



Haryana State Pollution Control Board

Annual Report
2015-16

The Haryana State Pollution Control Board
Acknowledges the commitments, coordination's,
Contributions and all sincere efforts of its employees
to protect, preserve and improve the quality of
environment for a safer, cleaner and greener
tomorrow.

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Introduction

The Haryana State Pollution Control Board is a statutory authority entrusted with the duty to implement environmental laws and rules within the jurisdiction of the State of Haryana. The Board ensures proper implementation of the statutes, judicial and legislative pronouncements related to environmental protection within the State. Haryana State Pollution Control Board was constituted under Water (Prevention and Control of Pollution) Act, 1974 vide Notification No. 86/(4)(iv)74/33298 dated 19.9.1974 initially for Prevention and Control of Water Pollution and maintaining or restoring wholesomeness of water. The State Pollution Control Board was also entrusted with additional responsibility of implementing the Water (Prevention and Control of Pollution) Cess Act, 1977 with a view of augmenting the resources of the State Pollution Control Boards. The State Pollution Control Board was also given additional responsibilities under Air (Prevention and Control of Pollution) Act, 1981 to take appropriate steps for preservation of quality of Air and Control of Air Pollution. The Board was subsequently given the responsibility of implementing the Environment (Protection) Act, 1986 and Rules and notifications issued thereunder.

Various Environmental Acts and Rules being implemented by the Board are given as under:-

1. The Water (Prevention and Control of Pollution) Act, 1974 and Rules made there under.
2. The Water (Prevention and Control of Pollution) Cess Act, 1977 and Rules made there under.
3. The Air (Prevention and Control of Pollution) Act, 1981 and Rules made there under.
4. The Public Liability Insurance Act, 1991 and Rules made there under.
5. The Environment (Protection) Act, 1986 and the following Rules and notifications made there under:-
 - (i) The Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2011.
 - (ii) The Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.
 - (iii) The Biomedical Waste (Management and Handling) Rules, 2011.
 - (iv) The Plastics Waste (Management and Handling) Rules, 2011.
 - (v) The Municipal Solid Waste (Management & Handling) Rules, 2000.

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- (vi) The E-waste (Management & Handling) Rules, 2011.
- (vii) The Noise Pollution (Regulation and Control) Rules, 2000.
- (viii) The Batteries (Management and Handling) Rules, 2001.
- (ix) Environment Impact Assessment Notification 2006.
- (x) Notification dated 14.09.1999 issued by MoEF&CC under EPA, 1986 regarding directions for Utilization of Fly Ash generated from coal or ignite based Thermal Power Plants.
- (xi) Notification dated 07.05.1992 issued by MoEF&CC under EPA, 1986 restricting certain activities in specified area of Aravalli Range

About Haryana State Pollution Control Board

1.2 Composition of the Board

The section 4 of the Water (Prevention and Control of Pollution) Act, 1974 and section 5 of the Air (Prevention and Control of Pollution) Act, 1981, provides the power to the State Government to constitute the State Pollution Control Board in the respective states. As per said provisions of the Act, the Board comprises of a Chairman, a Member Secretary and fifteen other members nominated by the State Government. The members of the Board include the representative of government, local authorities and state - Controlled corporations and also some persons representing the interest of agriculture, fisheries, industry or trade.

1.2.1 Chairman of the Board during the year 2015-16:

Sr. No.	Name	Period
1	Sh. Anurag Rastogi, IAS	20.02.2015 onwards

1.2.2 Official Members

1.	Director, Environment Department, Haryana SCO 1-2-3, Sector 17-D, 2nd Floor, Chandigarh	Member
2.	Director, Urban Local Bodies, SCO No. 6-7, Sector 17-B, Chandigarh.	Member
3.	Principal Chief Conservator of Forest, Haryana, Panchkula.	Member
4.	Transport Commissioner, Haryana 30-Bays Building, Chandigarh.	Member
5.	Chief Engineer, Public Health Engineering Department, Haryana, Panchkula.	Member
6.	Member Secretary, Haryana State Pollution Control Board C-11, Sector-6, Panchkula	Member Secretary

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1.2.3 Members from the Local Authorities

1. Ms. Veena Deswal, Chairperson, Zila PArishad, Jind, Member
H.No.2642 Urban Estate Jind,
2. Sh. Ashok Arora, Member
Mayor, MC, Faridabad.
3. Sh. Jitender Bhardwaj, Member
S/o Sh. Subhash Chand,
M-39, Old DLF, Near Sec-14, Gurgaon.
4. Sh. Surinder Lal Prajapat, Member
Vice Chairman, MC Dharuhera, Faridabad,
H. No. 1016, Sec-15, Faridabad.

1.2.4 Members from Agriculture, Fishery, Industry and Trade etc.

1. Sh. Tarun Yadav, Member
VPO Palawas Bohran, Tehsil Kosli, Rewari
2. Arvind Kapoor, MD, Member
Richo Auto Industries, 33 KM Stone, Delhi-Jaipur
Highway, Gurgaon.
3. Sh. Sunil Rao, Member
H.No444, Sector-3, Urban Estate, Rewari.

1.2.5 Members from Corporations and Companies

1. Managing Director, Member
Haryana Power Generation Corporation.
2. Managing Director, Member
Haryana State Industrial & Infrastructure
Developmet Corporation, Panchkula.

Staff Strength of Haryana State Pollution Control Board

Sr. No.	Name of the Post	Sanctioned Strength	Filled up	Vacant
Class-I				
1	Chairman	01	01	-
2	Member Secretary	01	01	-
3	Environmental Engineer	16	13	03
4	Scientist 'C'	06	05	01
5	District Attorney	01	01	-
Class-II				
1	Sr. Accounts Officer	01	01	-
2	Asstt. Distt. Attorney	03	02	01
3	Scientist 'B'	11	09	02
4	Asstt. Environmental Engineer	33	29	04
5	Tehsildar	01	-	01
6	Registrar	01	01	-
7	Superintendent	03	03	-
8	Private Secretary	01	01	-
Class-III				
1	Section Officer (Accounts)	01	01	-
2	Statistical Assistant	02	-	02
3	Sr. Scientific Asstt.	04	04	-
4	Jr. Scientific Asstt.	06	01	05
5	Personal Asstt.	01	01	-
6	Jr. Environmental Engineer	11	06	05
7	Sr. Scale Stenographer	03	02	01
8	Assistant	19	18	01
9	Accountant	04	02	02
10	Junior Programmer	02	02	-
11	Jr. Scale Stenographer	02	01	01
12	Accounts Clerk	02	-	02
13	Steno-Typist	13	-	13
14	Clerk	30	25	05

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15	Driver	17	12	05
16	Lab Attendent	04	03	01
Class-IV				
1	Daftri	01	01	-
2	Senior Peon	02	02	-
3	Peon	30	10	20
4	Mali-cum-Chowkidar	02	02	-
5	Field Attendant	10	05	05
6	Sweeper	01	01	-
	Total	246	166	80

Activities & Infrastructure of the Board

4.1 Mandated activities of the Board

The section 17 of the Water (Prevention and Control of Pollution) Act, 1974 and the section 17 of the Air (Prevention and Control of Pollution) Act, 1981 have clearly prescribed the legally mandated responsibilities of the State Pollution Control Boards which are summarized as below :-

