

**AGENDA ITEM NO. 192.06**

**ANNUAL REPORT OF THE HARYANA  
STATE POLLUTION CONTROL BOARD  
FOR THE YEAR 2019-20.**

## Agenda Item 192.6

## Annual Report of the Haryana State Pollution Control Board for the year 2019-20.

As per section 39 (2) of the Water Act, 1974 every State Board shall, during each financial year, prepare, in such form as may be prescribed, an annual report giving full account of its activities under this Act during the previous financial year and forward it to the State Government. The Government shall lay down such report before the State Legislature. There is corresponding provision in section 35 (2) of the Air Act, 1981:

The Government of Haryana vide notification No. GSR-125/C.A.6/74/S.64/78 dated 22.12.1978 issued the Haryana (Prevention and Control of Water Pollution) Rules, 1978 (as amended). As per Rule 31, Form 'G' for the Annual Report has been prescribed, in terms of Section 39 of the Water Act, 1974.

The Government of Haryana vide notification No. G.S.R. 73/C.A.14/81/S. 54 '83 dated 15.12.1983 issued the Haryana Air (Prevention and Control of Pollution) Rules, 1983 (as amended). As per Rule 27, Form XI for the Annual Report has been prescribed, in terms of Section 35 of the Air Act, 1981.

The contents of Form 'G' for the Annual Report prescribed under the Haryana (Prevention and Control of Water Pollution) Rules, 1978 and Form XI for the Annual Report prescribed under the Haryana Air (Prevention and Control of Pollution) Rules, 1983 are similar and annexed as **Annexure-I**.

As per contents of Form G and Form XI for the Annual Report, information for Annual Report for the period 01.04.2019 to 31.03.2020 was sought from all Branch In-charges in the Head office and all Regional Officers in field and Lab In-charges of HSPCB.

Accordingly, Annual Report of the Haryana State Pollution Control Board for the period 01.04.2019 to 31.03.2020 has been drafted and annexed as **Annexure-II**.

In view of above, the Board may consider Annual Report of the Haryana State Pollution Control Board for the for the period 01.04.2019 to 31.03.2020 and accord approval for the same, so that the same may be submitted to the Government for placing before the State Legislature.

\*\*\*\*\*

## Annexure-I

"Annual Reports for the year \_\_\_\_\_

1. *Introductory.*
2. *Constitution of the Board including changes therein.*
3. *Constitution of the Committee by the Board and meeting of the committee constituted by it.*
4. *Meetings of the Board.*
5. *Activities of the Board including the various functions performed under section 17 of the Act.*
6. *Prosecutions launched and convictions secured.*
7. *Finances and Accounts of the Board.*
8. *Visits to the Board by experts/important persons etc.*
9. *Any other important matter dealt with by the Board."*

06/02

Annexure-II

# **ANNUAL REPORT 2019-20**

**Haryana State Pollution Control Board**

**TABLE OF CONTENTS**

CHAPTER 1: INTRODUCTION.....	5
1.1 Haryana State Pollution Control Board (HSPCB).....	6
1.2 Vision & Aim of HSPCB.....	8
CHAPTER 2: ABOUT HSPCB.....	9
2.1 Composition of the Board.....	10
2.2 Members of the Board.....	11
2.3 Details of Board's Meeting.....	12
2.4 Staff Strength of HSPCB.....	13
CHAPTER 3: ACTIVITIES & INFRASTRUCTURE.....	16
3.1 Mandated activities of the Board.....	17
3.2 Infrastructure of the Board.....	20
3.3 Functional Structure of the Board.....	23
CHAPTER 4: MEASURES FOR ABATEMENT OF POLLUTION.....	24
4.1 Action against Defaulting Units.....	25
CHAPTER 5: GROSSLY & HIGHLY POLLUTING INDUSTRIES.....	33
5.1 Grossly Polluting Industries (GPIs).....	34
5.2 Highly Polluting 17 Category Industries.....	36
CHAPTER 6: AWARENESS PROGRAMMES.....	38
6.1 Awareness Programmes.....	39
CHAPTER 7: EFFLUENT TREATMENT PLANTS & AIR POLLUTION CONTROL DEVICES.....	41
7.1 ETPs, STPs & CETPs.....	42
7.2 Air Pollution Control Devices (APCDs).....	44
7.3 Online Continuous Effluent & Emission monitoring System (OCEMS).....	45
CHAPTER 8: CESS COLLECTION UNDER WATER ACT, 1977.....	47
8.1 Cess Collection under Water (Prevention & Control of Pollution) Act, 1977.....	48
CHAPTER 9: CONTINUOUS AMBIENT AIR QUALITY MONITORING.....	49
9.1 General.....	50
9.2 Continuous Ambient Air Quality Monitoring Report.....	51

CHAPTER 10: CONSENT UNDER WATER ACT, 1974 & AIR ACT, 1981.....	66
10.1    Categorization of Industrial Units/Projects.....	67
10.2    Consent to Establish under Water Act, 1974 & Air Act, 1981.....	68
10.3    Consent to Operate under Water Act, 1974 & Air Act, 1981.....	70
CHAPTER 11: HAZARDOUS & OTHER WASTE RULES, 2016.....	71
11.1    Authorization under Hazardous & Other Waste Rules, 2016.....	72
11.2    Status of units registered for recycling/re-processing of Hazardous Waste.....	73
11.3    Status of units authorized as Traders for import of Hazardous Waste.....	73
11.4    Status regarding Receipt and Disposal of Hazardous Waste in TSDF.....	74
11.5    Annual Report under Hazardous Waste Management Rules.....	75
CHAPTER 12: E-WASTE RULES, 2016.....	77
12.1    E-waste (Management) Rules, 2016.....	78
12.2    Detail of units Registered for Dismantling & Recycling of E-Waste.....	79
12.3    Detail of E-Waste collection as per Annual Report of E-Waste.....	79
CHAPTER 13: BIO-MEDICAL WASTE RULES, 2016.....	80
13.1    General.....	81
13.2    Status of Authorization under Bio Medical Waste Rules, 2016.....	81
13.3    Service Providers authorized under Bio Medical Waste Rules, 2016.....	82
13.4    Status of Bio Medical Waste Management.....	83
CHAPTER 14: BATTERIES RULES, 2001.....	85
14.1    General.....	86
14.2    Status of Registration under Batteries (M & H) Rules, 2001.....	86
14.3    Status of dealers, etc. Covered under rules & their status of Authorization /Registration.....	87
CHAPTER 15: PLASTIC WASTE RULES, 2016.....	88
15.1    General.....	89
15.2    Status of implementation of Plastic Waste Rules, 2016.....	89
CHAPTER 16: REDRESSAL OF PUBLIC COMPLAINTS.....	<b>Error! Bookmark not defined.</b> 90
16.1    Status of Public Compliants Received and Disposed off.....	91
CHAPTER 17: PUBLIC HEARING UNDER EIA NOTIFICATION.....	92
17.1    General.....	93
17.2    Details of the Public Hearings organized by the Board.....	93

