



**HARYANA STATE POLLUTION CONTROL BOARD**  
Faridabad Region, Opp. HewoAppmt., Sector-16A, Faridabad  
Website: [www.hspcb.gov.in](http://www.hspcb.gov.in)



No. HSPCB/FR/2021/ 219

Dated: 30/4/2021

To

The Sr. Scientist (Air Cell),  
Haryana State Pollution Control Board,  
Panchkula.

**Sub: Compliance of Hon'ble NGT orders dated 19.08.2019  
(published on 23.08.2019) in OA No. 1038/2018 reg.**

**Ref:** Head office letter no. HSPCB/Air Cell/2021/2968-72 dated  
28.04.2021.

Please find enclosed herewith the District Environment Plan duly  
signed by Worthy Deputy Commissioner, Faridabad, Regional Officer, Faridabad  
Region and Regional Officer, Ballabgarh Region.

Submitted for your kind information and necessary action please.

DA/ as above

*S Kanodia*  
30/04/2021  
Regional Officer  
Faridabad Region

**Action Plan**  
**For**  
**The Control of Air Pollution in**  
**Faridabad City**  
**in**  
**O.A. No. 1038/2018 News**  
**Item published in "The Asian**  
**Age" Authored by Sanjay Kaw**  
**titled "CPCB to rank industrial**  
**units on pollution levels**



**DISTRICT ADMINISTRATION**  
**and**  
**REGIONAL OFFICE**  
**HARYANA POLLUTION CONTROL BOARD**  
**SECTOR 16A, Opp. HEWO APPARTMENT, FARIDABAD**

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

*D. Singh*  
**Regional Officer**  
**Ballabgarh Region**

*S. H.*  
**Deputy Commissioner**  
**Faridabad**

## 1. INTRODUCTION

**Faridabad**, a major industrial city of Haryana State was founded in 1607 by **Shaikh Farid**, treasurer of **Jahangir**, with the object of protecting the highway which passed through the town. Shaikh Farid 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.

### 1.1 Area Detail including brief history (background information):

Faridabad District adjoins Delhi on its south-eastern side having total area of 742.90 sq. km. and Municipal Area of 208 sq. km. It is located at 28°25' 16" North Latitude and 77°18' 28" East Longitude. It is bounded by the National Capital Territory of Delhi on its North. Delhi-Mathura National Highway No. 2 passes through the Centre of the district. Faridabad is famous for Henna Production on agriculture sector while Tractors, Motorcycles, Textile Dyeing & Printing, Switch Gears, Refrigerators, Shoes and Tyres are other famous industrial products of the District. Badkhal Lake tourist complex, SurajKund Tourist Complex, Aravali Golf Club & Raja Nahar Singh Palace are the famous tourist spots. Faridabad is the oldest Industrial City of the State & has further grown enormously during the last few years, particularly because a large number of industries have come up in the town. All these developments are associated with intense pressure on the receiving Environment. The rapid growth of the city also brought immigrants from other parts of the country. People from UP, Rajasthan, Bihar and Bengal increased the population size of Faridabad District.

### 1.2 Location

Municipal Area	208 Sq. Km.
Geographical	28° 25' 16" North Latitude Coordinates
Distance from River Yamuna	12 Km
Distance from National Capital Delhi	30 Km