- To plan comprehensive programme for the prevention, control or abatement of water and air pollution in the state and to secure the execution thereof;
- To advise the State Government on any matter concerning the prevention, control or abatement of water and air pollution;
- To collect and disseminated information relating to water and air pollution, and the prevention, control or abatement thereof;
- To encourage, conduct and participate in investigations and research relating to problems of water pollution and prevention, control or abatement of water pollution;
- To collaborate with the Central Board in organizing the training of persons engaged or to be engaged in programs relating to prevention, control or abatement of water and air pollution and to organize mass education programs relating thereto;
- To inspect sewage or trade effluent treatment works and plants installed for the treatment of sewage and trade effluents and to review plans, specifications or other data relating to plants set up for the treatment of water, works for the purification thereof and the system for the disposal of sewage or trade effluents or in connection with the grant of any consent as required by the Water Act & Air Act, or in connection with the grant of any Authorization or registration as required by the Environment (Protection) Act, 1986 and Rules made there under;
- To inspect, at all reasonable times, any control equipment, industrial plant or manufacturing process and to give, by order, such directions, to such persons as it may consider necessary to take steps for the prevention, control or abatement of air pollution;
- To inspect air pollution control area at such intervals as it may think necessary, assess the quality of air there in and take steps for the prevention, control or abatement of air pollution in such areas;
- To lay down, modify or annual effluent standards for sewage and trade effluents and for the quality of receiving waters (not being water in an inter-state stream) resulting from discharge of effluents and to classify waters of the state;

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- To lay down, in consultation with the Central Board and having regard to the standards for the quality of air laid down by the Central Board, standards for emission of air pollutants in the atmosphere from industrial plant and automobiles or for the discharge of any air pollutant into the atmosphere from any other source whatsoever not being a ship or an aircraft;
- To evolve economical and reliable methods of treatment of sewage and trade effluents having regard to the peculiar conditions of soils, climate and water resources of different regions and more specifically the prevailing flow characteristics of water in streams and wells which render it impossible to attain even the minimum degree of dilution;
- To evolve methods of utilization of sewage and suitable trade effluents in agriculture or other utilities;
- To evolve efficient methods of disposal of sewage and trade effluent on land, as are necessary on account of the predominant conditions of scant stream flows that do not provide for major part of the year the minimum degree of dilution;
- To lay down standards of treatment of sewage and trade effluents to be discharged in any particular stream by taking into account the minimum fair weather dilution available in that stream and the tolerance limits of pollution permissible in the water of the stream, after the discharge of such effluents;
- To make, vary or revoke any order for prevention, control or abatement of discharge of waste into streams or wells and requiring any person concerned to construct new systems for the disposal of sewage and trade effluents or to modify, alter or extend any such existing system or to adopt such remedial measures as are necessary to prevent control or abate water pollution;
- To lay down effluent standards to be complied with by persons while causing discharge of sewage or sullage or both, and to lay down, modify or annual effluent standards for the sewage and trade effluent;
- To advice the State Government with respect to the suitability of the any premises or location of any industry, which is likely to cause air pollution or likely to pollute a stream or well;
- To perform such other functions as may be prescribed or as may, from time to time, be entrusted to it by the Central Board or the State Government; and
- To do such other things and to perform such other acts as it may think necessary for the proper discharge of its functions and generally for the purpose of carrying into effect the purpose of the Air Act.

Although the Board's primary responsibility is to implement the environmental regulations within the state of Haryana, but during the last decade there has been a paradigm shift in the concept of implementing Environmental Regulations with a judicious mix of command and control regime with economic instruments for controlling pollution, as also, solving various long standing environmental issues through consensus where the Board went beyond it's

mandated activities and acted as a promoter, providing assistance for controlling pollution in Government Department's projects.

4.2 Infrastructure of the Board

The Board is headed by a Chairman with its head quarters at Panchkula. There are 12 Regional offices of the Board in the State, located at Dharuhera, Ballabgarh, Gurgaon, Manesar, Faridabad (2 nos.), Bahadurgarh, Sonapat, Panipat, Panchkula, Hisar, Yamuna Nagar & Jind. The Board has established four laboratories at Panchkula, Gurgaon, Faridabad, & Hisar for carrying out the work for analysis of different types of samples of effluent/ water and air emissions of various industries/projects as well as water bodies and ambient air quality.

4.3 Functional Structure of the Board

The Board functions through its Engineering wing, scientific wing, Legal Wing, Administration wing, Accounts wing and Information Technology Cell. The Engineering wing is headed by Environmental Engineers and is mainly involved in implementing various environmental statutes in the State of Haryana including monitoring work and redressing public complaints.

The Scientific wing, headed by Scientists, is looking after the Board's four Laboratories and is also involved in various environmental monitoring projects as well in the implementing various Environmental statutes.

The Legal wing, headed by the District Attorney, is looking after the legal aspects and representing the Board at different Courts of law.

The Administrative wing is managing the administrative and personal matters of the employees of the Board.

The Accounts wing manages the accounts and finance related matters of the Board.

Action Plans / Projects for Abatement of Pollution

5.1 Status of implementation of Action plan for critically polluted areas of Panipat & Faridabad

Ministry of Environment & Forest, Govt. of India got carried out the study of 88 industrial clusters in the country during the year 2009 to find out the status about pollution level of these clusters. The study was carried out by Central Pollution Control Board (CPCB) and IIT Delhi and out of 88 clusters, Panipat Municipal Area and Faridabad Industrial Clusters were identified as Critically Polluted areas based on the Comprehensive Environmental Pollution Index score. The Ministry of Environment of Forest directed respective State Pollution Control Boards to prepare the action plan for improving the Environment quality of these industrial clusters. Accordingly Haryana State Pollution Control Board (HSPCB), prepared the action plan for abatement and control of pollution in Panipat and Faridabad Towns as per guideline issued by CPCB. Action plans were approved by MoEF, GOI based on inputs given by CPCB.

As suggested by CPCB, Govt. of Haryana constituted the State Level Committee under the Chairmanship of Chief Secretary to Govt. of Haryana for reviewing the progress of implementation of the Action Plans of Faridabad and Panipat Towns, vide Notification no. 16/12/2011-3E dated 30.12.2011 and also constituted District Level Committees vide Notification no. 16/12/2011-3E dated 19.01.2012 for regular follow up of implementation of action plans of critically polluted area of Faridabad and Panipat Towns. All the stake holders responsible for the implementation of Action Plans were directed for implementation of the same as per prescribed time lines. The action plans are under implementation.

HSPCB is pursuing all stake holders to implement the action plans, for abatement and control of pollution in these towns.

5.2 Shifting of Dyeing Units of Panipat from Non-conforming Area to Approved Industrial Area developed by HUDA.

The major problem of Panipat town was pollution caused by textile dyeing units located in residential and non-confirming areas. Earlier Textile dyeing units were discharging polluted effluent in Panipat drain and other drains passing through town or in Cess Pools resulting in degradation of environment and quality of ground & surface water.

Accordingly, the matter regarding shifting of dyeing units was taken up in the meeting of Environment Protection Council in the year 2001. As per the decision taken in the Environment Protection Council, Haryana Urban Development Authority was made nodal agency for planning & development of infrastructure for shifting of dyeing units from residential and non confirming areas of Panipat in approved industrial area.

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As per the survey conducted by a team of officers comprising of SDM Panipat, Regional Officer, Haryana State Pollution Control Board, Panipat and GMDIC Panipat, 494 units were identified which were located in residential and non confirming areas of Panipat, for shifting to an approved industrial Estate having common effluent treatment plant (CETP) to be developed by HUDA.

Haryana Urban Development Authority (HUDA) prepared a project and developed an industrial area in Sector-29, Part-II, Panipat for shifting of all these textile dyeing units, located in residential and non confirming areas alongwith common effluent treatment plant. Accordingly, industries covered under this project operating in residential and non confirming areas of Panipat, were persuaded to shift to Industrial Estate, Sector-29, Part-II. Haryana Urban Development Authority which has already set up one Common Effluent Treatment Plant of 21 MLD capacity. An additional CETP of 21 MLD capacity is under construction in Sector-29, Part-II, Panipat by HUDA. 357 industries have been shifted in Sector 29, Part-II, Panipat upto the end of the financial year 2015-16.

