste Processing</b>		
8.1	Total amount of solid waste generated within the ULB	750 MT to 850 MT
8.2	Quantity of wet waste generated (in TPD)	400 tpd (aprx)
8.3	Quantity of dry waste generated (in TPD)	400 tpd (aprx)
8.4	Whether Processing of dry waste is done or not. (If Yes, mechanism adopted for the same)	Yes, Apprx. 111 TPD of dry waste is being sent to recycler by ECO green from

## Transfer stations.

		<ul style="list-style-type: none"> <li>• 1037.95 MT of plastic waste has been channelized by Indian Indian Pollution Control Association &amp; M/s Ramky Reclamation and Recycling limited.</li> </ul>	
8.4.1	Quantity of dry Waste processed (in TPD) along with percentage	90%	
8.4.2	Gap in processing of Dry Waste.	10%	
8.4.3	If there is a Gap, then Timelines to achieve 100% Processing of dry waste	31.12.2023	
8.5	Construction of MRFs	6 No. MCR already exists	
		MCF focus is to increase no. of decentralized processing plant in the ULB.	
8.5.1	Number of MRFs required in MC.	Survey will be done to identify to actual requirement of decentralized processing plant. Presently, 06 MRFs / transfer stations are running.	
8.5.2	How many MRFs are available within the ULB	6 No.	
8.5.3	Gap , if any	No	
8.5.4	If there a Gap, then timelines to achieve the Gap	no gap	
8.5.5	Capacity of available MRFs	860 MT	
8.6	Quantity of wet Waste processed (in TPD) along with percentage	400 TPD	
		Land has been identified for installation of Bio methanation plant for processing of fresh wet waste.	Current Status
8.6.1	Gap in processing of Wet waste.		4 locations have been identified for processing of 250 TPD waste (1) Mujeri (2)Partapgarh (3) Riwazpur

(4) Pali

The construction work of processing plant mentioned at Sr. No. 1 and 2 is in progress. And the site mentioned at Sr. No. 3 & 4 are under dispute by the local residence.

8.6.2	If there is a Gap, then Timeline to achieve 100% Processing of wet waste	subject for environment and forest clearance
	<ul style="list-style-type: none"> <li>• Number of compost pits required for processing of total wet waste of ULB</li> </ul>	no requirement
8.6.3	<ul style="list-style-type: none"> <li>• Number of compost pits provided for processing of wet waste</li> </ul>	n/a
	<ul style="list-style-type: none"> <li>• Timelines for construction of remaining compost pits</li> </ul>	n/a
8.6.4	Kindly mention any other mode for treatment of wet waste	Bio-remediation and waste to energy plant 25 MW at Bandhwari landfill site
8.7	Whether there is proposal to setup Integrated Scientific Solid Waste Management facility.	Already setup at Bandhwari
8.7.1	If yes mention timelines.	31.09.2023 approx.
8.7.2	Month wise progress.	Bandhwari plant is being looked after by MCG
8.7.3	Status of issuance of authorization under SWM Rules-2016.	Bye laws for Municipal Corporation Faridabad has been prepared and notified
8.8	Quantity of total solid waste processed (dry waste processing + wet waste processing) (in TPD) along with percentage.	750-800

**9. Plastic Waste Management**

9.1	Quantity of Plastic Waste (TPD)	80 TPD to 90 TPD approx.
9.2	No. of collection Centre required for Plastic Waste	not required
9.3	No. of collection Centre provided for Plastic Waste	<ul style="list-style-type: none"> <li>• 6 Nos MRF has been established and maintain by M/s Eco green.</li> </ul>
9.4	Gap , if any	n/a
9.5	If there a Gap, then timelines to achieve the Gap	<p>n/a</p> <ul style="list-style-type: none"> <li>• 6 Nos. MRF has been established and maintain by M/s Eco green.</li> </ul> <p>Around 111 TPD of dry waste is sent to recycler.</p> <ul style="list-style-type: none"> <li>• Two agencies named M/s Ramky Reclamation and Recycling limited And Indian Pollution Control Association has been empaneled by MCF for Channelizing the collected waste plastics.</li> <li>• 77 Rag picker has been identified by MCF in MC area.</li> <li>• 1037.95 MT of plastic waste has been channelized by Indian Pollution Control Association.</li> <li>• 1089.9 MT of plastic waste has been channelized M/s Ramky Reclamation and Recycling limited.</li> </ul> <p>Partial segregation is being at MRF through informal workers</p>
9.6	Mechanism for collection for Plastic Waste	<ul style="list-style-type: none"> <li>• 77 Rag picker has been identified by MCF in MC area.</li> <li>• 1037.95 MT of plastic waste has been channelized by Indian Pollution Control Association.</li> <li>• 1089.9 MT of plastic waste has been channelized M/s Ramky Reclamation and Recycling limited.</li> </ul>
9.7	Mechanism for segregation for Plastic Waste	Partial segregation is being at MRF through informal workers
9.8	No. of rag pickers integrated	77
9.9	Mechanism of scientific disposal of Plastic Waste	2 agencies have been empaneled for

District Environment Plan- Faridabad

		plastic waste
9.10	Quantity of Plastic Waste being disposal scientifically (TPD)	30 TPD
9.11	Quantity of Plastic Waste recycled (TPD)	30
9.12	Quantity of Plastic Waste used for road construction (MT)	-
9.13	Quantity of Plastic Waste used for incineration in cement plants (MT)	-
9.14	No. of Producers, Importers, Brand-owners (PUBOs) engaged under extended Producer Responsibility (EPR)	-
9.15	No. of awareness activities conducted	40 Ward committee has been constituted for awareness purpose and day to day awareness is being done by the members and also through NGOs.
<b>10</b>	<b>C&amp;D Waste</b>	
10.1	Quantity of C&D waste generated (in TPD)	100 TPD
10.2	Mechanism for proper collection, transportation, processing and disposal of C&D Waste.	M/s Raw 2 Road is awarded a contract with maximum capacity of processing design 300 TPD for proper collection, transportation, processing and disposal of C&D Waste at Riwazpur.
10.3	Whether separate site for storage of C&D waste has been identified of not. (If Yes, Kindly Mention the details of the site)	Yes, at Riwazpur (7 Acre)
10.4	If the storage site is identified, please confirm if it is notified	At Riwazpur
10.5	Whether processing of C&D waste is done or not (If Yes, mechanism adopted for the same)	Yes, M/s Raw 2 Road is awarded a contract with maximum capacity of processing design 300 TPD for proper collection, transportation, processing and disposal of C&D Waste at Riwazpur.
10.6	Details of machinery installed for Processing of C & D waste	JCB Machine-01 no., crusher plant-01 no., generator-01 no.,

dumper-01 no.,  
tractor-03 nos.

10.7	Kindly explain end use of recycled products generated from C & D processing plant	No
10.8	Status of clearance of old dumping sites along the road side and water bodies	Main road from Sec-29 bridge to Amrita Hospital, Badkal Road, Sector-48, NH-IV Cremation ground, Sector-21D, Sector-21A, MCF office, Ballabgarh Dushara Ground Vill-Khori etc.
10.9	No. of approvals granted of waste management plans submitted by waste generators before construction starts.	No
<b>11</b>	<b>Plastic waste and other solid waste Challans</b>	
11.1	No. of recyclers registered	2 agencies (as mentioned above)
11.2	No. of Challans issued (during the last three months)	54
11.2.1	No. of Challans issued for selling/use of Plastic carry bags or single use plastic items by the shops/ individuals	54
11.2.1.1	Amount of fine (in Rs.) imposed on the violators	18500
11.2.1.2	Amount of fine (in Rs.) collected from the violators	18500
11.2.2	No. of Challans issued for littering of plastic waste	201 (under Section 273 and sent to court)
		E-challan – 15
11.2.2.1	Amount of fine (in Rs.) imposed on the violators	75000
11.2.2.2	Amount of fine (in Rs.) collected from the violators	75000
11.2.3	No. of Challans issued for burning of plastic waste	0

District Environment Plan- Faridabad

11.2.3.1	Amount of fine (in Rs.) imposed on the violators	0
11.2.3.2	Amount of fine (in Rs.) collected from the violators	0
11.2.4	No. of Challans issued for littering of other solid waste	0
11.2.4.1	Amount of fine (in Rs.) imposed on the violators	0
11.2.4.2	Amount of fine (in Rs.) collected from the violators	0
11.2.5	No. of Challans issued for burning of other solid waste	0
11.2.5.1	Amount of fine (in Rs.) imposed on the violators	0
11.2.5.2	Amount of fine (in Rs.) collected from the violators	0
11.2.6	Total Amount of fine collected (in Rs.) for selling/use of plastic carry bags or single use plastic items by the shops/ individuals, burning of plastic waste, littering of plastic waste, burning of other solid waste and littering of other solid waste(during the last three months)	93500

**12 Bulk Waste Generators (BWGs) identification and processing of solid waste**

Total No. of BWGs Identified		
12.1	a. With 100 Kg and above solid waste/day. b. with 50 Kg to 100 kg solid waste/day.	118
12.2	Quantity of solid waste generated by the identified BWGs (in TPD)	23 TPD
12.3	Total No. of BWGs processing waste within their premises along with percentage.	Approx. 50 BWGs have installed machinery at their own premises for making compost and around 68 no BWGs are sending their wet waste to IOCL & NGO namely Human Kind Foundation.
12.4	Total No. of BWGs processing waste outside their premises alongwith percentage	



District Environment Plan- Faridabad

12.4.2	Gap in 100% processing of waste by BWGs within or outside their premises	Notice has been issued for further identification of BWGs.
12.4.3	If there is a Gap, then timeline to achieve 100% processing done by BWGs within or outside their premises	n/a
12.5	Recovery and fine/penalty mechanisms on those BWGs who are not processing the waste either within their premises or outside their premises	n/a
12.6	Amount of fine/penalty recovered (in Rs.)	n/a
12.7	Kindly confirm whether BWGs have signed an agreement with ULB (MC) for delivering of dry waste to MC with suitable user charges	n/a

**13 Preventing solid waste from entering into water bodies**

13.1	Detailed Information of Mechanism Adopted (wire-mesh, etc.)	
13.2	Drains/ Nallahs within Municipal limits (Responsibility of Municipality/ MC)	Mawai drain, Gaunchi drain, Budhiyanallah
13.2.1	Name of drains/Nallahs where steps have been completed to prevent entering of solid waste	70% Nallah have been covered with fencing.
13.2.2	Name of drains/nallahs where steps have not been completed to prevent entering of solid waste	-
13.3	Drains/Nallahs outside Municipal limits (Responsibility of Rural development & Panchayat department)	-
13.3.1	Name of drains/nallahs where steps have been completed to prevent entering of solid waste	All the nallah have been cleaned time to time.
13.3.2	Name of drains/nallahs where steps have not been completed to prevent entering of solid waste	-

5 MS jali is being fixed on Gaunchi drain and Budhiya Nallah.

**14 User Fees**

14.1	Whether User Fee has been notified or not. (If Yes, kindly provide the Notification)	Yes
14.2	No. of households where User Fee has been prescribed	
14.3	No. of Wards where User Fee has been prescribed	
14.4	How much recovery is done and what are the adopted mechanisms	

**15 Garbage Vulnerable Points (GVPs)**

15.1	<ul style="list-style-type: none"> <li>No. of GVPs Identified</li> <li>No. of GVPs removed</li> </ul>	212(Authorized) 253(Un-Authorized) Under Process
15.2		

District Environment Plan- Faridabad

- Steps taken to convert the vacated places after removing GVPs into sitting places, playgrounds, parks, gardens or any other useful usages

CE(H)

15.3 Timelines to remove the pending GVPs -

**16 Citizen Grievance Redressal**

16.1 No. of complaints registered (in one month) Complaints are received on toll free number

16.2 No. of complaints redressed 18001025953

16.3 Action taken, if complaints are not redressed

**17 Legacy waste treatment**

- Location and area under legacy waste dump site

17.1

- Quantity of legacy waste dumped at the dumpsite (MT)
- Status of boundary wall and green belt around the legacy waste dump site

Treatment of legacy waste **by MCG**

- Steps taken for treatment of legacy waste and completion date of the project **by MCG**

17.2

- Steps taken for treatment of leachate and final disposal of treated leachate **by MCG**

Quantity of by-products recovered during treatment of legacy waste (MT). **by MCG**

a) Soil enriched material **by MCG**

17.3

b) RDF recovered **by MCG**

c) C&D material recovered **by MCG**

d) Inert material produced **by MCG**

**18 Information Education & Communication activities (IEC) for awareness of the public**

18.1 No. of awareness activities for segregation of solid waste and storage of segregated solid waste at source in different bins, home composting, biogas generation, hand over segregated waste to waste pickers, payment of user fee etc. and number Daily awareness is being done by Eco green through audio jingle through Door to door collection

District Environment Plan- Faridabad

of participants participated in these vehicle awareness activities and workshops/trainings. Kindly provide details of such activities conducted during the last three months.

