ANNUAL REPORT
2018-19

Haryana State Pollution Control Board

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, 1974initially 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, Environment Protection 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 and same has now been abolished due to introduction of Goods and Services Tax Act, 2017. 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 Environment (Protection) Act, 1986and 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, 1986regarding 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 monitoring, inspections, authorizations& legal interventions.
- HSPCB is committed to achieve 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 2018-19:

2.2 Members of the Board

Chairman, Haryana State Pollution Control Board,
C-11, Sector-6, Panchkula

Director, Environment Department, Haryana
SCO 1-2-3, Sector 17-D, 2nd Floor, Chandigarh

Director General, Urban Local Bodies Department, Haryana
SCO No. 11-14, Sector 4, Panchkula

Principal Chief Conservator of Forest, Forest Department, Haryana
C-18, Sector-6, Panchkula

Engineer-in-Chief, Public Health Engineering Department,
Bays no. 13-18, Sector 4, Panchkula

Transport Commissioner, Haryana
30-Bays Building, Chandigarh

Director Technical, Haryana Power Generation Corporation Limited,
C-7, Sector-6, Panchkula

Chief Engineer or any other technical officer equivalent of the rank of Chief Engineer of Haryana State Industrial & Infrastructure Development Corporation
C-12&13, Sector-6, Panchkula

Smt. Renu Bala Gupta, Mayor,
Mayor, Municipal Corporation, Karnal
#39-40, Chaudhary House Colony, Karnal

Sh. Sanjay Kumar, Chairman
Municipal Council, Charkhi Dadri
Ward No. 7, Railway Road, Charkhi Dadri

Sh. Gurdayal Sunheri, Chairman,
Zila Parishad, Kurukshetra
VPO Dunheri Khalsa, Kurukshetra

Sh. Kalyan Chauhan, Chairman,
Zila Parishad, Gurugram
VPO Wazirpur, Gurugram

Sh. Pushpinder Kumar, MC, Ward No. 8, Municipal Corporation, Ambala
#706, Durga Nagar, Ambala City

Sh. Satish Singhal,
Singhal Industrial Screws Pvt. Ltd., Link Road, Faridaba Old

Sh. Dinesh Arora,
Plot No. 55-56, Industrial Estate, Phase-I, Panchkula

Prof. Narsi R. Bishnoi, Department of Environmental Science &Engineering,
Guru Jambeshwar University of Science & Technology, HIsar

Member Secretary, Haryana State Pollution Control Board
C-11, Sector-6, Panchkula

Sh. Jagdeep Singh, IAS, Special Secretary Finance,
Finance Department Haryana

2.3 Staff Strength of HSPCB

Sr. No.	Name of the Post	Sanctioned Strength	Filled up	Vacant	Remarks
Group A					
1	Chairman	01	01	-	
2	Member Secretary	01	01	-	
3	Sr. Environmental Engineer	02	02	-	
4	Sr. Scientist	01	01	-	
5	Environmental Engineer	21	09	12	1 on deputation
6	Scientist 'C'	07	01	06	
7	District Attorney	01	01	-	
8	Development Team Leader	01	-	01	
Group B					
1	Sr. Accounts Officer	01	01	-	
2	Accounts Officer	01	-	01	DC Rate
3	Administrative Officer	01	-	01	01 Superintendent re-employed
4	Law Officer	01	-	01	
5	Asstt. Distt. Attorney	03	02	01	
6	Scientist 'B'	20	12	08	
7	Asstt. Environmental Engineer	49	47	02	03 AEEs on deputation
8	Software Developer	01	-	01	
9	Tehsildar	01	01	-	
10	Superintendent	03	03	-	
11	Private Secretary	02	01	01	
Group C					
1	Section Officer (Accounts)	01	01	-	Re-employed
2	Jr. Software Developer	02	-	02	
3	Deputy Superintendent	01	01	-	
4	Statistical Assistant	01	-	01	
5	Sr. ScientificAssistant	07	-	07	
6	Jr. Scientific Assistant	10	-	10	

Sr. No.	Name of the Post	Sanctioned Strength	Filled up	Vacant	Remarks
7	Personal Assistant	01	-	01	
8	Jr. Environmental Engineer	13	04	09	02 JEEs on deputation
9	Sr. Scale Stenographer	03	-	03	
10	Assistant	32	18	14	04Assistants Engaged on DC rate
11	Accountant	04	01	03	03Engaged on DC rate through outsorcing agency
13	Junior Scale Stenographer	02	-	02	
14	Accounts Clerk	02	-	02	
15	Steno-Typist	08	01	07	
16	Clerk	22	10	12	
17	Driver	17	10	07	
18	Lab Attendant	10	03	03	
Group D					
1	Daftri	01	01	-	
2	Senior Peon	02	01	01	
3	Peon	30	22	08	
4	Mali-cum-Chowkidar	02	02	-	02 posts were sanctioned in in diminishing cadre
5	Field Attendant	10	09	01	
6	Sweeper	01	01	-	01 post was sanctioned in in diminishing cadre

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 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;
- 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;

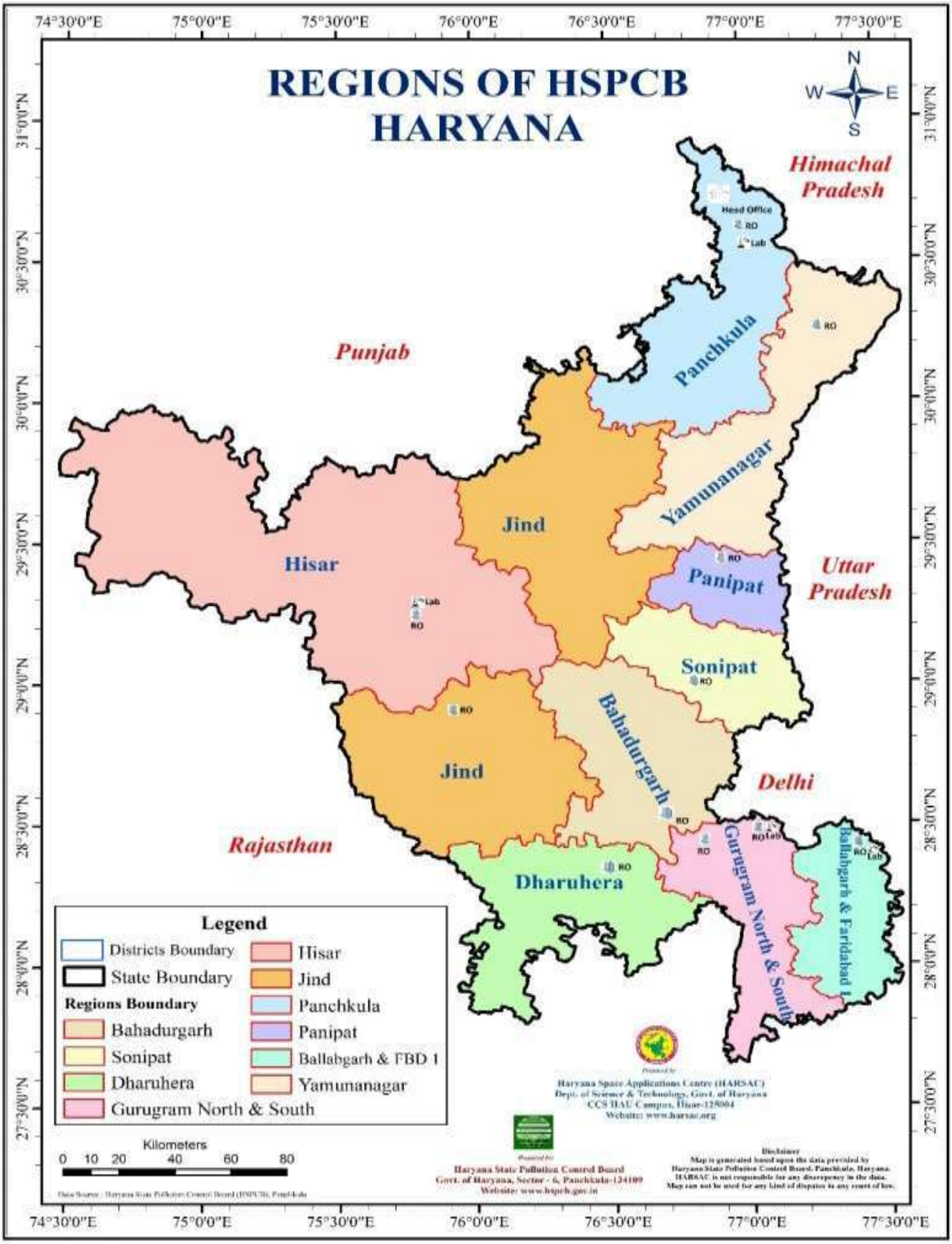
- To lay down effluent standards to be complied with by persons while causing discharge of sewage or sullage or both, and to lay down, modify or annual effluent standards for the sewage and trade effluent;
- To advice the State Government with respect to the suitability of the any premises or location 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 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, Gurugram, Manesar, Faridabad (2 nos. i.e. Faridabad and Ballabgarh), Bahadurgarh, Sonepat, Panipat, Panchkula, Hisar, Yamuna Nagar andJind at Bhiwani.