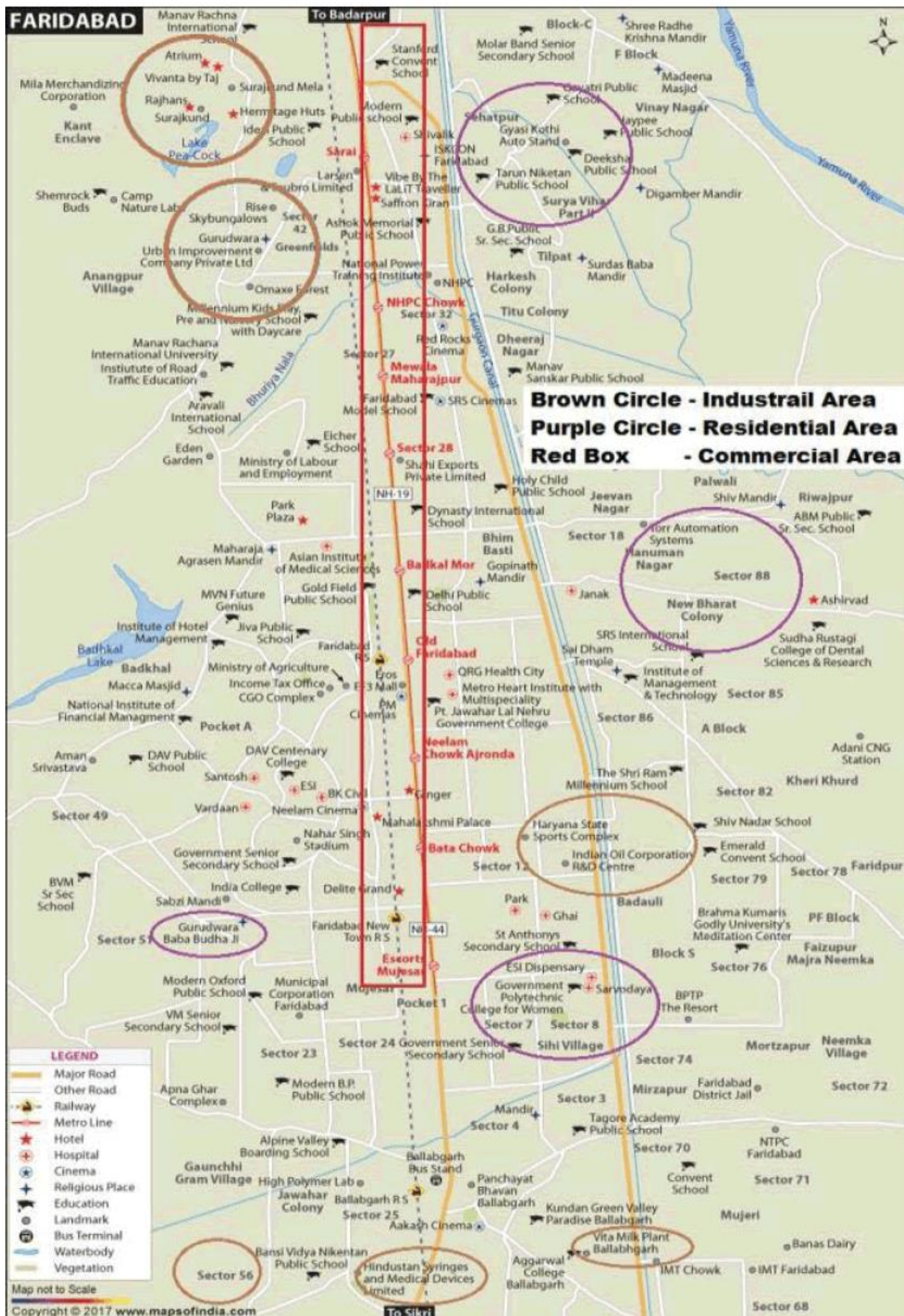


Fig. 1 Faridabad city map.

### ANNUAL AVERAGE DATA OF AMBIENT AIR QUALITY PM<sub>2.5</sub> (µg/m<sup>3</sup>) OF FARIDABAD CITY (YEAR 2015-2020)

Haryana State Pollution Control Board is monitoring ambient air quality of Faridabad city manually at 05 locations i.e. (i) Office of Haryana State Pollution Control Board, Sector 16A, Faridabad, (ii) Police Line Sec-30, Near By Pass Road, Faridabad (iii) MCF Auditorium BK Chowk, Faridabad (iv) MCF Pump No. 104, near Milan Restaurant, Sec -11 Faridabad (v) BDPO Office, Ballabgarh for PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>2</sub> parameters. Annual Average data of Ambient Air Quality particularly PM<sub>2.5</sub> (Particulate Matter size less than 2.5 microns) were observed during the year 2015-20 are as given below.

Sr. No.	Name of Location	2015	2016	2017	2018	2019	2020
1.	Police Line Sec-30, Near By Pass Road, Faridabad	NA	NA	NA	NA	NA	99.31
2.	MCF Auditorium BK Chowk, Faridabad	NA	NA	NA	NA	NA	151.29
3.	Regional Office building, Sector-16, Faridabad Haryana	99	128	107	117	100	91
4.	MCF Pump No. 104, near Milan Restaurant, SEC -11 FARIDABAD	NA	NA	NA	NA	NA	114.4
5.	BDPO Office, Ballabgarh	NA	NA	NA	NA	101.35	79.66

\*NA – Not installed in that year.