**19 On-site composting of horticulture waste in Parks & Institutions**

19.1	No. of parks within Municipal limits	672
19.1.1	No. of compost pits required in Parks.	94
19.1.2	No. of compost pits provided in the parks	94
19.1.3	Gap, if any	-
19.1.4	Timelines to complete 100% parks with compost pits or any other mode of treatment of wet waste.	
19.2	No. of Institutes in the city	
19.2.1	No. of institutes doing on site composting	
19.2.2	Timelines to complete 100% institutes with compost pits or any other mode of treatment of wet waste	

**20. E-Waste**

20.1	No. of E-Waste generators	This is the on going process.
20.2	Quantity of E-Waste (TPD)	17498.81 MT/Year
20.3	No. of collection Centre required for E-Waste	01
20.4	No. of collection Centre provided for E-Waste	01
20.5	Gap , if any	Na
20.6	If there a Gap, then timelines to achieve the Gap	Na
20.7	Mechanism for segregation for E-Waste	M/s Namo E-waste has been doing this work.
20.8	Mechanism of scientific disposal of E-Waste	It is done by the M/s Namo E-waste
20.8.1	Quantity of E-Waste being disposed scientifically (TPD)	17498.81 MT/Year
20.9	No. of dismantles, refurbishes, recyclers identified.	Recyclers- 04 Dismantlers - 04
20.10	Quantity of E-Waste managed by them	17498.81 MT/Year
20.11	IEC activities conducted	Regular Activity

**21 Biomedical Waste**

21.1	No. of biomedical waste generators	845
21.2	No. of biomedical waste generators authorized under Biomedical Waste Rules-2016, Water (P&CP) Act, 1974 and Air (P&CP) Act, 1981.	845
21.3	Quantity of biomedical waste (TPD)	1504 Kg/Day
21.4	No. of vehicles required for collection of biomedical waste	12 Nos.
21.5	No. of vehicles available for collection of biomedical waste	12 Nos.
21.6	No. of vehicles with GPS	12 Nos.

District Environment Plan- Faridabad

21.7	Status of bar coding system	845/845 95% achieved
21.8	No. of collection Centre required for biomedical waste	01
21.9	No. of collection Centre provided for biomedical waste	01
21.10	Gap , if any	NA
21.11	If there a Gap, then timelines to achieve the Gap	NA
21.12	Mechanism of scientific disposal of biomedical waste	Autoclaving, Shading, Incineration
21.13	Quantity of biomedical waste being disposed scientifically (TPD)	1504 kg/day
21.14	No. of trainings arranged for health care workers.	-
<b>22</b>	<b>Hazardous Waste</b>	
22.1	No. of units generating Hazardous Waste	1146
22.2	No. of Hazardous Waste generators authorized under Hazardous Waste and other wastes (Management and Trans boundary Movement) Rules-2016, Water (P&CP) Act, 1974 and Air (P&CP) Act, 1981.	1146
22.3	Quantity of Hazardous Waste (TPD)	15.57 MTD
22.4	Mechanism for collection of Hazardous Waste	Through Authorized Agencies.
22.5	No. of vehicles required for collection of Hazardous Waste	42
22.6	No. of vehicles available for collection of Hazardous Waste	42
22.7	No. of vehicles with GPS	42
22.8	No. of collection Centre required for Hazardous Waste	01
22.9	No. of collection Centre provided for Hazardous Waste	01
22.10	Gap , if any	NA
22.11	If there a Gap, then timelines to achieve the Gap	Na
22.12	Mechanism of scientific disposal of Hazardous Waste	Na
22.13	Quantity of Hazardous Waste being disposed scientifically (TPD)	5684.29 MT/Annum
<b>23</b>	<b>Domestic Sewage Management</b>	
23.1	Total population	2611599 (including newly added villages)
23.2	No. of household	627349
23.3	Sewage generation (MLD)	282
23.4	% of area covered with sewer line	82%
23.5	Gap , if any	18%
23.6	If there a Gap, then timelines to achieve the Gap	31-03-2024
23.7	No. of household having sewage connection	175217

District Environment Plan- Faridabad

23.8	Gap , if any	-
23.9	If there a Gap, then timelines to achieve the Gap	-
23.10	No. of Existing STPs	1(maintain by FMDA) 4 (45 MLD at Badshahpur transferred to FMDA, 30 MLD at Badshahpur by FMDA, 10 MLD at Sector-21 by FSCL, 7.5 MLD at Sector-77 by FMDA.
23.11	Capacity of existing STPs (MLD)	92 MLD
23.12	Gap , if any	187 MLD The work for construction of 100 MLD STP at Pratapgarh and 80 MLD STP at Mirzapur and this work will be completed upto 31.12.2023.
		In addition to above
		i) Construction of new STP at Badshahpur of 45 MLD Capacity-by FMDA.
		ii) Rs. 25.00 for construction of new STP of 15 MLD capacity in Nursery Bagh, NIT Faridabad by FSCL.
23.13	If there a Gap, then timelines to achieve the Gap	iii) 2 MLD STP at Dushera Ground NIT Faridabad by MCF. This STP is being constructed under NCAP fund amounting to Rs. 2.73 crores.
		iv) 3 No. STPs of 50 KLD capacity will be constructed at (i) Kalpana Chawla City Park Ballabgarh (ii) Sector-22-23 Pandit Deen Dayal Upadhaya Park (iii) Sant Surdas Park Sector-8, Under NCAP fund amounting to Rs. 2.11 crores.
		v) Various STPs at :

		(a) 5 MLD at Pyali chowk (b) 1.5 MLD at golf course (c) 2 MLD at sec. 45 (d) 15 MLD in Sec. 33 (e) 1 MLD near NHPC (f) 1 MLD Town Park (g) 1 MLD Sihi village (h) 2 MLD village jharsetli (i) 1 MLD in sec. 9
		The above STPs mentioned in point No. v will be constructed by FSCL
23.14	Quantity of sewage reaching to the STP (MLD)	25
23.15	Quantity of sewage being treated at STP (MLD)	25
23.16	Quantity of sewage not reaching to the STP (MLD) and reasons	Approx. work is in progress under AMRUT project which will be completed upto 31-03-2024
23.17	Proposal for diversion of sewage to the STP	
	Parameters achieved after treatment of sewage	
	• pH	5.5-9.0
	• BOD	10
23.18	• COD	50
	• TSS	20
	• Total Nitrogen	10
	• Feecal coliform	Less than 100 MPN/100 ml
23.19	Online Monitoring Devices installed at STPs	1 STP of 45 MLD Capacity
23.20	Gap , if any	-
23.21	If there a Gap, then timelines to achieve the Gap	- 2 Tank will be constructed of 10 MLD each (the requirement of funds have already been sent to Govt.) The work for reuse of treated water will be looked after by FMDA.
23.22	Proposal for utilization of treated waste water	
23.23	Quantity of treated waste water being utilized (MLD)	8 MLD
23.24	Please also mention where the treated waste water is being utilized.	Agriculture use
23.25	Gap , if any	-

District Environment Plan- Faridabad

23.26	If there a Gap, then timelines to achieve the Gap	-
<b>24</b>	<b>Industrial Waste Water Management</b>	
24.1	No. of industries	1427
24.2	Industrial Waste Water generation (MLD)	24.76 MLD (7.558 MLD)
24.3	No. of Industries having ETPs	404
24.4	Gap , if any	Na
24.5	If there a Gap, then timelines to achieve the Gap	Na
24.6	No. of ETPs have Online Monitoring Devices	71
24.7	Gap , if any	Na
24.8	If there a Gap, then timelines to achieve the Gap	Na
24.9	No. of ETPs having Online Monitoring Devices connected with server of HSPCB	71
24.10	Gap , if any	Na
24.11	If there a Gap, then timelines to achieve the Gap	Na
24.12	No. of Existing CETPs	02
24.13	Capacity of existing CETPs (MLD)	11.15 MLD
24.14	Gap , if any	Na
24.15	If there a Gap, then timelines to achieve the Gap	Na
24.16	Quantity of Industrial Waste Water reaching to the CETPs (MLD)	11.15 MLD
24.17	Quantity of Industrial Waste Water being treated at CETPs (MLD)	11.15 MLD
24.18	Quantity of Industrial Waste Water not reaching to the CETPs (MLD) and reasons	13.61 MLD  65 MLD WWTP has been dropped.
24.19	Proposal for diversion of Industrial Waste Water to the CETPs	The 50 MLD CETP and 25 MLD CETP will be constructed by HSIIDC. The 15 MLD CETP will be constructed by FMDA.
24.20	Parameters achieved after treatment of sewage <ul style="list-style-type: none"> <li>• pH</li> <li>• BOD</li> <li>• Oil &amp; Grease</li> <li>• Temperature</li> <li>• Suspended Solids <ul style="list-style-type: none"> <li>• Dissolved Solids (inorganic)</li> <li>• Total residue chlorine</li> <li>• Ammonical nitrogen(As N)</li> </ul> </li> <li>• Total Kjeldahl nitrogen(as N)</li> </ul>	

District Environment Plan- Faridabad  
 • Chemical Oxygen Demand

24.21	Online Monitoring Devices installed at CETPs	02
24.22	Gap , if any	Na
24.23	If there a Gap, then timelines to achieve the Gap	Na

**25 Plantation activities**

25.1	Number of trees planted last year	Work allotted to the agency and Approx.500 tress and 1.01 lacs shrubs planted. Estimate is being Prepared under NCAP
25.2	Number of trees to be planted in current year	6950 Timber 33900 timber
25.3	Number of trees planted till now in current year	7187

**26 Air Quality Management**

26.1	No. of Air quality Monitoring System required	05
26.2	No. of Air quality Monitoring System available	05
26.3	Gap , if any	Na
26.4	If there a Gap, then timelines to achieve the Gap	Na
26.5	No. of Air polluting Industries	614
26.6	No. of Industries meeting with the standards fixed by CPCB/HSPCB	614
26.7	Measures taken to control the stubble burning	Team has been constituted. 1 whatsapp No. 9599780888 has been issued to general public for burning complaint purpose.
26.8	Measures taken to control the burning of waste	
26.9	Measures taken for smooth movement of traffic	
26.10	Have institution mechanism established for checking the burning of plastic, solid waste, stubble burning, C&D sites etc.	

**27 Noise Pollution**

27.1	No. of Industries	1427
27.2	No. of industries meeting with the standards fixed by CPCB/HSPCB	1427
27.3	Penal action taken against the industries violating the norms	-
27.4	Penal action/challans issued for use of pressure horns & loudspeakers in silent zone & residential areas.	-

**28 Mining Activities**

28.1	No. of River stretches identified where there are chances for illegal sand mining.	2
28.2	No. of teams deputed to check the illegal mining	2



District Environment Plan- Faridabad

28.3	No. of inspections done	Regularly
28.4	No. of incidents of illegal mining detected	2
28.5	Action taken	21 Vehicle impound in illegal mining of Y. S and on dated 01.01.2023 to 13.06.2023 And 2 FIR Register in PS Kheri Pul,

The monitoring performa will be dynamic and will change with corresponding level of implementation/achievement of the stipulated parameters.

## 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 House holds	Population	Solid Waste Generated per day
1	Municipal corporations, Faridabad	40 Wards	3,59100	17.70 Lakhs (Approx.)	750 MT to 850 MT
2	Municipalities (Nagar Palikas)	-	-	-	-
3	Nagar panchayat s(Town area Councils)	-	-	-	-

	Local Bodies	No of Village panchayats / Blocks	No of House holds	Population	Solid Waste Generated per day
1	Block/Taluk/ Mandal Tehsils	3	56171	310694	53.08 MT
2	Village/Gram Panchayats	100	56171	310694	53.08 MT

Type of Solid Waste generation	in 304 Nos. Gram Panchayats
Wet Waste	45.11 TPD
Dry Waste	7.96 TPD

(i) Action Plan for Town Municipalities/City/Corporations:-

(ii) Action Plan for Villages/Blocks:-

	Rural Local Bodies	No of Village panchayats/ Blocks	No of Households	Population	Solid Waste Generated per day
1	Block/Taluk /Mandal Tehsils	3	56171	310694	53.08 TPD (945 gramper hold per day)
2	Village/Gram Panchayats	(100 Gram Panchayats)			

**Status and action plan for Door to Door Collection  
(MCF Area):-**

Sr. No.	Name of Block	Total no. of GPs in the block	Total Population of the Block	Total no. of Households in the Block	Status of door to door collection		
					No. of villages where 100% achieved	No. of villages where 100% Not achieved	Target date of completion where 100% not achieved
1.	Ballabgarh	41	146244	26580	22	19	31.12.2023
2.	Faridabad	28	81961	14562	22	6	31.12.2023
3.	Tigaon	31	82489	15029	23	8	31.12.2023
	<b>Total</b>	<b>100</b>	<b>310694</b>	<b>56171</b>	<b>67</b>	<b>33</b>	

