

ANNUAL REPORT 2016-17



**Haryana State Pollution Control Board
C11, Sector 6, Panchkula**

The Haryana State Pollution Control Board acknowledges the commitments, coordination, contribution 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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Chapter 1: Introduction

1.1 Haryana State Pollution Control Board (HSPCB)

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 September 19, 1974 initially for Prevention and Control of Water Pollution and maintaining or restoring wholesomeness of water.

The Haryana State Pollution Control Board (HSPCB) is mandated to implement applicable environmental laws/rules/notifications (Air/ Water) in the State of Haryana. The HSPCB draws up comprehensive plans and advises the State Government on the prevention, control and abatement of pollution. The major activities of the HSPCB comprise the following:

- Consent Management under Water Act, 1974 & Air Act, 1981, EP Act 1986 and rules framed there under.
- Online monitoring of Ambient Air Quality in major cities of Haryana.
- Monitoring of water quality of rivers Yamuna, Ghaggar & other water bodies.
- Online monitoring of air emissions and effluent discharge from highly polluting Industries and Common Treatment and Disposal Facilities
- Implementation of Solid Waste Management, Bio Medical, Hazardous, E-waste, C&D & Plastic Waste Management Rules.
- Implementation of Aravali Notification dated 07.05.1992 issued by MoEF&CC, Govt. of India.
- Implementation of Environment Impact Assessment Notification 2006

HSPCB 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 there under.

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 and Transboundary Movement) Rules, 2016
 - (ii) The Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989
 - (iii) The Biomedical Waste (Management) Rules, 2016
 - (iv) The Plastics Waste (Management) Rules, 2016
 - (v) The Solid Waste (Management) Rules, 2016
 - (vi) The E-waste (Management) Rules, 2016
 - (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

1.2 Vision & Aim of HSPCB

Besides fulfilling the above mandate, the Vision & Aim of the HSPCB is to bring about a gradual and consistent reduction in the levels of pollution (Air & Water) through strict enforcement, monitoring, inspections, authorizations & legal interventions. The Haryana Vision Document 2030 mentions the strong regulatory framework put in place by the HSPCB. However greater resources are required. HSPCB is committed to achieving a reduction in the levels of pollution (Air & Water) through comprehensive plans (National and State level interventions).



Chapter 2: About HSPCB

2.1 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.

Chairman of the Board during the year 2016-17:



Official Members

Director, Environment Department, Haryana

SCO 1-2-3, Sector 17-D, 2nd Floor,
Chandigarh

Director, Urban Local Bodies

SCO No. 6-7, Sector 17-B, Chandigarh

Principal Chief Conservator of Forest, Haryana

Panchkula

Transport Commissioner, Haryana

30 Bays Building, Chandigarh

Chief Engineer, Public Health Engineering Department

Haryana, Panchkula

Member Secretary, Haryana State Pollution Control Board

C-11, Sector-6, Panchkula

Members from Local Authorities

Ms. Veena Deswal,

Chairperson, Zila Parishad, Jind,
H.No.2642, Urban Estate, Jind

Sh. Jitender Bhardwaj,

S/o Subhash Chand, M-39, Old DLF, Near
Sec-14, Gurgaon

Sh. Surinder Lal Prajapat,

Vice Chairman, MC Dharuhera, Faridabad

Members from Agriculture, Fishery, Industry & Trade

Sh. Tarun Yadav,

VPO Palawas Bohran, Tehsil Kosli,
Rewari

Sh. Arvind Kapoor,

MD, Richo Auto Industries, 33 KM Stone,
Delhi-Jaipur Highway, Gurgaon

Sh. Sunil Rao,

H.No444, Sector-3, Urban Estate, Rewari

Members from Corporations and Companies

Managing Director,

Haryana Power Generation Corporation

Managing Director,

Haryana State Industrial & Infrastructure
Development Corporation, Panchkula

2.2 Staff Strength of HSPCB

Sr. No.	Name of the Post	Sanctioned Strength	Filled up	Vacant
Group A				
1	Chairman	01	01	-
2	Member Secretary	01	01	-
3	Environmental Engineer	16	11	05
4	Scientist 'C'	06	05	01
5	District Attorney	01	01	-
Group B				
1	Sr. Accounts Officer	01	01	-
2	Asstt. Distt. Attorney	03	02	01
3	Scientist 'B'	11	08	03
4	Asstt. Environmental Engineer	33	29	04
5	Tehsildar	01	-	01
6	Registrar	01	01	-
7	Superintendent	03	03	-
8	Private Secretary	01	01	-
Group C				
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	09	02
7	Sr. Scale Stenographer	03	02	01
8	Assistant	19	14	05
9	Accountant	04	02	02
10	Junior Programmer	02	01	01

Sr. No.	Name of the Post	Sanctioned Strength	Filled up	Vacant
11	Jr. Scale Stenographer	02	-	02
12	Accounts Clerk	02	-	02
13	Steno-Typist	13	-	13
14	Clerk	30	22	08
15	Driver	17	11	06
16	Lab Attendant	04	04	-
Group D				
1	Daftri	01	01	-
2	Senior Peon	02	02	-
3	Peon	30	11	19
4	Mali-cum-Chowkidar	02	02	-
5	Field Attendant	10	06	04
6	Sweeper	01	01	-



Chapter 3: Activities & Infrastructure

3.1 Mandated activities of the Board

Section 17 of the Water (Prevention and Control of Pollution) Act, 1974 and 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 disseminate 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;
- 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;

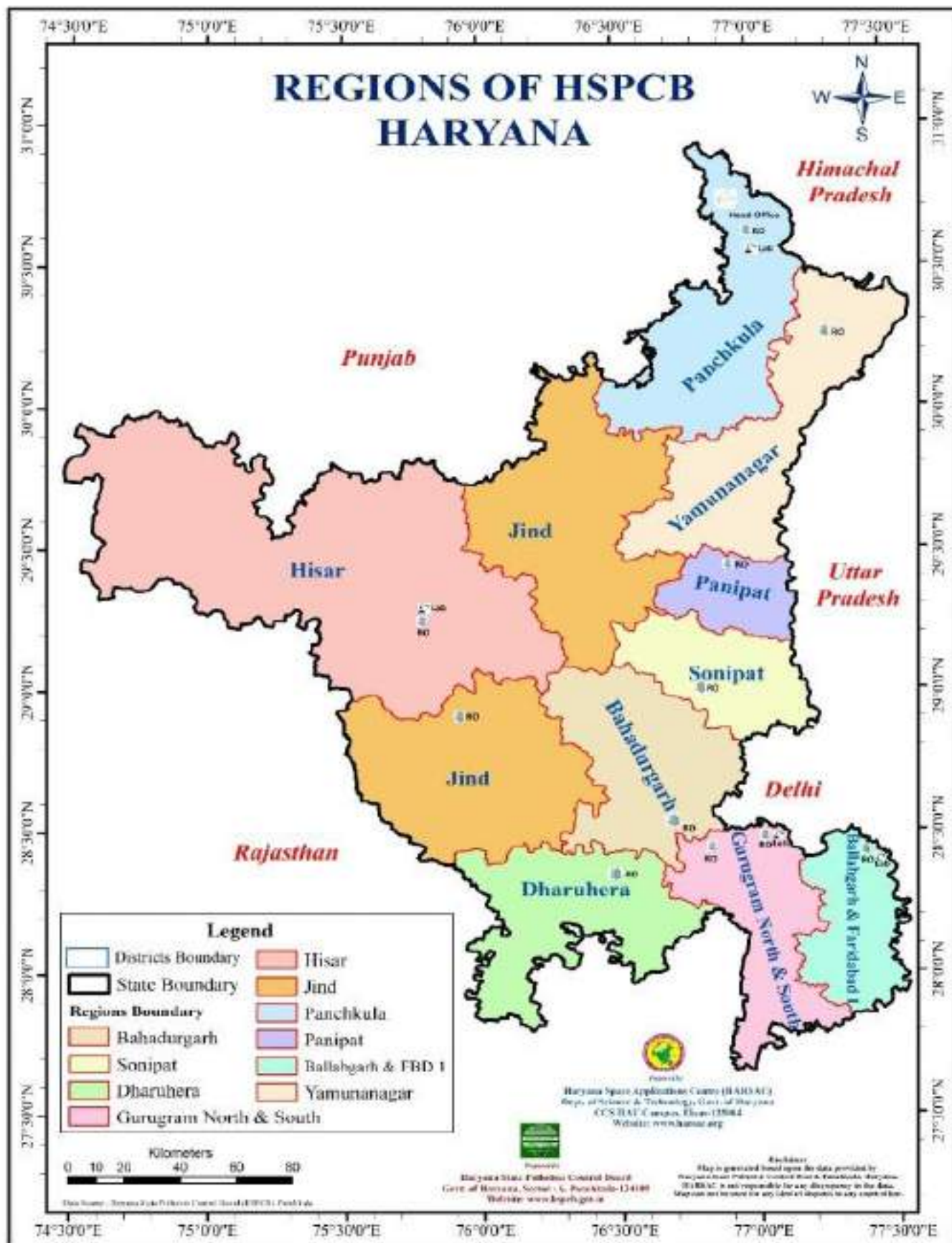
- To advise the State Government with respect to the suitability of the any premises or location of any industry, which is likely to cause air pollution or likely to pollute a stream or well;
- To perform such other functions as may be prescribed or as may, from time to time, be entrusted to it by the 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 its mandated activities and acted as a promoter, providing assistance for controlling pollution in Government Department's projects.