## 1. SOURCES OF POLLUTION IN FARIDABAD

The main sources of air pollution in Faridabad city are Vehicular emission, Road dust, Construction & Demolition activities, Industries (Point source & Areas source), Garbage burning and open dumping of solid waste etc.

It is clear from the data that the pollution levels are increasing year by year and the air quality index is getting worst. If we do not take steps now, this can lead to severe consequences. In spite of all the effort to control air pollution by regulatory authorities the data summarized above suggest that the air pollution level in Faridabad is on higher side.

Population of Faridabad from 2015-21, it has been seen that the population has gone up by 1.64 Million in the past 6 years. Therefore, the population of the city increases per year by 0.328 Million. The population of Faridabad in the year 2019 is 3.54 Million + 0.328 Million = 3.868 Million. In conclusion, the population of Faridabad in 2019 as per estimates = 3.868 Million & huge growth in number of vehicles. High traffic densities and abnormal meteorological factors adversely influenced Ambient Air Quality of Faridabad in winter. Degraded Air Quality has adverse effect on buildings, materials, Human health, Plants, historical monuments and material surface get degraded and decolorize due to air pollutants. Clean air is a "matter of right" and the steps are urgently required to improve air quality and also the steps require a multi prolonged, sustained and integrated approach including close monitoring of implementation. Hence a short term and long term action plan is an urgent need to control air Pollution of Faridabad city.

## 2. ACTION TO BE TAKEN :-

### (A) VEHICLE EMISSION CONTROL

#### (a) Long Term Action Plan: Reduce congestion

Sr. No	Action Points	Timeframe for implementation	Action Required to be Taken by Responsible Departments
i.	Promotion and operationalization of E-rickshaw such as All delivery services in the city to be shifted to E- Vehicle's (Two Wheelers/NMT (Non-Motorized Transport)-Cycling, Installation of Electric Vehicle charging stations based on Renewable Energy generation at public, private building/spaces and societies across city etc.	01 Year	Transport Department/ MCF/ Smart City Faridabad.
ii.	Prepare plan for construction of expressways/bypasses to avoid congestion due to non-destined vehicles.	01 Year	N.H.A.I.
iii.	Construction of peripheral road around the city to avoid congestion.	01 Year	N.H.A.I./PWD/ MCF/HSVP/ Faridabad Smart City
iv.	Arrangement of Parking/ Multilevel Parking Facilities	01 Year	MCF/HSVP/ Faridabad Smart City
v.	Implement NCR wide seamless bus system and para transit system and remove tolls and tax barriers across borders for public transport within a year under reciprocal agreement	03 Year	RTA/ Transport Department
vi.	Use of Bio-Ethanol in the city/urban transport system/waste to energy.	01 Year	Transport Department

(b) **Short Term Action Plan**

Sr. No.	Action Points	Timeframe for implementation	Action Required to be Taken by Responsible Departments
i.	Ban on registration of diesel vehicles of more than 10 years old & Petrol vehicles of more than 15 years old in the district of Faridabad and Impounding of diesel vehicles older than 10 years and petrol vehicles older than 15 years	Implemented and ongoing process	R.T.O/Traffic Police
ii.	Launch extensive drive against polluting vehicles for ensuring strict compliance	As regular activity	R.T.O/Traffic Police
iii.	Launch public awareness campaign for air pollution control, vehicle maintenance, minimizing use of personal vehicles, lane discipline, etc.	As regular activity	R.T.O/ Traffic Police
iv.	Prevent parking of vehicles in the non- designated areas	As regular activity	Traffic Police/ MCF
v.	Proper system for fuel quality testing for controlling fuel adulteration	As regular activity	District Food Supply Controller
vi.	Prepare & implement action plan to check fuel adulteration and random monitoring of fuel quality data	30 days	District Food Supply Controller/Oil companies
vii.	Prepare & implement plan for widening of roads and improvement of infrastructure for decongestion of road	90 days	MCF/HSVP/ Faridabad Smart City
viii.	Steps for promoting battery operated vehicles including establishment of charging stations.	120 days	Transport Department/ MCF/HSVP/ Faridabad Smart City