**a. Status and action plan for Segregation (MCF Area):-**

Sr. No.	Name of Block	Total no. of villages in the block	Total Population of the Block	Total no. of Households in the Block	Status of Segregation		
					No. of villages where 100% achieved	No. of villages where 100% Not achieved	Target date of completion where 100% not achieved
1.	Ballabgarh	41	146244	26580	22	19	31.12.2023
2.	Faridabad	28	81961	14562	22	6	31.12.2023
3.	Tigaon	31	82489	15029	23	8	31.12.2023
	<b>Total</b>	<b>100</b>	<b>310694</b>	<b>56171</b>	<b>67</b>	<b>33</b>	

**b. Status and action plan for Treatment for wet waste:-**

Sr. No.	Name of Block	Total no. Of villages in the block	Total Population of the Block	Total no. of Households in the Block	Status of Treatment for wet waste			
					No. of villages where 100% achieved	No. of villages where 100% Not achieved	Target date of completion where 100% not achieved	Action plan for wet waste management
1.	Ballabgarh	41	146244	26580	22	19	30.09.2023	Composting ,Vermicomposting and Biogas
2.	Faridabad	28	81961	14562	22	6	30.09.2023	--do--
3.	Tigaon	31	82489	15029	23	8	30.09.2023	--do--
	<b>Total</b>	<b>100</b>	<b>310694</b>	<b>56171</b>	<b>67</b>	<b>33</b>		

## c. Status and action plan for Treatment for dry waste:-

Sr. No.	Name of Block	Total no. of villages in the block	Total Population of the Block	Total no. of Households in the Block	Status of Treatment for dry waste			
					No. of villages where 100% achieved	No. of villages where 100% not achieved	Target date of completion where 100% not achieved	Action plan for dry waste management
1.	Ballabgarh	41	146244	26580	22	19	30.09.2023	MRF facility and further Channelization of sale able material to authorized vendor
2.	Faridabad	28	81961	14562	22	6	30.09.2023	--do--
3.	Tigaon	31	82489	15029	23	8	30.09.2023	--do--
	<b>Total</b>	<b>100</b>	<b>310694</b>	<b>56171</b>	<b>67</b>	<b>33</b>		

## b. Identification of gaps and Action plan:

S. No.	Action points For villages / blocks/town municipalities / City corporations	Identification of gap	Action Plan	Responsible agencies	Time line for completion of action plan
1.	<b>Segregation</b>				
(i)	Segregation of waste at source	<ul style="list-style-type: none"> <li>52% from MCF</li> <li><b>DDPO:</b> Segregation at source practiced by very few households and other waste generators</li> </ul>	<p><b>Municipal Corporation, Faridabad</b></p> <ul style="list-style-type: none"> <li>Ward Wise committee comprised of NGOs has been formed and doing various IEC activity</li> <li>Various IEC Activities for source segregation has been done to create awareness among citizens.</li> <li>Creating a detailed plan for awareness activities related to source segregation.</li> <li>Ensuring partitions are available in all door-to-door collection vehicles. <ul style="list-style-type: none"> <li>01 no. NGO i.e., Human Kind Foundation is also working on making compost from wet waste at the plant installed at Sec-21, Faridabad.</li> </ul> </li> <li>Gram Sabha are being</li> </ul>	MOH, MCF-M/s. Eco Green Energy Gurgaon Faridabad Pvt. Ltd. DDPO	<b>MCF:</b> 31-10-2023 as discussed with M/s Ecogreen Energy Gurugram, Faridabad Pvt. Ltd. <b>DDPO:</b> 31-07-2023

District Environment Plan- Faridabad

			<p>held and awareness is being generated through Nukkad nataks, mahilasabhas, wall paintings, newspaper advertisements</p> <ul style="list-style-type: none"> <li>• DDPO</li> </ul> <p>1- Awareness through Gram Sabha 2- SwachhtaJagruktaRath 3- Wall Paintings 4- JagruktaRalies 5- Door to Door Awareness through Sakshams 6- Strengthen of Village Water &amp; Sanitation Committees</p>		
(ii)	Mechanical Road Sweeping & Collection	<b>Being done by village sweepers</b>	Action plan for Reducing gap	<b>MCF Gram Panchayats</b>	MCF: Activity Completed
<b>2.</b>	<b>Sweeping</b>				
(i)	Manual Sweeping	<p><b>MCF:</b> Total No. of Sweeper required- 3575 Nos.</p> <ul style="list-style-type: none"> <li>- Available Sweeper = 3113 Nos.</li> <li>- Gaps in manpower 462 Nos</li> </ul> <p>DDPO: 1- Lack of Sweepers as per Population 1- Lack of management at GP Level</p>	<p>Action plan for Reducing gap including method cleaning, frequency of sweeping etc.</p> <p>Gap is being filled by recruitment of safai karamcharis on regular basis. A committee to oversee the process has been constituted under the chairmanship of DC Faridabad.</p> <p>1-Gram Panchayat area will be divided in clusters 2- Roster Techniques will be implemented</p>	MCF DDPO	MCF - 31.12.2023 DDPO – 31.07.2023
(ii)	Mechanical Road Sweeping & Collection	Total Length 360 K.M Covered Length 180 K.M (Per day) Gap 180 K.M (Per Day)	At present 6 mechanical road sweeping machine are working	MCF	MCF- Activity Completed

District Environment Plan- Faridabad

3	Waste Collection				
(i)	100% collection of solid waste	<p>94% door to door collection                      Total Households: <b>359100 no.</b>                      Households Covered with door-to-door collection: - <b>=337554 no. (94% of 359100)</b>                      Gap in door-to-door collection: - <b>21546 households.</b>                      Gap in Percentage = <b>6%</b>                      DDPO: 70% accomplished</p>	<p>Action plan to improve existing Collection</p> <p><b>MCF:</b></p> <ol style="list-style-type: none"> <li>200 vehicles will be procured at the level of M/s. Eco Green</li> <li>New 25 no. E-Rickshaw have been procured under CSR Scheme through IOCL deputed in various wards as per requirement.</li> <li>Senior District Officers and NGO have been appointed for each ward for effective source segregation &amp; door to door collection services.</li> <li>Regular meetings with nodal officers, vendors, ward councilors have been conducted from time to time for effective management of services.</li> <li>A ward committee of each ward with at least 10 members has been formed for effective management of Door-to-Door collection &amp; Source segregation.</li> <li>Signals/mic system while collecting the segregated waste from the house may also be ensured for effective door to door collection of segregated solid waste from all the wards of Municipal Corporation.</li> </ol> <ul style="list-style-type: none"> <li>To Ensure 100% door to door collection of solid waste M/s Eco green Energy Co. has been directed by MOH Office in compliance of orders of Ld. CMC, MCF to deploy more vehicles with GPS system to achieve a progressive move in the direction of achieving 100% door to door</li> </ul>	<ul style="list-style-type: none"> <li>MOH, MCF through M/s. Eco Green Energy Gurgaon Faridabad Pvt Ltd.</li> <li>DDPO</li> </ul>	<p><b>MCF:</b></p> <ul style="list-style-type: none"> <li>31.10.2023</li> </ul> <p><b>DDPO:</b></p> <ul style="list-style-type: none"> <li>31.07.2023</li> </ul>

District Environment Plan- Faridabad

			<p>collection of solid waste in Faridabad City of the areas falling under MCF.</p> <p>Activities w.r.t. giving signals/MIC system while collecting said segregated waste from the houses will be ensured for effective door to door collection of segregated solid waste.</p> <p><b>DDPO:</b> Solid waste management shed are being constructed in remaining GPs</p>		
(ii)	Arrangement for door-to-door collection	<p>Detail of existing vehicles &amp; required vehicles: -</p> <p><b><u>Total no. of required vehicles: -</u></b></p> <p>1. 836 no. Both motorized &amp; non-motorized primary collection vehicles.</p> <p>2. 103 no. of motorized secondary collection vehicles.</p> <p>Total required: -<b>927 vehicles</b></p> <p><b><u>Existing vehicle: -</u></b></p> <p>1. For door-to-door Primary collection: -</p> <p>a. Motorized: - <b>285 Vehicles</b></p> <p>b. Non-Motorized - <b>423 vehicles</b></p> <p>c. Motorized E-Rickshaws: - <b>25 No.</b></p> <p>2. Secondary Collection vehicles: - <b>103 no.</b></p> <p><b>Total Existing vehicles (Both primary &amp; secondary collection vehicles) = 836 No.</b></p> <p><b>Add. Required vehicles (Required vehicles - existing vehicles):-</b></p>	<p>100 no. of new door to door collection vehicles are being procured by M/s. Eco Green Energy Gurgaon Pvt. Ltd.</p> <ul style="list-style-type: none"> <li>As discussed with M/s Ecogreen Energy Gurugram, Faridabad Pvt. Ltd.</li> </ul> <p>To ensure the availability of sufficient vehicles for achieving the task of Door-to-Door Collection of Solid Waste from the households M/s Eco-green (Manager) shall strictly direct its authorised Ward vendors to collect 100% Solid waste from households on daily basis.</p> <p>DDPO: Regular awareness activities are being carried out like Gram Sabha, Ward Meetings, Village water &amp; Sanitation Committee meeting</p>	<p>M/s. Eco Green Energy Gurgaon Faridabad Pvt. Ltd. DDPO</p>	<p><b>MCF-</b> 31.10.2023 as discussed with M/s Ecogreen Energy Gurugram, Faridabad Pvt. Ltd.</p> <ul style="list-style-type: none"> <li><b>DDPO:</b> 31.07.2023.</li> </ul>

District Environment Plan- Faridabad

		<p>Required vehicles- 927 No. Existing Vehicles:- 836 No. Addl. Required: - 91No. DDPO: 70 Grampanchayts covered out of 100</p>			
(iii)	Waste Collection trolleys with separate compartments	<p>Detail of compartmentalized door to door primary collection vehicles: -</p> <ol style="list-style-type: none"> <li>1.245 Nos. door to door primary vehicles out of 285 no. vehicles are having compartmentalized facility and rest 40 no. of primary collection vehicles are having drum facility for wet waste collection.</li> <li>2.All 25 no. of E-rickshaws are having compartmentalized facility for segregation of waste.</li> <li>3.All 423 no. non-motorized vehicles (Manual Rickshaws) are having the facility of segregation.</li> <li>4.Cycle rickshaws with separate compartments are available in all Gram Panchayats</li> </ol>	<ul style="list-style-type: none"> <li>• All modernized and non-modernized vehicles have been provided separate compartments.</li> <li>• In compliance of Orders of Ld. CMC ,MCF to make available a special vehicle with separate compartments M/S Eco green Energy has been informed by MOH Office so that 100% Waste Collection task could be realised in a productive and a progressive manner.</li> </ul>	<ul style="list-style-type: none"> <li>• M/s. Eco Green Energy Gurgaon Faridabad Pvt. Ltd.</li> <li>• DDPO</li> </ul>	<ul style="list-style-type: none"> <li>• <b>MCF:</b> Activity completed.</li> <li>• <b>DDPO:</b> Completed</li> </ul>
(iv)	Mini Collection Trucks with separate compartments	<p>Detail of compartmentalized door to door primary collection vehicles: -</p> <ol style="list-style-type: none"> <li>1. 245 Nos. door to door primary vehicles out of 285 no. vehicles are having compartmentalized facility and rest 40 no. of primary collection vehicles are having drum facility for wet</li> </ol>	<p>Directions have been issued to M/s. Eco green for providing compartment facility in rest 40 no. of door to door motorized primary collection vehicles by the end of Dec, 2021.</p> <ul style="list-style-type: none"> <li>• Door-to-Door waste Collected is sent to the Transfer Stations by M/s Eco green Energy co. through its authorised ward vendors.</li> </ul> <p>In compliance of</p>	<ul style="list-style-type: none"> <li>• M/s. Eco Green Energy Gurgaon Faridabad Pvt. Ltd.</li> <li>• Gram Panchayat</li> </ul>	<ul style="list-style-type: none"> <li>• <b>MCF:</b> Activity Completed.</li> <li>• <b>DDPO:</b> Completed.</li> </ul>

District Environment Plan- Faridabad

		<p>waste collection.</p> <p>2. All 25 no. of E-rickshaws are having compartmentalized facility for segregation of waste.</p> <p>3. Cycle rickshaws with separate compartments are available in all Gram Panchayats</p>	<p>Orders of Ld. CMC ,MCF to make available a special vehicle with separate compartments M/S Eco green Energy has been informed by MOH Office so that 100% Waste Collection task could be realised in a productive and a progressive manner.</p>		
(v)	Waste Deposition Centres (for domestic hazardous wastes)	<p>Number of depositions centers required and no's available Or any alternate arrangement. DDPO: 30 Number of deposition centers required and 70 nos available</p>	<p>Details of existing practice and scope for improvement or implement adequate system Domestic hazardous waste is being collected separately during door to door collection of Hazardous Waste. Further, the collected domestic HW is managed in a segregated manner at six no. of collection centers operated and maintained by M/s Eco green. 17 no. of trommels machines have been installed for bio-remediation of waste present at Bandhwari landfill site and are working continuously for the same. Also, method of home composting is also adopted by MC for making compost from wet waste at household level itself. Further, Bulk waste generators have been identified for making compost of their own wet waste at their own premises itself. 01 no. additional compartment with each waste collecting vehicle for collection of domestic hazardous waste and 01 additional compartment and material recover facility for storage of domestic hazardous waste</p>	<p><b>MCF DDPO:</b></p> <ul style="list-style-type: none"> <li>• District Development &amp; Panchayat officer</li> <li>• Block Development &amp; Panchayat officer</li> </ul>	<p><b>MCF: Regular Activity</b> DDPO: 31.07.2023</p>



District Environment Plan- Faridabad

			of said MC will be provided by MC Faridabad will make arrangement with hazardous waste disposal facility/ common bio-medical waste treatment facility for collection and scientific disposal of hazardous waste/ bio-medical waste collected at MRFs site on regular basis. DDPO: deposition centers are in progress		
<b>4.</b>	<b>Waste Transport</b>				
(i)	Review existing infrastructure for waste Transport.	<p>Detail of existing vehicles &amp; required vehicles: -</p> <p><b><u>Total no. of required vehicles: -</u></b></p> <p>836 no. Both motorized &amp; non-motorized primary collection vehicles. 103 no. of motorized secondary collection vehicles. Total required: -<b>927 vehicles</b></p> <p><b><u>Existing vehicle: -</u></b></p> <p>For door-to-door Primary collection: - Motorized: - <b>285 Vehicles</b> Non-Motorized - <b>423 vehicles</b> Motorized E-Rickshaws: - <b>25 No.</b> Secondary Collection vehicles: - <b>103 no.</b> <b>Total Existing vehicles (Both primary &amp; secondary collection vehicles) = 836 No.</b> <b>Add. Required vehicles (Required vehicles – existing vehicles):-</b> Required vehicles- 927 No. Existing Vehicles:- 836 No.</p>	100 no. of new door to door collection vehicles are being procured by M/s. Eco Green Energy Gurgaon Pvt. Ltd.	M/s. Eco Green Energy Gurgaon Faridabad Pvt. Ltd. DDPO:	Activity Completed.