3.2 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 at Bhiwani.

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.



3.3 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 statues. 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.



Chapter 4: Measures for Abatement of Pollution

4.1 Action against Defaulting Units

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,	No. of units issued closure order under Water Act,	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	0	29	23	52
Ballabgarh	0	0	10	49	59
Dharuhera	2	0	21	33	56
Faridabad	0	48	1	6	55
Gurgaon (N)	0	1	4	18	23
Gurgaon (S)	0	12	0	0	12
Hisar	0	0	20	6	26
Jind	0	1	12	4	17
Panchkula	2	0	3	24	29
Panipat	1	15	1	6	23
Sonepat	1	0	0	20	21
Yamuna	10	0	5	51	66
Total	16	77	106	240	439

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,	No. of units against which Court Cases filed under Air Act, 1981	No. of units against which Court Cases filed under Water Act,
Bahadurgarh	0	0	0	1
Ballabgarh	0	2	0	3
Dharuhera	0	0	1	1
Gurgaon	0	1	0	0
Jind	0	4	5	9
Panchkula	0	0	0	29
Panipat	0	0	4	5
Sonepat	0	1	0	1
Total	0	8	10	49

b) Court Cases Decided:

Region	No. of Court Cases decided under EP Act		No. of Court cases decided under Water Act		No. of Court cases decided under Air Act		Total no. of court cases decided	
	In favour of Board	Against Board	In favour of Board	Against Board	In favour of Board	Against Board	In favour of Board	Against Board
Bahadurgarh	0	0	0	0	0	0	0	0
Ballabgarh	0	2	0	0	0	0	0	2
Faridabad	0	0	0	0	0	2	0	2
Gurgaon (North)	0	5	0	0	0	0	0	5
Gurgaon (South)	0	21	0	0	0	0	0	21
Hisar	0	0	0	0	9	0	9	0
Jind	0	5	0	5	0	0	0	10
Panipat	0	0	3	0	2	0	2	3
Yamuna Nagar	0	1	0	0	0	0	0	1
Total	0	34	3	5	11	2	11	44

c) Court Cases Pending in Special Environment Courts:-

Region	No. of Court Cases pending under EP Act	No. of Court Cases pending under Water Act	No. of Court Cases pending under Air Act	No. of Court Cases pending under Water & Air Act (Both)
Bahadurgarh	20	1	19	1
Ballabgarh	1	2	0	16
Dharuhera	2	4	4	10
Faridabad	6	34	0	0
Gurgaon (North)	99	4	8	12
Gurgaon	262	0	0	0
Hisar	3	0	1	0
Jind	1	5	16	0
Panchkula	6	4	1	30
Panipat	0	6	6	5
Sonepat	6	2	0	8
Yamuna Nagar	4	5	4	0
Total	410	67	59	82



Chapter 5: Grossly & Highly Polluting Industries

5.1 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),

have 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 as below:

Region	No. of the Grossly polluting Industries	Compliance Status		Action taken against non-complying units			
		Complying	Non Complying	Closure	Prosecution	Closure & Prosecution	Under SCN
Bahadurgarh	81	81	0	0	0	0	0
Ballabgarh	134	127	7	7	0	0	0
Dharuhera	12	12	0	0	0	0	0
Faridabad	15	15	0	0	0	0	0
Gurgaon (North)	126	126	0	0	0	0	0
Gurgaon (South)	113	112	1	1	0	0	0
Jind	02	2	0	0	0	0	0
Panchkula	45	37	8	8	0	0	0
Panipat	10	9	1	1	0	0	0
Sonepat	112	109	3	3	0	0	0
Yamuna Nagar	10	10	0	0	0	0	0
Total	660	640	20	20	0	0	0

5.2 Highly Polluting 17 Category Industries

MoEF&CC issued a notification on January 16, 1991 to ensure compliance of environmental standards in highly polluting industries. MoEF&CC 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, being 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 as below:-

Region	No. of 17 category highly polluting Industry	Compliance Status Under			Action taken against non-complying units			
		Air Act	Water Act	HWM Rules	Closure	Prosecution	Closure & Prosecution	Under SCN
Bahadurgarh	48	48	48	44	0	0	0	0
Ballabgarh	8	8	8	8	0	0	0	0
Dharuhera	1	1	1		0	0	0	0
Faridabad	3	3	3	3	0	0	0	0
Gurgaon (North)	1	1	1	1	0	0	0	0
Gurgaon (South)	3	3	3	3	0	0	0	0
Hisar	5	4	4	4	1	0	0	0
Jind	7	7	7	7	0	0	0	0
Panchkula	13	11	11	11	1	0	0	0
Panipat	9	8	8	6	1	0	0	0
Sonepat	20	0	17	0	3	0	0	0
Yamuna Nagar	13	11	11	11	2	0	0	0
Total	131	105	122	46	8	0	0	0



Chapter 6: Awareness Programmes

6.1 Awareness Programmes

Awareness programmes were organised at different places in the state of Haryana for creating awareness on various Environmental issues.

The detail of awareness programmes organised is given Region wise as under:-

Regional Office	No. of Awareness Programmes Organised
Bahadurgarh	4
Ballabgarh	10
Dharuhera	5
Faridabad	8
Gurgaon (North)	5
Gurgaon (South)	2
Hisar	5
Jind	4
Panchkula	4
Panipat	3
Sonepat	4
Yamuna Nagar	3
Total	57



Chapter 7: Effluent Treatment Plants & Air Pollution Control Devices

7.1 ETPs, STPs & CETPs

Effluent Treatment Plants (ETPs), Sewage Treatment Plants (STPs) & Common Effluent Treatment Plants (CETPs)

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.