The Board has established four laboratories at Panchkula, Gurugram, Faridabad and 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.


REGIONS OF HSPCB
HARYANA
N
W
E
S
Himachal Pradesh
Punjab
Uttar Pradesh
Rajasthan
Delhi
Head Office
RO
Lab
Panchkula
Yamunanagar
Jind
Hisar
Panipat
Sonipat
Bahadurgarh
Jind
Dharuhera
Gurugram North & South
Ballabgarh & Faridabad
Legend
Districts Boundary
State Boundary
Regions Boundary
Bahadurgarh
Sonipat
Dharuhera
Gurugram North & South
Hisar
Jind
Panchkula
Panipat
Ballabgarh & FBD 1
Yamunanagar
Kilometers
0 10 20 40 60 80
Haryana Space Applications Centre (HARSAC)
Dept. of Science & Technology, Govt. of Haryana
CCS HAU Campus, Hisar-125004
Website: www.harsac.org
Haryana State Pollution Control Board
Govt. of Haryana, Sector - 6, Panchkula-134109
Website: www.hspcb.gov.in
Disclaimer
Map is generated based upon the data provided by Haryana State Pollution Control Board, Panchkula, Haryana. HARSAC is not responsible for any discrepancy in the data. Map can not be used for any kind of disputes in any court of law.
74°30'0"E
75°0'0"E
75°30'0"E
76°0'0"E
76°30'0"E
77°0'0"E
77°30'0"E
31°0'0"N
30°30'0"N
30°0'0"N
29°30'0"N
29°0'0"N
28°30'0"N
28°0'0"N
27°30'0"N

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 Boardor 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 closure order
Bahadurgarh	0	0	1	27	28
Ballabgarh	0	0	13	21	34
Dharuhera	2	0	7	26	35
Faridabad	0	0	0	30	30
Gurugram (N)	0	7	1	14	22
Gurugram (S)	0	0	5	20	25
Hisar	0	5	4	5	14
Jind	4	4	13	23	44
Panchkula	2	6	1	29	38
Panipat	03	11	18	20	52
Sonepat	29	1	4	26	60
Yamuna	0	25	41	41	107
Total	**40**	**59**	**108**	**282**	**489**

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:-

(1) 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 both Water Act, 1974& Air Act, 1981
Bahadurgarh	0	0	0	0
Ballabgarh	0	0	0	0
Dharuhera	0	1	1	2
Faridabad	0	0	0	0
Gurugram (N)	0	0	0	0
Gurugram (S)	3	1	0	0
Hisar	0	0	0	0
Jind	0	0	3	5
Panchkula	0	0	0	0
Panipat	0	8	7	8
Sonepat	0	8	5	8
Yamuna Nagar	0	1	1	1
Total	**3**	**19**	**17**	**24**

(2) 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	0	0	0	0	0	0	0
Dharuhera	0	0	0	0	0	0	0	0
Faridabad	0	0	1	0	0	0	1	0
Gurugram (N)	0	2	0	0	0	1	0	3
Gurugram (S)	0	21	0	0	0	0	0	21
Hisar	0	1	0	0	16	0	16	1
Jind	0	0	0	1	3	0	3	1
Panchkula	0	1	0	1	0	1	0	3
Panipat	0	0	0	1	0	0	0	1
Sonepat	0	0	0	0	0	0	0	0
Yamuna Nagar	1	0	6	2	7	4	14	6
Total	**1**	**25**	**7**	**5**	**26**	**6**	**34**	**36**

(3) 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	18	1	19	1
Ballabgarh	1	3	3	10
Dharuhera	2	4	5	11
Faridabad	6	34	1	2
Gurugram (N)	88	4	5	0

Gurugram (S)	210	1	0	0
Hisar	0	0	15	0
Jind	1	4	14	5
Panchkula	0	4	0	24
Panipat	0	16	15	19
Sonepat	6	12	7	18
Yamuna Nagar	3	2	2	1
Total	**335**	**85**	**86**	**91**

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 Industriesin Haryana as per the said 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	77	77	0	0	0	0	0
Ballabgarh	118	118	0	0	0	0	0
Dharuhera	12	11	1	0	0	0	1
Faridabad	14	14	0	0	0	0	0
Gurugram (N)	126	125	1	1	0	0	0
Gurugram (S)	113	113	0	0	0	0	0
Hisar	0	0	0	0	0	0	0
Jind	2	2	0	0	0	0	0
Panchkula	45	37	8	8	0	0	0
Panipat	12	11	1	0	0	1	0
Sonepat	116	116	0	0	0	0	0
Yamuna Nagar	9	9	0	0	0	0	0
Total	**644**	**633**	**11**	**9**	**0**	**1**	**1**

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, beingAluminium 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 Industriesis 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	25	25	25	22	0	0	0	0
Ballabgarh	4	4	4	4	0	0	0	0
Dharuhera	1	1	1	1	0	0	0	0
Faridabad	1	1	1	1	0	0	0	0
Gurugram (N)	1	1	1	1	0	0	0	0
Gurugram (S)	2	2	2	2	0	0	0	0
Hisar	3	3	3	3	0	0	0	0
Jind	8	8	8	4	0	0	0	0
Panchkula	12	11	11	11	1	0	0	0
Panipat	9	9	8	7	0	0	1	0
Sonepat	16	0	15	0	1	0	0	0
Yamuna Nagar	16	15	15	15	1	0	0	0
Total	**98**	**80**	**94**	**71**	**3**	**0**	**1**	**0**

CHAPTER 6: AWARENESS PROGRAMMES

6.1 Awareness Programmes

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

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

Regional Office	No. of Awareness Programmes Organised
Bahadurgarh	13
Ballabgarh	13
Dharuhera	20
Faridabad	8
Gurugram (N)	24
Gurugram (S)	13
Hisar	5
Jind	17
Panchkula	22
Panipat	7
Sonepat	18
Yamuna Nagar	26
Total	**186**

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	34	8	0
Ballabgarh	36	8	4
Dharuhera	8	1	9
Faridabad	05	00	00
Gurugram (N)	6	22	1
Gurugram (S)	62	31	8
Hisar	9	4	3
Jind	27	0	27
Panchkula	0	0	0
Panipat	14	02	16
Sonepat	52	5	0
Yamuna Nagar	49	8	1
Total	**302**	**89**	**69**

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	0	0	0
Ballabgarh	7	0	1
Dharuhera	0	4	1
Faridabad	9	0	0
Gurugram (N)	5	5	0
Gurugram (S)	0	0	5
Hisar	0	0	0
Jind	6	0	6
Panchkula	10	0	0
Panipat	7	2	0

Sonepat	3	1	0
Yamuna Nagar	10	0	0
Total	**57**	**12**	**13**

Detail of new STPs installed in various towns

Region	No. of new STPs installed	No. of towns where new STPs installed	Capacity
Bahadurgarh	0	0	0
Ballabgarh	0	0	0
Dharuhera	1	1	8 MLD
Faridabad	0	0	0
Gurugram (N)	1	Nuh	3.6MLD
Gurugram (S)	0	0	0
Hisar	4	Fatehabad Narnaund Lalpurta Road, Hansi Jkahal	18.5 MLD
Jind	1	1	9 MLD
Panchkula	0	0	0
Panipat	2	1	30.8 MLD
Sonepat	0	0	0
Yamuna Nagar	1	PHED DIVISION NO 2, SDE (10 MLD STP), Gogripur, Karnal	10 MLD
Total	**10**		**79.9 MLD**

Detail of new CETPs installed in industrial clusters/estates

Region	No. of new CETPs installed	Location	Capacity
Bahadurgarh	0	0	0
Ballabgarh	0	0	0
Dharuhera	0	0	0