District Environment Plan- Faridabad

		Addl. Primary collection vehicles Required: - 91 No. DDPO: (i) Existing fleet is adequate (ii) segregated waste transport is being done in rickshaws with compartments			
(ii)	Bulk Waste Trucks	<ul style="list-style-type: none"> <li>• Required vehicles of secondary transportation / bulk waste transportation: - 103 no.</li> <li>• Existing vehicles of secondary transportation / bulk waste transportation: - 103 no.</li> <li>• Gap = 0 (No addl. Vehicles required)</li> </ul>	No addl. Required for secondary transportation vehicles / bulk waste trucks	MCF	Activity Completed
(iii)	Waste Transfer points	MCF is having 06 no. transfer station along with MRF facility in it.	6 No. Transfer Stations with MRF Facility are available MC Faridabad will provide boundary wall and green belt around all the waste transfer points for aesthetic view to the public/ passerby and said time line maybe mentioned in the revised District Environment Plan.	CE (Hort.), MCF M/s. Eco Green Energy Gurgoan Faridabad Pvt. Ltd.	Activity Completed
<b>5</b>	<b>Waste Treatment and Disposal</b>				
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules)	Total 209 no. of Bulk Waste Generators have been identified by MCF and out of which 50 BWGs have installed machinery at their own premises for making compost and around 68 no BWGs are sending their wet waste to IOCL & NGO namely Human Kind Foundation. 91 BWGs are newly identified and will provide composting	Further, the work of identification of more Bulk Waste Generator are in progress in Municipal Corporation, Faridabad Area.  Action for getting onsite composting plants commissioned <b>MCF:</b> Approx. 50 BWGs have installed machinery at their own premises for making compost and around 68 no. BWGs are	Municipal Corporation, Faridabad. • District Development & Panchayat officer • Block Development & Panchayat officer • Gram Panchayats	<b>MCF:</b> On going activity <b>DDPO:</b> 31.07.2023

District Environment Plan- Faridabad

		<p>pit in their premises and all the 209 BWGs make agreement with MC Faridabad for collection and management of dry waste with suitable user charging rates.</p>	<p>sending their wet waste to IOCL &amp; NGO namely Human Kind Foundation. 91 BWGs are newly identified and will provide composting pit in their premises and all the 209 BWGs make agreement with MC Faridabad for collection and management of dry waste with suitable user charging rates. <b>DDPO:</b> 33 in progress</p>		
(ii)	<p>Wet-waste Management: Facility(ies) for central Bio-methanation / Composting of wet waste.</p>	<ol style="list-style-type: none"> <li>5 TPD Bio-methanation plant have been installed with the help of IOCL for disposal of wet / kitchen waste.</li> <li>50 BWGs have installed machinery at their own premises for making compost by wet waste.</li> <li>Home composting method have been adopted by 300 no. of Households for treatment of wet waste.</li> <li>68 no. BWGs are sending their wet waste to IOCL &amp; NGO namely Human Kind Foundation.</li> <li>Wet waste is treated by composting at garbage sheds</li> <li>No need Bio-methanation in rural area/ Composting of wets waste in process.</li> <li>MC will provide adequate number of compost pits. Bio methanation plant may be setup by 31.03.2024.</li> </ol>	<p>MCF is also focusing to increase zone wise decentralized processing facility in addition to existing 06 no. MRF facility.</p> <p>At present, 180 MT of wet waste is being processed at Bandhwari Plant &amp; Approx. 24.0 MT fresh Wet waste processed through decentralized facilities which includes IOCL, BWG's, Household home composting, Human Kind Foundation</p> <p><b>MCF:</b> 5 TPD of wet waste is being transported to IOCL-Bio-methanation plant.</p> <p><b>DDPO:</b> 21 gram panchayats not have composting facility shed. 15 GPs not have land and 6 Shed work are in progress.</p>	<p>Indian Oil Corporation Limited.</p> <p>Municipal Corporation, Faridabad DDPO</p>	<p><b>MCF:</b> Ongoing Process. <b>DDPO:</b> 31.07.2023</p>

District Environment Plan- Faridabad

		MC Faridabad will maintain proper record monitoring the quantity of wet waste, quantity of manure produced, quantity of manure soil / distributed among society or utilized in the park.			
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	<p>Municipal Corporation, Faridabad is having the facility of 06 No. of MRF maintained by M/s. EoGreen 4 at bypass and 1 at Mujedi another 1 at Dabua. All the MRF situated at bypass road are in depilated condition due to construction work of Mumbai Express.</p> <p>Also, two agencies namely M/s. Ramky recycling &amp; reclamation &amp; Indian Pollution Control Authority have been empaneled by MCF for collection / transportation of dry / plastic waste and till date around 1037 MT by M/s. IPCA &amp; 1089 MT by M/s. Ramky Reclamation have been transported to Delhi for its recycling. DDPO: MRF facility exists. There is arrangement to sending the dry-waste to Common MRF or Plant. No Need to set-up own Waste to Energy plant. 30 Gram Panchayats not have MRF shed</p>	<p>MCF is also focusing to increase zone wise decentralized processing facility in addition to existing 06 no. MRF facility.</p> <p>Also, during processing of dry waste at transfer stations, approx. 111.40 TPD recyclable material is sorted out for further treatment in view of reduce of the waste for making effective management of Solid waste system and MOU with Manav Rachna Institute for eco plastic bricks has been signed.</p> <p>After completion of the road work, the MRF facility will be maintained as per directions. However, at present 2 transfer station are maintained at Mujedi and Dabua.</p> <p>02 nos. of decentralized waste processing unit at village mujheri and pratapgarh have been established. Processing at the plant shall be initiated by 31.07.2023 DDPO: facility shed construction in progress</p>	<ol style="list-style-type: none"> <li>1. M/s. Eco Green Energy Gurgaon Faridabad Pvt Ltd.</li> <li>2. M/s. Ramky Reclamation &amp; Recycling limited for disposal of post-consumer plastic waste.</li> <li>3. India Pollution Control Authority.</li> </ol>	<p><b>MCF:</b> 31.07.2023</p> <p><b>DDPO:</b> 31.07.2023</p>

District Environment Plan- Faridabad

(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	MCF: Waste is being dumped and processed at Bandhwari landfill site which comes under the jurisdiction of MCG. DDPO: Rural Population is under 5 lakhs no need of Sanitary Landfill site. Gram panchayats have been identified land for disposal of waste	Action plan (i) to construct sanitary landfill frequired (ii) A Landfill site is already at Faridabad-Gurguram Road, Village Bandhwari Action plan to minimize land filling: The process of identification of new land for processing of fresh Municipal waste is in process and will be completed shortly as the matter is listed in District court. DDPO: Awareness through Gram Sabhas	M/s. Eco Green Energy  Municipal Corporation, Gurugram	MCF-Activity Completed, in addition 02 nos. of decentralized waste processing unit at village mujheri and pratapgarh have been established.
(v)	Remediation of historic / legacy dump site	Being designated ULB, MCG is responsible for treatment of legacy waste present at Bandhwari Landfill site and also Bio-remediation of legacy waste present at Bandhwari Landfill site is being carried out with the help of 17 no. of trommels installed at dumpsite and approx. 1020158 MT of legacy waste has been remediated and approx. 411114 MT of waste is recovered/ bio-mined.	Municipal Corporation Gurugram Till Sep, 2021, approx. 1020158 MT of legacy waste has been remediated and approx. 411114 MT of waste is recovered/ bio-mined.  DDPO:- Till Sep, 2021, approx. 1020158 MT of legacy waste has been remediated and approx. 411114 MT of waste is recovered/ bio-mined.	Municipal Corporation Gurugram	Not applicable to MCF.
(vi)	Involvement of NGOs	47 no. of NGO have involved by MCF for creating awareness activities among general public. DDPO: Swachha grahi & Saksham Yuva engaged for the awareness purpose	NGOs are being involved for management of solid waste Campaign Swachhagrahi & Saksham Yuva engaged for the awareness purpose Mc Faridabad will be identify NGO's/ RWAs existing in their area and NGO's / RWA will be involved in various activities of solid waste management.	MCF DDPO	<b>MCF:</b> Activity completed

District Environment Plan- Faridabad

(vii)	EPR of Producers: Linkage with Producers /Brand Owners	Two agencies namely M/s. Ramky Reclamation and Recycling Ltd. & Indian Pollution Control Association have been engaged for collection and transportation of plastic waste from Faridabad area.	Action plan for linkage of all producers/brand owners or their PROs for collection of plastic waste <ul style="list-style-type: none"> <li>• 1037.95 MT of plastic waste has been channelized by Indian Pollution Control Association.</li> <li>• 1089.9 MT of plastic waste has been channelized M/s Ramky Reclamation and Recycling limited.</li> </ul>	M/s. Ramky Reclamation and Recycling Ltd. & Indian Pollution Control Association	MCF: On going activity
(viii)	Authorisation of Waste Pickers	Yes, 181 no of waste pickers have been regularized.	List of 181 no. of waste pickers is attached herewith. 77 no. of Waste pickers have been identified	Municipal Corporation Faridabad	Ongoing Process.
(ix)	Preparation of own by-laws to comply with SWM Rules 2016	Yes, Bye laws have been notified.	Prepared and notified. may be applicable incantonment Board jurisdiction	Municipal Corporation, Faridabad DDPO	Bye laws for Municipal Corporation Faridabad has been prepared and notified. 31-12-2021

**(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 Mahanagar Palika)	80 TPD to 90 TPD approx.
2	Municipalities (Nagar Palikas)	-
3	Nagar panchayats (Town area Councils)	-

	Local Bodies		Plastic Waste Generated per day
2	Block/Taluk/ Mandal/ Tehsils	03	0.177TPD(0.57gramper Person per day
3	Village/Gram Panchayats	100	

**(b) Identification of gaps and Action plan:**

S. No.	Action points For village panchayats/ blocks/municipalities /corporations	Identification of gap	Action plan	Agencies Responsible	Target time for Compliance
1.	Door to Door collection of dry waste including PW	<p>Detail of existing vehicles &amp; required vehicles: - <b><u>Total no. of required vehicles:</u></b> 1. 824 no. Both motorized &amp; non-motorized primary collection vehicles. 2. 103 no. of motorized secondary collection vehicles. Total required: - <b>927 vehicles</b> <b><u>Existing vehicle: -</u></b></p> <p>5. For door-to-door Primary collection: - Motorized: - <b>285 Vehicles</b> f. Non-Motorized - <b>423 vehicles</b> g. Motorized E-Rickshaws: - <b>25 No.</b> 6. Secondary Collection vehicles: - <b>103 no. Total Existing vehicles (Both primary &amp; secondary collection vehicles) = 836 No.</b> <b>Add. Required vehicles (Required vehicles – existing vehicles):-</b> Required vehicles- 927 No. Existing Vehicles:- 836 No. Addl. Required: - 91 No.</p>	100 no. of new door to door collection vehicles are being procured by M/s. Eco Green Energy Gurgaon Pvt. Ltd. DDPO: Regular effort are being done to conduct the Gram Sabhas	<ul style="list-style-type: none"> <li>• M/s. Eco Green Energy Gurgaon Faridabad Pvt. Ltd.</li> <li>• M/s. Ramky Reclamation and Recycling Limited.</li> <li>• Indian Pollution Control Association</li> <li>• DDPO</li> </ul>	• 31-07-2023