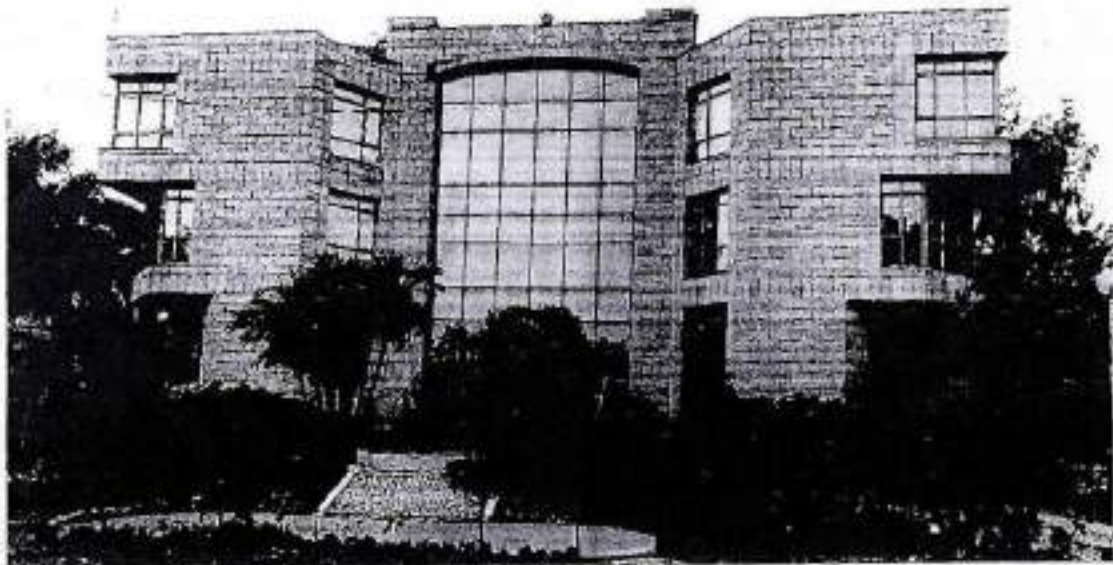
**Annual Report 2019-20**

CHAPTER 18: RIGHT TO INFORMATION ACT, 2005 .....	94
18.1    General .....	95
18.2    Details of Applications received and disposed .....	95
CHAPTER 19: INCOME & EXPENDITURE STATEMENT.....	97
19.1    Detail of Actual Receipts for the Financial Year 2019-20 .....	98
19.2    Detail of Actual Receipts & Expenditure for the FY 2019-20.....	99

## **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 for 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. Major activities of the HSPCB comprise the following:

- Consent management under the Water Act, 1974 & the Air Act, 1981, the 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 but the same has now been abolished with the introduction of Goods and Services Tax Act, 2017. The State Pollution Control Board was also given additional responsibilities under the 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, 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 monitoring, inspections, authorizations & legal interventions.
- HSPCB is committed to achieve reduction in the levels of pollution (Air & Water) through comprehensive plans (National and State level interventions).

06/10

## **CHAPTER 2: ABOUT HSPCB**

**2.1 Composition of the Board**

---

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, gives power to the State Government to constitute State Pollution Control Board in their state. As per provisions of the Acts, 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 persons representing the interests of agriculture, fisheries, industry or trade.

**Chairman of the Board during the year 2019-20:****Sh. Ashok  
Kheterpal,****(14.12.2017  
onwards)**

## **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. RenuBala Gupta, Mayor,**  
Mayor, Municipal Corporation, Karnal  
#39-40, Chaudhary House Colony, Karnal

**Sh. Sanjay Kumar, Chairman**  
Municipal Council, CharkhiDadri  
Ward No. 7, Railway Road, CharkhiDadri

**Sh. GurdayalSunheri, Chairman,**  
ZilaParishad, Kurukshetra  
VPO DunheriKhalsa, Kurukshetra

**Sh. KalyanChauhan, Chairman,**  
ZilaParishad, Gurugram  
VPO Wazirpur, Gurugram

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

**Sh. SatishSinghal,**  
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 Jambheshwar 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 Details of Board Meetings held**

<b>Sr. no.</b>	<b>Board's Meeting</b>	<b>Held on</b>
1	184 <sup>th</sup>	30.05.2019
2	185 <sup>th</sup>	28.08.2019
3	186 <sup>th</sup>	19.11.2019
4	187 <sup>th</sup>	17.02.2020

06/14

## 2.4 Staff Strength of HSPCB

Sr. No.	Name of the Post	Sanctioned Strength	Filled up	Vacant	Remarks
<b>Group A</b>					
1	Chairman	01	01	-	
2	Member Secretary	01	01	-	
3	Sr. Environmental Engineer	06	06	00	
4	Sr. Scientist	01	01	-	
5	Environmental Engineer	33	17	16	
6	Scientist 'C'	09	02	07	
7	District Attorney	01	01	-	on deputation from Administration of Justice Deptt, govt. of Hr.
8	Development Team Leader	01	-	01	
<b>Group B</b>					
1	Sr. Accounts Officer	01	01	-	on deputation from Administration of Justice Deptt, govt. of Hr
2	Accounts Officer	01	-	01	on deputation from Administration of Justice Deptt, govt. of Hr
3	Administrative Officer	01	01		
4	Law Officer	01	-	01	on deputation from Administration of Justice Deptt, govt. of Hr
5	Asstt. Distt. Attorney	03	03	-	on deputation from

06/15

## Annual Report 2019-20

Sr. No.	Name of the Post	Sanctioned Strength	Filled up	Vacant	Remarks
					Administration of Justice Deptt, govt. of Hr
6	Scientist 'B'	40	12	28	Requisition of 5+11 posts Sent to ACS (ENV.)
7	Asstt. Environmental Engineer	92	33	59	02 AEEs on deputation
8	Software Developer	01	-	01	
9	Tehsildar	01	-	01	
10	Superintendent	04	03	01	
11	Private Secretary	02	01	01	
<b>Group C</b>					
1	Section Officer (Accounts)	01	-	01	
2	Jr. Software Developer	02	-	02	
3	Deputy Superintendent	04	00	04	
4	Statistical Assistant	01	-	01	
5	Sr. Scientific Assistant	07	-	07	
6	Jr. Scientific Assistant	10	-	10	
7	Personal Assistant	01	01	-	
8	Jr. Environmental Engineer	25	01	24	
9	Sr. Scale Stenographer	04	-	04	
10	Assistant	46	13	33	
11	Accountant	04	-	04	
13	Junior Scale Stenographer	03	-	03	
14	Accounts Clerk	02	-	02	
15	Steno-Typist	08	01	07	
16	Clerk	46	10	36	
17	Driver	17	10	07	



06/16

Annual Report 2019-20

Sr. No.	Name of the Post	Sanctioned Strength	Filled up	Vacant	Remarks
18	Lab Attendant	10	03	07	
<b>Group D</b>					
1	Daftri	01	01	-	
2	Senior Peon	02	01	01	
3	Peon	51	21	30	
4	Mali-cum-Chowkidar	02	02	diminishing cadre	
5	Field Attendant	22	08	14	
6	Sweeper	01	01	diminishing cadre	
total		483 ( 33 posts are under diminishing cadre)=450	147	323	

06/17

Annual Report 2019-20

## **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;

**Annual Report 2019-20**

- 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

**Annual Report 2019-20**

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 18 Regional offices of the Board in the State, located at Ambala, Ballabgarh, Bhiwani, Bahadurgarh, Dharuhera, Faridabad, Gurugram South at Manesar, Gurugram North at Gurugram, Hisar, Karnal, Kaithal, Kurukshetra, Nuh, Panipat, Panchkula, Palwal, Sonapat and Yamuna Nagar.