Action against the defaulting units

6.1 Closure Action

The Board is taking closure action under section 33-A of Water (Prevention & Control of Pollution) Act, 1974, under section 31-A of Air (Prevention & Control of Pollution) Act, 1981 & under section 5 of Environment (Protection) Act, 1986 against the units which are not meeting the standards prescribed under EPA Rules, 1986 for the discharge of pollutants or fail to obtain consent from the Board under Water Act, 1974/Air Act, 1981 or fail to comply with the directions issued by the Board or Government as the case may be, from time to time under different environmental Acts.

The details of Closure Orders issued against the defaulting units due to non compliance under above said Acts is given as under:-

Region	No. of units issued closure order under EP Act, 1986	No. of units issued closure order under Water Act, 1974	No. of units issued closure order under Air Act, 1981	No. of units issued closure order jointly under Water & Air Acts	Total No. units issued of closure order
Bahadurgarh	0	4	32	50	86
Ballabgarh	0	1	1	41	43
Dharuhera	0	0	27	6	33
Faridabad	0	138	37	0	175
Gurgaon (N)	0	0	5	0	5
Gurgaon (S))	0	0	21	3	24
Hisar	0	0	7	7	14
Jind	0	0	12	42	54
Panchkula	51	0	15	63	129
Panipat	0	4	3	19	26
Sonepat	0	0	0	24	24
Yamuna Nagar	0	0	0	18	18
Total	51	147	160	273	631

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6.2 Legal Action

The Board is also taking legal action under the provisions of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981 and Environment (Protection) Act, 1986 against the industrial units/projects violating the above said Acts/Rules by filing court cases in Special Environment Courts.

The status of court cases is given as under:-

(A) New Court Cases Filed :

Region	No. of units against which Court Cases filed under EP Act, 1986	No. of units against which Court Cases filed under Water Act, 1974	No. of units against which Court Cases filed under Air Act, 1981	No. of units against which Court Cases filed under Water Act, 1974 & Air Act, 1981 together
Bahadurgarh	0	0	0	0
Ballabgarh	0	0	0	5
Dharuhera	0	0	0	6
Faridabad	1	0	0	0
Gurgaon (North)	0	0	0	0
Gurgaon (South)	0	0	0	0
Hisar	0	0	9	0
Jind	2	0	0	0
Panchkula	0	0	0	0
Panipat	0	0	2	0
Sonepat	0	0	0	0
Yamuna Nagar	3	0	0	0
Total	6	0	11	11

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(B) Court Cases Decided:

Region	No. of Court Cases decided under EP Act, 1986	No. of Court Cases decided under Water Act, 1974	No. of Court Cases decided under Air Act, 1981
Bahadurgarh	0	0	2
Ballabgarh	0	1	0
Dharuhera	2	1	9
Faridabad	0	0	0
Gurgaon	26	3	0
Gurgaon (North)	0	0	0
Gurgaon (South)	0	0	0
Hisar	0	0	3
Jind	1	33	0
Panchkula	5	0	2
Panipat	3	2	1
Sonepat	1	0	0
Yamuna Nagar	3	4	0
Total	41	44	17

(C) Court Cases Pending in Special Environment Courts:-

Region	No. of Cases Pending under EP Act, 1986/ Water Act, 1974/ Air Act, 1986
Bahadurgarh	40
Ballabgarh	11
Dharuhera	26
Faridabad	1
Gurgaon (North)	139
Gurgaon (South)	0
Hisar	6
Jind	23
Panchkula	11
Panipat	13
Sonepat	8
Yamuna Nagar	13
Total	291

Grossly Polluting & Highly Polluting 17 Category Industries

7.1 Grossly Polluting Industries- GPIs

Industries discharging effluents into a water course and (a) handling hazardous substances, or (b) effluent having BOD load of 100 Kg per day or more, or (c) a combination of (a) and (b) has been categorized as grossly polluting units by Central Pollution Control Board (CPCB). In 1993-94, CPCB initiated identification of industries along the rivers to control the discharge of untreated effluent into rivers, directly or indirectly.

Directions were issued by CPCB under Section 18(1) (b) of the Water Act, 1974, to all the State Pollution Control Boards/Pollution Control Committees on July 14, 1997, for inventorization of GPIs to ensure compliance of environmental standards on priority and initiating action against defaulting Grossly Polluting Industries.

The status of Grossly Polluting Industries in Haryana as per above criteria is given as under:-

Region	No. of Grossly Polluting Industry	Status of ETP (installed/not installed)	No. of units installed online monitoring system on ETP
Bahadurgarh	65	Installed	0
Ballabgarh	120	Installed	0
Dharuhera	12	Installed	12
Faridabad	15	Installed	0
Gurgaon (North)	126	Installed	7
Gurgaon (South)	3	Installed	3
Hisar	0	-	0
Jind	10	Installed	9
Panchkula	34	Installed	7
Panipat	13	Installed	0
Sonepat	99	Installed	0
Yamuna Nagar	8	Installed	8
Total	505		46

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7.2 Highly Polluting 17 Category Industries

MoEF issued a notification on January 16, 1991 to ensure compliance of environmental standards in highly polluting industries. MoEF formulated 15 point programme for priority action.

CPCB selected 18 Categories of major polluting industries and after discussion 17 Categories of highly polluting industries were finalized for regular follow up through CPCB which are detailed as under:-

Aluminium Smelting, Basic Drugs & Pharmaceuticals Manufacturing, Chlor Alkali/ Caustic Soda, Cement, Copper Smelting, Dyes and Dye Intermediate, Distillery, Fertilizer, Integrated Iron & Steel, Leather Processing including Tanneries, Oil Refinery, Pesticide Manufacturing, Pulp & Paper, Petrochemical, Sugar, Thermal Power Plants and Zinc Smelting

The status of Highly Polluting 17 Category Industries is given as under:-

Region	No. of 17 category Industries	Status of pollution control measures Installed		No. of units installed online monitoring system	
		ETP	APCM	ETP	APCM
Bahadurgarh	26	26	26	4	5
Ballabgarh	4	4	4	3	2
Dharuhera	1	1	1	1	1
Faridabad	4	4	4	0	0
Gurgaon (North)	1	1	0	1	1
Gurgaon (South)	3	3	0	3	0
Hisar	5	5	5	3	3
Jind	7	7	7	7	7
Panchkula	9	9	9	8	8
Panipat	9	7	9	0	9
Sonepat	23	23	23	0	0
Yamuna Nagar	10	10	10	9	9
Total	102	100	98	39	45

Awareness Programmes

The awareness programmes were organised during the year 2015-16 at different places in the state of Haryana for creating awareness on various Environmental issues.

The detail of awareness programmes organised during the year 2015-16 is given Region wise as under:-

Regional Office	No. of Awareness Programmes Organised
Bahadurgarh	5
Ballabgarh	3
Dharuhera	4
Faridabad	11
Gurgaon (North)	4
Gurgaon (South)	6
Hisar	3
Jind	3
Panchkula	6
Panipat	3
Sonepat	2
Yamuna Nagar	2
Total	50

Detail of Effluent Treatment Plants & Air Pollution Control Devices, installed and modified/upgraded

9.1 Effluent Treatment Plants (ETP)/Sewage Treatment Plants (STP)

All the polluting industrial units/projects generating trade effluent and domestic effluent (more than 10 KLD) are required to install ETPs/STPs before commissioning thereafter to maintain and operate the same regularly and effectively to ensure compliance of prescribed environmental standards.