Faridabad	0	0	0
Gurugram (N)	0	0	0
Gurugram (S)	0	0	0
Hisar	0	0	0
Jind	0	0	0
Panchkula	0	0	0
Panipat	0	0	0
Sonepat	0	0	0
Yamuna Nagar	0	0	0
Total	0	0	0

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	55	0
Ballabgarh	25	0
Dharuhera	25	7
Faridabad	0	0
Gurugram (N)	16	0
Gurugram (S)	07	0
Hisar	10	0
Jind	56	2
Panchkula	5	1
Panipat	11	0
Sonepat	110	5
Yamuna Nagar	126	3
Total	**446**	**18**

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 2018-19, Cess amount of ₹2,48,65,072/-has been collected pending before introducton of Goods and Service Tax Act, 2017 and the Region wise detail is given as under:-

Name of the Region	Cess Assessed (In ₹)	Cess Collection (In ₹)
Bahadurgarh	2989113	1682448
Ballabgarh	109433	304799
Dharuhera	1810	300270
Faridabad	219950	1201106
Gurugram (N)	538722	2546367
Gurugram (S)	940324	511229
Hisar	97391	2285466
Jind	308799	879121
Panchkula	200106	460085
Panipat	371035	1090093
Sonepat	348754	953604
Yamuna Nagar	315324	966482
Total	6440761	13181070

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, nikel 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.

9.2 Continuous Ambient Air Quality Monitoring Report

The Haryana State Pollution Control Board has set up 23 Continuous Ambient Air Quality monitoring stations at most of the District Head Quarters in the State. Continuous data of Ambient Air Quality being monitored at these stations is being displayed at prominent places in these towns and also connected to the main server of the Board and CPCB. This has facilitated generation of Ambient Air Quality data on continuous basis for better management of air quality.

Continuous Ambient Air Quality Monitoring Report has been tabulated for the cities of Manesar, Bhiwan, Bahadurgarh, Palwal, Ballabhgarh, Sonepat, Mewat, Dharuhera, Panipat, Yamuna Nagar, Mohindergarh, Kurukshetra, Jind, Fatehabad, Karnal, Ambala, Hisar, Sirsa, Kaithal, Gurgaon, Rohtak, Panchkula and Faridabad. The data has been presented in the form of tables.

The table highlights the monthly average of air pollutants, wherein rows represents the period and the columns represent the unit of measurement of the pollutant. The pollutants highlighted incolumns are Particulate Matter (PM2.5), Nitrogen di-oxide (NO2), Nitrogen Oxide (NOx) and Ozone (O3), Carbon Monoxide (CO), Nitric Oxide (NO) and Sulphur Dioxide (SO2) and Benzene.

(1) Continuous Ambient Air Quality Monitoring Station at Gurugram

Monitoring Location: HSPCB, Vikas Sadn, Opp. New Court, Gurugram							
Monitoring Agency: ENVIRONNEMENT SA INDIA PVT LTD							
Parameters/Units	**$PM_{2.5}$**	**CO**	**NO**	**NO_2**	**NO_X**	**O_3**	**SO_2**
Months	**µg/m³**	**mg/m³**	**µg/m³**	**µg/m³**	**µg/m³**	**µg/m³**	**µg/m³**
Apr-18	132.10	0.88	8.99	23.97	16.70	61.53	12.71
May-18	131.91	1.02	9.33	24.19	17.74	68.47	13.58
Jun-18	143.94	1.00	9.16	23.58	22.47	38.82	6.92
Jul-18	55.33	0.71	8.49	23.81	22.35	26.07	5.70
Aug-18	67.99	0.58	12.93	22.74	22.29	18.37	5.92
Sep-18	61.63	0.49	25.50	22.38	31.60	15.77	6.75
Oct-18	149.96	0.93	52.32	56.68	76.82	33.53	8.06
Nov-18	142.33	0.99	58.98	52.05	72.17	35.58	11.24
Dec-18	140.03	1.21	101.03	57.43	108.35	29.19	13.10
Jan-19	148.71	1.04	68.92	53.54	83.14	30.16	12.75
Feb-19	89.40	0.74	61.88	125.29	106.06	34.08	10.59
Mar-19	76.59	0.42	21.37	20.54	23.77	29.49	13.52
Minimum	**55.33**	**0.42**	**8.49**	**20.54**	**16.70**	**15.77**	**5.70**
Maximum	**149.96**	**1.21**	**101.03**	**125.29**	**108.35**	**68.47**	**13.58**
Average	**111.66**	**0.83**	**36.57**	**42.18**	**50.29**	**35.09**	**10.07**

(2) Continuous Ambient Air Quality Monitoring Station at Panchkula

Monitoring Location: HSPCB, C-11, Sector-6, Panchkula							
Monitoring Agency: ENVIRONNEMENT SA INDIA PVT LTD							
Parameters/Units	**$PM_{2.5}$**	**CO**	**NO**	**NO_2**	**NO_X**	**O_3**	**SO_2**
Months	**µg/m³**	**mg/m³**	**µg/m³**	**µg/m³**	**µg/m³**	**µg/m³**	**µg/m³**
Apr-18	41.61	0.96	7.34	24.04	20.27	41.09	7.08
May-18	52.24	0.72	6.54	23.61	20.42	54.39	8.25
Jun-18	89.06	1.03	5.74	21.28	19.03	54.15	7.27
Jul-18	41.36	0.65	6.35	19.35	18.96	51.39	6.95
Aug-18	31.57	0.60	5.76	20.15	18.71	34.36	6.42
Sep-18	29.80	0.73	7.34	20.78	18.93	40.12	5.96
Oct-18	35.95	0.91	10.71	20.12	20.54	44.19	4.89
Nov-18	52.18	0.77	6.93	19.96	15.58	34.61	5.86
Dec-18	56.83	0.54	7.83	20.34	16.25	33.53	5.05
Jan-19	58.31	0.53	5.69	21.01	15.09	27.97	5.63
Feb-19	37.30	0.48	6.71	20.40	15.94	33.01	5.78
Mar-19	36.92	0.44	5.43	20.95	15.47	34.61	5.73
Minimum	**29.80**	**0.44**	**5.43**	**19.35**	**15.09**	**27.97**	**4.89**
Maximum	**89.06**	**1.03**	**10.71**	**24.04**	**20.54**	**54.39**	**8.25**
Average	**46.93**	**0.70**	**6.86**	**21.00**	**17.93**	**40.29**	**6.24**

(3) Continuous Ambient Air Quality Monitoring Station at Rohtak

Monitoring Agency: ENVIRONNEMENT SA INDIA PVT LTD							
Monitoring Location: MDU, Rohtak							
Parameters/Units	**$PM_{2.5}$**	**CO**	**NO**	**NO_2**	**NO_X**	**O_3**	**SO_2**
Months	**µg/m³**	**mg/m³**	**µg/m³**	**µg/m³**	**µg/m³**	**µg/m³**	**µg/m³**
Apr-18	108.80	1.02	16.31	16.08	24.15	27.19	15.57
May-18	74.87	1.00	7.40	17.52	22.99	22.47	5.21
Jun-18	72.51	0.95	15.90	23.78	24.11	25.99	20.10
Jul-18	39.14	0.77	12.99	21.42	19.66	25.94	16.54
Aug-18	45.31	0.80	11.14	18.02	17.58	25.50	17.73
Sep-18	49.59	0.80	13.93	23.84	23.50	25.04	23.35
Oct-18	56.86	0.75	10.62	33.90	29.48	21.76	12.46
Nov-18	81.28	1.01	8.93	29.45	25.99	19.52	17.23
Dec-18	82.32	1.00	10.01	26.61	26.27	20.23	12.65
Jan-19	69.53	0.94	14.04	34.09	39.43	14.77	13.77
Feb-19	80.10	0.92	2.61	14.42	25.06	17.68	14.42
Mar-19	59.92	0.98	3.34	14.18	20.09	21.23	19.75
Minimum	**39.14**	**0.75**	**2.61**	**14.18**	**17.58**	**14.77**	**5.21**
Maximum	**108.80**	**1.02**	**16.31**	**34.09**	**39.43**	**27.19**	**23.35**
Average	**68.35**	**0.91**	**10.60**	**22.78**	**24.86**	**22.28**	**15.73**