#### Details of Regional Offices, Sub-Regions and area under their jurisdiction

Name of Region	Name of Sub-Region	Area of Jurisdiction
Panchkula	Panchkula Urban	All sectors of HSVP including saketri and colonies adjoining the HSVP sectors and Industrial Area Phase 1 and Phase 2.
	Panchkula Outer	All area of panchkula district except those mentioned at serial no.1
Bhiwani	Sub Region-1	(left side of Rohtak to Loharu Road via CharkhiDadri)
	Sub-Region-2	(Right Side of Rohtak to Loharu Road via CharkhiDadri)
	Sub Region-1 Sub Region-2	Tosham (Bhiwani district except Tosham)
Kaithal	Katihai City, GuhiaKalyatPundri&Rajound	Kaithal City Guhla, KalayatPundri&Rajound
	Jind City & Julana, Narwana, Uchana, Saidon	Jind City & Julana, Narwana, Uchana, Safidon
Ballabgarh	Sector -24 & NIT, Faridabad Ballabgarh Sector-25 & Sector -6, Faridabad	Sector -24 & NIT, Faridabad Ballabgarh Sector-25 & Sector -6, Faridabad
Palwal	Sub Region-1	(left side of Faridabad Border to Mathura Road (NH-2)
	Sub Region-2	(Right side of Faridabad Border to Mathura Road (NH-2)
	Sub Region-3 Sub Region-4	(Nah and Tauru) (FhirojpurJhirka and Punhana)

Annual Report 2019-20

Name of Region	Name of Sub-Region	Area of Jurisdiction
Ambala	Sub Region-1 Sub Region-2 Sub Region-3 Sub Region-4	Amabala City Amabala Cantt. Nariangarh Barara
Karnal	Sub Region-1 Sub Region-2 Sub Region-3 Sub Region-4	Tehsil Karnal Tehsil Gharaunda Tehsil Assandh, Nissing & Nilokheri Tehsil Taraori & Indri
Kurukshtra	Sub Region-1 Sub Region-2 Sub Region-3 Sub Region-4	Pehowa Thanesar Shahabad Ladwa
Gurugram (North)	Udyog Vihar Old Gurugram New Gurugram	Udyog Vihar Old Gurugram New Gurugram
Yamunanagar	Sub Region-1 Sub Region-2 Sub Region-3 Sub Region-4	(Tehsil Radur and Yamaunagar City) (Jagadhari City and Saraswati Nagar) (Tehsil Chhachhrauli and Sub Tehsil Khizrabad) (Tehsil Bilaspur and Block sadhaura)
Faridabad	1. NIT 2. Sector-27, Faridabad 3. DLF, Phase-1, Faridabad 4. DLF, Phase-II, Faridabad	1. NIT 2. Sector-27, Faridabad 3. DLF, Phase-1, Faridabad 4. DLF, Phase-II, Faridabad
Bahadurgarh	1. Bahadurgarh 2. Jhajjar 3. Sampla 4. Sector-37, Gurugram	1. Bahadurgarh 2. Jhajjar 3. Sampla 4. Sector-37, Gurugram
Gurugram (South)	1. Barhi 2. Kundli 3. Rai 4. Sonipat	1. Barhi 2. Kundli 3. Rai 4. Sonipat
Panipat	1. Sector-29, Panipat 2. Model Town Panipat 3. Samalkha	1. Sector-29, Panipat 2. Model Town Panipat

Name of Region	Name of Sub-Region	Area of Jurisdiction
		3. Samalkha
Hisar	1. Hisar 2. Fatehabad 3. Sirsa	1. Hisar 2. Fatehabad 3. Sirsa
Dharuhera	Sub Region-1 Sub Region-2 Sub Region-3	Rewari&Dharuhera Bawal Mohindergarh

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.





### **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 Senior 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 Senior Scientists, is looking after the Board's four Laboratories and is also involved in various environmental monitoring projects as well in the implementing various Environmental statutes. The Legal wing, headed by the District Attorney, is looking after the legal aspects and representing the Board at different Courts of law. The Administrative wing is managing the administrative and personal matters of the employees of the Board. The Accounts wing manages the accounts and finance related matters of the Board.

06/25

Annual Report 2019-20

## **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 the Water (Prevention & Control of Pollution) Act, 1974, under section 31-A of the Air (Prevention & Control of Pollution) Act, 1981 & under section 5 of the 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 the 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 directions issued against the defaulting units due to non-compliance under the 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
Ambala	0	3	5	10	18
Bahadurgarh	0	0	16	69	85
Ballabgarh	0	23	20	40	83
Bhiwani	0	0	117	21	138
Dharuhera	0	0	4	10	14
Faridabad	0	18	3	0	21
Gurugram (N)	0	3	15	13	31
Gurugram (S)	0	5	0	2	7
Hisar	0	0	100	12	112
Kaithal	9	3	15	13	40
Karnal	5	4	27	12	48
Kurukshetra	0	5	10	3	18
Nuh	0	0	0	0	0
Palwal	0	3	15	0	18
Panchkula	0	6	1	57	64

06/27

**Annual Report 2019-20**

Panipat	24	22	2	50	98
Sonepat	2	0	16	54	72
Yamuna Nagar	1	1	12	70	84
<b>Total</b>	<b>40</b>	<b>59</b>	<b>108</b>	<b>282</b>	<b>489</b>

### Legal Action

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



#### i. Detail of Prosecution Cases in Special Environment Court

##### Under the EP Act, 1986

Region	No. of prosecution pending on 31.03.2019 under	No. of prosecution filed during 2019-20 under EP	No. of prosecution decided		No. of pending prosecution as on 31.03.2020	Reason for decision against Board				
			In favor of Boar	Against Board		Dismissed in default	Consigned to record	Expiry of accused	Wrong address /accused	Any other(Specify Details)
Ambala	1	0	0	0	1	0	0	0	0	0
Bahadurgarh	12	0	12	0	0	0	0	0	0	0
Ballabgarh	1	0	0	1	0	0	0	0	0	0
Bhiwani	1	0	0	0	1	0	0	0	0	0
Dharuhera	2	0	0	0	2	0	0	0	0	0
Faridabad	6	0	0	0	6	0	0	0	0	0
Gurugram (N)	92	5	0	8	89	8	0	0	0	0
Gurugram (S)	183	5	0	71	117	71	0	0	0	0
Hisar	2	2	0	0	4	0	0	0	0	0
Kaithal	0	2	0	0	2	0	0	0	0	0
Karnal	2	0	0	0	2	0	0	0	0	0
Kurukshetra	0	1	0	0	1	0	0	0	0	0
Nuh	0	0	0	0	0	0	0	0	0	0
Palwal	0	0	0	0	0	0	0	0	0	0
Panchkula	1	0	0	0	1	0	0	0	0	0
Panipat	0	0	0	0	0	0	0	0	0	0
Sonepat	6	0	0	0	6	0	0	0	0	0
Yamuna Nagar	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>309</b>	<b>15</b>	<b>12</b>	<b>80</b>	<b>232</b>	<b>79</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