9.1.1 Detail of industrial units/projects installed new ETPs/STPs during the year 2015-16

Region	No. of Industries/ Projects Installed New ETPs/STPs
Bahadurgarh	10
Ballabgarh	8
Dharuhera	11
Faridabad	19
Gurgaon (North)	2
Gurgaon (South)	20
Hisar	16
Jind	8
Panchkula	11
Panipat	51
Sonepat	27
Yamuna Nagar	22
Total	205

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9.1.2 Detail of Industries/ Projects Modified/Upgraded ETPs/STPs during the year 2015-16

Region	No. of Industries/ Projects Modified /Upgraded ETPs/STPs
Bahadurgarh	7
Ballabgarh	3
Dharuhera	4
Faridabad	1
Gurgaon (North)	8
Gurgaon (South)	13
Hisar	8
Jind	0
Panchkula	10
Panipat	37
Sonepat	7
Yamuna Nagar	4
Total	102

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9.1.3 Sewage Treatment Plants (STPs) for the Towns and Common Effluent Treatment Plants (CETPs) for industrial clusters/estates installed during the year 2015-16

Region	No. of New STPs / CETPs installed in the Towns
Bahadurgarh	3
Ballabgarh	1
Dharuhera	0
Faridabad	1
Gurgaon (North)	0
Gurgaon (South)	4
Hisar	3
Jind	0
Panchkula	7
Panipat	4
Sonepat	8
Yamuna Nagar	10
Total	41

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9.2 Air Pollution Control Devices (APCDs)

9.2.1 All the polluting industrial units/projects having source of air emissions are required to install APCDs before commissioning thereafter to maintain and operate the same regularly and effectively for controlling the particulate matter and gaseous emissions generated from the stacks attached with the source of pollution and fugitive emissions generated from the process to ensure compliance of prescribed environmental standards.

9.2.2 Detail of Industrial units/projects installed new APCDs during the year 2015-16

Region	No. of Industries/ Projects Installed New APCDs
Bahadurgarh	20
Ballabgarh	7
Dharuhera	24
Faridabad	0
Gurgaon (North)	10
Gurgaon (South)	6
Hisar	29
Jind	47
Panchkula	12
Panipat	37
Sonepat	42
Yamuna Nagar	54
Total	288

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9.2.2 Detail of Industries Modified/Upgraded APCDs during the year 2015-16

Region	No. of Industries/ Projects Modified/Upgraded APCDs
Bahadurgarh	4
Ballabgarh	0
Dharuhera	18
Faridabad	0
Gurgaon (North)	0
Gurgaon (South)	2
Hisar	1
Jind	5
Panchkula	9
Panipat	0
Sonepat	0
Yamuna Nagar	3
Total	42

Cess Collection under Water (Prevention & Control of Pollution) Act, 1977

The Government of India has enacted the Water (Prevention and Control of Pollution) Cess Act, 1977 to provide for the levy and collection of Cess on water consumed by industries and local authorities with a view to augment the resources of the Central Pollution Control Board and the State Pollution Control Boards. The Water Cess Act, 1977 came into force with effect from 1st April, 1978. The local authorities and industries defined under section 2 and section 3 of the Act, are liable to pay the Cess at the rates prescribed in the above said Act.

During the year 2015-16 Cess amount of Rs. 59391220/- has been collected and the Region wise detail is given as under :-

Name of the Region	Cess Assessed	Cess Collection
Bahadurgarh	8387734	6331735
Ballabgarh	5444983	4710075
Dharuhera	3212551	2440383
Faridabad	4085031	4044029
Gurgaon (N)	9783282	4471879
Gurgaon (S)	12121798	2376736
Hisar	2844611	4625628
Jind	2610270	1004911
Panchkula	6378268	5092770
Panipat	11253939	12737253
Sonepat	3297607	2473896
Yamuna Nagar	9193370	9081925
Total	78613444	59391220

Note: The amount of cess collected include the cess arrears also.

Continuous Ambient Air Quality Monitoring

11.1 General

With rising of Air Pollution level across the country, revised National Ambient Air Quality standards for twelve parameters were notified in the year 2009 by the Ministry of Environment and Forests (MOEF), which include gaseous emission like sulphur dioxide, nitrogen dioxide, ozone, lead, carbon monoxide, ammonia, benzene, benzo (a), arsenic, nickel and particulate matters of size less than 10 microns and 2.5 micron etc. As per revised norms, residential, rural and industrial areas have the same standards.

The revised ambient air quality standards provide a legal framework for the control of air pollution and the protection of public health which has provision for any citizen to approach the court for better air quality. In India, these norms are governed by the Central Pollution Control Board (CPCB) and implemented by the State Pollution Control Boards/ Pollution Control Committees.

Continuous Ambient Air Quality Monitoring include installation of Fixed Continuous Ambient Air Quality Monitoring System as per CPCB/SPCB guidelines, comprising of gas and BTX analysers, dust analysers, weather monitors and associated auxiliary items including PC based data acquisition system with suitable Software to hook up with State Pollution Control Boards and Central Pollution Control Board. The Board has installed four Continuous Ambient Air Quality Monitoring Stations at Faridabad, Gurgaon, Rohtak and Panchkula and data monitored at these stations is being displayed on prominent public places and connected with the server of the Board and CPCB.

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11.2 Continuous Ambient Air Quality Monitoring Report for the year 2015-16

11.2.1 Continuous Ambient Air Quality Monitoring Station at Gurgaon

Monitoring Agency :		ENVIRONNEMENT SA INDIA PVT LTD						
Name of Station :		HSPCB, Vikas Sadn, Opp. New Court, Gurgaon						
Parameters/Units	PM ₁₀	PM _{2.5}	CO	NO	NO ₂	NO _x	O ₃	SO ₂
Months	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
Jul-15	93.57	68.11	0.97	17.65	19.15	36.57	17.50	3.88
Aug-15	105.71	47.03	0.88	12.10	22.51	33.60	18.85	2.88
Sep-15	120.65	69.95	0.83	10.30	27.08	37.45	31.47	4.28
Oct-15	153.60	75.48	0.85	5.96	24.80	30.67	23.69	3.91
Nov-15	188.81	84.40	1.49	6.05	13.22	18.73	18.38	4.54
Dec-15	*	106.44	1.49	11.46	18.58	28.85	16.42	5.05
Jan-16	*	109.99	1.23	8.83	24.31	32.89	16.57	5.76
Feb-16	*	105.70	1.40	8.96	27.97	36.93	21.55	6.20
Mar-16	*	97.25	1.82	12.55	28.85	40.56	23.84	8.87

11.2.2 Continuous Ambient Air Quality Monitoring Station at Panchkula

Monitoring Agency :		ENVIRONNEMENT SA INDIA PVT LTD						
Name of Station :		HSPCB, Head Office, C-11, Sector-6, Panchkula						
Parameters/Units	PM _{2.5}	PM ₁₀	CO	NO	NO ₂	NO _x	O ₃	SO ₂
Months	µg/m ³	µg/m ₃	mg/m ³	µg/m ₃	µg/m ₃	µg/m ₃	µg/m ₃	µg/m ₃
Apr-15	*	93.27	0.97	2.27	29.10	31.38	32.11	6.33
May-15	56.02	*	0.81	2.65	30.22	32.86	38.96	5.75
Jun-15	*	97.78	0.83	5.51	29.78	35.09	37.64	5.44
Jul-15	34.75	75.10	0.56	3.04	25.57	28.61	32.76	3.91
Aug-15	35.96	80.88	0.77	4.10	20.43	24.55	30.46	4.69
Sep-15	44.38	85.67	0.73	3.29	23.32	26.62	39.03	5.94
Oct-15	45.87	95.94	0.86	5.50	30.08	35.58	33.05	5.04
Nov-15	43.44	105.1	0.81	3.69	24.38	28.06	26.98	7.49
Dec-15	58.11	*	0.82	2.78	22.42	25.21	18.95	5.75
Jan-16	65.00	*	0.73	3.20	22.28	25.48	24.44	4.66
Feb-16	50.29	*	0.77	3.75	22.93	26.78	25.98	5.05
Mar-16	41.18	*	0.82	3.03	25.45	28.38	26.22	5.59

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11.2.3 Continuous Ambient Air Quality Monitoring Station at Bahadurgarh