(4) Continuous Ambient Air Quality Monitoring Station at Ambala

Monitoring Location : Mehar Patti, Ambala									
Monitoring Agency: Environnement SA India Pvt. Ltd									
Parameters	**NO**	**NO2**	**NOx**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
Months	**µg/m³**	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Jan-19	19.38	28.91	24.15	*	205.40	0.99	16.71	76.67	183.83
Feb-19	34.94	48.03	67.17	23.15	8.10	1.98	9.93	87.30	174.01
Mar-19	11.73	23.60	25.29	32.46	39.00	0.41	51.78	34.97	110.19
Minimum	**11.73**	**23.60**	**24.15**	**23.15**	**8.10**	**0.41**	**9.93**	**34.97**	**110.19**
Maximum	**34.94**	**48.03**	**67.17**	**32.46**	**205.40**	**1.98**	**51.78**	**87.30**	**183.83**
Average	**22.02**	**33.52**	**38.87**	**27.81**	**84.17**	**1.13**	**26.14**	**66.31**	**156.01**
Station Start on January 2019									

(5) Continuous Ambient Air Quality Monitoring Station at Bahadurgah

Monitoring Location : Arya Nagar, Bahadurgarh									
Monitoring Agency: Environnement SA India Pvt. Ltd									
Parameters	**NO**	**NO2**	**NOx**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
Months	**µg/m³**	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Jan-19	41.29	59.37	81.01	78.42	4.99	1.30	12.82	186.85	300.38
Feb-19	26.04	57.32	51.19	26.85	3.60	0.94	12.10	80.72	141.32
Mar-19	15.43	32.08	21.11	17.26	5.39	0.70	18.80	63.58	111.73
Minimum	**15.43**	**32.08**	**21.11**	**17.26**	**3.60**	**0.70**	**12.10**	**63.58**	**111.73**
Maximum	**41.29**	**59.37**	**81.01**	**78.42**	**5.39**	**1.30**	**18.80**	**186.85**	**300.38**
Average	**27.59**	**49.59**	**51.10**	**40.84**	**4.66**	**0.98**	**14.57**	**110.38**	**184.48**
Station Start on January 2019									

(6) Continuous Ambient Air Quality Monitoring Station at Bahadurgah

Monitoring Location : Nathu Colony, Ballabgarh									
Monitoring Agency: Environnement SA India Pvt. Ltd									
Parameters	**NO**	**NO2**	**NOx**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
Months	**µg/m³**	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Jan-19	48.66	45.77	69.14	58.44	9.70	1.91	8.41	243.34	348.27
Feb-19	34.88	47.80	67.22	24.47	8.12	1.98	9.97	87.59	172.79
Mar-19	24.28	39.70	57.94	114.20	12.74	1.53	17.25	99.38	259.62
Minimum	**24.28**	**39.70**	**57.94**	**24.47**	**8.12**	**1.53**	**8.41**	**87.59**	**172.79**
Maximum	**48.66**	**47.80**	**69.14**	**114.20**	**12.74**	**1.98**	**17.25**	**243.34**	**348.27**
Average	**35.94**	**44.42**	**64.77**	**65.70**	**10.19**	**1.81**	**11.87**	**143.44**	**260.23**
Station Start on January 2019									

(7) Continuous Ambient Air Quality Monitoring Station at Bhiwani

Monitoring Location : H.B.Colony, Bhiwani									
Monitoring Agency: Environnement SA India Pvt. Ltd									
Parameters	**NO**	**NO2**	**NOx**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
Months	**µg/m³**	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Jan-19	6.19	41.71	39.41	31.41	20.02	1.01	19.29	71.66	128.82
Feb-19	2.31	43.76	26.77	27.44	17.53	0.84	13.09	50.72	98.20
Mar-19	2.86	30.95	20.62	27.25	20.62	0.60	21.30	52.46	88.11
Minimum	**2.31**	**30.95**	**20.62**	**27.25**	**17.53**	**0.60**	**13.09**	**50.72**	**88.11**
Maximum	**6.19**	**43.76**	**39.41**	**31.41**	**20.62**	**1.01**	**21.30**	**71.66**	**128.82**
Average	**3.79**	**38.80**	**28.93**	**28.70**	**19.39**	**0.82**	**17.90**	**58.28**	**105.04**
Station Start on January 2019									

(8) Continuous Ambient Air Quality Monitoring Station at Dharuhera

Monitoring Location : Muncipal Corporation Office, Dharuhera									
Monitoring Agency: Environnement SA India Pvt. Ltd									
Parameters	**NO**	**NO2**	**NOx**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
Months	**µg/m³**	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Jan-19	25.79	45.73	44.04	96.16	27.51	1.30	32.63	137.31	226.47
Feb-19	21.14	48.22	39.74	35.71	18.16	1.82	28.77	156.64	84.39
Mar-19	19.26	50.02	39.18	16.62	20.46	2.30	34.59	68.59	126.72
Minimum	**19.26**	**45.73**	**39.18**	**16.62**	**18.16**	**1.30**	**28.77**	**68.59**	**84.39**
Maximum	**25.79**	**50.02**	**44.04**	**96.16**	**27.51**	**2.30**	**34.59**	**156.64**	**226.47**
Average	**22.06**	**47.99**	**40.98**	**49.50**	**22.05**	**1.80**	**32.00**	**120.85**	**145.86**
Station Start on January 2019									

(9) Continuous Ambient Air Quality Monitoring Station at Fatehabad

Monitoring Location : Huda Sector , Fatehabad									
Monitoring Agency: Environnement SA India Pvt. Ltd									
Parameters	**NO**	**NO2**	**NOx**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
Months	**µg/m³**	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Jan-19	11.19	6.02	16.93	8.16	22.49	0.79	12.98	117.49	185.29
Feb-19	7.89	18.24	15.93	43.78	23.50	1.09	51.46	63.70	139.95
Mar-19	5.29	17.31	13.34	23.58	4.33	0.56	69.17	55.02	135.92
Minimum	**5.29**	**6.02**	**13.34**	**8.16**	**4.33**	**0.56**	**12.98**	**55.02**	**135.92**
Maximum	**11.19**	**18.24**	**16.93**	**43.78**	**23.50**	**1.09**	**69.17**	**117.49**	**185.29**
Average	**8.12**	**13.85**	**15.40**	**25.17**	**16.77**	**0.81**	**44.54**	**78.73**	**153.72**
Station Start on January 2019									

(10) Continuous Ambient Air Quality Monitoring Station at Hisar

Monitoring Location : Urbun State-II, Hisar									
Monitoring Agency: Environnement SA India Pvt. Ltd									
Parameters	**NO**	**NO2**	**NOx**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
Months	**µg/m³**	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Jan-19	22.45	19.90	25.42	6.41	20.93	1.22	23.05	150.04	217.76
Feb-19	13.93	38.65	31.53	19.05	16.55	0.70	33.18	81.84	146.15
Mar-19	7.74	21.76	19.87	32.57	26.47	0.61	55.40	55.55	110.87
Minimum	**7.74**	**19.90**	**19.87**	**6.41**	**16.55**	**0.61**	**23.05**	**55.55**	**110.87**
Maximum	**22.45**	**38.65**	**31.53**	**32.57**	**26.47**	**1.22**	**55.40**	**150.04**	**217.76**
Average	**14.71**	**26.77**	**25.60**	**19.34**	**21.32**	**0.84**	**37.21**	**95.81**	**158.26**
Station Start on January 2019									

(11) Continuous Ambient Air Quality Monitoring Station at Jind

Monitoring Location : Police Line, Jind									
Monitoring Agency: Environnement SA India Pvt. Ltd									
Parameters	**NO**	**NO2**	**NOx**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
Months	**µg/m³**	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Jan-19	34.81	38.47	36.20	39.81	19.15	11.44	38.92	88.64	170.40
Feb-19	8.80	32.30	20.08	69.67	9.08	0.55	42.74	82.57	147.61
Mar-19	6.91	25.39	15.04	64.21	11.87	0.43	51.35	58.91	128.54
Minimum	**6.91**	**25.39**	**15.04**	**39.81**	**9.08**	**0.43**	**38.92**	**58.91**	**128.54**
Maximum	**34.81**	**38.47**	**36.20**	**69.67**	**19.15**	**11.44**	**51.35**	**88.64**	**170.40**
Average	**16.84**	**32.05**	**23.77**	**57.90**	**13.37**	**4.14**	**44.34**	**76.71**	**148.85**
Station Start on January 2019									