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ix.	Install weigh in motion bridges at the borders of cities/towns and States to prevent overloading of vehicles	180 days	Transport Department
x.	Synchronize traffic movements/Introduce intelligent traffic systems for lane-driving	180 days	Traffic Police
xi.	Installation of remote sensor based PUC system	180 days	RTA/ Transport Department

## (B) Suspension of road dust and other fugitive emissions control

### (a) Long Term Action Plan

Sr. No	Action Points	Timeframe for implementation	Action Required/ Responsible Departments
i)	Regular mechanized cleaning of roads of Faridabad to control dust emitting from the roads and road shoulders.	Ongoing Activity	MCF/HSVP will provide 10 Nos. sweeping machine required.
ii)	All the canals/nallah's side roads should be brick lined. Proper plantation also carried out.	03 Year	Irrigation Department/ Forest department

### (b) Short Term Action Plan

Sr. No.	Action Points	Timeframe for implementation	Action Required to be Taken by Responsible Departments
i.	Prepare plan for creation of green buffers along the traffic corridors. Plantation of specific types of species of plants which are helpful in pollution control.	90 days	Forest Department/MCF & Development Authorities
ii.	Maintain potholes free roads for free-flow of traffic	90 days & as regular activity afterwards.	MCF/ Development Authorities



iii.	Greening of open areas, gardens, community places, schools and housing societies	90 days	Forest Department/MCF/HSVP/ Smart City Faridabad.
iv.	Blacktopping of metalled road including pavement of road shoulders	180 days	MCF/HSVP/Smart City Faridabad.
v.	Use of treated effluent of STPs in sprinkling on roads, agriculture and for irrigation purpose.	90 days	MCF
vi.	Wall to Wall pavement for control of dust from road. Design the footpath pavement/tiles having capacity to grow grass in between.	180 days	MCF/HSVP/ Smart City Faridabad.
vii.	Water spraying on road through portable tankers on regular basis.	Regular	MCF/HSVP/ Smart City Faridabad.
viii.	Tree Plantation along with roads	Implemented and ongoing process.	MCF/HSVP/ Smart City Faridabad/ NHAI/ DFO

**(C) Control of emissions from biomass/crop residue/garbage/municipal solid waste burning**

<b>Sr. No.</b>	<b>Action Points</b>	<b>Timeframe for implementation</b>	<b>Action Required to be Taken by Responsible Departments</b>
i)	Launch extensive drive against open burning of bio-mass, crop residue, garbage, leaves, etc.	Implemented and ongoing process.	MCF/HSVP/Smart City Faridabad.
ii)	Regular check and control of burning of municipal solid wastes and use of fire extinguisher for control of fire in municipal solid waste and bio mass.	Implemented and ongoing process.	MCF/ Panchayati Raj/ HSVP/ DDPO

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iii)	Proper collection of horticulture waste (bio-mass) and its disposal following composting-cum-gardening approach	Implemented and ongoing process.	MCF/HSVP/Smart City Faridabad.
iv)	Ensure ban on burning of agriculture waste and crop residues and its implementation	Implemented and ongoing process.	Agriculture Department and Haryana State Pollution Control Board
v)	Door to Door collection of segregated waste by agency and then its disposal directly in plant without dumping it on land.	Implemented and ongoing process.	MCF
vi)	Establishment of composting pits in Parks/ residential societies etc. for management of biodegradable waste.	90 days	MCF/HSVP

## (D) Control of Industrial emissions

### (a) Long Term Action Plan

Sr. No.	Action Points	Timeframe for implementation	Action Required to be Taken by Responsible Departments
i)	Conversion of natural draft brick kilns to induced draft using zigzag technique in a phased manner.	Implemented	Haryana State Pollution Control Board
ii)	Installation of appropriate air pollution control devices in units/industries.	Implemented and ongoing process	Haryana State Pollution Control Board
iii)	Regular inspection of all the industries to check the compliance of emission norms.	Ongoing process	Haryana State Pollution Control Board
iv)	Only cleaner fuel consumption is mandatory to establish new industries i.e. Natural Gas (PNG/CNG), Liquefied Petroleum Gas, Bio-Gas Propane, Butane, etc.	Implemented & Ongoing	Haryana State Pollution Control Board
v)	Regular Monitoring of DG sets in industrial area and action against violations.	Ongoing process	Haryana State Pollution Control Board

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iv)	Manual ambient Air Quality Monitoring during Diwali period in residential and commercial area for Air Quality Management.	Regularly implemented	Haryana State Pollution Control Board
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**(b) Short Term Action Plan**