Monitoring Agency :		ENVIRONNEMENT SA INDIA PVT LTD						
Name of Station :		MD University, Rohtak, Bahadurgarh						
Parameters/Units	PM₁₀	PM_{2.5}	CO	NO	NO₂	NO_x	O₃	SO₂
Months	µg/m³	µg/m³	mg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
Apr-15	95.71	*	0.62	9.88	28.10	38.05	27.38	3.87
May-15	*	52.13	0.99	7.46	24.91	32.29	18.50	2.43
Jun-15	95.75	*	0.60	6.91	18.99	25.90	24.41	2.66
Jul-15	72.56	54.46	0.62	9.14	29.10	38.24	18.25	2.55
Aug-15	83.40	36.64	0.83	9.42	26.65	35.92	21.02	2.30
Sep-15	100.13	47.80	0.75	2.71	24.52	27.23	34.55	4.16
Oct-15	89.01	50.80	0.55	4.47	21.65	26.09	25.52	2.89
Nov-15	102.87	57.09	0.97	4.84	20.24	25.05	18.64	3.80
Dec-15	*	73.15	0.93	5.85	25.22	31.07	18.93	3.64
Jan-16	*	61.42	0.74	9.35	23.09	32.41	20.26	3.94
Feb-16	*	68.27	0.98	9.79	21.59	31.38	20.17	4.55
Mar-16	*	55.91	1.15	10.69	23.01	33.70	18.65	4.76

11.2.4 Continuous Ambient Air Quality Monitoring Station at Faridabad

Monitoring Agency :	ENVIROTECH ONLINE EQUIPMENT PVT. LTD.							
Name of Station :	HSPCB, Sector-16-A, Faridabad							
Parameters/Units	CO	SO₂	NO	NO₂	NO_x	O₃	PM₁₀	PM_{2.5}
Months	mg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
Apr-15	1.33	14.09	17.77	52.68	70.46	49.05	199.47	85.21
May-15	0.96	7.85	18.17	56.03	74.15	42.07	284	79
Jun-15	1.13	4.52	10.73	41.2	51.93	35.48	-	56
Jul-15	0.81	4.8	10.08	20.79	30.86	19.81	-	33
Aug-15	0.82	4.6	9.14	22.77	31.95	12.33	-	37
Sep-15	N/A	6.55	16.63	33.35	49.84	24.85	-	50.4
Oct-15	N/A	8.53	38.81	69.25	108	29.19	-	108.3
Nov-15	N/A	9.5	129	103	232	23	,-	185.5
Dec-15	N/A	9.9	61.94	70.9	132.83	19.84	-	202.9
Jan-16	N/A	18.3	62.1	72.7	134.3	18.4	N/A	258
Feb-16	N/A	31.03	46.73	76.93	121.9	26.17	N/A	128
Mar-16	1.2	31.5	31.2	43.3	74.8	29.7	-	96.6

CHAPTER-12

Consent under Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981

12.1 Categorization of industrial units/projects under Red, Orange and Green categories.

The Board has categorized the industrial sectors/projects under Red, Orange and Green categories for the purpose of Consent Management under Water Act, 1974 & Air Act, 1981 on the basis of direction issued by Central Pollution Control Board. Red and Orange category of industries/projects were covered under consent management whereas Green category of the industries/projects were exempted from consent management in view of less pollution potential in Green category of industries. However green category units/projects were required to provide the pollution control devices wherever required and to comply with standards prescribed for discharge of pollutants under Environment (Protection) Rules, 1986.

The status of industries/projects covered under Red and Orange category is given as under:-

Region	Red	Orange	Total
Bahadurgarh	384	798	1182
Ballabgarh	568	425	993
Dharuhera	231	407	638
Faridabad	349	114	463
Gurgaon (N)	405	408	813
Gurgaon (S)	398	357	755
Hisar	193	659	852
Jind	443	517	960
Panchkula	316	574	890
Panipat	440	143	583
Sonepat	301	489	790
Yamuna Nagar	580	627	1207
Total	4608	5518	10126

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12.2 Consent to Establish under water Act, 1974 & Air Act, 1981.

All the industrial units/project covered under Red and Orange category require prior consent to establish from the Board for their establishment or any extension or addition thereto.

The status of Consent to Establish under Water Act, 1974 & Air Act, 1981 is given as under:-

Region	Applications pending as on 31.03.2015	Applications received during 2015-16	Total Applications received	Decided		Pending	
				Granted	Refused	Under SCN	Pending for decision
Bahadurgarh	2	106	108	96	12	0	0
Ballabgarh	0	101	101	78	23	0	0
Dharuhera	0	113	113	85	28	0	0
Faridabad	0	51	51	40	11	0	0
Gurgaon (N)	0	169	169	147	20	0	2
Gurgaon (S)	0	146	146	118	28	0	0
Hisar	0	36	36	29	7	0	0
Jind	0	84	84	64	20	0	0
Panchkula	0	62	62	47	15	0	0
Panipat	16	118	134	104	27	0	3
Sonepat	35	184	219	153	66	0	0
Yamuna Nagar	0	124	124	104	20	0	0
Total	53	1294	1347	1065	277	0	5

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12.3 Consent to Operate under water Act, 1974 & Air Act, 1981.

All the industrial units/projects covered under Red and Orange category require prior consent to operate from the Board before starting even trial production and renewal of consent to operate before expiry of previous consent.

The status of Consent to Operate under water Act, 1974 & Air Act, 1981 is given as under:-

Region	Total No of units covered under consent Management	Applied	Granted	Refused	Pending for decision
Bahadurgarh	1182	1182	1123	34	25
Ballabgarh	993	993	967	26	0
Dharuhera	638	446	438	8	0
Faridabad	463	463	456	7	0
Gurgaon (N)	813	410	385	11	14
Gurgaon (S)	741	738	709	29	0
Hisar	912	834	812	22	0
Jind	928	902	887	15	0
Panchkula	890	890	817	48	25
Panipat	584	584	554	30	0
Sonepat	1081	1081	1048	33	0
Yamuna Nagar	1207	1207	1184	23	0
Total	10432	9730	9380	286	64

CHAPTER 13

Hazardous Waste (Management, Handling & Trans-boundry Movement) Rules, 2008

13.1 Authorization under Hazardous Waste (Management, Handling & Trans-boundry Movement) Rules, 2008

All the industrial units/projects covered under Hazardous Waste (Management, Handling & Trans-boundry Movement) Rules, 2008 require authorization from the Board.

The status of authorization under under Hazardous Waste (Management, Handling & Trans-boundry Movement) Rules, 2008 is given as under:-

Region	Total units covered under HWM Rules	Applied	Granted	Refused	Pending for decision
Bahadurgarh	254	254	234	6	14
Ballabgarh	317	317	308	9	0
Dharuhera	173	173	173	0	0
Faridabad	227	227	224	3	0
Gurgaon North	536	281	266	3	12
Gurgaon South	622	621	615	6	0
Hisar	85	85	84	1	0
Jind	29	29	27	2	0
Panchkula	134	128	121	7	0
Panipat	362	362	339	23	0
Sonepat	345	345	334	11	0
Yamuna Nagar	243	243	236	7	0
Total	3327	3065	2961	78	26

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13.2 Status of units registered with the Board for Recycling / Re-processing of Hazardous waste.

Region	No. of units registered
Bahadurgarh	29
Ballabgarh	0
Dharuhera	2
Faridabad	0
Gurgaon (North)	1
Gurgaon (South)	0
Hisar	0
Jind	0
Panchkula	0
Panipat	1
Sonepat	0
Yamuna Nagar	11
Total	44

13.3 Status of units registered as Traders for import of Hazardous waste listed in Part-D of Schedule-III on behalf of the Actual users under Hazardous Waste (MH&TM) Rules, 2008.

Every trader desirous of import of other wastes such as Metal scrap, paper waste etc. as listed in Part D of Schedule III of Hazardous Waste (MH&TM) Rules, 2008, may make an application in Form 16 to the State Pollution Control Board for their registration which is granted on one time basis and the registered traders are required to submit details of such imports and particulars of the actual users along with quantities to the concerned State Pollution Control Board or Pollution Control Committees on a quarterly basis.