(12) Continuous Ambient Air Quality Monitoring Station at Kaithal

Monitoring Location : Rishi Nagar, Kaithal									
Monitoring Agency: Environnement SA India Pvt. Ltd									
Parameters	**NO**	**NO2**	**NOx**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
Months	**µg/m³**	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Jan-19	4.29	28.76	18.53	*	16.33	0.63	29.77	104.21	181.64
Feb-19	6.53	24.82	17.58	27.12	11.39	0.64	36.94	79.15	141.90
Mar-19	3.21	15.54	9.42	59.65	10.00	0.39	49.79	55.71	98.61
Minimum	**3.21**	**15.54**	**9.42**	**27.12**	**10.00**	**0.39**	**29.77**	**55.71**	**98.61**
Maximum	**6.53**	**28.76**	**18.53**	**59.65**	**16.33**	**0.64**	**49.79**	**104.21**	**181.64**
Average	**4.68**	**23.04**	**15.18**	**43.38**	**12.57**	**0.55**	**38.83**	**79.69**	**140.72**
Station Start on January 2019									

(13) Continuous Ambient Air Quality Monitoring Station at Karnal

Monitoring Location : Sector-12, Karnal									
Monitoring Agency: Environnement SA India Pvt. Ltd									
Parameters	**NO**	**NO2**	**NOx**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
Months	**µg/m³**	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Jan-19	48.54	35.23	52.80	5.79	29.87	1.15	28.86	73.41	194.55
Feb-19	16.41	27.38	24.40	34.57	23.78	0.73	29.46	69.18	125.70
Mar-19	6.68	18.84	24.41	47.65	20.28	0.55	47.70	56.68	126.75
Minimum	**6.68**	**18.84**	**24.40**	**5.79**	**20.28**	**0.55**	**28.86**	**56.68**	**125.70**
Maximum	**48.54**	**35.23**	**52.80**	**47.65**	**29.87**	**1.15**	**47.70**	**73.41**	**194.55**
Average	**23.88**	**27.15**	**33.87**	**29.34**	**24.64**	**0.81**	**35.34**	**66.42**	**149.00**
Station Start on January 2019									

(14) Continuous Ambient Air Quality Monitoring Station at Kurukshetra

Monitoring Location : Sector-7, Kurukshetra									
Monitoring Agency: Environnement SA India Pvt. Ltd									
Parameters	**NO**	**NO2**	**NOx**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
Months	**µg/m³**	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Jan-19	17.08	37.41	32.42	*	24.51	0.97	38.70	108.28	180.94
Feb-19	17.08	37.41	32.42	*	24.51	0.97	38.70	108.28	180.94
Mar-19	3.87	19.41	14.23	34.78	13.93	0.45	55.41	42.08	104.56
Minimum	**3.87**	**19.41**	**14.23**	**34.78**	**13.93**	**0.45**	**38.70**	**42.08**	**104.56**
Maximum	**17.08**	**37.41**	**32.42**	**34.78**	**24.51**	**0.97**	**55.41**	**108.28**	**180.94**
Average	**12.67**	**31.41**	**26.35**	**34.78**	**20.98**	**0.79**	**44.27**	**86.21**	**155.48**
Station Start on January 2019									

(15) Continuous Ambient Air Quality Monitoring Station at Mewat

Monitoring Location : General Hospital Mandikhera(Mewat)									
Monitoring Agency: Environnement SA India Pvt. Ltd									
Parameters	**NO**	**NO2**	**NOx**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
Months	**µg/m³**	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Jan-19	49.08	37.68	86.76	*	9.38	1.10	26.03	98.07	138.07
Feb-19	21.11	22.64	42.83	23.53	7.55	0.71	25.98	69.89	112.87
Mar-19	15.54	14.64	22.21	22.17	7.11	0.71	19.48	53.65	107.31
Minimum	**15.54**	**14.64**	**22.21**	**22.17**	**7.11**	**0.71**	**19.48**	**53.65**	**107.31**
Maximum	**49.08**	**37.68**	**86.76**	**23.53**	**9.38**	**1.10**	**26.03**	**98.07**	**138.07**
Average	**28.58**	**24.99**	**50.60**	**22.85**	**8.02**	**0.84**	**23.83**	**73.87**	**119.42**
Station Start on January 2019									

(16) Continuous Ambient Air Quality Monitoring Station at Manesar

Monitoring Location : Sector-2 IMT, Manesar									
Monitoring Agency: Environnement SA India Pvt. Ltd									
Parameters	**NO**	**NO2**	**NOx**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
Months	**µg/m³**	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Jan-19	42.50	29.78	64.76	41.67	5.42	0.84	16.83	140.87	210.87
Feb-19	50.93	49.13	54.76	39.51	11.96	1.28	20.86	89.45	154.41
Mar-19	35.01	50.64	49.52	96.50	31.70	1.44	27.66	66.07	155.24
Minimum	**35.01**	**29.78**	**49.52**	**39.51**	**5.42**	**0.84**	**16.83**	**66.07**	**154.41**
Maximum	**50.93**	**50.64**	**64.76**	**96.50**	**31.70**	**1.44**	**27.66**	**140.87**	**210.87**
Average	**42.81**	**43.18**	**56.35**	**59.23**	**16.36**	**1.19**	**21.78**	**98.80**	**173.51**
Station Start on January 2019									

(17) Continuous Ambient Air Quality Monitoring Station at Narnaul

Monitoring Location : Shastri Nagar, Narnaul									
Monitoring Agency: Environnement SA India Pvt. Ltd									
Parameters	**NO**	**NO2**	**NOx**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
Months	**µg/m³**	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Jan-19	23.25	38.67	40.15	*	13.18	2.53	9.35	88.57	162.54
Feb-19	28.71	40.17	38.18	44.25	7.18	0.58	22.01	72.69	120.61
Mar-19	8.52	20.15	25.67	37.48	4.88	0.46	44.71	57.73	109.13
Minimum	**8.52**	**20.15**	**25.67**	**37.48**	**4.88**	**0.46**	**9.35**	**57.73**	**109.13**
Maximum	**28.71**	**40.17**	**40.15**	**44.25**	**13.18**	**2.53**	**44.71**	**88.57**	**162.54**
Average	**20.16**	**33.00**	**34.67**	**40.86**	**8.41**	**1.19**	**25.35**	**73.00**	**130.76**
Station Start on January 2019									

(18) Continuous Ambient Air Quality Monitoring Station at Palwal

Monitoring Location : Shyam Nagar, Palwal									
Monitoring Agency: Environnement SA India Pvt. Ltd									
Parameters	**NO**	**NO2**	**NOx**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
Months	**µg/m³**	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Jan-19	61.01	26.60	46.91	145.70	6.90	1.39	10.12	130.54	190.57
Feb-19	94.66	11.50	85.78	175.65	4.19	1.25	19.51	80.38	135.21
Mar-19	52.14	23.46	46.72	174.86	8.63	1.51	28.43	67.44	138.82
Minimum	**52.14**	**11.50**	**46.72**	**145.70**	**4.19**	**1.25**	**10.12**	**67.44**	**135.21**
Maximum	**94.66**	**26.60**	**85.78**	**175.65**	**8.63**	**1.51**	**28.43**	**130.54**	**190.57**
Average	**69.27**	**20.52**	**59.81**	**165.41**	**6.57**	**1.38**	**19.35**	**92.79**	**154.87**
Station Start on January 2019									

(19) Continuous Ambient Air Quality Monitoring Station at Panipat

Monitoring Location : Sector-18, Panipat									
Monitoring Agency: Environnement SA India Pvt. Ltd									
Parameters	**NO**	**NO2**	**NOx**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
Months	**µg/m³**	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Jan-19	55.45	48.65	61.77	57.87	37.44	1.15	22.07	107.21	159.65
Feb-19	56.02	32.68	61.35	104.48	15.66	0.59	20.52	68.70	98.93
Mar-19	53.81	49.09	68.48	58.57	20.39	0.46	28.70	40.01	98.23
Minimum	**53.81**	**32.68**	**61.35**	**57.87**	**15.66**	**0.46**	**20.52**	**40.01**	**98.23**
Maximum	**56.02**	**49.09**	**68.48**	**104.48**	**37.44**	**1.15**	**28.70**	**107.21**	**159.65**
Average	**55.09**	**43.47**	**63.87**	**73.64**	**24.50**	**0.73**	**23.76**	**71.97**	**118.93**
Station Start on January 2019									