District Environment Plan- Faridabad

		DDPO: Yes 30 GPs not have PWM Shed			
2.	Facilitate organized collection of PW at Waste transfer point or Material Recovery Facility	<ul style="list-style-type: none"> <li>Municipal Corporation, Faridabad is having the facility of 06 no. of transfer stations along with MRF Facility in it and approx. 3034 MT of dry waste / recyclable waste is being segregated and transported for its recycling.</li> <li>Also, two agencies namely M/s. Ramky recycling &amp; reclamation &amp; Indian Pollution Control Authority have been empaneled by MCF for collection / transportation of dry / plastic waste and till date around 1037 MT by M/s. IPCA &amp; 1089 MT by M/s. Ramky Reclamation have been transported to Delhi for its recycling.</li> <li>Involvement of informal sector /NGO.</li> <li>77 no of waste pickers have been regularized.</li> <li>Availability of transfer points and material recovery facility YES</li> </ul>	<ul style="list-style-type: none"> <li>6 Nos MRF has been established and maintain by M/s Eco green.</li> <li>Around 111.40 TPD of dry/ plastic waste is sent to recycler.</li> <li>77 Rag picker has been identified by MCF in MC area.</li> <li>Also, two agencies namely M/s. Ramky recycling &amp; reclamation &amp; Indian Pollution Control Authority have been empaneled by MCF for collection / transportation of dry / plastic waste and till date around 1037 MT by M/s. IPCA &amp; 1089 MT by M/s. Ramky Reclamation have been transported to Delhi for its recycling.</li> <li>Door to door collection is being done by GP whereupon Plastic waste is segregated and disposed through district level</li> </ul>	<ol style="list-style-type: none"> <li>M/s. Eco Green Energy.</li> <li>M/s. Ramky Recycling Reclamation &amp; Recycling Ltd.</li> <li>Indian Pollution Control Authority.</li> <li>Municipal Corporation Faridabad.</li> <li>DDPO</li> </ol>	MCF: Activity Completed DDPO: 31.07.2023



District Environment Plan- Faridabad

		<ul style="list-style-type: none"> <li>• Involvement of informal sector /NGO. No</li> <li>• Registering waste pickers No</li> <li>• Linkage with PW recyclers Yes</li> <li>• Involvement of producers and brand-owners Yes</li> <li>• Yes 30 GPs not have PWM Shed</li> </ul>	<p>agency affiliated to PWD B&amp;R for use in road construction.</p> <ul style="list-style-type: none"> <li>• Regular effort are being done to conduct the Gram Sabhas</li> </ul>		
3.	PW collection Centers	<p>Local Bodies may set-up own centers and also involve producers and brand-owners or their PROs to facilitate setting up of collection centres.</p> <p><b>MCF:</b> Three Collection center.</p> <p><b>DDPO:</b> At present 30 GPS out of 100 not have Door to Door waste collection facility</p>	<p>Plastic waste collection centre should be established inadequate numbers. Coordination with State Urban Department may be necessary: 06 no. of MRFs / Transfer stations are currently operational in Municipal Corporation Faridabad Area.</p> <ul style="list-style-type: none"> <li>• Two agencies named M/s Ramky Reclamation and Recycling limited And Indian Pollution Control Association has been empaneled by MCF for Channelizing the collected waste plastics.</li> <li>• 77 Rag picker has been identified by MCF in MC area.</li> <li>• Plastic waste collection</li> </ul>	<ul style="list-style-type: none"> <li>• M/s. Eco Green Energy Gurgaon Faridabad Pvt. Ltd.</li> <li>• M/s. Ramky Reclamation and Recycling Limited.</li> <li>• Indian Pollution Control Association DDPO</li> </ul>	<p>MCF:- Activity Completed DDPO: 31.07.2023</p>

District Environment Plan- Faridabad

			centre have been established in 70 GPS plastic waste is collected and handed over to Authorized vendor i.e.M/s Singla Plastic Industries, D-313,Focal Point, Patiala (Punjab) impaneled by Development & Panchayats Department Haryana		
4.	Awareness and education program simple mentation	47 no. of NGOs have been engaged by Municipal Corporation, Faridabad for creating awareness in general public. DDPO: At present 30 GPS out of 100 not have Door to Door waste collection facility	MCF is also focusing to engage more NGOs / local persons of respective wards for creating awareness in MCF area. DDPO: 1- Awareness through Gram Sabha 2- Swachhta Jagrukta Rath 3- Wall Paintings 4- Jagrukta Ralies 6- Door to Door Awareness through Sakshams 6- Strengthen of Village Water & Sanitation Committees	MCF DDPO	MCF: Regular Activity DDPO_ 31.07.2023
5.	Access to Plastic Waste Disposal Facilities	MCF- MCF has engaged 2 no agencies other than M/s. ECO green for specific plastic waste management i.e.  M/s. Ramky Reclamation and Recycling	Yes available Recycling agency collects plastic waste from segregation sits when 2 ton waste is available. DDPO: 1- Awareness through Gram Sabha 2- Swachhta JagruktaRath	<ul style="list-style-type: none"> <li>M/s. Eco Green Energy Gurgaon Faridabad Pvt. Ltd.</li> <li>M/s. Ramky Reclamation and Recycling Limited.</li> <li>Indian Pollution</li> </ul>	MCF: Activity Completed DDPO 31.07.2023

District Environment Plan- Faridabad

		Limited.  Indian Pollution Control Association DDPO: At present 30 GPS out of 100 not have Door to Door waste collection facility	3- Wall Paintings 4- Jagrukta Ralies 6- Door to Door Awareness through Sakshams 6- Strengthen of Village Water & Sanitation Committes	Control Association DDPO	
--	--	--	--	-----------------------------	--

(iii) C&D Waste Management

a. Current status related to C&D Waste

Details of Data Requirement	Present Status
Total C & D waste generation in MT per day (As per data from Municipal Corporations/Municipalities)	M/s Raw 2 Road is awarded a contract with maximum capacity of processing design 300 TPD for proper collection, transportation, processing and disposal of C&D Waste at Riwazpur. Generation of C&D waste 100 TPD
Does the District has access to C&D waste recycling facility?	Yes, design capacity of processing plant is 300 TPD

b. Identification of gaps and Action plan:

S. No.	Action points for blocks / town municipalities/ City corporations	Identification of Gaps	Action Plan	Responsible agency	Timeline for completion of action plan
1.	Arrangement for separate collection of C&D waste to C&D waste deposition point.	Check gaps w.r.t: - Separate collection point of C&D Waste - Identification of common C&D waste deposition points - Till date no recycling facility is operational for C&D waste in MCF area.	Action plan for every local body in district. District may identify common C&D waste deposition points. <b>MCF:</b> In this regard it is submitted that the work for collection, transportation, processing has been allotted to M/s Raw2 Road and the work will start shortly.	MCF	01-08-2023

District Environment Plan- Faridabad

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 ?	At present no recycling facility is operational for C&D waste in MCF area.	The 300 TPD capacity recycling facility for C&D waste will be operational from 01-08-2023 at Village-Riwazpur, Faridabad. Currently, user charges have not been finalized yet and same is under process for finalization.	MCF	01-10-2023
3.	C&D recycling Facility	Check whether district has any C&D waste recycling facility	The work for collection, transportation and processing has been allotted. The plan has been setup at Village Riwazpur. 300 TPD C&D Waste processing plant is proposed to be established at vill-Riwazpur.	MCF	01-08-2023
4.	Usage of recycled C&D waste in non-structural concrete , paving blocks, lower layer so f road pavements, colony and rural roads	The 80% of the total recycled product produced (C&D waste) for used in Municipal & Govt. Contracts.	The recycled C&D waste will be used for tiles, and other useful goods. Also, MCF will make provision to use C&D waste in road and other pavements in Municipal & Govt. Contracts.	MCF	01-08-2023
5.	IE Con C&D waste management	Press notes have been issued in local newspapers for awareness	Will be done by the agency.	MCF	01-10-2023

**(iv) Biomedical Waste Management**

**a. Current Status related to biomedical waste**

Inventory of BMW in the District	Quantity
Total no. of Bedded Healthcare Facilities	285
Total no. of non-bedded HCF	560
No. of HCFs authorized by SPCBs/PCCs	845

District Environment Plan- Faridabad

No of Common Biomedical Waste Treatment and Disposal Facilities(CBWTFs)	1 no. i.e. M/s Golden Eagle Waste Management Company
Capacity of CBWTFs	3600 Kg/day
No. of Deep burials for BMW if any	Nil
Quantity of biomedical waste generated per day	1504 Kg/Day
Quantity of biomedical waste treated per day	1504 Kg/Day

**b. Identification of gaps and Action plan:**

S. No.	Action points	Gaps	Action Plan	Responsible agency	Time line for completion of action plan
1.	Inventory and Identification of Healthcare Facilities	<ul style="list-style-type: none"> <li>Inventorization &amp; Identification of HCF has already been done in District Faridabad with having total 845 nos. HCF's with 845 are authorized and operational including bedded and non-bedded facilities.</li> </ul>	To cover all HCFs and authorize them.	HSPCB	Activity Completed
2.	Adequacy of facilities to treat biomedical waste	<p>CBWTF namely M/s Golden Eagle Waste Management Company, village Jasana, Faridabad.</p> <p>Incinerator Capacity – 100 kg/hr Autoclave – 100 kg/hr ETP – 10 Nos. Waste generated - 1504 Kg/Day Treatment Capacity – 1800 kg/day No Gap</p>	Capacity is adequate. Quarterly inspection of CBWTF is being conducted and adequacy of samples of Air and Water are being collected to ensure the parameters are within prescribed limits.	HSPCB	Regular Activity
3.	Tracking of BMW	<p>Total HCFs - 845 Bar coding implemented by CBWTF to 804 no. of HCF. Gap – 40 nos.</p>	Notices have been issued to HCFs obtain bar-coding for tracking of BMW	HSPCB	30.09.2023

District Environment Plan- Faridabad

4.	Awareness and education of healthcare staff	Training of 10 batches (20 participants each) for Critical Care (ICU and Covid-19) has been conducted so far. 5 awareness programs have also been celebrated and 5101 persons were counseled and screened for various ailments i.e. Cancer, Hypertension, Asthma, Heart Diseases etc.	Training and awareness program are being conducted regularly	CMO	Regular activity
5.	Adequacy of funds	Adequate funds have been allocated for Bio Medical Waste Management by State Govt.	<p>All HCFs have been registered and authorized on PCC</p> <p>Regular batches of training are conducted at District and institutional level. In which 687 participants is trained no. of participant: - 687. SMO-8 MO-64 AMO-39 Dental-20 LT-40 Pharmacist-58 Paramedical Staff 458 No. of session held- 43</p> <p>Training provided on following topics</p> <ol style="list-style-type: none"> <li>1. Biomedical waste management for handling of COVID-19 related waste</li> <li>2. Hand washing</li> <li>3. How to wear PPE and their disposal</li> <li>4. Preparation of Hypochlorite solution and its uses for</li> </ol>	CMO	Regular Activity

District Environment Plan- Faridabad

			<p>disinfection</p> <p>5. Linear management</p> <p>6. Disinfection fumigation procedure of isolation ward and other risk arises</p> <p>Regular health camps are organized at various places including Yamuna catchment area. 6289 persons were counseled and screened for various ailments i.e cancer, hypertension, asthma, heart disease etc.</p> <p>Registration of New Institute under BMW is under process</p>		
6.	Compliance to Rules by HCFs and CBWTFs	<ul style="list-style-type: none"> <li>To ensure that all the HCF existing and operating in the district should obtained prior Authorization under BMW Rules 2016 and Consent to Establish and Consent to Operate under Water (P &amp;CP)Act, 1974 and under Air (P&amp;CP) Act, 1981 as per the coverage of the HCF in consent management policy of HSPCB.</li> <li>The service provider is using the dedicated collection vehicles equipped with GPS</li> </ul>	<ul style="list-style-type: none"> <li>The random monthly mandatory inspections of the HCFs as allotted centrally by the Head office of HSPCB are being carried out.</li> <li>The quarterly inspection of the CBWTFs is being carried out regularly.</li> <li>To verify the operation of GPS in each of the dedicated vehicles and functioning of the tracking system in the respective CBWTFs portal</li> <li>All these 131 No. of Veterinary hospitals/dispensaries shall be directed to obtain</li> </ul>	HSPCB	Regular Activity