<b>Sr. No.</b>	<b>Action Points</b>	<b>Timeframe for implementation</b>	<b>Action Required to be Taken by Responsible Departments</b>
i)	Identification of brick kilns and their regular monitoring including use of designated fuel, and closure of unauthorized units	Implemented and ongoing process	Haryana State Pollution Control Board
ii)	Monitoring of industrial emission including real time online monitoring through OCEMS (Online Continuous Emission Monitoring System) and live camera feed and to take action against non-complying industrial units	Implemented and ongoing process	Haryana State Pollution Control Board
iii)	Installation of web cams and OCEMS in Grossly Polluting Industries.	Implemented and ongoing process	Haryana State Pollution Control Board
iv)	Strict enforcement against illegal use of such fuels, including fuels which do not have specifications laid down or are included in the acceptable fuels as mandated by Haryana State Pollution Control Board.	Ongoing process	Haryana State Pollution Control Board
v)	Night patrolling during winter season in industrial areas to ensure no illegal fuel burning takes place.	Ongoing process	Haryana State Pollution Control Board

**(E) Control of air pollution from constructions and demolition activities**

<b>Sr. No.</b>	<b>Action Points</b>	<b>Timeframe for implementation</b>	<b>Action Required to be Taken by Responsible Departments</b>
i)	Enforcement of Construction & Demolition Rules 2016. Fine should be imposed on defaulting units.	Regular activity	Urban Development/Development Authorities
ii)	Control measures for fugitive emissions from material handling, conveying and screening operations through water sprinkling, curtains, barriers and dust suppression units;	Regular activity	Urban Development/Development Authorities
iii)	Ensure carriage of construction material in closed/covered vessels	Regular activity	Development authorities/Regional Transport Department
iv)	Builders should leave 33% area for green belt in residential colonies. Plantation should be done as per Office order No.	Within a reasonable timeframe	Urban Development/Development Authorities/ housing companies
v)	Construction and Building required Environmental Clearance in case of the projects covered under, EIA Notification dated 14.09.2006 have to installed Anti Smog Gun during construction phase.	Implemented and ongoing process	HSVP/MCF/HSPCB
vi)	All construction areas must be covered to avoid dispersion of particulate matter.	Ongoing process	MCF/Development Authorities

**(F) Other Steps to control Air Pollution****(a) Long Term Action Plan**

<b>Sr. No.</b>	<b>Action Points</b>	<b>Timeframe for implementation</b>	<b>Action Required to be Taken by Responsible Departments</b>
i)	Dead Bodies of Animals should be disposed through proper treatment facility like rendering plant etc.	01 Year	MCF
ii)	Installation of Online Monitoring Devices on Air & Water polluting units for regular compliance.	01 Year	Haryana State Pollution Control Board

**(b) Short Term Action Plan**

<b>Sr. No.</b>	<b>Action Points</b>	<b>Timeframe for implementation</b>	<b>Action Required to be Taken by Responsible Departments</b>
i)	Use of retrofitted emissions control Equipment in the DG sets installed by societies, colonies, industries, commercial buildings, shopping malls etc. with a minimum specified PM capturing efficiency of at least 70%, type approved by one of the five CPCB recognized labs	01 Year	CPCB/ Haryana State Pollution Control Board
ii)	Establish an Air Quality Management Division at SPCB/PCC Head Quarters to oversee air quality management activities in the State and interact with CPCB	Implemented	Haryana State Pollution Control Board
iii)	Complete ban on CTE to new Tyre pyrolysis plants throughout the State	Implemented	Haryana State Pollution Control Board
iv)	Engage with concerned authorities on continual basis for maximizing coverage of LPG/PNG for domestic and commercial cooking with target of 100% coverage	30 days	District Food and Supply Controller
v)	Monitoring of DG sets and action against violations. Fine should be imposed on defaulters.	01 year	Sub Divisional Magistrate /Haryana State Pollution Control Board
vi)	Street vendors are to be controlled strictly in respect of removing their wastes and debris before leaving the site of operation	30 days	MCF/ Development Authorities

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vii)	Complete ban on littering of streets with municipal solid wastes (MSW). Segregation & source collection at source of MSW to be implemented.	Implemented and ongoing process	MCF/ Development Authorities
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