(20) Continuous Ambient Air Quality Monitoring Station at Sirsa

Monitoring Location : F-Block, Sirsa									
Monitoring Agency: Environnement SA India Pvt. Ltd									
Parameters	**NO**	**NO2**	**NOx**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
Months	**µg/m³**	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Jan-19	45.88	16.54	61.41	*	26.21	0.92	14.42	113.67	186.61
Feb-19	41.57	27.22	67.32	29.22	31.20	0.55	18.87	84.62	126.30
Mar-19	13.82	22.94	35.01	17.29	12.09	0.39	64.46	53.46	105.11
Minimum	**13.82**	**16.54**	**35.01**	**17.29**	**12.09**	**0.39**	**14.42**	**53.46**	**105.11**
Maximum	**45.88**	**27.22**	**67.32**	**29.22**	**31.20**	**0.92**	**64.46**	**113.67**	**186.61**
Average	**33.76**	**22.24**	**54.58**	**23.25**	**23.17**	**0.62**	**32.58**	**83.92**	**139.34**
Station Start on January 2019									

(21) Continuous Ambient Air Quality Monitoring Station at Sonipat

Monitoring Location : Murthal, Sonipat									
Monitoring Agency: Environnement SA India Pvt. Ltd									
Parameters	**NO**	**NO2**	**NOx**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
Months	**µg/m³**	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Jan-19	24.64	40.74	24.32	57.46	24.69	2.52	34.76	123.21	162.30
Feb-19	8.80	25.90	17.91	50.38	24.33	2.23	39.87	92.44	135.76
Mar-19	6.82	18.26	14.85	63.62	26.48	1.51	47.75	61.48	106.51
Minimum	**6.82**	**18.26**	**14.85**	**50.38**	**24.33**	**1.51**	**34.76**	**61.48**	**106.51**
Maximum	**24.64**	**40.74**	**24.32**	**63.62**	**26.48**	**2.52**	**47.75**	**123.21**	**162.30**
Average	**13.42**	**28.30**	**19.03**	**57.15**	**25.17**	**2.09**	**40.79**	**92.38**	**134.86**
Station Start on January 2019									

(22) Continuous Ambient Air Quality Monitoring Station at Yamuna Nagar

Monitoring Location : Gobindpura, Yamuna Nagar									
Monitoring Agency: Environnement SA India Pvt. Ltd									
Parameters	**NO**	**NO2**	**NOx**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
Months	**µg/m³**	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Jan-19	26.60	49.47	46.82	10.90	33.09	1.18	29.42	146.27	177.29
Feb-19	23.06	36.12	37.34	17.28	12.19	0.89	41.83	68.48	134.24
Mar-19	66.31	35.28	73.20	56.46	13.49	0.79	61.18	59.09	131.90
Minimum	**23.06**	**35.28**	**37.34**	**10.90**	**12.19**	**0.79**	**29.42**	**59.09**	**131.90**
Maximum	**66.31**	**49.47**	**73.20**	**56.46**	**33.09**	**1.18**	**61.18**	**146.27**	**177.29**
Average	**38.65**	**40.29**	**52.45**	**28.21**	**19.59**	**0.95**	**44.14**	**91.28**	**147.81**
Station Start on January 2019									

(23) Continuous Ambient Air Quality Monitoring Station at Faridabad

Monitoring Agency:	ENVIROTECH ONLINE EQUIPMENT PVT. LTD.						
Monitoring Location:	HSPCB,Sector-16-A, Faridabad						
Parameters/Units	**CO**	**SO_2**	**NO**	**NO_2**	**NOx**	**O_3**	**$PM_{2.5}$**
Months	**µg/m³**	**mg/m³**	**µg/m³**	**µg/m³**	**mg/m³**	**µg/m³**	**µg/m³**
Apr-18	*	17.7	33.43	68.2	101.6	59.03	86
May-18	*	19.87	37.93	82.7	120.6	61.87	88
Jun-18	*	4.7	8.14	43.31	51.48	48	70
Jul-18	*	3.02	9.13	24.77	33.61	28	50
Aug-18	*	3.37	7.9	29.23	37.06	11.26	58
Sep-18	*	3.69	4.99	44.04	49.19	17.97	59
Oct-18	*	9.45	7.39	94.77	100.52	42.84	144
Nov-18	2.33	7.71	5.8	76.4	82.27	40.57	221
Dec-18	2.43	14.88	3.26	100.45	100.74	28.39	214
Jan-19	2.02	17.23	3.72	92.17	95.79	23.07	192
Feb-19	1.34	10.71	4.04	62.04	65.96	21.64	110
Mar-19	1.12	8.53	4.1	57.23	61.13	30.06	71

- * Under Maintenance

CHAPTER 10: CONSENT UNDER WATER ACT, 1974 & AIR ACT, 1981

10.1 Categorization of Industrial Units/Projects

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	White	Total
Bahadurgarh	261	945	69	1	1276
Ballabgarh	501	558	49	9	1117
Dharuhera	171	572	43	5	791
Faridabad	136	301	33	00	470
Gurugram (N)	259	657	44	11	971
Gurugram (S)	310	362	156	0	828
Hisar	64	760	23	0	847
Jind	94	1477	33	0	1604
Panchkula	160	977	160	44	1341
Panipat	397	253	40	5	695
Sonepat	289	782	219	39	1329
Yamuna Nagar	313	1349	59	1	1722
Total	**2955**	**8993**	**928**	**115**	**12991**

10.2 Consent to Establishunder Water Act, 1974 & Air Act, 1981

All the industrial units/project covered under Red, Orange and Green 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 31.03.2017	Applications received during 2018-19	Total Applications received	Decided		Pending			
				Granted	Refused	Under SCN	Not dealt	Pending for decision	Total
Bahadurgarh	0	182	182	156	26	0	0	0	0
Ballabgarh	0	164	164	144	20	0	0	0	0
Dharuhera	0	112	112	79	32	0	0	1	1
Faridabad	0	48	48	37	11	0	0	0	0
Gurugram (N)	0	167	167	111	56	0	0	0	0
Gurugram (S)	0	243	243	208	35	0	0	0	0
Hisar	0	107	107	79	28	0	0	0	0
Jind	0	126	126	93	33	0	0	0	0
Panchkula	0	163	163	117	46	0	0	0	0
Panipat	6	65	71	35	31	0	0	5	5
Sonepat	0	326	326	257	69	0	0	0	0
Yamuna Nagar	0	342	342	271	71	0	0	0	0
Total	**6**	**2045**	**2051**	**1587**	**458**	**0**	**0**	**6**	**6**

10.3 Consent to Operate under Water Act, 1974 & Air Act, 1981

All the industrial units/projects covered under Red, Orange and Green 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	1276	1234	1216	18	0	0	0	0
Ballabgarh	1115	1115	1115	0	0	0	0	0
Dharuhera	801	299	218	70	0	0	11	11
Faridabad	470	470	470	0	0	0	0	0
Gurugram (N)	971	387	328	59	0	0	0	0
Gurugram (S)	378	378	342	36	0	0	0	0
Hisar	847	480	349	131	131	0	0	131
Jind	1303	1303	1194	27	0	0	20	20
Panchkula	1297	443	295	148	0	0	0	0
Panipat	681	610	581	14	0	0	1	1
Sonepat	1290	1287	1282	5	0	0	0	0
Yamuna Nagar	1722	1706	1700	6	0	0	0	0
Total	**12151**	**9712**	**9090**	**514**	**131**	**0**	**32**	**163**

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	306	304	302	2	0	0	0
Ballabgarh	861	861	861	0	0	0	0
Dharuhera	234	93	67	23	0	3	3
Faridabad	280	280	280	0	0	0	0
Gurugram (N)	624	235	192	43	0	0	0
Gurugram (S)	284	284	274	10	0	0	0
Hisar	106	72	47	25	0	0	0
Jind	102	102	97	4	0	1	1
Panchkula	299	84	78	6	0	0	0
Panipat	412	360	339	14	0	7	7
Sonepat	490	490	489	1	0	0	0
Yamuna Nagar	249	249	248	1	0	0	0
Total	**4247**	**3414**	**3274**	**129**	**0**	**11**	**11**

11.2 Status of units registeredfor recycling/re-processing of Hazardous Waste

Region	Total no. of Authorized		Total Quantity
	Recycler	Utilizer	
Bahadurgarh	54	5	163511.5 MTA and 455000 Nos.
Dharuhera	3	0	17397 MTA
Gurugram (N)	2	5	60900 MTA
Hisar	24	0	80753.8MTA
Panchkula	11	0	57868MTA
Panipat	2	0	903.1MTA
Sonepat	11	0	58.5 MTA &16022.5 KL/A
Yamuna Nagar	15	0	273050.0 MTA
Total	**122**	**10**	

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 theirauthorization 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.