District Environment Plan- Faridabad

		<ul style="list-style-type: none"> <li>All the HCFs except Veterinary hospitals/dispensaries have obtained authorization under BMW Rules.</li> </ul>	necessary authorization under the provisions of BMW Rules, 2016		
7.	District Level Monitoring Committee	The State Level Advisory Committee has already been constituted in the State for implementation of BMW Rules, 2016.	<ul style="list-style-type: none"> <li>The District Level Monitoring Committee comprising Chief Medical Officer, RO, HSPCB Faridabad &amp; Ballabgarh, E.E Public Health, E.E Municipal Corporation Faridabad, Representative of Indian Medical Association, Representative of common bio-medical waste treatment facility under the Chairmanship of Deputy Commissioner, Faridabad is working District Faridabad.</li> <li>To conduct meeting of the District Level Monitoring Committee in a fixed interval.</li> </ul>	<ul style="list-style-type: none"> <li>Deputy Commissioner</li> <li>Health Department</li> <li>HSPCB</li> <li>Animal Husbandry and Dairying, Deptt.</li> </ul>	Regular Activity
8.	Waste water Treatment	<ul style="list-style-type: none"> <li>845 nos. of HCFs have implemented the segregation of liquid chemical waste at source and pre-treatment or neutralization by using 10% Sodium hypo Chlorite solution; prior to</li> </ul>	<ul style="list-style-type: none"> <li>Pre-treatment of the laboratory waste, microbiological waste, blood samples and blood bags through disinfection or sterilization on-site in the manner as prescribed by WHO</li> </ul>	<ul style="list-style-type: none"> <li>HSPCB</li> <li>HCF's</li> </ul>	Regular Activity



District Environment Plan- Faridabad

		<p>mixing with other effluent generated from health care facilities.</p> <ul style="list-style-type: none"> <li>The HCFs within the MCF area is treating the domestic effluent alongwith disinfected bio medical waste effluent generated from various HCFs in there terminal treatment facility installed.</li> <li>At present 10 nos. of Hospitals have already installed ETP.</li> </ul>	<p>or NACO.</p> <ul style="list-style-type: none"> <li>All the bedded HCF which are generating waste bio medical effluent shall be enforcing to install Pre-treatment/ Neutralization facility and to obtain valid Public Sewer connection for Channelization and terminal treatment of domestic effluent generating from HCF.</li> </ul>		
--	--	---	---	--	--

**(v) Hazardous Waste Management**

**a. Current Status related to Hazardous Waste Management**

There are approximate 1427 large/medium/small scale industries existing in District Faridabad and out of which only 1059 no. of industries are generating hazardous waste and having potential of generation of hazardous waste Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

The ETP chemical sludge generated from 423 no. of effluent treatment plant installed by the various industrial units is the potentially hazardous waste in the District. Further there is approximate 5684.29MT/Annum generation of hazardous waste in the District including the used oil is being generated from the various diesel generator sets (DGs) operating in various industries and other facilities such as hotels/hospitals/banquet hall/commercial buildings etc. as alternate source of power. The used oil is categorized as hazardous waste as per Schedule-I of the Rules.

The State of Haryana is having an Integrated Common Hazardous Waste Treatment Storage and Disposal Facility (ICHWTSDF) located at Village Pali, District Faridabad. The facility includes the process of Solidification and Stabilization, secured landfill, Incineration, disposal and provide the scientific transport facility to all the industries in the State. The Haryana Environment Management Society (HEMS) is facilitating ICHWTSDF to aid its members with effective-management of industrial hazardous waste. This ICHWTSDF facility is operated by Gujarat Environment Protection & Infrastructure Ltd. (GEPIL), Haryana. The hazardous waste generated in the District is scientifically treated and disposed as per the provisions of Hazardous and Other Wastes (M&TBM) Rule 2016 at ICHWTSDF. The ICHWTSDF facility was operationalized in the year 2008 in the State and having capacity to serve the State for 35 years.

The hazardous and other waste generated as per Schedule-III & Schedule-IV of HoWM Rules, 2016, is being disposed of through recycler/utilization/actual user facilities authorized by HSPCB operating throughout the State having environmentally sound technology duly approved by CPCB. As per provisions of HOWM Rules, 2016 all such industries which are generating, handling, transporting, utilizing, recycling the hazardous and other waste required prior authorization from HSPCB.

Details of Data Requirement	Present Status
No of Industries generating HW	1146
Quantity of HW in the district	6420.83 MT/Annum

District Environment Plan- Faridabad

(i) Quantity of In-cinerable HW	2017.8 MT/Annum
(ii) Quantity of land-fillable HW	3990.1 MT/Annum
(iii) Quantity of Recyclable/ utilizable HW	412.93 MT/Annum
No of captive/common TSDF	[1 Nos. of integrated TSDF], [0 Nos of SLF].[2 No. of Stand-alone incinerators]
Contaminated Sites or probable contaminated sites	0

**b. Identification of gaps and action plan:**

S. No.	Action points	Identification of Gaps	Action Plan	Responsible agency	Time line for completion of action plan
1.	Regulation of industries and facilities generating Hazardous Waste	<ul style="list-style-type: none"> <li>•The complete Inventorization of hazardous waste generating units will be done.</li> <li>•The authorization for hazardous waste generating units will be reviewed and granted.</li> <li>•The execution of agreement by the various hazardous waste units with CHWTSDF or a recycler /utilize facility will be reviewed and compliance will be ensured.</li> <li>•Insurance of the Submission of annual returns in Form 3 &amp; Form 4 by industries generating Hazardous Waste.</li> </ul>	<ul style="list-style-type: none"> <li>• Identification of Number of units generating hazardous waste in the District.</li> <li>➤The Inventorization of hazardous waste generating units already done and the same is an ongoing Process/activity.</li> <li>➤Inventorization of HW for the year 2021-22 has been completed.</li> <li>➤The inventory of all waste/used oil generators will has been completed.</li> <li>• Safe storage and handling of hazardous waste generated.</li> <li>➤The authorization for hazardous waste generating units has been reviewed and granted.</li> <li>• Channelization and safe transportation of hazardous waste to the disposal facility/recycler.</li> <li>➤Inventory of</li> </ul>	HSPCB/DIC	Regular Activity

District Environment Plan- Faridabad

		<ul style="list-style-type: none"> <li>•The generation of the hazardous waste viz-viz operation of effluent treatment plant and use of chemicals for the treatment of waste water from the industries. The data will be correlated and action against the defaulter will be completed.</li> <li>•Implementation of online generation of Hazardous Waste manifest by Industries, CHWTSDF facility and authorized recycler.</li> <li>•The random monthly mandatory inspections of the hazardous waste generating units as allotted centrally by the Head office of HSPCB need to be conducted.</li> <li>•The hazardous waste generated in the District is need to be scientifically</li> </ul>	<p>Common Hazardous Waste Treatment and Disposal facility and authorized recycler.</p> <ul style="list-style-type: none"> <li>➤The execution of agreement by the various hazardous waste units with CHWTSDF or are recycler /utilize facility is reviewed and compliances are being ensured.</li> <li>• Enforcing the industries for filing of annual returns as per Form 3 &amp; Form 4 of HoWMR ules, 2016.</li> <li>➤Insurance of the Submission of annual returns in Form 3 &amp; Form 4 by industries generating Haz. Waste has been complied and it is an ongoing process</li> <li>• To ensure that all the industries generating hazardous waste existing and operating in the district should obtain prior Authorization under HoWM Rules 2016 and Consent to Establish and Consent to Operate under Water (P&amp;CP) Act, 1974 and under Air(P&amp;CP) Act, 1981 as per the coverage of the industry in consent management policy of HSPCB.</li> <li>➤The status of CTO to hazardous waste generating units requiring CTO will be reviewed and covered under the</li> </ul>		
--	--	--	--	--	--

District Environment Plan- Faridabad

		<p>treated and disposed as per the provisions of Hazardous and Other Wastes (M&amp;TBM) Rule 2016 at ICHWTSDF.</p>	<p>ambit of Consent Management within 01 year.</p> <ul style="list-style-type: none"> <li>• Execution of valid agreement with service provider for safe disposal of hazardous waste generated.</li> <li>➤ The execution of agreement by the various hazardous waste units with CHWTSDF or are recycler /utilize facility is reviewed and compliances are being ensured.</li> </ul> <p>Periodic Inspection of Units generating Hazardous waste.</p>		
2.	Establishment of collection centres	<p>Every Unit has separate room to segregate Hazardous waste and then safely uplifted and disposed off by TSDF.</p>	<ul style="list-style-type: none"> <li>• No gap, as all the units which are generating hazardous waste and having agreement with common TSDF are in easy and direct approach of dedicated transporting vehicles of service provider and hence linked to Common TSDFs.</li> <li>➤ Online Verification of manifest supplied by CHWTSDF facility and authorized Recycler are being monitored through HROCMMS.IN.</li> <li>➤ Separate room for storage/ segregation of HW is being ensured during mandatory inspections of units. 01 no. CHWTSDF already established in District Faridabad.</li> </ul>	HSPCB	Regular Activity

District Environment Plan- Faridabad

3.	Training of workers involved in handling/ recycling/disposal of HW	TSDF i.e. M/s GEPIL promotes training of the worker on safety aspects from GMDIC.	Training programs shall be conducted to train the workers on safety aspects who are working in facilities/Industries engaged in handling/ recycling/pre-processing of hazardous waste in association with Department of Industries as per provisions under HOWM Rules, 2016.	GMDIC HSPCB	Regular Activity
4.	Availability/ Linkage with common TSDF or disposal facility	<ul style="list-style-type: none"> <li>Agreement with common TSDF of all the units which are generating hazardous waste will be reviewed and units which are not having agreement with TSDF/Industries whose agreement has been expired will be directed to execute the agreement.</li> </ul>	<ul style="list-style-type: none"> <li>Agreement with common TSDF of all the units which are generating hazardous waste will be reviewed and units which are not having agreement with TSDF/Industries whose agreement has been expired will be forced to execute the agreement.</li> </ul>	HSPCB	Regular Activity
5.	Contaminated Sites	Presently there is no contaminated site.	No gap	HSPCB	Regular Activity

**(vi) E-Waste Management**

**a. Current Status related to E-Waste Management**

The district is having some bulk consumers of E-waste in terms of Govt. offices, banks, educational institutes and industries. The E-waste generated from households in the District is now channelized and started disposing of through authorized recycler/dismantler. The legacy E-waste as on the date of issuance of the E-waste Rules not available. Presently in the District there is no recycler and dismantler of the E-waste, however, there are 10 nos. authorized recyclers/dismantler/ refurbisher in the State through which the E-waste generated in the District may be disposed of. Moreover, Inventorization of bulk consumers and dealers of electronic/electric instruments need to be done for implementation of E-waste Rules.

District Environment Plan- Faridabad

Details of Data Requirement	Present Status
Inventory of E-Waste in MT/year	17498.81.91 MT/Year (as per HSPCB record)
Collection centers established by ULBs in the District	<b>MCF:</b> Tender for collection, transportation and processing has been called; only 02 agencies participated but not technically qualified now the tender has been recalled again.
Collection centers established by Producers or their PROs	
No authorized E-Waste recyclers /Dismantler	<b>HSPCB:</b> 04 No. Recycler 04 Nos. Dismantler

**b. Identification of gaps and action plan:**

S. No.	Action points	Gaps in implementation	Action Plan	Responsible agency	Timeline for completion of action plan
1	Inventory / Generation of E-Waste / Bulk-waste generators	No gap.	<ul style="list-style-type: none"> <li>• Inventorization of bulk waste generators shall be done with the help of local administration and Municipal Corporation Faridabad</li> <li>• Channelization of E-waste to register recycler/dismantler/refurbisher available throughout the state for safe disposal and recovery of material after recycling.</li> <li>• Ongoing process activity performed through ward wise BWG team members headed by Nodal Officer &amp; Concerned Zone incharge.</li> <li>• M/s Namo E-waste recycler has been empaneled by MCF for collection and processing of E-waste.</li> </ul>	<ul style="list-style-type: none"> <li>• HSPCB</li> <li>• MCF</li> <li>• DDPO, BDPO</li> </ul>	<p><b>HSPCB:-</b> Inventorization completed. <b>MCF :</b> Regular Activity.</p>

District Environment Plan- Faridabad

2	E-Waste collection points	Availability of E-Waste collection points/centers in villages - Blocks/towns/cities need to be one.	Installation of E-Waste collection points/centers in villages- Blocks/towns /cities in association with District administration Producers their PROs or Recyclers. E-waste collection points have been installed in all wards and collected E-waste is being sent to MCF empaneled E-waste processing unit M/s Namoo E-waste recycler. Efforts are being made to ensure availability of e-bins in all wards by 31.03.2024.	<ul style="list-style-type: none"> <li>• MCF</li> <li>• DDPO</li> </ul>	<ul style="list-style-type: none"> <li>• <b>MCF:</b> 31.03.2024</li> </ul>
3	Linkage among Stake holders to channelize E-Waste	District administration need to collect information on collection centers established by Producers /PROs. Administration need also to identify authorized E-Waste recyclers in the district or in State to channelize E-waste collected in District.	<ul style="list-style-type: none"> <li>• To collect information about collection centers with the help of local administration, MCF and Producers/PROs and further linkage with registered E-Waste recycler/dismantler/ refurbisher for channelization of E-Waste.</li> <li>➤ HSPCB has granted authorization under E-waste Rules to 04 Nos. recycler and 04 Nos. dismantler as per office record there is no unauthorized E-waste recycler and dismantler.</li> <li>➤ Linkage among RWAs/ group housing, MCF authorized door to door waste collecting vendor M/s Eco-green and empaneled M/s</li> </ul>	<ul style="list-style-type: none"> <li>• MCF</li> <li>• HSPCB</li> </ul>	<ul style="list-style-type: none"> <li>• HSPCB- Activity Completed</li> <li>• MCF: Regular Activity</li> </ul>