The status of registration granted to such traders desirous of import of other wastes on behalf of actual user(s), during this year under the above said rules is given as under:-

Region	No. of units registered as Traders for import of other waste listed in Part-D of Schedule-III on behalf of the Actual users
Bahadurgarh	10
Panchkula	2
Sonepat	5
Yamuna Nagar	16
Total	33

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13.4 Status regarding Receipt and disposal of Hazardous waste in TSDF :

A common Hazardous Waste Treatment & Disposal Facility has been developed at Pali, District Faridabad by Haryana Environment Management Society with the assistance of State Govt. and this Board which is being operated by M/s Gujarat Enviro Protection and Infrastructure (Haryana) (P) Ltd.

Waste Processing capacity of the facility is 25000 MT per annum including disposal in secured landfill and incineration having incinerator capacity of 12 to 14 tons per day

The detail of Hazardous Waste received, processed and disposed during the year 2015-16 at the facility is given as under:-

Description of hazardous waste		Quantity in MT
Quantity in Stock at the beginning of the year	Landfillable	151.98
	Incinerable	2034
Quantity of Hazardous Waste Received	For Direct secured Landfill	7363.2
	For secured Landfill after treatment	952.51
	For Incineration	16878
Quantity of Hazardous Waste Disposed	Quantity Landfilled directly	7363.2
	Quantity Landfilled after treatment	1103.426
	Quantity Incinerated	3655.8
	Moisture & Other	6473.53
Quantity Pre-Processed for Utilization as resource		445.515
Quantity in Stock at the end of the year	Landfillable	1.055
	Incinerable	8336.9

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13.5 Annual Report under Hazardous Waste Management Rules.

The Annual Report for the year 2015-16 under under Hazardous Waste (M&TM) Rules, 2008 showing detail of Hazardous waste generated, recycled, utilized and disposed, is given as under:-

Name of the District	Number of HW Generating Industry	Quantity of Hazardous Waste as per authorization (MTA)	Quantity of Hazardous Waste Generated as per Annual Return (MTA)	Quantity Disposed in Captive SLF (MT)	Quantity Disposed through Common SLF at TSDF (MT)	Quantity Disposed by Captive Incinerator (MT)	Quantity Disposed through Common Incinerator at TSDF (MT)	Quantity Co-processed in Cement Kiln (MT)	Quantity Utilized under Rule 9 (MT)	Quantity sent to Recyclers of Schedule-IV Hazardous Wastes (MT)	Captive Utilization (MT)	Quantity of HW stored at Occupier premise at the end of the year (MT)
1	2	3	4	5	6	7	8	9	10	11	12	13
Yamuna Nagar	150	5305.14	4906.12	0	79.03	0	5.60	0	0	1133.73	0	3687.76
Karnal	83	1486.60	1286.80	0	28.12	0	3.30	0	0	282.05	0	973.34
Panipat	365	9770.916	9770.916	228.78	564.53	0	0	0	5298.88	4.75	545	3128.973
Gurgaon	630	8612.815	7480.7	0	4160	28.47	320.1	0	0	2180	0	792.13
Rewari	166	3388.63	3388.4	0	3016.5	321.89	0	0	0	50.01	0	0
Mohinder garh	5	1.36	1.36	0	1.36	0	0	0	0	0	0	0
Sonepat	345	1090.083	830.24	0	487.25	53.33	174.815	0	0	87.903	0	26.942
Faridabad	227	2089.2	2089.2	0	1136.31	0	0	0	0	35	0	917.89
Jind	13	10.421	6.903	0	4.264	0	0	0	0	1.389	0	1.25
Bhiwani	12	22.132	12.132	0	8.969	0	0	0	0	2.068	0	1.095
Kaithal	5	1.192	1.192	0	1.003	0	0	0	0	0	0	0.178
Panchkula	134	2463.65	2148.3	0	850.93	0	395.4	0	0	3.68	0	898.29
Gurgaon	535	19016.43	19016.432	325	956.04	911.4	7375.66	7813.662	0	1317.67	0	317
Hisar	62	1393.337	1334.821	0	170.68	0	4.52	0	0	1158.92	0	0
Fatehabad	5	17.33	17.33	0	16.2	0	0.03	0	0	1.1	0	0
Sirsa	18	41.885	41.885	0	36.38	0	4.1	0	0	1.4	0	0
Faridabad	248	3700.98	3700.98	0	2620.21	0	74.84	0	0	263.07	0	742.85
Jhajjar	168	3849.745	3849.745	0	1974.96	1820.06	0	0	0	54.73	0	0
Rohtak	86	1753.351	1753.351	0	1036.521	576.55	0	0	0	140.28	0	0
Total	3257	64015.20	61636.807	553.78	17149	3711.7	8358.37	7813.662	5298.9	6717.75	545	11488

E-Waste (Management & Handling) Rules, 2011

14.1 General

The E-waste (Management & Handling) Rules, 2011 have been notified by Ministry of Environment, Forest & Climate Change, Govt. of India with primary objective to channelize the E-waste generated in the country for environmentally sound recycling which is largely controlled by the un-organized sector who are adopting crude practices that results into higher pollution and less recovery, thereby causing wastages of precious resources and damage to environment.

Electronic waste or e-waste may be defined as discarded computers, office electronic equipment, entertainment device electronics, mobile phones, television sets, and refrigerators. This includes used electronics which are destined for reuse, resale, salvage, recycling, or disposal as well as re-usables (working and repairable electronics) and secondary scraps (copper, steel, plastic, etc.). Broadly, it consists of ferrous and non-ferrous metals, plastics, glass, wood and plywood, printed circuit boards, ceramics, rubber and other items. The presence of elements like lead, mercury, arsenic, cadmium, selenium, hexavalent chromium, and flame retardants beyond threshold quantities make e-waste hazardous in nature.

The management of e-waste consists of collection, segregation, refurbishing, dismantling and recycling for recovery of metals, plastic and glass material from the e-waste. The Central Pollution Control Board has issued the guidelines for environmentally sound collection, processing, dismantling and recycling of e-waste. The dismantlers and recyclers of e-wastes are required to register their units with state pollution control Boards.

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14.2 List of units registered as recycler/dismantler of e-waste during year 2015-16

Sr. No	Name and Address of the Unit	Activity Recycling/ dismantling	Quantity of E-Waste	Validity
1.	E-waste solutions industrial solution, shed-1a, industrial estate, sec—6 , faridabad	Dismantling	1000 MT/Annum	06.08.2016
2.	M/s Namo E Waste Management Ltd, 14/1, MR, Faridabad	Recycling	5796 MT/Annum	29.06.2017
3.	Giriraj metal, p. No. 39, hsiidc, rohtak.	Dismantling	2000 MT/Annum	30.06.2015
4.	Earth waste management (p) ltd, vill-ismaila, distt. Rohtak	Dismantling	600 MT/Annum	30.06.2015
5.	Green world international (p) ltd, oia, b/garh	Recycler	5000 MT/Annum	09.01.2016
6.	R.k. Sons enterprises (p) ltd. Vill-lohari, distt. Jhajjar	Dismantling	14640 MT/Annum	27.03.2016
7.	Green Vortex Waste Management Pvt. Ltd., plot no. 179, Sector - 7, IMT Manesar, Gurgaon	Dismantling	1500 MT/Annum	04.05.2019
8.	3R Recycler, Plot No. 266, Sector - 8, IMT Manesar, Gurgaon	Dismantling	1800 MT/Annum	29.05.2015
9.	Earth sense recycle pvt. Ltd., plot no. - 100, sector - 5, imt manesar, gurgaon	Dismantling	2160 MT/Annum	07.01.2017
10.	Sms enterprises, plot no. 544-d, first floor, sector -37, pace city - ii, gurgaon (haryana)	Dismantling	360 MT/Annum	24.08.2016
11.	Exigo recycling pvt. Ltd., g.t. Road, samalkha, panipat	Dismantling & recycling	5940 MT/Annum	17.09.2015

CHAPTER 15

Bio-Medical Waste (Management & Handling) Rules, 2011

15.1 General

Bio-medical Waste (Management & Handling) Rules, 2011 were notified by the Ministry of Environment & Forests (MoEF) under the Environment (Protection) Act, 1986. These rules apply to all persons who generate, collect, receive, store, transport, treat, dispose or handle bio-medical waste in any form. The 'prescribed authority' for enforcement of the provisions of these rules in respect of all the health care facilities located in State is State Pollution Control Board.