There are total 192No. of units authorized as Traders for import ofother waste listed in Part-D of Schedule-III on behalf of the Actual users.

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 year2018-19at the facility is given as under:-

Description of hazardous waste		**Quantity in MT**
Quantity in Stock at the beginning of the year	Landfillable	0
	Incinerable	1317.06
Quantity of Hazardous Waste Received	For Landfill	10915.5
	For Incineration	13747.4
Quantity of Hazardous Waste Disposed	Quantity Land filled	10915.5
	Quantity Incinerated	604.495
Quantity Pre-Processed for Utilization as resource		
Quantity in Stock at the end of the year	Landfillable	0
	Incinerable	464.105
Cumulative HW dispoded in SLF by the end of financial year	SLF	10915.46
	Incinerator	604.495
Capacity	**Incinerator (Kcal)**	
	Incinerator (T/H)	2.5 Millon
	Landfill (MT/A)	32 year

11.5 Annual Report under Hazardous Waste Management Rules

The Annual Report for the year 2018-19 under Hazardous Waste (M&TM) Rules, 2016showing detail of Hazardous waste generated, recycled, utilized and disposed, is given as under:-

11. Details of Hazardous Waste Generation

S. No.	Name of the District	Total Number of HW Generating Industry	Number of units possessing authorization	Number of units exempted from obtaining authorization	Number of HW units submitted annual returns	Authorized quantity of Hazardous Waste (Metric Tonne)				Total Quantity	Quantity of Hazardous Waste generated as per Annual Return within the State/UT (MT)				Total Quantity	Details on Import and Export of Hazardous Waste			
						Landfillable	Incinerable	Recyclable	Utilization		Landfillable	Incinerable	Recyclable	Utilization		Quantity of HW imported during the year (MT)	Type of Waste	Quantity of HW exported during the year (MT)	Type of Waste
					1	2	3	4	5		6	7	8	9		10	11	12	13
1	Gurugram	573	564	0	573	1346.234	11727.372	2154.775	3651 44	18879.821	112.139	8304.854	1345.5067	1355.05	11117.5497	0	0	0	0
2	Nuh	53	52	0	53	343.8283	2666.341	105.9	31900	35016.0693	213.2061	150.999	70.865	5633.686	6068.7561	0	0	0	0
3	FBD	746	746	0	746	5093.10	1295.65	664.25	0	7053.00	4630.09	1177.86	632.62	0	6440.57	0	0	0	0
4	PWL	149	149	0	149	1107.9	1045.17	46.33	0	2199.4	1007.18	950.15	44.13	0	2001.46	0	0	0	0
5	Rewari	239	239	0	239	3091	6152	2213.36	2696.19	14152.55	1194.01	476.36	20120	550	22340.37	501.65	HW	0	HW
6	Mahendargarh	5	5	0	5	0	15	0	1.5	16.5	7.03	0	2199	0	2206.03	0	HW	0	HW
7	Panipat	357	357	0	357	2160.551	295.6	4359.87	0	6816.021	1915.75	272.53	3420.8	0	5609.08	0	na	0	na
8	Sonipat	410	13	0	410	2065.59	88.25	102.78	0	2256.62	1482.39	76.09	92.97	0	1651.45	10284.884	Recyclable	0	--
9	Faridabad	210	210	0	210	1475	408.23	41.13	0	1924.36	790.285	633.375	41.13	0	1464.79	0	0	0	0
12	Jind	20	20	0	20	5.08	7.85	0.5	20	33.43	4	6.5	0.2	0	10.7	0	0	0	0
13	Bhiwani	35	35	0	35	57.75	4.25	1.9	45	108.9	32.95	2.53	0.79	0	36.27	0	0	0	0
14	Charkhi Dadri	4	4	0	4	0	0.65	0.01	28	28.66	0	0.32	0.01	0	0.33	0	0	0	0
15	Kaithal	5	5	0	5	2.35	3	0	0	5.35	2.27	3	0	0	5.27	0	0	0	0
16	Jhajjar	188	187	0	187	425.4755	239	72.31	0	736.7855	185.376	126.791	42.343	0	354.51	0	0	0	0
17	Rohtak	118	118	0	118	1133.826	558.04	25.3315	12	1729.1975	995.072	456.03	15.9585	19.75	1486.8105	0	0	0	0
18	Hisar	83	82	0	10	356.91	3	48732.41	14	49106.32	80.23	2.08	23331	0	23413.31	0	NA	0	NA
19	Fatehabad	11	11	0	3	23.88	0	7500.02	35	7558.9	2.4	0	1814.55	2	1818.95	0	NA	0	NA
20	Sirsa	11	11	0	11	16.175	0.27	1000.01	0	1016.45	11.86	0.25	956.36	0	968.47	0	NA	0	NA
21	Gurugram South	785	762	0		6118	9890	1029	0	17037	1315.23	7447.66	561	0	9323.889				

22	Panchkula	121	121	0	121	305.391	102.4	558.47	0	966.1	131	12.5	242	0	385.5	0	—	0	—
23	Ambala	122	122	0	122	291.74	593.731	465.16	0	1350.143	265	435	435.93	0	1135.93	0	—	0	—
24	Kurukshetra	56	56	0	56	154.001	0	219.19	0	373.102	94	0	145.53	0	239.53	0	—	0	—
25	Yamuna nagar	160	160	0	160	157.3375	43.35	42.0222	0	242.7097	157.337	43.35	42.023	0	242.71	0	0	0	0
26	Karnal	89	89	0	89	60.4475	95.9718	48.2733	0	204.6926	60.447	95.971	48.273	0	204.691	0	0	0	0

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	3	0	3000
Faridabad	1	2	200	200
Gurugram (N)	2	0	929	0
Gurugram (S)	3	8	55.1805	44.4411
Panchkula	0	3	0	5425
Panipat	1	0	5940	0
Total	**8**	**19**	**12124.1805**	**26109.4411**

12.3 Detail of E-Waste collection as per Annual Report of E-Waste

Number of authorized manufacturer, refurbisher, collection centre, dimantler and recycler for management of e-waste in the state under e-waste Rules, 2016	37
Categories of waste collected alongwith their quantities on a monthly average basis	Cat-I =295.2624 MT/Month Cat-II =643.973 MT/Month Others=42.290 MT/Month
Quantity of CFL received at treatment, storage and disposal facility	8.423 MT

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	273	221	221	0	0	0	0
Ballabgarh	191	47	44	3	0	0	0
Dharuhera	219	121	106	7	0	8	8
Faridabad	266	219	216	3	0	0	0
Gurugram (N)	408	254	198	56	0	0	0
Gurugram (S)	26	26	24	2	0	0	0
Hisar	848	475	457	18	0	0	0
Jind	517	454	446	1	1	6	7
Panchkula	464	395	395	0	0	0	0
Panipat	162	132	123	7	0	2	2
Sonepat	196	196	196	0	0	0	0
Yamuna Nagar	325	325	325	0	0	0	0
Total	**3895**	**2865**	**2751**	**97**	**1**	**16**	**17**

13.3 Service Providers authorized under Bio Medical Waste Rules, 2016

The list of service providers authorized under Bio Medical Waste Rules, 2016for treatment & disposal of Bio Medical Waste in Common Waste Treatment & Disposal Facility is givenas 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
Gurugram(N)	8.	M/s Vulcan Waste Management Pvt. Ltd. Vill. Bhondsi Gurugram	150
Hisar	9.	Synergy Waste Management Pvt. Ltd., 168, Sec-27-28, HUDA Ind. Area, Hisar	500
	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	4079
I.	Bedded Hospital & Nursing Home (bedded	2723
II.	Clinics, Dispensaries	954
III.	Veterinary institutions	09
IV.	Animal Houses	02
V.	Pathology Laboratories	235
VI.	Blood Banks	12
VII.	Clinical Establishment	98
VIII.	Research institutions	23
IX.	AYUSH	23
2.	Total No. of Beds	53249
3.	Status of Authorization	
I.	Total No. of Occupiers applied for Authorization	3922+24 closed units
II.	Total No. of Occupiers Granted Authorization	3874
III.	Total No. of application under consideration	21
IV.	Total No. of application rejected	17
V.	Total No. of Occupiers in operation without applying for authorization	133
4.	Quantity of generation Bio Medical Waste Generation (in Kg/day)	14217.88
I.	Bio-medical waste generation by bedded hospital (in kg/day)	12013.25
II.	Bio-medical waste generation by non bedded hospital (in kg/day)	2204.636
III.	Any other	00
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	00