District Environment Plan- Faridabad

			Namo E-waste processing agency has been ensured.		
4	Regulation of Illegal E-Waste recycling /dismantling	There is no such Illegal E- Waste recycling /dismantling facilities existing in district Faridabad.	No Gap, however regular inspections are being carried out for such activities. ➤ HSPCB has granted authorization under E-waste Rules to 04 Nos. recycler and 04 Nos. dismantler as per office record there is no unauthorized E-waste recycler and dismantler.	<ul style="list-style-type: none"> <li>• HSPCB</li> <li>• MCF</li> </ul>	<ul style="list-style-type: none"> <li>• <b>HSPCB</b> Activity Completed</li> <li>• <b>MCF:</b> Activity Completed.</li> </ul>
5	Integration of informal sector	No mechanism exists for bringing informal sector into main stream in collection and recycling of E-Waste	<ul style="list-style-type: none"> <li>• Identification of group of informal sector viz. Rag Pickers, Electronic/ Electrical Repair Shops involved in-collection of E-Waste and channelization of the same into main stream with the help of local administration and MCF.</li> <li>➤ HSPCB has granted authorization under E-waste Rules to 04 Nos. recycler and 04 Nos. dismantler as per office record there is no unauthorized E-waste recycler and dismantler.</li> <li>➤ MCF is making efforts to informal rag-pickers with E-waste processing agency effectively tap e-waste collected from residential and commercial units.</li> </ul>	<ul style="list-style-type: none"> <li>• HSPCB</li> <li>• MCF</li> </ul>	<ul style="list-style-type: none"> <li>• HSPCB- Activity Completed</li> <li>• MCF: Regular Activity</li> </ul>



District Environment Plan- Faridabad

6	Awareness and Education	Awareness programmes for stake holders and informal sectors involved in E-Waste collection needs to done.	<ul style="list-style-type: none"> <li>• Conducting of special workshops and awareness campaigns through Producers/PROs</li> <li>• Dissemination of information about collection centers established in the District website.</li> <li>➤ HSPCB has granted authorization under E-waste Rules to 04 Nos. recycler and 04 Nos. dismantler as per office record there is no unauthorized E-waste recycler and dismantler.</li> <li>➤ Municipal Corporation Faridabad has organized various awareness fashions with the support of YMCA and M/s Namo E-waste Pvt. Ltd. to educate masses regarding proper disposal of E-waste.</li> </ul>	<ul style="list-style-type: none"> <li>• HSPCB</li> <li>• MCF</li> <li>• DEO, Faridabad</li> </ul>	<ul style="list-style-type: none"> <li>• HSPCB- Regular Activity</li> <li>• MCF: Regular Activity</li> <li>• DEO Faridabad:- Regular Activity</li> </ul>
---	-------------------------	---	---	--	--

### 3.0 Air Quality Management

#### a. Current Status related to Air Quality Management

The major pollutant of air pollutant in district Faridabad is Suspended Particulate Matter. Particulate Matter is a complex mixture that may contain soot, smoke, metals, nitrates, sulphates, dust, water and tire rubber. It can be directly emitted, as in smoke from a fire, or it can form in the atmosphere from reactions of gases such as nitrogen oxides. The size of particles is directly linked to their potential for causing health problems. Small particles (known as PM2.5 or fine particulate matter) pose the greatest problems because they bypass the body's natural defenses and can get deep into your lungs and potentially your blood stream. Particles in the PM2.5 size range are able to travel deeply into the respiratory tract, reaching closer to alveoli in the lungs. Exposure to fine particles can cause short- term health effects such as eye, nose, throat and lung irritation, coughing, sneezing, runny nose and shortness of breath. Exposure to such particles can affect both your lungs and your heart. Long-term exposure to particulate pollution can result in significant health problems including: Long-term exposure to particulate pollution can result in significant health problems including:

District Environment Plan- Faridabad

- Increased respiratory symptoms, such as irritation of the airways, coughing or difficulty breathing  
Decreased lung function
- Aggravated asthma
- •Development of chronic respiratory disease in children
- Development of chronic bronchi is orchronic obstructive lung disease
- Irregular heart beat
- Non fatal heart attacks
- Premature death in people with heart or lung disease, including death from lung cancer

There are approximate 1448 of industrial establishments in district Faridabad out of which 108 no. of unit brick kiln and 1340 nos. of industrial unit are covered under the category of Red/Orange/ Green as per categorization prescribed by Central Pollution Control Board. All the 104 no. of Brick Kiln are operating after conversion from (FCBTK) Fixed chimney bull's trench kiln to Zig Zag technology. All the industries in Faridabad District are using only legal/ approved fuels as per the HSPCB Order 4023-4076, dated 12.12.2018.

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:	PSU agency: 1. Police Line Sec-30, Near By Pass Road, Faridabad 2.MCF Auditorium, BK Chowck, Faridabad 3.Regional Office building, Sector-16, Faridabad Haryana 4. MCF Pump No. 104, near Milan Restaurant, SEC -11 FARIDABAD 5. BDPO Office, Ballabgarh
Number of manual monitoring States operated by SPCBs	Nil
Name of towns/cities which are failing to comply with national ambient air quality stations	Nil
No of Air Polluting Industries	532
Prominent air polluting sources [Large Industry] / [Small Industry] / [Unpaved Roads] / [Burning of Waste Stubble] / [Brick Kiln]/ [Industrial Estate]/[Others](Multiple selection)	Large Industry – 37 Small Industry – 387 Brick Kilns – 108 Other sources: Road Dust, C & D waste, Open garbage burning, Open garbage dumping, Potholes, Uncovered construction material, Constructions Projects and Vehicular emission.

**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?	Air polluting industries mainly includes the brick kilns, stone crusher, plywood industries, thermal power plant, Steel plant, metal recyclers etc. All the unit shad installed the Air Pollution Control Devices such as Four field Electrostatic Precipitator/Bag Filters/ Multi cyclone/ cyclone/ Wet Scrubbers/Separators. All of these industries have installed required APCD.	HSPCB	No gap
2.	Ambient Air quality data?	05 no. of CAAQMS installed in District Faridabad and the real time data is being published to CPCB Central Server and hence the calculated AQI is Available in Public Domain.	HSPCB	No gap
3.	Setting up of Continuous Ambient Air Quality Monitoring Station	Presently 05 no. CAAQMSs have been installed in District Faridabad. Further as per the recommendation of NGT Monitoring Committee the possibilities for installation of additional CAAQMS will be explored based upon technical study of eligible agency.	HSPCB	Already Completed.
4.	District Level Action Plan for Air Pollution	All the air polluting industries in the district have provided the air pollution control measures however the ambient air quality is consistently non-confirming with the National Ambient Air Quality Standards. The other factors identified and need eradication and improvement areas under;- 1. Stubble burning is one of the major factor and for this the crop diversification is being adopted. Mera Pani Meri Virasat Scheme under Crop Diversification is an ongoing scheme of 2020-21 and 2021-22. 2. Awareness among Farmers for In-Situ & Ex-Situ management of stubble burning with use of CRM machinery. 3. Construction of Paved shoulders along the roads and improvement of existing quality of roads for dust containment.	HSPCB, DSP Traffic, DDA Agricultural, RTA, ULBs	<b>RTA:-</b> Regular Activity. <b>HSPCB:-</b> Regular Activity. <b>Agriculture :-</b> Regular Activity.

		<p>4. Challaning of overloaded transport vehicles. क्षमता से अधिक भार ढोने वाले वाहनो के विरुद्ध लगातार अभियान चलाया जाता है जिसके तहत माह मई वाहनों के ..... में 2023 - चालान किये गये।</p> <p>5. Ensuring the transport of construction material with proper covering. निर्माण सामग्री लाने वाले वाहन स्वामियों को निर्माण सामग्री ढककर लाने के निर्देश दिये गये है। खुली निर्माण सामग्री लाने वाले वाहनों का चालान किय जाता है।</p> <p>6. Ensuring the PUC certificate with the vehicles and challaning for the same. ➤ Pollution under check का प्रमाण पत्र ना लेने वाले वाहन का मौका पर ही चालान किया जाता है।</p> <p>7. Find the way out for CNG station setup in the District.</p> <p>8. Ensuring the non-plying of vehicles where in registration is expired and non-renewable. ➤ 10 वर्ष कि आयु के डीजल वाहन तथा 15 वर्ष कि आयु पूर्ण करने वाले पेट्रोल वाहनों के पंजीकरण प्रमाण पत्र को रिन्युवल फिटनेस प्रदान नहीं की जाती ।</p> <p>9. Exploring the possibility of supplying cleaner fuel to the air polluting industrial cluster.</p> <p>10. Periodic Up-gradation of Air-Pollution Control Devices (APCDs) installed in air polluting industries.</p> <p>11. Afforestation drives for industries/institutions/parks/industrial estates/ road sides and river bank.</p> <p>12. Awareness activity among the public.</p> <p>13. Monitoring on vehicle fitness.</p> <p>14. Periodic calibration test of vehicular emission monitoring instrument. ➤ राष्ट्रीय राजमार्ग एवम् परिवहन मंत्रालय द्वारा जरि किये गये दिशा निर्देशानुसार वाहनो के प्रदूषण चैक</p>		
--	--	--	--	--

District Environment Plan- Faridabad

		करने वाले यंत्रों को ही प्रदूषण चैक सैन्टर पर लगाने के लिये अधिकृत किया जाता है।		
5.	Hots pots of air pollution in District	<p>The hot spots of air pollution in the area and measures to curb the same.</p> <ol style="list-style-type: none"> <li>1. Restriction on open burning of municipal solid waste, Bio mass, plastic, horticulture waste, garbage etc.</li> <li>2. Curbing of stubble burning.</li> <li>3. Curbing of forest fires.</li> </ol> <p>02 Nos. hot spots have been identified in District Faridabad.</p> <p>5 hotspots has been identified, given below:-</p> <ol style="list-style-type: none"> <li>1. Near Janta Colony, near Saran round about NIT Faridabad area.</li> <li>2. ESIC gate beside golf squared boundary wall along DAV collage with main road both side.</li> <li>3. Mulla hotel Adarsh colony Chowk</li> <li>4. Surya vihar, Phase-I near Village Sehatpur.</li> <li>5. Brahman Dharamshala Road, near Shani Mandir, Ballabgarh.</li> </ol> <p>For conversion hotspots into green spots, tender has been called and under process for allotment.</p>	DFO, Faridabad DDA Agricultural, ULBs	<b>MCF:</b> Regular Activity.
6.	Awareness on Air Quality	<p>The real time data generated by 05 no. of CAAQMSs installed in District Faridabad is being published to CPCB Central Server and hence the calculated AQI is available in Public Domain through CPCB Sameer App and HSPCB/CPCB Website.</p> <p>The awareness activities regarding prevention and control of air pollution are being conducted by DLSTF on Monthly basis regularly.</p>	HSPCB	Regular Activity

#### 4.0 Water Quality Management

##### 4.1 Water Quality Monitoring

###### a. Current Status related to Water Quality Management

Water quality monitoring is being done from 14 nos. Location in District Faridabad for Ground Water on six monthly basis while from 17 nos. of locations for Drains on Monthly Basis.

Details of Data Requirement	Present Status
Rivers	<p><b>Irrigation and Water Resource Department:</b> Yamuna River from Basantpur to Mohna in length 25 km.</p> <p>MCF: 1 Agra canal and 1 Gurgaon canal</p>

District Environment Plan- Faridabad

Length of Coast line(if any)	Nil
Nalas/Drains/ Creeks meeting Rivers	<b>Irrigation and Water Resource Department:</b> 02 NOS. (Buriya Nallah & Ali Link Drain) <b>MCF:</b> 3 nos. (Mawai drain, Gaunchi drain, Budhiya Nallah)
Lakes/Ponds	-
Total Quantity of sewage from towns and cities in District	<b>MCF:</b> 197 MLD <b>Irrigation and Water Resource Department:</b> 20.81 MLD
Quantity of industrial waste water	<b>HSPCB:</b> 24.76 MLD
Percentage of untreated sewage	73%
Details of bore wells and number of permissions given for extraction of groundwater	No. of T/wells= 1792
Ground water polluted areas if any	Nil
Polluted river stretches if any	Nil

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

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Inventory of water bodies	<p>Identification and Inventorization of water bodies started. Further water quality of such bodies will be monitored on six monthly basis by respective agencies.</p> <p><b>Irrigation Department:</b> There are 18 no. channels under the jurisdiction of this office all channels are lined and silt internal clearance, and jungle clearance work has been done in season. Rabi and Khrif Cops are considered as Regular Activity.</p> <p>Latest Status is already updated in PDMS Portal. 2 Nos. ponds under construction at Sihi village and Budhena village which</p>	District Hydrologist Irrigation department, Pond Authority, CEO Zila Parishad, ULBs	<b>MCF:</b> 31.03.2024. <b>Irrigation Department:</b> Regular Activity.