15.2 The status of Authorization under Bio Medical Waste (Management & Handling) Rules, 2011

Region	Applied	Granted	Pending	Refused
Bahadurgarh	259	258	0	1
Ballabgarh	189	189	0	0
Dharuhera	165	165	0	0
Faridabad	215	215	0	0
Gurgaon (N)	349	349	0	0
Gurgaon (S)	48	48	0	0
Hisar	436	436	0	0
Jind	337	337	0	0
Panchkula	384	384	0	0
Panipat	139	139	0	0
Sonepat	173	173	0	0
Yamuna Nagar	317	317	0	0
Total	3011	3010	0	1

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15.3 Detail of service providers authorized under Bio Medical Waste (M & H) Rules 2011 for treatment & disposal of Bio Medical Waste in Common Waste Treatment & Disposal Facility

The list of service providers authorized under under Bio Medical Waste (M & H) Rules 2011 is given as under:-

Region	Sr. No.	Name & Address of the Unit	Capacity
Panchkula	1.	M/s Ess Kay Hygenic, Vill Bagwala, Panchkula, Mob:- 09466100061	300 Kg/hour
	2.	M/s Rudraksh Enviro Care, Vill. Bhodog, Naraingarh, Ambala	300 Kg/hour
Jind	3.	Divya Waste management Co., Vill. Kandela, Jind	100 Kg/hour
	4.	Maruti Bio Medical Waste Plant, Hatempura, Bhiwani	100 Kg/hour
Yamuna Nagar	5.	M/s HAAT Supreme Wastech Private Limited, Village Bazida Jattan, Near Rly Crossing, Karnal	600 Kg/hr
Faridabad	6.	M/s Golden Eagle Waste Management Co., Village-Jasana, Faridabad	100kg/hour
Bahadurgarh	7.	M/s S.D. Bio Medical Waste Management Co. Vill-Baland, Distt. Rohtak	250 Kg/day
Gurgaon (N)	8.	M/s Vulcan Waste Management Pvt. Ltd. Vill. Bhondsi Gurgaon	3600 Kg/Day
Hisar	9.	Synergy Waste Management Pvt. Ltd., 168, Sec-27-28, HUDA Ind. Area, Hisar	155612.96 Kg/Year
	10.	Surya Waste Management, Sahuwala Road, Vill. Chadiwal, Distt. Sirsa	28610.550 Kg/Year
	11.	Invision Enviro Services, Vill. Phulkan, Distt. Sirsa	51138.90 Kg/Year

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15.4 The status of Bio Medical Waste Management Scenario

Region	Total Waste Generation (Kg/day)	Incinerable	Recyclable	Disposable in secured landfill/deep burial/sanitary landfill	Total waste collected (Kg/day)	Total waste treated and Disposed (Kg/day)
Bahadurgarh	493	375	118	0	493	493
Ballabgarh	1674	811	863	0	1674	1674
Dharuhera	199	120	79	0	199	199
Faridabad	413	406	7	0	413	413
Gurgaon (N)	3328	1823	1505	0	3328	3328
Gurgaon (S)	97.3	82.3	15	0	97.3	97.3
Hisar	1006	774	232	0	1006	1006
Jind	662	579	83	0	662	662
Panchkula	1217	1038	179	0	1217	1217
Panipat	250.39	212.39	38	0	250.39	250.39
Sonepat	402	184	218	0	402	402
Yamuna Nagar	367	330	37	0	367	367
Total	10108.69	6734.69	3364	0	10108.69	10108.69

Batteries (M & H) Rules, 2001

16.1 General

Battery means lead acid battery which is a source of electrical energy and contains lead metal. These rules apply to every manufacturer, importer, re-conditioner, assembler, dealer, recycler, auctioneer, consumer and bulk consumer involved in manufacture, processing, sale, purchase and use of batteries or components thereof.

16.2 The status of dealers registered under Batteries (M & H) Rules, 2001

Region	Number of Units
Bahadurgarh	45
Ballabgarh	29
Dharuhera	31
Faridabad	11
Gurgaon (N)	9
Gurgaon (S)	0
Hisar	0
Jind	4
Panchkula	0
Panipat	1
Sonepat	13
Yamuna Nagar	0
Total	143

Plastic Waste(Management and Handling) Rules, 2011

17.1 General

Plastic has multiple uses and the physical and chemical properties lead to commercial success. However, the indiscriminate disposal of plastic has become a major threat to the environment. In particular, the plastic carry bags are the biggest contributors of littered waste and every year, millions of plastic bags end up in to the environment vis-a-vis soil, water bodies, water courses, etc and it takes an average of one thousand years to decompose completely. Therefore, to address the issue of scientific plastic waste management, the Plastic Waste (Management and Handling) Rules, 2011 were notified by Ministry of Environment, Forest & Climate Change, Govt. of India, which included plastic waste management.

17.2 Status of implementation of Plastic Waste (Management and Handling) Rules, 2011

Sr. no.	Description	Details and quantity in TPA	
1	Estimated plastic waste generation tons per Annum	19609504.06	
2	No. of Plastic manufacturing units (including multilayer, compostable plastic units).	Plastic units	52
		Compostable plastic units	NA
		Multilayer Plastic units	8
3	Separate Act/Notification issued, if any for management of plastic waste in the state	Urban Local Body Deptt. Haryana Govt. notification dated 20.08.2013 imposed complete ban on the manufacture, sale, distribution, stocking, transportation and use of virgin and recycled plastic carry bags and recycled plastic containers used for storing food stuffs.	
4	No. of violators against which action taken for non-compliance of provisions of Notification dated 20.08.2013 issued by Urban Local Bodies Deptt. Haryana.	103	

Training Programmes

18.1 Detail of Training Programmes / Workshops Attended by Officers / Officials of the Board during the year 2015-16

Sr. No.	Training Titles	Schedule	Training Institute	Name of the Officers/officials attended training
1.	Environmental Impact Assessment – Methods and Procedures.	28-30 September, 2015	ESCI, Hyderabad	Sh. Dinesh Kumar, AEE, Regional Office, Ballabgarh Region.
2.	Environmental Legislation, Interpretation, Enforcement, Legal and Statutory Requirement Case Studies	08-12 February, 2016	NLSIU, Bangalore	Sh. Dinesh Kumar, Sr. Scientist(HQ)
3.	Four R's- Reduce, Reuse, Recycle and Recover – Case studies.	05-07, January 2016	VSI, Pune	Sh. Rajinder Singh, JEE, Regional Office, Panipat Region
4.	Laboratory Quality system, Management and Internal Audit as per ISO/IEC 17025:2005	14-18, Dec, 2015	NITS- Noida	Smt. Neeraj Bala, JSA, Faridabad Laboratory, Faridabad
5.	Municipal Solid Waste Management- Collection, Transportation and disposal	07-09, Dec, 2015	IWM- Bhopal	Sh. Kuldeep Singh, EE, Regional Office, Faridabad.
6.	Source Emission Monitoring for Parameters Notified under Source Emission	02-04, Dec, 2015	PCRI, Haridwar	Sh. Narender Hooda, JSA, Faridabad Laboratory, Faridabad.
7.	National Ambient Noise Monitoring Network- Desin, Implementation and Control Technique	08-10, Feb, 2016	IIT- Roorkee	Sh. Virender Poonia, AEE, Regional office, Yamunanagar
8.	Ambient Air and Stack Monitoring Technique- Hands-on- Training	15-17, Feb, 2016	IITR, Lucknow	Sh. Sandeep Singh, AEE, Regional Office, Sonapat.
9.	Recent Trends in Environment Monitoring and Control Strategies in	26-28, Nov, 2015	IIT- Roorkee	Sh. Shailander Arora, AEE, Regional Office,