Detail of new ETPs/STPs installed in industrial units/projects

Region	No. of new ETP/STP installed		
	ETP	STP	Both ETP & STP
Bahadurgarh	9	6	1
Ballabgarh	11	4	2
Dharuhera	3	1	0
Faridabad	3	14	0
Gurgaon (North)	4	17	2
Gurgaon (South)	22	10	0
Hisar	4	1	0
Jind	2	0	2
Panchkula	7	1	1
Panipat	13	4	0
Sonepat	33	6	0
Yamuna Nagar	10	5	1
Total	121	69	9

Detail of Industries/ Projects Modified/Upgraded ETPs/STPs

Region	No. of Industries Modified ETP	No. of Industries Modified STP	No. of Industries Modified STP & ETP Both
Bahadurgarh	4	0	0
Ballabgarh	3	3	0
Dharuhera	4	1	5
Faridabad	0	0	1
Gurgaon (North)	3	4	0
Panchkula	2	0	0
Panipat	18	1	0
Sonepat	9	2	0
Yamuna Nagar	3	3	0
Total	46	14	6

Detail of new STPs installed in various towns

Region	No. of new STPs installed	No. of towns where new STPs installed	Capacity
Bahadurgarh	1	1	19
Ballabgarh	2	2	4500 KLD and 300 KLD
Dharuhera	1	1	9.5
Hisar	1	1	5 MLD
Panchkula	8	8	35.50 MLD
Panipat	2	1	20 MLD 25 MLD
Yamuna Nagar	2	2	9.5
Total	17	16	-

Detail of new CETPs installed in industrial clusters/estates

Region	No. of new CETPs installed	Location	Capacity
Bahadurgarh	1	IMT Rohtak	10
Ballabgarh	1	IMT, Faridabad	10200 KLD
Sonepat	1	Barhi	16 MLD
Total	3	-	-

7.2 Air Pollution Control Devices (APCDs)

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.

Detail of Industrial units/projects Installed /Modified APCDs

Region	No. of industries installed new APCM	No. of industries modified APCM
Bahadurgarh	21	1
Ballabgarh	13	0
Dharuhera	11	4
Faridabad	2	1
Hisar	10	0
Jind	54	3
Panchkula	11	1
Panipat	18	0
Sonepat	56	4
Yamuna Nagar	67	6
Total	263	20



Chapter 8: Cess Collection under Water Act, 1977

8.1 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 2016-17, Cess amount of ₹4,76,45,122.27/-has been collected and the Region wise detail is given as under:-

Name of the Region	Cess Assessed (In ₹)	Cess Collection (In ₹)
Bahadurgarh	46,36,678.00	56,42,597.25
Ballabgarh	63,93,548.00	6,37,438.00
Dharuhera	20,75,387.00	20,86,623.00
Faridabad	26,79,484.00	54,73,003.00
Gurgaon (N)	40,93,205.00	17,38,591.63
Gurgaon (S)	47,43,835.00	41,38,502.00
Hisar	42,84,494.00	28,57,764.00
Jind	17,74,783.00	21,26,062.00
Panchkula	57,25,410.00	49,77,058.00
Panipat	1,04,60,036.00	1,15,99,428.60
Sonepat	34,83,164.00	31,02,759.00
Yamuna Nagar	69,74,930.00	32,65,295.79
Total	5,73,24,954.00	4,76,45,122.27

Note: The amount of cess collected includes cess arrears also.



Chapter 9: Continuous Ambient Air Quality Monitoring

9.1 General

With increase in Air Pollution levels across the country, revised National Ambient Air Quality standards for twelve parameters were notified in the year 2009 by MOEF&CC, which include gaseous emissions 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 analyzers, dust analyzers, 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.

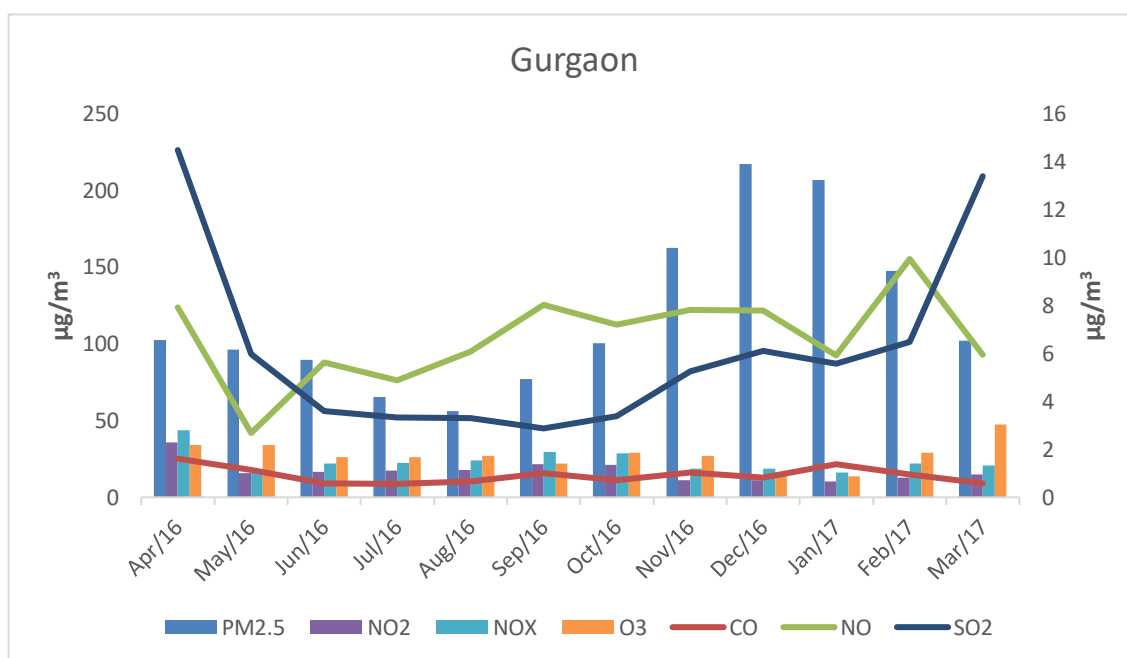
9.2 Continuous Ambient Air Quality Monitoring Report for the year 2016-17

Continuous Ambient Air Quality Monitoring Report has been tabulated for the cities of Gurgaon, Panchkula, Bahadurgarh and Faridabad. The data has been presented in the form of tables as well as graphs.

The graphs highlight the monthly average of air pollutants, where in X-axis represents the period and the Y-axis (primary and secondary) represent the unit of measurement of the pollutant. The pollutants highlighted on the Y-axis (primary) are Particulate Matter (PM_{2.5}), Nitrogen di-oxide (NO₂), Nitrogen Oxide (NO_x) and Ozone (O₃), whereas those highlighted on the Y-axis (secondary) include Carbon Monoxide (CO), Nitric Oxide (NO) and Sulphur Dioxide (SO₂)& Benzene.