District Environment Plan- Faridabad

		will be completed upto 30.09.2023 5 No. ponds at (1) Dabua (2) Village Bajri 30 (3) Village Bajri 32 (4) Village Gaunchi 149 (5) Village Bajri 31 are under tender process which will be completed upto 31.03.2024		
2.	Quality of water bodies in the district	No gap, DLSTF monitoring the quality of the water bodies including river Yamuna on monthly basis.	MCF DLSTF, Faridabad	MCF: Testing of 21 water bodies has been carried out till now. HSPCB:- sampling of 20 Nos. location is being carried out by HSPCB every month.
3.	Hotspots of water contamination	No such hotspot of water contamination has been identified, however the regular monitoring of water quality will be done by the concerned department.	MCF	Regular Activity
4.	Protection of river/lake water front	District Faridabad has already been declared free from open defecation. Further Prevention of entering of solid waste into water bodies shall be ensured throughout the District and presently there is no gap. Also idol immersion in water bodies regularly monitored and prohibited during various festive seasons throughout the year. Irrigation Department: Protection of erosion of river bank due to meandering behavior of river Yamuna this office proposed stone studs works every year where is required. This year 3 Nos stone studs work is under progress to protect village abadi and agriculture land of village Mohan. And timeline of this work is 30.06.2023	ULBs, Faridabad Irrigation Department, Fatehabad HSPCB Police Deptt, Panchayati Raj Deptt.	HSPCB: Regular activity. <b>Irrigation Department:</b> 30.06.2023

District Environment Plan- Faridabad

5.	Inventory of sources of water pollution	Sewage and waste water discharge points into water bodies already and identified and under action for tapping of such points. Irrigation Department: The 2 Nos drains are under the jurisdiction of this office and regular watch and ward of this drain for discharging untreated effluent is done by this office and if any culprits found discharging any untreated effluent the action will be taken against culprits as per Haryana Canal & Drainage act 1974. Permission for discharging treated effluent will be given to those which have dishcraging treated ETP/STP installed and also consent to protection of erosion of river bank due to establishment given by HSPCB	MCF, Irrigation Department, PHED, XEN, Panchayati Raj	Irrigation Department and HSPBC: Regular activity.
6.	Oil spill disaster management (for coastal districts)	Whether district oils pill crisis management group and DistrictOilSpill 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.	NA	NA
7.	Protection off food plains	No flood in recent years, further Flood Control Order is prepared and updated every year for control of flood. Irrigation Deptt: to control flood and protection of erosion of river bank due to meandering behavior of river Yamuna this office proposed stone studs works every year where is required. This year 3 no. stone studs work is under process to protect village abadi and agriculture land of village Mohan and timeline of this work is 30.06.2023	Irrigation Deptt.	Irrigation Deptt: 30.06.2023



District Environment Plan- Faridabad

8.	Rejuvenation of ground water	<p>Inventorization for the Rain water harvesting will be carried out. Action plan for possible rain water harvesting system will be executed.</p> <p>Irrigation Department: there are proposal of 40 nos injection well/ recharge borewell taken under the scheme of ground water recharge under Atal Bhu Jal Yojna and time line for completion work is 31.12.2023</p> <p>At Present 219 Rain water harvesting system exists in MCF area, the work for cleaning of these Rain water harvesting has been allotted to agency</p>	Irrigation Deptt. MCF	Irrigation Deptt.: 31.12.2023 <b>MCF: Regular Activity</b>
9.	Complaints redressal system	<p>CM Grievances Redressal and Monitoring System, Haryana is available for lodging any public complaint. Moreover Social Media Grievance track (SMGT) is also working in the District. District Public Relation and Grievance Redressal Committee is also working on public grievances. Moreover, telephone numbers of all the officer of HSPCB and other concerned departments are provided in the public domain for direct complaint redressal of the public.</p>	HSPCB and other concerned departments	Regular activity

#### 4.2 Domestic Sewage

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

In District Faridabad , Haryana, total sewage generation is around 282 MLD and there are 03 Sewage Treatment Plants at a total capacity of 92 MLD are in operation at all Municipalities and Towns.

CPCB and HSPCB have periodically issued directions to the urban/ local bodies to set up Sewage Treatment Plants (STPs) of adequate capacity including provision for sewerage system to cover the entire local/urban areas and the treated effluent to comply with the standards in order to prevent deterioration of surface, sub-surface and coastal waters.

The treated sewage, after ensuring that the prescribed standards for core parameters are met are either used for irrigation or let into water bodies.

As per Hon'ble NGT order dated 27.11.2018 in OA No.148/2018 directed that all the States and Union Territories ought to prepare and furnish their action plans for utilization of treated sewage is given below.

District Environment Plan- Faridabad

Details of Data Requirement	Present Status
No of Class-II towns and above	0
No of Class-I towns and above	Faridabad
No of Towns STPs installed	<b>MCF:</b> At present 03 STPs of 45 MLD at Badshahpur, 50 MLD at Partatpgarh and 45 MLD at Mujheri are working. <b>HSVP:</b> 7.5 MLD at Sec-77 was constructed by HSVP and has been handed over to FMDA. 30 MLD at Badshahpur is under construction.
No of Towns needing STPs	<b>MCF:</b> 2 STP under construction of 80 MLD capacity at Mirzapur and 100 MLD capacity at Partapgarh
No. of ULBs having partial underground Sewerage network	<b>MCF:</b> At present 1624 km sewer already laid
No of towns not having sewerage network	<b>MCF:</b> Most of the areas of MCF are covered under sewerage network. It is also pertinent to mention here that the laying work of sewerage line in 66 colonies under AMRUT project is in progress. It is further submitted that the work for preparation of master plan of sewerage network has been allotted to M/s. WAPCOS. After completion the work further necessary action could be taken.
Total Quantity of Sewage generated in District From Class II cities and above	<b>MCF:</b> At present in MCF 282 MLD sewage generated
Quantity of treated sewage flowing into Rivers(directly or indirectly)	<b>MCF:</b> 92 MLD
Quantity of untreated or partially treated sewage(directly or indirectly)	MCF : 190 MLD
Quantity of sewage flowing into lakes	MCF :All the treated or partially treated water is being discharged in Budhiya Nallah, Gaunchi Drain, Mawai Drain.
Total available Treatment Capacity	MCF : 92 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
1.	Sewage Treatment Plants (STPs)	68 % gap	PHED/ MCF/ HSVP	<b>HSVP :-</b> No gap in HSVP area. <b>PHED</b> No STP is in the jurisdiction of PHED in Distt Faridabad.

District Environment Plan- Faridabad

				MCF-31.12.2023
2.	Underground sewerage network	Sewer line laying process is in progress and will be connected to STPs in district Faridabad in the remaining area.	MCF	MCF-31.03.2024

## 5.0 Industrial waste water management

### a. Current Status related to Industrial Waste water Management

There are total 404 no. of industries generating industrial waste water and engaged in process of wet blue to finished leather, distillery, food processing, ceramic tile manufacturing, glass bottle, dyeing, electroplating, refining of used oil, cleaning of used containers/barrels etc. Further there is a potential of generation of approx. 24.76 MLD of waste water from these industries. The waste water generated is scientifically treated through Effluent Treatment Plants (ETPs) and ETP sludge is being disposed as per the provisions of Hazardous and Other Wastes (M&TBM) Rule 2016 with having agreement either with Gujarat Environment Protection & Infrastructure Ltd. (GEPIL) which is a State level single facility as a Common Hazardous Waste Treatment and Disposal facility located at Village Pali, District Faridabad or through recycler of hazardous waste authorized by HSPCB and HSPCB is regularly monitoring the working of ETPs by the way of conducting monthly mandatory inspections of these industries.

In District Faridabad, Haryana, total industrial effluent generation is around 24.76 MLD and there are 02 Common Effluent Treatment Plants at a total capacity of 11.15 MLD is in operation in District Faridabad for the treatment of industrial effluent.

The treated effluent, after ensuring that the prescribed standards for core parameters are met are either used for irrigation or let into water bodies.

Number of Red, Orange, Green and White industries in the District	[Nos. of Red industries- 562], [Nos. of Orange industries- 690],[Nos of Green industries-195]
No. of Industries discharging Waste water	409
Total Quantity of industrial waste water generated	24.76 MLD
Quantity of treated industrial waste water discharged into Nalas/ Rivers	18.301 MLD
Common Effluent Treatment Facilities	02 nos.
No of Industries meeting Standards	409
No of Industries not meeting discharge Standards	

**b. Identification of gaps and action plan for industrial waste water:**

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline For completion of action plan
1.	Compliance to discharge norms by Industries.	Regular, monitoring of the industries is being conducted as per inspection policy of the Board and action will be taken as per provision of Water Act, 1974	HSPCB	Regular Activity
2.	Complaint redressal system	CM Grievances Redressal and Monitoring System, Haryana is available for lodging any public complaint. Moreover Social Media Grievance track (SMGT) is also working in the District. District Public Relation and Grievance Redressal Committee is also working on public grievances.	HSPCB	Regular activity.

**6.0 Mining Activity Management plan****a. Current Status related to Mining Activity Management**

Details of Data Requirement	Existing Mining operations
Type of Mining Activity	Presently, no mining activity existing in the jurisdiction of District Faridabad.
No of licenced Mining operations In the District	4 Blocks
% Area covered under mining in the District	834.7 HQ
Area of Sand Mining	Nil
Area of sand Mining	River bed i.e. 834.7 HQ but 8 village (4 blocks) auction by dept. of Yamuna sand.

**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 with respect to environmental compliance	Mining Department	Presently, no mining activity existing in the jurisdiction of District Faridabad.
2.	Inventory of illegal mining if any mining	Action plan to identify illegal sand and other mining activity in the District through surveillance, patrolling and enforcement. District Level task Force may be constituted for Control of illegal mining activity.	Mining Department	NA
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/ HSPCB	NA

**7.0 Noise Pollution Management plan****a. Current Status related to Noise Pollution Management**

Environment Department, Government of Haryana vide order dated 5th September, 2003 vide no. S.O. 109/N.P. (R.and C.) R.2000/R.2/2003– “In exercise of the powers conferred by clause (c) of rule 2 of the Noise Pollution (Regulation and control) Rules, 2000, and all other powers enabling him in this behalf and in suppression of Haryana Government, Environment Department, Notification no. S.O. 75 / N.P. (R. and C) R 2000/R 2/2001, dated the 21st May 2001, the Governor of Haryana hereby designates Sub Divisional Magistrate, Deputy Superintendent of Police and Regional Officer, Haryana State Pollution Control board in their respective area of jurisdiction as shown below to be authorities for the purpose of said clause

1. Sub – Divisional Magistrate - Residential Area and religious places.
2. Deputy Superintendent of Police - Noise by automobiles
3. Regional Officer, Haryana State Pollution Control Board - Noise by Industrial units.

District Environment Plan- Faridabad

Details of Data Requirement	Measurable Outcome
No. of noise measuring devices available with various agencies in district	03 nos. with HSPCB.

**b. Identification of gaps and action plan:**

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Availability of Sound/Noise Level Meters.	There is only 03 noise monitoring kit available in the district with HSPCB. Further no such monitoring kits are available with other agencies such as ULBs, SHOs, Traffic police. Further, the procurement of monitoring kits shall be made to the above said lacking agencies within defined time frame by respective local district administration	ACP Traffic, SDM, HSPCB	<b>HSPCB:</b> Noise level being monitored by HSPCB during industrial inspection. (Regular Activity). <b>ACP Traffic:</b> 02 no. noise monitoring stations available with Traffic Police Station, Faridabad. Challenging is being done against violating vehicles as well as DJs creating noise during various functions.
2.	Ambient Noise Level monitoring.	Possibilities of installation of ambient noise level monitoring stations will be explored. Portable analyzers will be provided with the enforcement agencies. The special drives for ensuring the ambient quality standards will be carried out in the residential, sensitive zones. Moreover, HSPCB also conducting the ambient air	DSP Traffic, SDM, HSPCB	<b>HSPCB:</b> Noise level being monitored by HSPCB during industrial inspection. (Regular Activity). <b>ACP Traffic:</b> 6 sensitive

District Environment Plan- Faridabad

		noise monitoring during festive seasons.		noise zones have been identified by Traffic Police i.e. Badarpur Border, Badkhal Chowk, Old Chowk, Ajrona Chowk, Ballabgarh Bus Stand, JCB Chowk.
3.	Sign boards in Noise zones	MCF, HSVP, DDPO, NHAI should install the proper signage to earmark the silence zone, no horn zone and noise limits in the city. Hospitals, Schools and other Educational institutions are declared as no horn and silence zones.	MCF, HSVP, DDPO, NHAI,	HSVP :- Suraj kund road has been transferred to FMDA.
4.	Complaint redressing system	CM Grievances Redressal and Monitoring System, Haryana is available for lodging any public complaint. Moreover Social Media Grievance track (SMGT) is also working in the District. District Public Relation and Grievance Redressal Committee is also working on public grievances.	DSP Traffic, SDM, HSPCB	Regular activity.

\*\*\*