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	Petroleum and Petrochemical Industries, References.			Faridabad
10.	Vehicular Emission and Exhaust Monitoring (Receptor and Dispersion Modeling).	23-27, Nov, 2015	TERI, Delhi	Smt. Meeta Sareen, Scientist B, Gurgaon Laboratory, Gurgaon.
11.	Climate Change Vulnerabilities and Adaptation Strategies	08-12, February, 2016	ICFRE, Dehradun	Sh. Rajesh Garhia, Scientist 'C' (HQ)
12.	Office Automation Tools-Computer Training on MS Word, MS Excel, MS Power Point and Internet	12-16, Oct, 2015	HIPA	Sh. Shambhu Parshad, Clerk(HQ)
13.	One day workshop on Right to Information Act, 2005	21, Oct, 2015	HIPA	Sh. Vinay Gautam, AEE(HQ)
14.	Developing effective communication skill through noting drafting	2-6, Nov, 2015	HIPA	Smt. Rajinder Kaur, Assistant (HQ)
15.	Haryana Litigation Policy, 2010 Handling of Court Cases-Codal Provisions & Govt. Instruction	9-10 Nov, 2015	HIPA	Smt. Rashima Rani, Assistant(HQ)
16.	Transparency in Administration: <ul style="list-style-type: none"> • Right to information Act for SPIOs/ASPIOs • Management of Information System • Cataloguing Indexing & Management of Record 	18 Nov, 2015	HIPA	Sh. Devraj Sharma, Superintendent(HQ)
17.	Duties & Function for promoted/regularized clerks	16-20 Nov, 2015	HIPA	Smt. Rani Bhatnagar, Clerk(HQ)
18.	Capacity Building of Inquiry Officers & Presenting Officers-Procedures & Rules	2-3 Dec, 2015	HIPA	Sh. Vikas Chand, AEE(HQ)

Redressal of Public Complaints

19.1 Status of Public Compliants Received and Disposed off during the year 2015-16

Region	No of Compliants Received through			No of Compliants disposed off		
	Hard Copy	CM Window Portal	Total	Hard Copy	CM Window Portal	Total
Bahadurgarh	73	39	112	73	39	112
Ballabgarh	66	10	76	66	10	76
Dharuhera	58	16	74	58	16	74
Faridabad	0	0	0	0	0	0
Gurgaon (North)	72	6	78	72	6	78
Gurgaon (South)	13	0	13	13	0	13
Hisar	23	14	37	23	14	37
Jind	3	29	32	3	29	32
Panchkula	142	4	146	142	4	146
Panipat	34	1	35	34	1	35
Sonepat	17	9	26	17	9	26
Yamuna Nagar	21	55	76	21	55	76
Total	522	183	705	522	183	705

Public Hearing under EIA Notification Dated 14.9.2006

20.1 General

Public hearings are held as part of the public inquiry process required under EIA Notification Dated 14.9.2006. This provides interested parties with the opportunity to explain on written submissions and to discuss, inquire issues in a public forum. The person present at the venue are granted the opportunity to seek information or clarification of the project from the project proponents requiring environmental clearance and all the views and concerns expressed by the participants are recorded and reflected in the proceedings of the Public Hearing which are considered by the Authorities while deciding the cases of Environmental Clearance to the project proponents under EIA Notification dated 14.09.2006.

Any organisation or person can participate in the process of public hearing, either to speak to a submission or simply to observe the proceedings.

20.2 Details of the Public Hearings organized by the Board

Name of the Region	Number of projects where public Hearing organized
Dharuhera	1
Gurgaon (S)	1
Panchkula	2
Sonepat	15
Yamuna Nagar	8
Total	27

Right To Information Act, 2005

21.1 General

The Right to Information Act (RTI) requires every public authority to computerise their records for wide dissemination and to proactively certain categories of information so that the citizens need minimum recourse to request for information formally.

The HSPCB has provided relevant informations on the website of the Board i.e. www.hspcb.gov.in in compliance of section 4 of RTI Act, 2005.

21.2 Details of Applications received and disposed

(i) By Regional Offices of the Board

Name of Regional office	No. of applications		
	Received	Disposed off	Under Process
Bahadurgarh	19	19	0
Ballabgarh	11	11	0
Dharuhera	21	21	0
Faridabad	64	64	0
Gurgaon (N)	37	37	0
Gurgaon (S)	30	30	0
Hisar	54	54	0
Jind	17	17	0
Panchkula	99	97	2
Panipat	72	72	0
Sonepat	71	71	0
Yamuna Nagar	33	33	0
Total	528	526	2

(ii) By Head Office of the Board

Total 214 applications under Right to information Act, 2005 were received in Head Office during the year 2015-16 and 214 applications were disposed off upto 31.03.2016 during the year 2015-16. Rs. 8500/- collected as fee for RTI applications whereas Rs. 5,790/- collected on account of charges for providing additional documents to the applicants.

Budget Report

22.1 Detail of actual receipts for the financial year 2015-16

Sr.No.	Head of Account	Actual Receipt (Rs. In Lacs)
1	Samples Testing fee	228.54
2	Water Consent fee	1932.17
3	Air Consent fee	2008.65
4	NOC fee	275.30
5	Public Hearing	22.80
6	Authorisation fee/Recognition fee/Sound Pollution fee/ Appeal fee/Right to Information fee/ Misc. receipt / sale of staff car	513.36
7	Cess Receipts (from G.O.I.)	365.43
8	(a) Interest on Deposits	2344.08
	(b) Interest on others advance given to staff	8.38
9	Grant-in-Aid from Central Pollution Control Board(NWMP)	0.66
10	Grant -in-Aid from State Govt. (Director Env.)	150.00
	Total	7849.37

22.2 Detail of actual Expenditure for the financial year 2015-16

Sr.No.	Head of Account	Actual Expenditure (Rs. In Lacs)
(A)	<u>SALARIES</u>	
1	Salaries & Allowances	1201.51
2	Medical Expenses	40.08
3	Travelling Allowance	9.37
	Sub Total	1250.96

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(B)	<u>MAINTENANCE</u>		
1	Office Expenses and other expenses		298.57
2	Legal Expenses		59.96
3	Professional fee		7.72
	Sub Total		<u>366.25</u>
(C)	<u>NON RECURRING</u>		
1	Furniture and fixture		2.72
2	Office Machines and Equipments		8.94
3	Computerisation of Office		16.22
4	Vehicles		10.96
5	Library Books and Journals and Computer Based information.		0.00
6	Lab.Equipments/Material/ Expenses, Computer & Modive Expenses and Computer Peripherale Stationery Expenses.		63.75
7	Income Tax paid		2000.62
	Sub Total		<u>2103.21</u>
(D)	<u>LOAN AND ADVANCES</u>		
1	Loans and Advances		12.76
(E)	Construction/Purchase of Office Building and Residential Complex		9.06
(F)	Research & Development Projects, Reoprts and studies		11.57
(G)	Financial Assistance to Industries for Installation E.T.P.'s Assistance to HUDA (Ghaggar River)		53.75
(H)	Eco Clubs/Env. Awarness		116.72
	I. State Govt.	100.00	
	II. Govt. of India	----	
	III. HSPCB	16.72	
	Total		<u>203.86</u>
Grand Total A+B+C+D+E+F+G+H =			<u>3924.28</u>