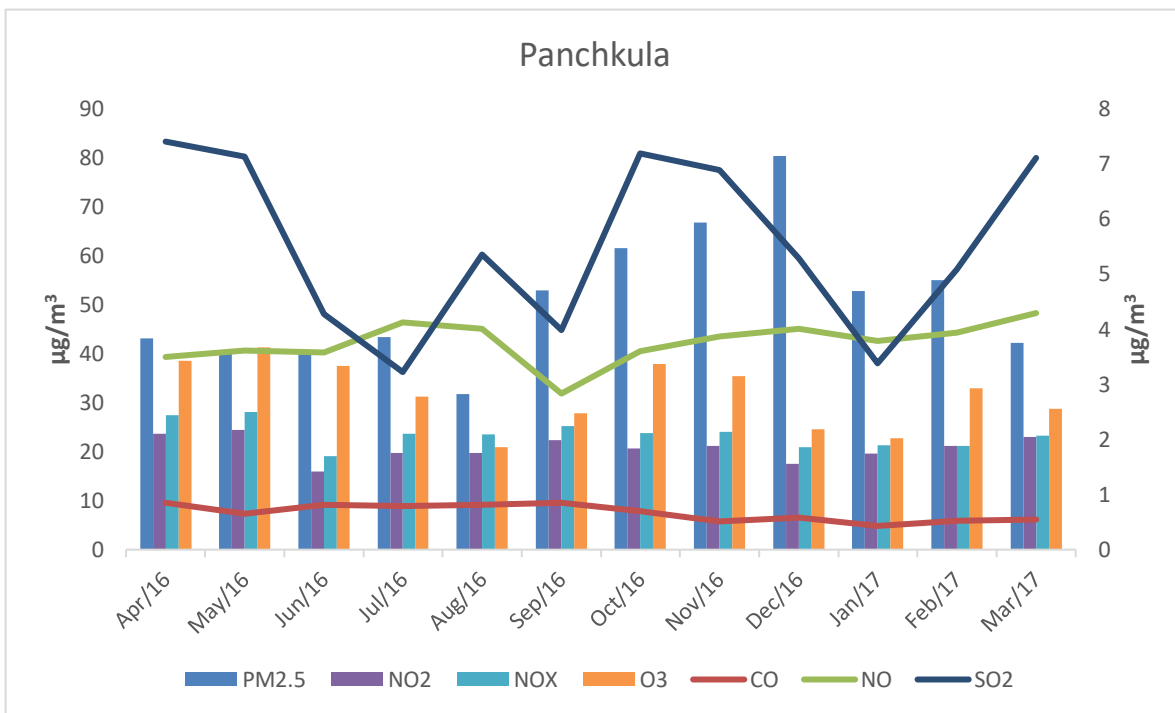
a) Continuous Ambient Air Quality Monitoring Station at Gurgaon

Monitoring Agency :	ENVIRONNEMENT SA INDIA PVT LTD						
Name of Station :	HSPCB, Vikas Sadn, Opp. New Court, Gurgaon						
Parameters/Units	PM_{2.5}	CO	NO	NO₂	NO_x	O₃	SO₂
Months	µg/m³	mg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
Apr-16	102.59	1.61	7.91	35.78	43.69	34.02	14.47
May-16	96.08	1.15	2.68	15.60	18.27	33.95	5.96
Jun-16	89.38	0.57	5.62	16.46	22.04	26.23	3.60
Jul-16	65.25	0.56	4.88	17.39	22.38	26.30	3.33
Aug-16	55.98	0.65	6.07	17.72	23.90	26.94	3.30
Sep-16	77.16	1.00	8.02	21.65	29.68	21.91	2.87
Oct-16	100.48	0.72	7.20	21.27	28.52	29.26	3.38
Nov-16	162.31	1.02	7.82	11.15	18.85	26.92	5.24
Dec-16	217.01	0.82	7.79	11.06	18.72	16.25	6.11
Jan-17	206.50	1.39	5.92	10.48	15.99	13.68	5.56
Feb-17	147.45	0.95	9.93	12.70	22.06	28.89	6.48
Mar-17	101.94	0.59	5.94	14.78	20.58	47.23	13.39



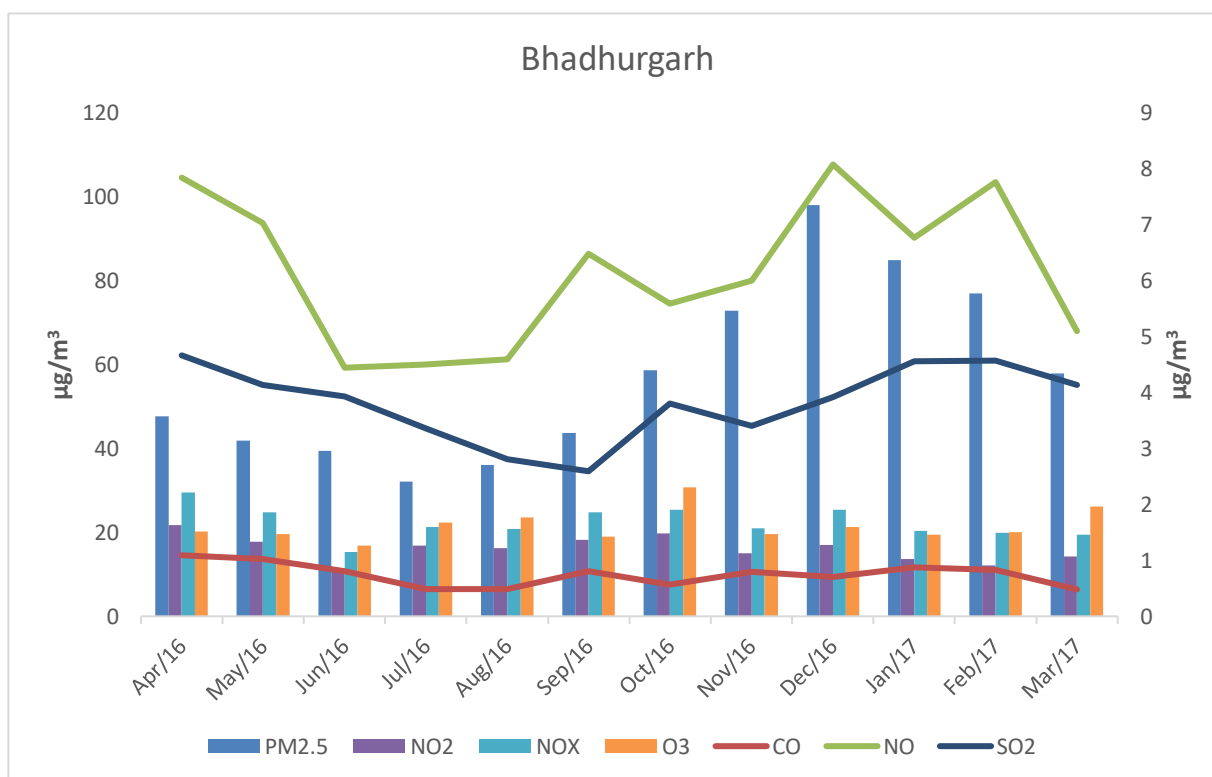
b) Continuous Ambient Air Quality Monitoring Station at Panchkula

Monitoring Agency :	ENVIRONNEMENT SA INDIA PVT LTD						
Name of Station :	HSPCB, Vikas Sadn, Opp. New Court, Panchkula						
Parameters/Units	PM_{2.5}	CO	NO	NO₂	NO_x	O₃	SO₂
Months	µg/m³	mg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
Apr-16	43.16	0.85	3.49	23.63	27.42	38.50	7.40
May-16	40.49	0.65	3.61	24.49	28.03	41.22	7.13
Jun-16	40.25	0.81	3.58	15.97	19.05	37.49	4.27
Jul-16	43.42	0.79	4.12	19.70	23.69	31.22	3.22
Aug-16	31.78	0.81	4.00	19.76	23.55	20.93	5.35
Sep-16	52.84	0.85	2.83	22.36	25.19	27.87	3.98
Oct-16	61.48	0.70	3.60	20.66	23.82	37.94	7.18
Nov-16	66.71	0.51	3.86	21.22	24.00	35.40	6.88
Dec-16	80.34	0.58	4.00	17.55	20.85	24.62	5.28
Jan-17	52.81	0.43	3.78	19.62	21.24	22.78	3.38
Feb-17	55.01	0.52	3.93	21.18	21.18	32.94	5.09
Mar-17	42.22	0.55	4.29	23.02	23.21	28.77	7.10