06/29

**Annual Report 2019-20****Under the Water Act, 1974**

Region	No. of prosecution pending on 30.03.2019 under Water Act	No. of prosecution filed during 2019-20 under Water Act	No. of prosecution decided		No. of pending prosecution as on 31.03.2020	Reason for decision against Board				
			In favor of Board	Against board		Dismissed in default	Consigned to record	Expiry of accused	Wrong address /accused	Any other(Specify Details)
Ambala	24	12	0	0	36	0	0	0	0	0
Bahadurgarh	1	5	0	0	6	0	0	0	0	0
Ballabgarh	0	9	0	0	9	0	0	0	0	0
Bhiwani	0	0	0	0	0	0	0	0	0	0
Dharuhera	4	2	0	0	6	0	0	0	0	0
Faridabad	34	2	0	0	36	0	0	0	0	0
Gurugram (N)	5	1	0	0	6	0	0	0	0	0
Gurugram (S)	2	0	0	0	2	0	0	0	0	0
Hisar	0	2	0	0	2	0	0	0	0	0
Kaithal	0	0	0	0	0	0	0	0	0	0
Karnal	0	1	0	0	1	0	0	0	0	0
Kurukshetra	0	5	0	0	5	0	0	0	0	0
Nuh	1	0	0	0	1	0	0	0	0	0
Palwal	4	0	0	0	4	0	0	0	0	0
Panchkula	4	13	1	0	16	0	0	0	0	0
Panipat	4	13	0	0	17	0	0	0	0	0
Sonepat	3	1	0	0	4	0	0	0	0	0
Yamuna Nagar	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>86</b>	<b>66</b>	<b>1</b>	<b>0</b>	<b>151</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

06/30

**Annual Report 2019-20****Under the Air Act, 1981**

Region	No. of prosecution pending on 30.03.2019 under Air Act	No. of prosecution filed during 2019-20 under Air Act	No. of prosecution decided		No. of pending prosecution as on 31.03.2020	Reason for decision against Board				
			In favor of Board	Against Board		Dismissed in default	Consigned to record	Expiry of accused	Wrong address /accused	Any other (Specify Details)
Ambala	0	0	0	0	0	0	0	0	0	0
Bahadurgarh	0	3	0	0	3	0	0	0	0	0
Ballabgarh	0	1	0	0	1	0	0	0	0	0
Bhiwani	11	2	0	0	13	0	0	0	0	0
Dharuhera	5	0	0	0	5	0	0	0	0	0
Faridabad	3	2	0	0	5	0	0	0	0	0
Gurugram (N)	4	0	0	2	2	0	0	0	0	0
Gurugram (S)	1	0	0	0	1	0	0	0	0	0
Hisar	0	0	0	0	0	0	0	0	0	0
Kaithal	0	0	0	0	0	0	0	0	0	0
Karnal	0	0	0	0	0	0	0	0	0	0
Kurukshetra	3	0	0	0	3	0	0	0	0	0
Nuh	3	0	0	0	3	0	0	0	0	0
Palwal	0	0	0	0	0	0	0	0	0	0
Panchkula	0	1	0	0	1	0	0	0	0	0
Panipat	3	0	0	0	3	0	0	0	0	0
Sonepat	1	0	0	0	1	0	0	0	0	0
Yamuna Nagar	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>34</b>	<b>9</b>	<b>0</b>	<b>2</b>	<b>41</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Annual Report 2019-20****Under the Water Act, 1974 & the Air Act, 1981**

Region	No. of prosecution pending on 30.03.2019 under Water & Air Act	No. of prosecution filed during 2019-20 under Water & Air Act	No. of prosecution decided		No. of pending prosecution as on 31.03.2020	Reason for decision against Board				
			In favor of Board	Against Board		Dismissed in default	Consigned to record	Expiry of accused	Wrong address / accused	Any other (Specify Details)
Ambala	4	0	0	0	4	0	0	0	0	0
Bahadurgarh	1	3	0	0	4	0	0	0	0	0
Ballabgarh	0	1	0	0	1	0	0	0	0	0
Bhiwani	5	2	0	0	7	0	0	0	0	0
Dharuhera	0	0	0	0	0	0	0	0	0	0
Faridabad	0	0	0	0	0	0	0	0	0	0
Gurugram (N)	0	0	0	0	0	0	0	0	0	0
Gurugram (S)	2	2	0	0	4	0	0	0	0	0
Hisar	2	0	0	0	2	0	0	0	0	0
Kaithal	0	0	0	0	0	0	0	0	0	0
Karnal	3	8	0	0	11	0	0	0	0	0
Kurukshetra	0	2	0	0	2	0	0	0	0	0
Nuh	0	0	0	0	0	0	0	0	0	0
Palwal	3	0	0	0	3	0	0	0	0	0
Panchkula	0	0	0	0	0	0	0	0	0	0
Panipat	12	4	0	0	16	0	0	0	0	0
Sonepat	1	13	0	0	14	0	0	0	0	0
Yamuna Nagar	0	28	0	0	28	0	0	0	0	0
<b>Total</b>	<b>33</b>	<b>63</b>	<b>0</b>	<b>0</b>	<b>96</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



## Annual Report 2019-20

## ii. Details of Cases in the Hon'ble National Green Tribunal

Region	No. of cases pending on 31.03.2019 where Board is respondent	No. of new cases filed during 2019-20 where Board is respondent	No. cases disposed of during 2019-20	No. cases during 2019-20 wherein directions issued to Board	No. cases during 2019-20 wherein directions complied	No. cases during 2019-20 wherein directions not complied	No. of pending cases as on 31.03.2020
Ambala	0	0	0	0	0	0	0
Bahadurgarh	0	0	0	0	0	0	0
Ballabgarh	5	1	3	0	0	0	3
Bhiwani	34	0	34	0	0	0	0
Dharuhera	4	5	5	0	0	0	4
Faridabad	1	9	1	0	0	0	9
Gurugram (N)	8	5	6	4	4	0	7
Gurugram (S)	2	2	0	0	0	0	4
Hisar	0	4	1	0	0	0	3
Kaithal	0	0	0	0	0	0	0
Karnal	1	1	1	2	2	0	1
Kurukshetra	0	0	0	0	0	0	0
Nuh	0	0	0	0	0	0	0
Palwal	1	1	0	0	0	0	2
Panchkula	1	1	0	0	0	0	2
Panipat	4	13	7	4	4	0	10
Sonepat	9	4	5	0	0	0	8
Yamuna Nagar	0	8	2	0	0	0	6
<b>Total</b>	<b>70</b>	<b>54</b>	<b>65</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>59</b>

## iii. Details of Cases in the Hon'ble Punjab &amp; Haryana High Court High Court

Region	No. of cases pending on 31.03.2019 in which Board is	No. of new cases filed against Board	No. of new cases filed by Board	No. of cases decided		No. of pending cases as on 31.03.2020
				In favor of Board	Against Board	
Ambala	0	0	0	0	0	0
Bahadurgarh	3	0	0	0	0	3
Ballabgarh	0	2	0	0	0	2
Bhiwani	2	0	0	0	0	2
Dharuhera	0	2	0	0	0	2
Faridabad	2	2	0	0	0	4

**Annual Report 2019-20**

Gurugram	17	7	0	0	0	24
Gurugram (S)	7	5	0	0	0	12
Hisar	0	0	1	0	0	1
Kaithal	5	1	0	0	0	6
Karnal	3	0	0	1	0	2
Kurukshetra	0	0	0	0	0	0
Nuh	0	0	0	0	0	0
Palwal	0	0	0	0	0	0
Panchkula	3	0	0	1	0	2
Panipat	4	0	0	1	0	3
Sonepat	10	2	0	0	0	12
Yamuna Nagar	0	16	0	0	0	16
<b>Total</b>	<b>56</b>	<b>37</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>91</b>