Sr. no.	Particulars	Total
iii.	Total Bio-medical waste treated in kg/day	14217.88
iv.	Total Bio-medical waste disposed through authorized recycler (in kg/day)	1613.09
6. i.	Total number of violation by Healthcare Facilities (bedded and non bedded)	133
ii.	Common Bio Medical Waste Treatment Facilities	05
7.	Show Cause Notice/ direction issued to defaulter	
i.	Common Bio Medical Waste Treatment Facilities	05
ii.	Other	148
8.	Any other relevant information	
i.	Number of workshop/ trainings conducted during the year	55
ii.	Number of occupiers installed liquid waste treatment facility	32
iii.	Number of captive incinerators complying to the norms -	01
iv.	Number of occupiers organized trainings	254
v.	Number of occupiers constituted bio-medical waste management committees	35
vi.	Number of occupiers submitted Annual Report for the previous calendar year	3922
Vii.	Number of occupiers practicing pretreatment of lab micro biology and bio technology waste	765
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 Rgistration under Batteries (M & H) Rules, 2001

1. Number of Manufacturar units 5
2. Number of Assembler units 16
3. Number of Importer units 2
4. Number of Bulk Consumer 21
5. Number of Recycler units 63

14.3 Status of dealers, etc. Covered under rules & their status of Authorization / Registration

Region	**Number of Units registered**
Bahadurgarh	45
Ballabgarh	29
Dharuhera	18
Gurugram (N)	12
Jind	6
Panchkula	55
Panipat	1
Total	**166**

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	68735.26	
2	No. of Plastic manufacturing units (including multilayer, compostable plastic units).	Plastic units	0
		Compostable plastic units	0
		Multilayer Plastic units	59
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 violations and action action taken on non-compliance of provisions ofPWM Rules, 2016 as amended (Rule 12)	3428 no. of challans Done and approximately ₹23,69,700/- is collectesd from violators	

CHAPTER 16: REDRESSAL OF PUBLIC COMPLAINTS

16.1 Status of Public Compliants Received and Disposedoff

Region	No. of complaints received through				No. of complaints disposed off				No. of pending complaints			
	Hard copy	Harsam adhan	CM Grivance portal	Total	Hard copy	Harsa madha n	CM Grivance portal	Total	Hard copy	Harsam adhan	CM Grivance portal	Total
Bahadurgarh	70	0	40	110	70	0	40	110	0	0	0	0
Ballabgarh	13	0	36	49	13	0	36	49	0	0	0	0
Dharuhera	90	0	44	134	90	0	41	131	0	0	3	3
Faridabad	0	0	24	24	0	0	24	24	0	0	0	0
Gurugram (N)	28	0	50	78	25	0	48	73	3	0	2	5
Gurugram (S)	45	0	6	51	45	0	6	51	0	0	0	0
Hisar	29	0	59	88	29	0	59	88	0	0	0	0
Jind	0	0	75	75	0	0	75	75	0	0	0	0
Panchkula	84	0	62	146	84	0	62	146	0	0	0	0
Panipat	0	0	57	57	0	0	55	55	0	0	2	2
Sonepat	15	0	26	41	15	0	25	40	0	0	1	1
Yamuna Nagar	174	0	116	290	166	0	116	282	8	0	0	8
Total	**548**	**0**	**595**	**1143**	**537**	**0**	**587**	**1124**	**11**	**0**	**8**	**19**

CHAPTER 17: PUBLIC HEARING UNDER EIA NOTIFICATION

17.1 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.

17.2 Details of the Public Hearings organized by the Board

Name of the Region	Number of projests where public Hearingorganized
Bahadurgarh	1
Dharuhera	1
Gurugram (N)	2
Jind	4
Panchkula	5
Yamuna Nagar	4
Total	**17**

CHAPTER 18: RIGHT TO INFORMATION ACT, 2005

18.1 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.

18.2 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	81	81	0	350	0
Ballabgarh	69	69	0	750	0
Dharuhera	81	81	0	1550	0
Faridabad	37	37	0	0	0
Gurugram (N)	76	76	0	0	0
Gurugram (S)	41	40	1	0	0
Hisar	60	60	0	250	150
Jind	54	52	2	320	526
Panchkula	53	52	1	920	850
Panipat	54	54	0	260	1460
Sonepat	7	7	0	230	90
Yamuna Nagar	124	124	0	890	775
Total	**737**	**733**	**4**	**5520**	**3851**

b) By Head Office of the Board

Total 317 applications under Right to information Act, 2005 were received in Head Office during the year 2018-19 and 317 applications were disposed offupto 31.03.2019 during the year 2018-19.₹10,199/- was collected as fee for RTIapplications, whereas ₹3,653/- was collected on account ofcharges for providingadditional documents to the applicants.

CHAPTER 19: INCOME & EXPENDITURE STATEMENT

19.1 Detail of Actual Receipts for the Financial Year 2018-19

Detail of Actual Receipts & Expenditure for the Financial year:-2018-19

Sr. No.	Head of Account	Actual Receipts (01.04.18 to 31.03.2019)
1	2	3
	RECEIPTS	**(Rs. In lacs)**
1	Samples Testing fee	71.88
2	Consent to Operate Fee (Water)	2753.53
3	Consent to Operate Fee (Air)	655.98
4	Consent to Establish Fee	668.84
5	Public Hearing	30.79
6	Authorisation fee/Recognition fee/ Apeal fee/Right to Information fee/Noise Receipts/Compensation/ Misc. receipt / sale of staff car/HWM/BMW/NGT Penality Fee A/c Noise Pollution/ Tender fee	140.58
7	Cess Share Retained	104.33
8	(a) Interest on Deposits Interest on other other advance given	2994.81
9	Grant-in-Aid from CentralPollution Control Board, Soild Wate, NAMP, NWMP, Inventory on Small Scale Industries etc.	515.93
10	Grant -in-Aid from State Govt. (Director Env.) Action Plan, Hazardous Installation of Tranining Institute Gurgaon, Disposal of CFL etc. Action Plan (Hazardous Waste, Inst.of Tranining Institute Gurgaon)	0.00
	TOTAL	**7936.67**

19.2 Detail of Actual Receipts & Expenditure for the FY 2018-19

Detail of Actual Receipts & Expenditure
for the Financial year:- 2018-19

Sr. No.	Head of Account		Actual Expenditure (01.04.2018to 31.03.2019)
1	2		3
			(Rs. In lacs)
EXPENDITURE			
I)	**SALARIES 'A'**		
1	Salaries & Allowances		3654.08
2	Medical Expenses		36.31
3	Travelling Allowance		13.10
		Sub Total =	**3703.49**
II)	**MAINTENANCE 'B'**		
1	Office Expenses and other expenses		411.31
2	Legal Expenses		46.72
3	Professional Fes		13.18
		Sub Total =	
III)	**NON RECURRING 'C'**		
1	Furniture and fixture		19.66
2	Office Machines and Equipments		34.96
3	Computerisation of Office		47.33
4	Vehicles		27.32
5	Library Books and Journals and Computer Based Information.		0.02
6	Lab.Equipments/Material/ Expenses, Computer & Modive expenses and Computer Peripherale stationery Expenses.		1267.90

	Sub Total =	**1397.19**
IV)	**LOAN AND ADVANCES 'D'**	
1)	**Loans and Advances**	5.29
2)	**Construction/Purchase of Office Building and Residential Complex**	1228.87
3)	**Research & Development Projects, Reoprts and studies**	50.96
4)	**Financial Assistance to Industries for Installation E.T.P.**	0.00
5)	**Eco Clubs/Env. Awarness**	59.96
	I. State Govt.	
	II. Govt. of India	
	III. HSPCB 59.96	
6)	**Income Tax**	900.00
7)	**Donation C.M. Relief Fund**	100.00
	Sub Total =	**2345.08**
	Grand Total A+B+C+D =	**7916.97**

HARYANA STATE POLLUTION CONTROL BOARD,
C-11, SECTOR 6, PANCHKULA (HARYANA)

WEBSITE: hspcb.gov.in