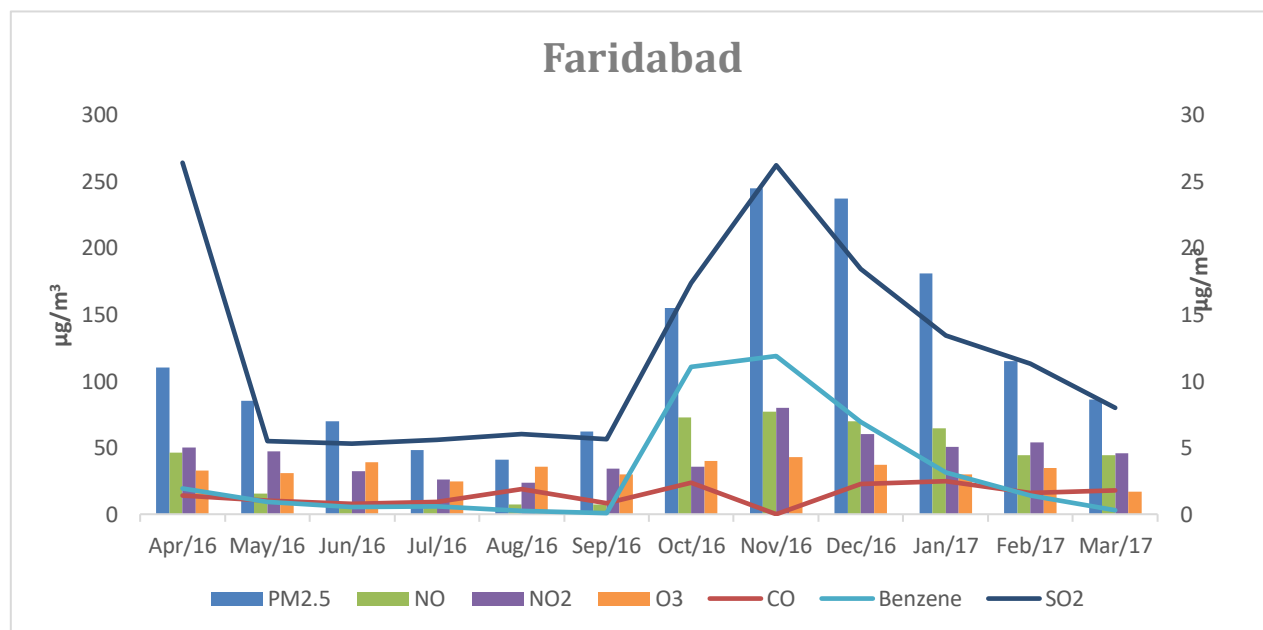
c) Continuous Ambient Air Quality Monitoring Station at Bahadurgarh

Monitoring Agency :	ENVIRONNEMENT SA INDIA PVT LTD						
Name of Station :	HSPCB, Vikas Sadn, Opp. New Court, Bahadurgarh						
Parameters/Units	PM_{2.5}	CO	NO	NO₂	NO_x	O₃	SO₂
Months	µg/m³	mg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
Apr-16	47.57	1.09	7.84	21.70	29.53	20.13	4.66
May-16	41.78	1.02	7.02	17.70	24.73	19.53	4.13
Jun-16	39.37	0.80	4.44	10.91	15.35	16.86	3.93
Jul-16	32.10	0.49	4.50	16.77	21.28	22.32	3.36
Aug-16	36.02	0.49	4.59	16.27	20.86	23.59	2.81
Sep-16	43.61	0.81	6.47	18.28	24.75	19.02	2.59
Oct-16	58.58	0.57	5.58	19.75	25.32	30.66	3.80
Nov-16	72.84	0.79	5.99	15.03	20.98	19.55	3.40
Dec-16	97.93	0.70	8.07	16.97	25.31	21.24	3.92
Jan-17	84.80	0.87	6.76	13.59	20.35	19.45	4.56
Feb-17	76.96	0.83	7.76	12.16	19.92	20.06	4.57
Mar-17	57.87	0.48	5.09	14.29	19.39	26.11	4.13



d) 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	PM_{2.5}	CO	NO	NO₂	Benzen e	O₃	SO₂
Months	µg/m³	mg/m³	µg/m³	µg/m³	mg/m³	µg/m³	µg/m³
Apr-16	110	1.4	46.2	50.2	1.93	32.8	26.4
May-16	85	1.0	15.3	47.0	0.94	30.8	5.5
Jun-16	70	0.8	7.1	32.2	0.53	38.8	5.3
Jul-16	48	0.9	9.7	25.9	.57	24.8	5.6
Aug-16	41	1.90	7.19	23.61	0.23	35.61	6.02
Sep-16	62	0.85	7.07	34	0.08	29.73	5.65
Oct-16	155	2.36	72.50	35.61	11.09	40.21	17.35
Nov-16	245	.2.60	76.81	79.84	11.88	42.97	26.21
Dec-16	237	2.25	69.70	60.18	6.92	36.91	18.40
Jan-17	181	2.48	64.37	50.70	3.12	29.70	13.44
Feb-17	115	1.59	44.36	54.14	1.42	34.79	11.31
Mar-17	86	1.77	44.1	45.64	0.30	16.94	7.99





Chapter 10: Consent under Water Act, 1974 & Air Act, 1981

10.1 Categorization of Industrial Units/Projects: Red, Orange, Green & White Category

The Board re-categorized the industrial sectors/projects under Red, Orange, Green and White 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 vide letter dated 07.03.2016.

According to new categorization, Red, Orange and Green category of industries/projects are covered under consent management whereas White category of the industries/projects are exempted from consent management in view of less pollution potential in White category of industries. However White category units/projects are required to provide the pollution control devices where ever required and comply with standards prescribed for discharge of pollutants under Environment (Protection) Rules, 1986.

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

Region	Red	Orange	Green	Total
Bahadurgarh	233	909	442	1584
Ballabgarh	467	482	8	957
Dharuhera	158	506	13	677
Faridabad	205	248	11	464
Gurgaon (N)	251	557	8	816
Gurgaon (S)	290	358	136	784
Hisar	58	732	19	809
Jind	68	952	10	1030
Panchkula	133	745	129	1007
Panipat	364	112	17	493
Sonepat	253	437	132	822
Yamuna Nagar	295	1058	30	1383
Total	2775	7096	955	10826

10.2 Consent to Establish under Water Act, 1974 & Air Act, 1981

All the industrial units/project covered under Red and Orange categories 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 31.03.2016	Applications received during 2016-17	Total Applications received	Decided		Pending			
				Granted	Refused	Under SCN	Not dealt	Pending for decision	Total
Bahadurgarh	0	100	100	91	4	3	0	2	5
Ballabgarh	0	112	112	91	15	0	0	6	6
Dharuhera	0	99	99	67	26	0	0	6	6
Faridabad	0	37	37	35	2	0	0	0	0
Gurgaon (N)	0	152	152	105	47	0	0	0	0
Gurgaon (S)	0	176	176	138	38	0	0	0	0
Hisar	0	41	41	32	9	0	0	0	0
Jind	5	170	175	153	17	0	0	5	5
Panchkula	0	129	129	77	44	4	0	4	8
Panipat	2	61	63	36	7	0	0	20	20
Sonepat	14	190	204	155	35	0	0	14	14
Yamuna Nagar	0	238	238	182	51	0	0	5	5
Total	21	1505	1526	1162	295	7	0	62	69

10.3 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 application			
					SCN	Not Dealt	Pending For Decision	Total
Bahadurgarh	1187	1187	1162	7	10	1	7	18
Ballabgarh	961	615	566	27	0	0	22	22
Dharuhera	679	335	295	16	0	0	24	24
Faridabad	464	463	461	2	2	0	0	0
Gurgaon (N)	448	448	432	16	0	0	0	0
Gurgaon (S)	784	340	336	4	0	0	0	0
Hisar	809	266	231	30	30	0	5	35
Jind	1032	470	409	34	0	0	27	27
Panchkula	1007	654	535	98	11	0	10	21
Panipat	586	566	551	10	0	20	5	25
Sonepat	1122	1120	1115	5	0	0	0	0
Yamuna Nagar	1383	801	708	76	0	0	17	17
Total	10462	7265	6801	325	53	21	117	189



Chapter 11: Hazardous & Other Waste Rules, 2016

11.1 Authorization under Hazardous & Other Waste Rules, 2016

All the industrial units/projects covered under Hazardous & Other Waste (Management & Trans-boundary Movement) Rules, 2016 require authorization from the Board.