**iv. Details of Cases in the Hon'ble Supreme Court of India, New Delhi**

Region	No. of cases pending on 31.03.2019 in which Board is party	No. of new cases filed during 2019-20 in which Board is party	No. of new cases filed by Board during 2019-20	No. of cases decided		No. of pending cases as on 31.03.2020
				In favor of Board	Against Board	
Ambala	0	0	0	0	0	0
Bahadurgarh	0	0	0	0	0	0
Ballabgarh	0	0	0	0	0	0
Bhiwani	0	0	0	0	0	0
Dharuhera	0	1	0	0	0	1
Faridabad	2	3	0	0	0	5
Gurugram (N)	4	0	0	0	0	4
Gurugram (S)	2	0	0	0	0	2
Hisar	0	0	0	0	0	0
Kaithal	0	1	0	0	0	1
Karnal	1	0	0	0	0	1
Kurukshetra	0	0	0	0	0	0
Nuh	0	0	0	0	0	0
Palwal	0	0	0	0	0	0
Panchkula	0	0	0	0	0	0
Panipat	1	0	0	0	0	1
Sonepat	0	0	0	0	0	0
Yamuna Nagar	0	0	0	0	0	0
<b>Total</b>	<b>10</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>

06/34

**Annual Report 2019-20**

## **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 the Central Pollution Control Board (CPCB). In 1993-94, the CPCB initiated identification of industries along the rivers to control the discharge of untreated effluent into rivers, directly or indirectly.

Directions were issued by the 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 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
Ambala	7	5	2	2	0	0	0
Bahadurgarh	74	74	0	0	0	0	0
Ballabgarh	79	78	1	0	1	0	0
Bhiwani	1	1	0	0	0	0	0
Dharuhera	12	12	0	0	0	0	0
Faridabad	23	21	2	0	0	0	2
Gurugram (N)	126	118	8	0	0	0	8
Gurugram (S)	20	20	0	0	0	0	0
Hisar	0	0	0	0	0	0	0
Kaithal	2	2	0	0	0	0	0
Karnal	49	46	3	0	0	3	0

## Annual Report 2019-20

Region	No. of the Grossly polluting Industries	Compliance Status		Action taken against non-complying units			
		Complying	Non Complying	Closure	Prosecution	Closure & Prosecution	Under SCN
Kurukshetra	6	6	0	0	0	0	0
Nuh	0	0	0	0	0	0	0
Palwal	10	10	0	0	0	0	0
Panchkula	3	3	0	0	0	0	0
Panipat	12	12	0	0	0	0	0
Sonepat	116	116	0	0	0	0	0
Yamuna Nagar	3	3	0	0	0	0	0
<b>Total</b>	<b>543</b>	<b>527</b>	<b>16</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>10</b>

## 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.

The 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, Petrochemicals, 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
Ambala	5	5	0	0	0	0	0	0
Bahadurgarh	25	25	0	0	0	0	0	0
Ballabgarh	2	2	0	0	0	0	0	0
Bhiwani	5	5	0	0	0	0	0	0
Dharuhera	1	1	0	0	0	0	0	0
Faridabad	4	2	0	0	0	0	0	2
Gurugram (N)	1	1	0	0	0	0	0	0
Gurugram (S)	2	2	0	0	0	0	0	0
Hisar	3	3	3	3	0	0	0	0
Kaithal	2	2	0	0	0	0	0	0
Karnal	11	8	0	0	0	0	3	0
Kurukshetra	2	2	0	0	0	0	0	0

Annual Report 2019-20

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
Nuh	1	1	0	0	0	0	0	0
Palwal	3	3	0	0	0	0	0	0
Panchkula	5	2	3	1	0	0	2	5
Panipat	9	9	0	0	0	0	0	0
Sonepat	15	15	0	0	0	0	0	0
Yamuna Nagar	4	4	0	0	0	0	0	0
<b>Total</b>	<b>100</b>	<b>92</b>	<b>6</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>7</b>

06/39

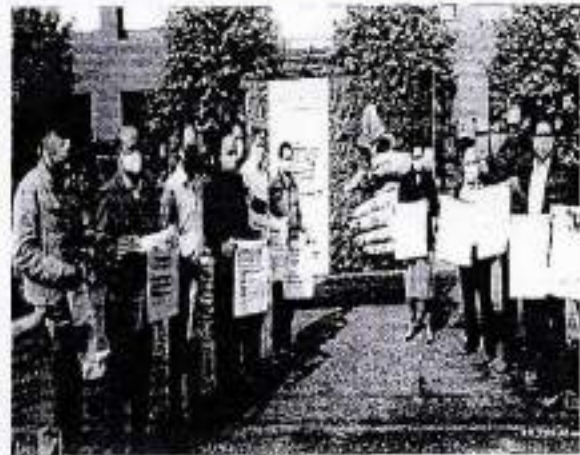
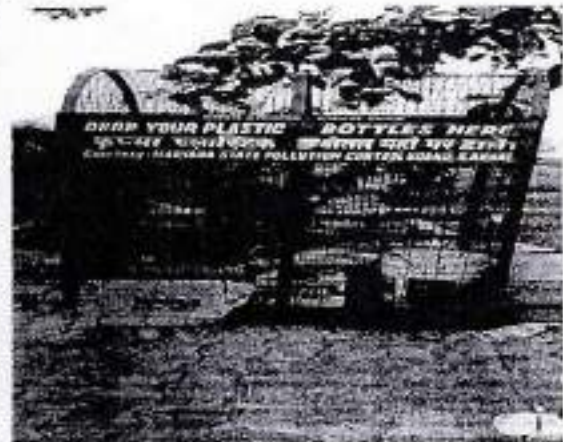
Annual Report 2019-20

## **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.



**Annual Report 2019-20**

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

<b>Regional Office</b>	<b>No. of Awareness Programmes Organised</b>
Ambala	2
Bahadurgarh	5
Ballabgarh	7
Bhiwani	6
Dharuhera	5
Faridabad	7
Gurugram (N)	5
Gurugram (S)	11
Hisar	6
Kaithal	12
Karnal	10
Kurukshetra	2
Nuh	5
Palwal	5
Panchkula	13
Panipat	5
Sonepat	4
Yamuna Nagar	0
<b>Total</b>	<b>110</b>

06/42

Annual Report 2019-20

**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
Ambala	3	1	0
Bahadurgarh	21	2	0
Ballabgarh	219	28	24
Bhiwani	2	0	2
Dharuhera	3	4	2
Faridabad	156	73	21
Gurugram (N)	5	44	0
Gurugram (S)	2	7	0
Hisar	4	0	2
Karnal	270	32	1
Kurukshetra	4	1	0
Panchkula	10	1	1
Panipat	28	1	0
Sonepat	52	2	5
Yamuna Nagar	10	1	0
<b>Total</b>	<b>789</b>	<b>197</b>	<b>58</b>

## 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
Ambala	1	0	0
Ballabgarh	6	0	0
Faridabad	5	0	0
Gurugram (N)	3	10	0
Hisar	1	0	0
Karnal	6	5	0
Kurukshetra	1	0	0
Panchkula	57	0	0
Sonepat	10	0	0
<b>Total</b>	<b>90</b>	<b>15</b>	<b>0</b>

## Detail of new STPs installed in various towns

Region	No. of new STPs installed	No. of towns where new STPs installed	Capacity
Ballabgarh	6	1	0
Dharuhera	1	1	5MLD
Gurugram (N)	1	1	50MLD
Gurugram (S)	1	1	5.5MLD
Kaithal	1	1	7MLD
Karnal	3	3	74MLD
Kurukshetra	1	1	25MLD
Yamuna Nagar	1	1	20 MLD
<b>Total</b>	<b>15</b>	<b>10</b>	<b>161.5 MLD</b>