The status of authorization under Hazardous& Other Rules, 2016is given as under:-

Region	Total Units covered under HWM Rules	Applied	Granted	Refused	Pending application		
					SCN	Pending for Decision	Total
Bahadurgarh	240	240	235	0	5	0	5
Ballabgarh	554	267	234	16	0	17	17
Dharuhera	235	134	112	9	0	13	13
Faridabad	252	252	251	1	0	0	0
Gurgaon North	553	313	307	6	0	0	0
Gurgaon South	726	726	720	6	0	0	0
Hisar	96	96	94	2	0	0	0
Jind	31	29	28	1	0	0	0
Panchkula	199	80	63	11	3	3	6
Panipat	365	350	335	11	0	4	4
Sonepat	366	366	364	1	1	0	1
Yamuna Nagar	251	124	113	6	0	5	5
Total	3868	2977	2856	70	9	42	51

11.2 Status of units registeredfor Recycling / Re-processing of Hazardous waste

Region	Total no. of Authorized		Total Quantity
	Recycler	Utilizer	
Bahadurgarh	38	0	143381 MTA
Dharuhera	3	0	17397 MTA
Gurgaon (North)	2	0	30000 MT/Annum
Hisar	21	0	74720
Panchkula	12	0	58108 MTA & 3000 KLA
Panipat	1	0	3100 KLA
Sonepat	11	0	16081
Yamuna Nagar	11	0	Used Oil 7900 KL/A 36515 MTA
Total	99	0	-

11.3 Status of units authorized as Traders for import of Hazardous Waste

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 & Other Waste (M&TM) Rules, 2016, may make an application in Form 16 to the State Pollution Control Board for their authorization 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 authorization 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 authorized as Traders for import of other waste listed in Part-D of Schedule-III on behalf of the Actual users
Faridabad	5
Hisar	1
Dharuhera	2
Sonepat	2
Bahadurgarh	1
Panchkula	1
Yamuna Nagar	1
Total	13

11.4 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 2016-17 at the facility is given as under:-

Description of hazardous waste		Quantity in MT
Quantity in Stock at the beginning of the year	Landfillable	1.055
	Incinerable	8336.9
Quantity of Hazardous Waste Received	For Direct secured Landfill	7277.67
	For secured Landfill after treatment	1030.515
	For Incineration	20459.66
Quantity of Hazardous Waste Disposed	Quantity Land filled directly	7277.673
	Quantity Land filled after treatment	1015.36
	Quantity Incinerated	3930.209
	Moisture & Other	9620.539
	Physical segregation of organic & Inorganic	11.60.554
Quantity Pre-Processed for Utilization as resource		9568.13
Quantity in Stock at the end of the year	Landfillable	16.21
	Incinerable	4517.14

11.5 Annual Report under Hazardous Waste Management Rules

The Annual Report for the year 2016-17 under Hazardous Waste (M&TM) Rules, 2016 showing detail of Hazardous waste generated, recycled, utilized and disposed, is given as under:-

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 premises 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	4097.84	0	82.545	0	143.095	0	0	509.44	0	3362.76
Karnal	83	1486.6	1040.5	0	77.2	0	98.3	0	0	302.12	0	562.88
Panipat	363	9679.06	7286.3402	0	453.95	0	199.97	0	3566.25	2410.1815	0	655.9725
Gurgaon (N)	529	13403.22	12842.99	325	320.07	774	4831.125	5004.1	0	1398.08	0	190.615
Mewat	44	362.34	324.12	0	111.695	0	123.405	0	0	89.02	0	0
Rewari	223	4435.73	4346.03	362.71	1447.42	413.8	2009.08	0	0	113.02	0	0
Mohindergarh	5	0.835	0.815	0	0	0	0.505	0	0	0.31	0	0
Sonepat	366	1122.365	852.994	0	494.68	4.68	137.315	0	0	97.281	0	119.038
Faridabad	252	1633.16	1633.16	0	828.535	0	431.05	0	0	35	0	338.575
Jind	13	24.173	24.173	0	1.38	0	17.29	0	0	0	0	5.503
Bhiwani	12	50.612	50.612	0	40.925	0	3.315	0	0	0	0	6.372
Kaithal	5	1.192	1.192	0	0.35	0	0	0	0	0	0	0.842

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 premises at the end of the year (MT)
Panchkula	79	896.83	612.99	0	50.2	0	100.44	0	0	1.25	0	461.1
Ambala	54	1245.26	1194.53	0	80.1	0	125.54	0	0	2.64	0	986.25
Kurukshetra	25	367.35	329.9	0	13.15	0	40.64	0	0	0.75	0	275.36
Gurgaon (S)	638	11890.25	11469.2	0	932.63	18.4	9899.57	85	0	317.1	0	216.5
Hisar	62	1439.23	1404.633	0	129.9	0	10.615	0	0	744.65	0	519.468
Fatehabad	5	22.53	17.355	0	16.055	0	0	0	0	0.5	0	0.8
Sirsa	18	54.68	42.85	0	5.785	0	2.96	0	0	1.3	0	32.805
Faridabad (BLB)	626	4635.81	4474.47	0	1482.95	0	1001.09	0	0	1021.24	0	969.19
Palwal	130	1064.19	1027.14	0	340.42	0	229.81	0	0	234.43	0	222.48
Jhajjar	167	3814.66	3801.5	0	726.548	2165.2	764.02	0	0	40.72	0	105.02
Rohtak	92	1961.416	1954.1	0	671.7	759.4	290.52	0	0	139.84	0	92.652
Total	3941	64896.63	58829.4342	687.71	8308.188	4135.48	20459.66	5089.1	3566.25	7458.8725	0	9124.1825



Chapter 12: E-Waste Rules, 2016

12.1 General

The E-waste (Management) Rules, 2016 have been notified by the 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-usable (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.

12.2 Detail of units Registered for Dismantling & Recycling of E-Waste

Region	Total no. of Authorized		Total Authorized Quantity (MT)	
	Recycler	Dismantler	Recycling	Dismantling
Bahadurgarh	1	3	5000	17440
Ballabgarh	0	2		3000
Dharuhera	0	0	0	0
Faridabad	0	1	0	1
Gurgaon (North)	0	0	0	0
Gurgaon (South)	1	5	35.825	33.333
Hisar	0	0	0	0
Jind	0	0	0	0
Panchkula	0	2	0	5425
Panipat	1	0	5940	0
Sonepat	1	0	85	0
Yamuna Nagar	0	0	0	0
Total	16	11	67168.825	25899.333



Chapter 13: Bio-Medical Waste Rules, 2016

13.1 General

Bio-medical Waste (Management) Rules, 2016 were notified by the Ministry of Environment & Forests (MoEF&CC) 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.