## Detail of new CETPs installed in industrial clusters/estates

Region	No. of new CETPs installed	Location	Capacity
Panipat	1	The Executive Engineer, HSVP Division Sector-29, Part-II, Panipat (21 MLD CETP Phase-II)	21 MLD
<b>Total</b>	<b>1</b>	<b>1</b>	<b>21 MLD</b>

## 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
Ambala	4	0
Ballabgarh	15	0
Gurugram (N)	8	1
Hisar	2	0
Karnal	0	6
Kurukshetra	4	0
Panchkula	8	0
Panipat	28	0
Sonepat	84	7
Yamuna Nagar	34	0
<b>Total</b>	<b>187</b>	<b>14</b>

### **7.3 Online Continuous Effluent & Emission monitoring System (CEMS)**

A continuous emission monitoring system (CEMS) is the total equipment necessary for the determination of a gas or particulate matter concentration or emission rate using pollutant analyzer measurements and a conversion equation, graph, or computer program to produce results in units of the applicable emission.

Continuous monitoring system installed at emissions and effluents discharge points of industrial units. The analysers are installed on stacks/ chimneys and at the outlets of Effluent Treatment Plants/ Sewage Treatment Plants. The analysers continuously generate data at intervals of one second to few minutes.

In order to track release of pollutants through air emissions and effluent discharge from industries with high pollution potential, Central Pollution Control Board (vide its letter No. B-29016/D4/06PCI-1/5401 dated 05.02.2014) issued directions under section 18(1) b of the Water and Air Acts to the State Pollution Control Boards and Pollution Control Committees for directing the 17 categories of highly polluting industries (such as Pulp & Paper, Distillery, Sugar, Tanneries, Power Plants, Iron & Steel, Cement, Oil Refineries, Fertilizer, Chloral Alkali Plants, Dye & Dye Intermediate Units, Pesticides, Zinc, Copper, Aluminum, Petrochemicals and Pharma Sector, etc.), Common Effluent Treatment Plants (CETP), Sewage Treatment Plants (STPs), Common Bio Medical Waste and Common Hazardous Waste Incinerators; for installation of online effluent quality and emission monitoring systems. Grossly Polluting Industries (GPI) under Ganga Basin and Common treatment/ facility units are also directed to install online monitoring devices.

#### **Parameters to be monitored**

(a) For effluent pH, BOD, COD, TSS, Flow, Chromium, Ammoniacal Nitrogen, Fluoride, Phenol, Cyanide, Temperature, AOX and Arsenic

(b) For emission PM, Fluoride, NO<sub>x</sub>, SO<sub>2</sub>, Cl<sub>2</sub>, HCl and NH<sub>3</sub>. The relevant parameters for each category of industries are provided on CPCB website.

**Details of installation of Online Continuous Effluent & Emission monitoring System (OCEMS)**

Region	No. of Industries required to install OCEMS	No. of Industries installed OCEMS	No. of Industries Not installed OCEMS	Action taken against non-complying units				Under process (Specify reason)
				Closure	Prosecution	Closure & Prosecution	Closed on its own	
1	2=3+4	3	4=5+6+7+8+9	5	6	7	8	9
Ambala	12	12	0	0	0	0	0	0
Bahadurgarh	89	89	0	0	0	0	0	0
Ballabgarh	81	81	0	0	0	0	0	0
Bhiwani	20	20	0	0	0	0	0	0
Dharuhera	34	34	0	0	0	0	0	0
Faridabad	34	34	0	0	0	0	0	0
Gurugram (N)	53	53	0	0	0	0	0	0
Gurugram(S)	164	164	0	0	0	0	0	0
Kaithal	46	45	1	1	0	0	0	0
Karnal	55	52	3	0	0	0	0	3
Kurukshetra	2	2	0	0	0	0	0	0
Nuh	13	13	0	0	0	0	0	0
Palwal	21	21	0	0	0	0	0	0
Panchkula	12	12	0	0	0	0	0	0
Panipat	150	150	0	0	0	0	0	0
Sonepat	117	114	3	0	0	0	3	0
Yamuna Nagar	15	15	0	0	0	0	0	0
<b>Total</b>	<b>918</b>	<b>911</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>



06/48

Annual Report 2019-20

**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 2019-20, Cess amount of ₹1,08,40,798/- has been collected, pending before introduction of Goods and Service Tax Act, 2017. 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 the 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 link up with the 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, Ballabgarh, Sonapat, 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 in columns are Particulate Matter (PM<sub>2.5</sub>), Nitrogen di-oxide (NO<sub>2</sub>), Nitrogen Oxide (NO<sub>x</sub>) and Ozone (O<sub>3</sub>), Carbon Monoxide (CO), Nitric Oxide (NO) and Sulphur Dioxide (SO<sub>2</sub>) and Benzene.

## Annual Report 2019-20

## 1. Continuous Ambient Air Quality Monitoring Station at Rohtak

Monitoring Location : MD University, Rohtak - HSPCB							
Monitoring Conducted By: Environnement SA India Pvt. Ltd							
Months	PM2.5	CO	NO	NO2	NOX	O3	SO2
	$\mu\text{g}/\text{m}^3$	$\text{mg}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	ppb	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
Apr-19	79.47	1.16	3.77	22.56	13.96	27.37	22.32
May-19	98.40	1.07	3.74	24.42	15.06	24.47	23.40
Jun-19	77.23	1.15	1.95	17.58	11.21	22.98	16.44
Jul-19	56.27	0.88	2.72	12.92	8.13	29.27	13.58
Aug-19	34.72	0.70	1.79	6.41	3.78	19.48	10.37
Sep-19	37.57	0.60	1.81	5.59	2.53	15.98	10.58
Oct-19	93.70	0.99	10.08	25.51	20.42	28.87	22.43
Nov-19	140.03	1.18	13.68	33.85	34.24	38.97	8.39
Dec-19	135.56	1.20	12.33	23.18	26.17	31.75	10.13
Jan-20	86.49	0.84	8.47	19.44	28.28	30.63	7.88
Feb-20	82.63	0.73	110.27	22.30	112.60	37.74	10.85
Mar-20	49.86	0.43	2.28	20.71	12.42	20.75	8.88
Minimum	34.72	0.43	1.79	5.59	2.53	15.98	7.88
Maximum	140.03	1.20	110.27	33.85	112.60	38.97	23.40
Average	80.99	0.91	14.41	19.54	24.07	27.35	13.77

## 2. Continuous Ambient Air Quality Monitoring Station at Gurugram

Monitoring Location : VikasSadan, Gurugram - HSPCB							
Monitoring Conducted By: Environnement SA India Pvt. Ltd							
Months	PM2.5	CO	NO	NO2	NOX	O3	SO2
	$\mu\text{g}/\text{m}^3$	$\text{mg}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	ppb	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
Apr-19	101.54	0.36	11.25	10.21	6.82	22.54	5.03
May-19	103.49	0.33	14.98	14.18	13.01	41.58	11.75
Jun-19	82.87	0.37	15.04	22.32	15.35	87.97	8.59
Jul-19	49.54	0.34	15.02	6.64	5.86	29.41	10.08
Aug-19	31.39	0.33	9.45	5.60	10.54	30.56	30.84
Sep-19	34.26	0.35	7.42	5.70	9.79	25.25	12.33
Oct-19	100.26	1.18	35.47	49.19	53.70	46.96	10.44
Nov-19	141.00	1.30	43.24	73.29	71.86	24.15	17.71
Dec-19	132.38	1.69	59.95	65.95	80.11	24.51	23.25
Jan-20	107.31	1.66	55.10	52.27	69.71	33.49	8.05
Feb-20	81.69	2.28	41.76	42.57	54.20	53.85	8.89
Mar-20	45.53	1.01	20.07	40.59	36.35	51.95	4.03
Minimum	31.39	0.33	7.42	5.60	5.86	22.54	4.03
Maximum	141.00	2.28	59.95	73.29	80.11	87.97	30.84
Average	84.27	0.93	27.40	32.38	35.61	39.35	12.58

**Annual Report 2019-20****3. Continuous Ambient Air Quality Monitoring Station at Bahadurgah**

<b>Monitoring Location : Arya Nagar, Bahadurgah - HSPCB</b>									
<b>Monitoring Conducted By: Environnement SA India Pvt. Ltd</b>									
<b>Months</b>	<b>NO</b>	<b>NO<sub>2</sub></b>	<b>NO<sub>x</sub></b>	<b>NH<sub>3</sub></b>	<b>SO<sub>2</sub></b>	<b>CO</b>	<b>O<sub>3</sub></b>	<b>PM<sub>2.5</sub></b>	<b>PM<sub>10</sub></b>
	<b>µg/m<sup>3</sup></b>	<b>µg/m<sup>3</sup></b>	<b>ppb</b>	<b>µg/m<sup>3</sup></b>	<b>µg/m<sup>3</sup></b>	<b>mg/m<sup>3</sup></b>	<b>µg/m<sup>3</sup></b>	<b>µg/m<sup>3</sup></b>	<b>µg/m<sup>3</sup></b>
<b>Apr-19</b>	13.09	40.75	28.87	22.59	5.72	0.70	22.95	72.00	160.91
<b>May-19</b>	9.23	30.53	27.22	35.26	5.45	0.89	32.61	73.40	167.68
<b>Jun-19</b>	6.82	25.71	17.16	13.73	3.03	0.67	33.25	49.97	139.39
<b>Jul-19</b>	7.64	24.24	18.60	16.40	1.59	0.56	30.73	34.57	86.88
<b>Aug-19</b>	21.08	24.50	29.17	39.35	1.60	0.70	38.78	26.74	54.90
<b>Sep-19</b>	5.03	23.13	14.64	24.56	2.58	0.75	41.44	32.29	63.45
<b>Oct-19</b>	20.65	49.25	39.83	67.02	11.65	1.30	51.67	84.24	149.82
<b>Nov-19</b>	8.54	55.41	32.56	50.17	9.95	1.04	22.50	122.61	171.39
<b>Dec-19</b>	25.07	54.17	45.32	49.29	7.27	1.24	17.57	103.80	143.31
<b>Jan-20</b>	22.47	56.72	40.30	39.74	8.19	1.86	15.03	74.45	103.94
<b>Feb-20</b>	28.81	16.65	26.59	13.71	17.15	1.36	21.94	70.08	122.89
<b>Mar-20</b>	5.39	22.34	13.16	26.97	17.97	0.59	34.90	55.23	86.90
<b>Minimum</b>	<b>5.03</b>	<b>16.65</b>	<b>13.16</b>	<b>13.71</b>	<b>1.59</b>	<b>0.56</b>	<b>15.03</b>	<b>26.74</b>	<b>54.90</b>
<b>Maximum</b>	<b>28.81</b>	<b>56.72</b>	<b>45.32</b>	<b>67.02</b>	<b>17.97</b>	<b>1.86</b>	<b>51.67</b>	<b>122.61</b>	<b>171.39</b>
<b>Average</b>	<b>14.49</b>	<b>35.28</b>	<b>27.79</b>	<b>33.23</b>	<b>7.68</b>	<b>0.97</b>	<b>30.28</b>	<b>66.61</b>	<b>120.95</b>

**4. Continuous Ambient Air Quality Monitoring Station at Ballabgarh**

<b>Monitoring Location : Nathu Colony, Ballabgarh - HSPCB</b>									
<b>Monitoring Conducted By: Environnement SA India Pvt. Ltd</b>									
<b>Months</b>	<b>NO</b>	<b>NO<sub>2</sub></b>	<b>NO<sub>x</sub></b>	<b>NH<sub>3</sub></b>	<b>SO<sub>2</sub></b>	<b>CO</b>	<b>O<sub>3</sub></b>	<b>PM<sub>2.5</sub></b>	<b>PM<sub>10</sub></b>
	<b>µg/m<sup>3</sup></b>	<b>µg/m<sup>3</sup></b>	<b>ppb</b>	<b>µg/m<sup>3</sup></b>	<b>µg/m<sup>3</sup></b>	<b>mg/m<sup>3</sup></b>	<b>µg/m<sup>3</sup></b>	<b>µg/m<sup>3</sup></b>	<b>µg/m<sup>3</sup></b>
<b>Apr-19</b>	38.64	42.72	55.52	180.92	8.30	1.32	20.29	115.08	302.39
<b>May-19</b>	40.35	43.75	50.09	65.73	5.80	1.26	20.68	108.69	310.30
<b>Jun-19</b>	18.77	26.00	27.34	26.25	9.54	0.99	24.52	94.59	248.90
<b>Jul-19</b>	14.71	15.67	20.41	33.08	2.24	1.38	49.66	54.10	176.60
<b>Aug-19</b>	12.33	15.34	19.22	51.06	1.99	1.43	39.21	24.18	72.36
<b>Sep-19</b>	11.11	29.28	29.13	138.13	1.50	1.60	35.40	28.80	67.85
<b>Oct-19</b>	21.51	40.03	42.43	146.76	7.85	1.25	17.64	89.18	210.88
<b>Nov-19</b>	31.54	37.98	47.43	102.49	14.26	2.67	16.39	114.49	256.75
<b>Dec-19</b>	33.46	71.81	68.33	55.88	5.41	2.68	7.32	156.71	337.82
<b>Jan-20</b>	23.78	48.67	48.90	32.36	7.00	2.03	5.12	144.69	263.51
<b>Feb-20</b>	8.36	10.03	14.68	12.37	8.68	1.69	6.41	88.22	230.56
<b>Mar-20</b>	5.26	20.10	15.58	16.10	6.44	0.97	9.28	39.62	96.28
<b>Minimum</b>	<b>5.26</b>	<b>10.03</b>	<b>14.68</b>	<b>12.37</b>	<b>1.50</b>	<b>0.97</b>	<b>5.12</b>	<b>24.18</b>	<b>67.85</b>
<b>Maximum</b>	<b>40.35</b>	<b>71.81</b>	<b>68.33</b>	<b>180.92</b>	<b>14.26</b>	<b>2.68</b>	<b>49.66</b>	<b>156.71</b>	<b>337.82</b>
<b>Average</b>	<b>21.65</b>	<b>33.45</b>	<b>36.59</b>	<b>71.76</b>	<b>6.58</b>	<b>1.61</b>	<b>20.99</b>	<b>88.20</b>	<b>214.52</b>