13.2 Status of Authorization under Bio Medical Waste Rules, 2016

Region	Total Units	Applied	Granted	Refused	Pending application		
					SCN	Not decided	Total
Bahadurgarh	269	269	267	0	2	0	2
Ballabgarh	198	198	195	0	0	3	3
Dharuhera	199	113	113	0	0	0	0
Faridabad	229	226	226	0	0	0	0
Gurgaon (N)	353	353	353	0	0	0	0
Gurgaon (S)	53	53	53	0	0	0	0
Hisar	436	436	436	0	0	0	0
Jind	355	355	299	0	56	0	56
Panchkula	396	387	378	0	0	9	9
Panipat	143	143	142	0	0	1	1
Sonepat	184	184	184	0	0	0	0
Yamuna Nagar	324	324	324	0	0	0	0
Total	3139	3041	2970	0	58	13	71

13.3 Detail of Service Providers authorized under Bio Medical Waste Rules 2016

The list of service providers authorized under Bio Medical Waste Rules, 2016 for treatment & disposal of Bio Medical Waste in Common Waste Treatment & Disposal Facility is given as under:-

Region	Sr. No.	Name & Address of the Unit	Capacity (Kg/Hr.)
Panchkula	1.	M/s Ess Kay Hygenic, Vill Bagwala, Panchkula, Mob:- 09466100061	150
	2.	M/s Rudraksh Enviro Care, Vill. Bhodog, Naraingarh, Ambala	150
Jind	3.	Maruti Bio-Medical Waste Plant VPO- Hetampura, Distt. Bhiwani	100
	4.	Divya Waste Management Co. Village Kandela Jind JIND	100
Yamuna Nagar	5.	M/s HAAT Supreme Wastech Private Limited, Village BazidaJattan, Near Rly Crossing, Karnal	100
Faridabad	6.	M/s Golden Eagle Waste Management Co., Village-Jasana, Faridabad	100
Bahadurgarh	7.	M/s S.D. Bio Medical Waste Management Co. Vill-Baland, Distt. Rohtak	100
Gurgaon (N)	8.	M/s Vulcan Waste Management Pvt. Ltd. Vill. Bhondsi Gurgaon	150
Hisar	9.	Synergy Waste Management Pvt. Ltd., 168, Sec-27-28, HUDA Ind. Area, Hisar	150
	10.	Invision Enviro Services, Vill. Phulkan, Distt. Sirsa	100
	11.	Surya Waste Management, Sahuwala Road, Vill. Chadiwal, Distt. Sirsa	100

13.4 Status of Bio Medical Waste Management

Sr. no.	Particulars	Total
1.	Total No. of Health Care Facilities/ Occupiers	3412
I.	Bedded Hospital & Nursing Home (bedded)	2351
II.	Clinics, Dispensaries	757
III.	Veterinary institutions	4
IV.	Animal Houses	3
V.	Pathology Laboratories	176
VI.	Blood Banks	11
VII.	Clinical Establishment	66
VIII.	Research institutions	23
IX.	AYUSH	21
2.	Total No. of Beds	48357
3.	Status of Authorization	
I.	Total No. of Occupiers applied for Authorization	3024
II.	Total No. of Occupiers Granted Authorization	2948
III.	Total No. of application under consideration	47
IV.	Total No. of application rejected	29
V.	Total No. of Occupiers in operation without applying for authorization	352
4.	Quantity of generation Bio Medical Waste Generation (in Kg/day)	11662.91
I.	Bio-medical waste generation by bedded hospital (in kg/day)	10305.98
II.	Bio-medical waste generation by non bedded hospital (in kg/day)	1356.93
III.	Any other	36
5.	Bio-medical waste treatment & disposal	
a.	Bio-medical waste treatment & disposal by Common Bio Medical Waste Treatment Facility	
i.	Number of Common Bio Medical Waste Treatment Facility in operation	11
ii.	Number of Common Bio Medical Waste Treatment Facility under construction	0
iii.	Total Bio-medical waste treated in kg/day	11662.91

Sr. no.	Particulars	Total
iv.	Total Bio-medical waste disposed through authorized recycler (in kg/day)	2555
8. i.	Total number of violation by Healthcare Facilities (bedded and non bedded)	352
ii.	Common Bio Medical Waste Treatment Facilities	0
6.	Show Cause Notice/ direction issued to defaulter	
i.	Common Bio Medical Waste Treatment Facilities	0
ii.	Other	352
7.	Any other relevant information	
i.	Number of workshop/ trainings conducted during the year	40
ii.	Number of occupiers installed liquid waste treatment facility	170
iii.	Number of captive incinerators complying to the norms -	0
iv.	Number of occupiers organized trainings	225
v.	Number of occupiers constituted bio-medical waste management committees	0
vi.	Number of occupiers submitted Annual Report for the previous calendar year	3197
vii.	Number of occupiers practicing pretreatment of lab micro biology and bio technology waste	398
viii.	Number of Common Bio Medical Waste Treatment Facility that have installed continuous Online Emission Monitoring System	11



Chapter 14: Batteries Rules, 2001

14.1 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.

14.2 Status of Dealers Registered under Batteries (M & H) Rules, 2001

Region	Number of Units
Bahadurgarh	45
Ballabgarh	29
Dharuhera	18
Gurgaon (N)	10
Jind	6
Panchkula	55
Panipat	1
Total	164



Chapter 15: Plastic Waste Rules, 2016

15.1 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) Rules, 2016 were notified by Ministry of Environment, Forest & Climate Change, Govt. of India, which included plastic waste management.

15.2 Status of implementation of Plastic Waste Rules,2016

Sr. no.	Description	Details and quantity in TPA	
1	Estimated plastic waste generation tons per Annum	23369.09	
2	No. of Plastic manufacturing units (including multilayer, compostable plastic units).	Plastic units	7
		Compostable plastic units	NA
		Multilayer Plastic units	11
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 20.08.2013issued by Urban Local Bodies Deptt. Haryana.	754	



Chapter 16: Training Programmes

16.1 Detail of Training Programmes / Workshops Attended

Sr. No.	Training Titles	Schedule	Training Institute	Name of the Officers/officials attending training
1.	Two one day workshop on "Pay Fixation under Haryana Civil Service (Revised Pay Rules) and Haryana Civil Service (Assured Career Progression) Rules, 2016 on 18 th and 22 nd November, 2016.	22 November, 2016	Haryana Institute of Public Administration, Divisional Training Centre, Panchkula (HIPA).	1. Sh. Rattan Singh, Accountant. 2. Sh. Poonam, Assistant 3. Sh. Meharchand, Assistant
2.	CPCB sponsored Training Programme for Environmental Regulations 2016-17	14-16 Nov., 2016	NEERI, Nagpur	Sh. Aparnesh Kumar, SSA, Hisar Lab.
3.	CPCB sponsored Training Programme for Environmental Regulations 2016-17	06-08 Dec., 2016	DMI, Bhopal	Sh. Nirmal Kashyap, R.O Sonepat
4.	CPCB sponsored Training Programme for Environmental Regulations 2016-17	14-16 Feb., 2017	ESCI, Hyderabad	Sh. Kuldeep Singh, RO Gurgaon (S)
5.	CPCB sponsored Training Programme for Environmental Regulations 2016-17	21-25 Nov. 2016	NEERI, Nagpur	Sh. Narender Hooda, SSA, Faridabad
6.	CPCB sponsored Training Programme for Environmental Regulations 2016-17	14-18 Nov., 2016	NPC Chennai	Sh. Vipin Kumar, AEE Gurgaon South
7.	CPCB sponsored Training Programme for Environmental Regulations 2016-17	06-08 Jan., 2017	DMI, Bhopal	Sh. Shakti Singh, AEE Faridabad
8.	CPCB sponsored Training Programme for Environmental Regulations 2016-17	19-21 Dec., 2016	NIH, Roorkee	Sh. Dinesh Kumar, AEE, Ballabgarh
9.	CPCB sponsored Training Programme for Environmental Regulations 2016-17	08-10 March, 2017	NIOH, Ahmadabad	Sh. Rajesh Garhia, Sc-C (HQ)
10.	CPCB sponsored Training	22-25	NGRI,	Sh. Sukh Ram, SSA

Sr. No.	Training Titles	Schedule	Training Institute	Name of the Officers/officials attending training
	Programme for Environmental Regulations 2016-17	Nov., 2016	Hyderabad	(HQ)
11.	CPCB sponsored Training Programme for Environmental Regulations 2016-17	22-25 Nov., 2016	IIT, Roorkee	Sh. Balraj Singh, SSA (HQ)
12.	CPCB sponsored Training Programme for Environmental Regulations 2016-17	Feb. 2016	CES, Chennai	Sh. Ajay Singh, AEE Bahadurgarh
13.	CPCB sponsored Training Programme for Environmental Regulations 2016-17	18-20 Jan., 2017	CIMFR, Dhanbad	Sh. Sunil Sheron, Scientist-B, Bhiwani
14.	CPCB sponsored Training Programme for Environmental Regulations 2016-17	January, 2017	IIT, Roorkee	Sh. Bhupinder Singh, R.O. Gurgaon (North)
15.	CPCB sponsored Training Programme for Environmental Regulations 2016-17	09-11 Nov., 2016	NSI, Kanpur	Sh. Saneev, R.O. Yamuna Nagar
16.	CPCB sponsored Training Programme for Environmental Regulations 2016-17	06-10 Feb., 2017	NLSIU, Bangalore	Sh. Dinesh Yadav, AEE, Gurgaon (N)
17.	CPCB sponsored Training Programme for Environmental Regulations 2016-17	30 Jan.-03 Feb., 2017	ISI, Delhi	Smt. Neha Saharan, AEE Gurgaon (N)
18.	CPCB sponsored Training Programme for Environmental Regulations 2016-17	01-03 Feb., 2017	TERI, Delhi	Sh. Vijay Chaudhary, AEE Gurgaon (N)
19.	CPCB sponsored Training Programme for Environmental Regulations 2016-17	12-16 Dec., 2016	NIOH, Ahmadabad	Sh. Naveen Gulia, R.O. Dharuhera



Chapter 17: Redressal of Public Complaints

17.1 Status of Public Compliants Received and Disposedoff

Region	No. of complaints received through				No. of complaints disposed off				No. of pending complaints			
	Hard copy	Harsamadhan	CM Grivance portal	Total	Hard copy	Harsamadhan	CM Grivance portal	Total	Hard copy	Harsamadhan	CM Grivance portal	Total
Bahadurgarh	82	0	53	135	82	0	53	135	0	0	0	0
Ballabgarh	50	0	27	77	50	0	76	126	0	0	1	1
Dharuhera	20	0	22	42	20	0	22	42	0	0	0	0
Faridabad	0	0	0	0	0	0	0	0	0	0	0	0
Gurgaon (North)	7	5	19	31	7	5	19	31	0	0	0	0
Gurgaon (South)	30	0	5	35	30	0	5	35	0	0	0	0
Hisar	3	0	65	68	3	0	63	66	0	0	2	2
Jind	17	0	32	49	17	0	32	49	0	0	0	0
Panchkula	119	0	27	146	89	0	26	115	30	0	1	31
Panipat	10	0	22	32	8	0	17	25	2	0	5	7
Sonepat	15	0	11	26	15	0	11	26	0	0	0	0
Yamuna Nagar	35	0	101	136	30	0	91	121	5	0	10	15
Total	388	5	384	777	351	5	415	771	37	0	19	56



Chapter 18: Public Hearing under EIA Notification

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

18.2 Details of the Public Hearings organized by the Board

Name of the Region	Number of projects where public Hearing organized
Dharuhera	5
Bahadurgarh	0
Ballabgarh	0
Faridabad	0
Gurgaon (S)	0
Gurgaon (N)	0
Hisar	0
Jind	3
Panipat	0
Panchkula	3
Sonepat	0
Yamuna Nagar	15
Total	26



Chapter 19: Right to Information Act, 2005

19.1 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.

19.2 Details of Applications received and disposed

a) By Regional Offices of the Board

Region	No. of applications			Amount of fee collected	Amount of fee collected on account of additional documents
	Received	Disposed off	Under Process		
Bahadurgarh	117	117	0	775	555
Ballabgarh	101	100	1	700	0
Dharuhera	88	88	0	540	0
Faridabad	48	48	0	620	0
Gurgaon (N)	147	147	0	0	0
Gurgaon (S)	105	105	0	480	0
Hisar	87	87	0	0	0
Jind	57	48	9	510	140
Panchkula	99	97	2	750	0
Panipat	82	82	0	510	70
Sonepat	73	73	0	0	0
Yamuna Nagar	119	119	0	1360	0
Total	1123	1111	12	6245	765

b) By Head Office of the Board

Total 228 applications under Right to information Act, 2005 were received in Head Office during the year 2016-17 and 228 applications were disposed off upto 31.03.2017 during the year 2016-17. Rs. 6,960/- was collected as fee for RTI applications, whereas Rs. 2,340/- was collected on account of charges for providing additional documents to the applicants.



Chapter 20: Income & Expenditure Statement

20.1 Detail of Actual Receipts for the Financial Year 2016-17

Sr.No.	Head of Account	Actual Receipt (Rs. In Lacs)
1	Samples Testing fee	82.25
2	Water Consent fee	2378.18
3	Air Consent fee	2280.75
4	NOC fee	344.01
5	Authorisation fee/Recognition fee/Sound Pollution fee/ Public Hearing/ Appeal fee/Right to Information fee/ Misc. receipt / sale of staff car	256.61
6	Cess Receipts (from G.O.I.)	120.62
7	(a) Interest on Deposits	2286.84
	(b) Interest on others advance given to staff	9.83
8	Grant-in-Aid from Central Pollution Control Board(NWMP)	0.0
9	Grant -in-Aid from State Govt. (Director Env.)	100.00
10	Income Tax Refund	209.36
	Total	8068.45

20.2 Detail of Actual Expenditure for the Financial Year 2016-17

Sr.No.	Head of Account	Actual Expenditure (Rs. In Lacs)
(A)	<u>SALARIES</u>	
1	Salaries & Allowances	1423.25
2	Medical Expenses	36.87
3	Travelling Allowance	10.02
	Sub Total	1470.14
(B)	<u>MAINTENANCE</u>	
1	Office Expenses and other expenses	253.06
2	Legal Expenses	43.71
3	Professional fee	11.34
	Sub Total	308.34
(C)	<u>NON RECURRING</u>	
1	Furniture and fixture	2.82
2	Office Machines and Equipments	11.85
3	Computerisation of Office	78.91
4	Vehicles	0.00
5	Library Books and Journals and Computer Based Information	0.04
6	Lab.Equipments/Material/ Expenses, Computer & Modive Expenses and Computer Peripherale Stationery Expenses.	58.32

7	Income Tax paid		1003.17
	Sub Total		1155.11
<hr/>			
(D)	<u>LOAN AND ADVANCES</u>		
1	Loans and Advances		11.33
	Construction/Purchase of Office Building		
(E)	and Residential Complex		11.55
(F)	Research & Development		27.28
	Projects, Reoprts and studies		
(G)	Financial Assistance to Industries for		0.00
	Installation E.T.P.'s		
(H)	Eco Clubs/Env. Awarness		107.09
	I. State Govt.	100.00	
	II. Govt. of India	----	
	III. HSPCB	16.72	
	Total		157.25
<hr/>			
	Grand Total A+B+C+D+E+F+G+H =		3090.61
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**HARYANA STATE POLLUTION CONTROL BOARD,
DEPARTMENT OF ENVIRONMENT, HARYANA
C-11, SECTOR 6, PANCHKULA (HARYANA)**

WEBSITE: hspcb.gov.in