## Annual Report 2019-20

## 5. Continuous Ambient Air Quality Monitoring Station at Bhiwani.

Monitoring Location : H.B. Colony, Bhiwani - HSPCB									
Monitoring Conducted By: Environnement SA India Pvt. Ltd									
Months	NO	NO2	NOx	NH3	SO <sub>2</sub>	CO	O <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Apr-19	5.28	21.78	11.90	28.87	20.53	0.51	34.91	76.13	130.54
May-19	3.88	29.25	16.31	32.80	14.49	0.79	32.86	88.48	128.34
Jun-19	3.08	20.74	9.85	15.39	11.97	0.89	50.69	77.90	120.60
Jul-19	5.61	33.57	19.18	14.62	9.46	0.68	71.16	63.91	100.58
Aug-19	4.82	25.36	15.83	11.09	7.76	0.41	30.07	35.22	50.03
Sep-19	2.74	17.57	9.40	13.94	6.98	1.18	45.28	45.49	78.35
Oct-19	3.87	22.30	14.14	31.72	9.17	0.84	34.20	88.65	157.50
Nov-19	3.27	108.16	16.48	30.56	11.83	0.95	69.69	139.80	197.80
Dec-19	7.17	36.72	24.58	14.37	14.38	1.04	73.30	128.14	175.02
Jan-20	4.27	28.18	18.08	10.91	14.83	0.92	56.72	80.95	121.95
Feb-20	2.77	23.05	13.71	25.99	33.57	1.07	83.42	71.48	137.69
Mar-20	1.97	20.36	12.18	32.07	40.12	0.79	96.26	29.85	80.12
Minimum	1.97	17.57	9.40	10.91	6.98	0.41	30.07	29.85	50.03
Maximum	7.17	108.16	24.58	32.80	40.12	1.18	96.26	139.80	197.80
Average	4.06	32.25	15.14	21.86	16.26	0.84	56.55	77.17	123.21

## 6. Continuous Ambient Air Quality Monitoring Station at Dharuhera.

Monitoring Location : Municipal Corporation Office, Dharuhera - HSPCB									
Monitoring Conducted By: Environnement SA India Pvt. Ltd									
Months	NO	NO2	NOx	NH3	SO <sub>2</sub>	CO	O <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Apr-19	12.96	50.81	34.15	22.37	24.91	0.81	28.01	66.64	181.48
May-19	5.80	38.09	24.26	22.82	17.58	0.92	22.59	68.77	186.43
Jun-19	2.45	23.97	14.20	22.49	12.48	1.22	41.37	58.45	174.88
Jul-19	2.37	16.22	9.50	20.00	2.65	1.27	44.68	38.53	127.72
Aug-19	3.17	16.14	11.92	19.17	2.36	2.13	41.67	30.54	74.97
Sep-19	3.55	19.61	23.15	16.64	4.74	2.66	55.72	41.48	93.50
Oct-19	10.33	46.96	31.28	26.06	10.86	1.23	59.87	95.03	232.69
Nov-19	18.53	66.99	49.85	46.01	11.98	2.30	41.15	133.82	255.80
Dec-19	25.85	57.41	50.76	43.39	11.86	1.76	26.08	125.17	218.51
Jan-20	26.11	54.01	49.23	32.38	18.17	2.49	24.93	71.37	188.89
Feb-20	15.76	56.00	41.84	33.13	19.32	1.06	43.26	78.03	210.68
Mar-20	9.42	36.48	26.53	28.45	18.38	1.56	34.86	55.52	139.27
Minimum	2.37	16.14	9.50	16.64	2.36	0.81	22.59	30.54	74.97
Maximum	26.11	66.99	50.76	46.01	24.91	2.66	59.87	133.82	255.80
Average	11.36	40.22	30.56	27.74	12.94	1.62	38.68	71.95	173.73



## Annual Report 2019-20

## 7. Continuous Ambient Air Quality Monitoring Station at Jind.

Monitoring Location : Police Lines, Jind - HSPCB									
Monitoring Conducted By: Environnement SA India Pvt. Ltd									
Months	NO	NO2	NOx	NH3	SO <sub>2</sub>	CO	O <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Apr-19	3.71	20.46	11.80	27.84	14.12	0.40	45.10	62.11	174.47
May-19	4.46	27.18	15.18	28.90	14.62	0.60	41.42	79.71	189.55
Jun-19	3.28	18.62	10.50	24.48	17.55	0.48	62.48	59.37	186.58
Jul-19	2.99	12.36	7.23	40.60	6.29	0.38	55.85	49.55	112.80
Aug-19	3.06	11.26	6.72	41.13	6.23	0.67	36.09	34.26	61.75
Sep-19	3.09	12.21	7.24	34.40	3.82	0.74	40.17	40.70	68.32
Oct-19	3.40	23.66	13.49	40.68	7.57	0.66	44.21	118.24	181.63
Nov-19	4.14	32.11	18.51	45.07	6.93	0.69	35.86	192.62	250.71
Dec-19	4.78	24.68	15.14	33.93	3.93	0.89	25.37	130.53	173.81
Jan-20	6.47	28.63	18.55	31.16	5.39	0.65	29.79	87.48	115.56
Feb-20	5.69	46.29	27.53	40.35	13.82	0.65	52.53	83.06	126.42
Mar-20	3.40	19.41	11.59	58.18	22.96	0.36	48.50	49.26	75.79
Minimum	2.99	11.26	6.72	24.48	3.82	0.36	25.37	34.26	61.75
Maximum	6.47	46.29	27.53	58.18	22.96	0.89	62.48	192.62	250.71
Average	4.04	23.07	13.62	37.23	10.28	0.60	43.11	82.24	143.12

## 8. Continuous Ambient Air Quality Monitoring Station at Karnal.

Monitoring Location : Sector-12, Karnal - HSPCB									
Monitoring Conducted By: Environnement SA India Pvt. Ltd									
Months	NO	NO2	NOx	NH3	SO <sub>2</sub>	CO	O <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Apr-19	9.16	27.40	33.71	76.83	34.36	0.57	48.40	97.98	186.07
May-19	8.76	28.96	42.21	75.60	22.01	0.65	40.59	97.34	168.47
Jun-19	3.71	19.55	31.74	51.08	35.83	0.50	49.21	86.51	160.07
Jul-19	5.05	17.18	25.21	44.27	24.89	0.46	27.69	45.32	92.72
Aug-19	7.08	11.69	11.88	18.91	32.99	0.46	12.75	31.54	79.77
Sep-19	16.10	9.97	18.10	14.20	19.94	0.50	14.96	39.69	98.25
Oct-19	6.69	10.13	10.77	44.60	13.06	0.85	27.05	118.43	228.94
Nov-19	8.22	23.74	19.00	66.40	17.40	1.03	23.73	136.61	272.79
Dec-19	14.76	28.36	26.65	88.86	11.81	0.89	17.21	125.73	221.89
Jan-20	11.86	25.78	37.38	85.98	41.63	0.71	10.15	82.59	138.91
Feb-20	11.08	27.63	38.70	44.40	19.57	0.67	14.69	77.63	148.80
Mar-20	4.08	14.08	12.30	35.93	45.11	0.39	20.13	49.42	89.72
Minimum	3.71	9.97	10.77	14.20	11.81	0.39	10.15	31.54	79.77
Maximum	16.10	28.96	42.21	88.86	45.11	1.03	49.21	136.61	272.79
Average	8.88	20.37	25.64	53.92	26.55	0.64	25.55	82.40	157.20

## Annual Report 2019-20

## 9. Continuous Ambient Air Quality Monitoring Station at Mewat.

Monitoring Location : General Hospital, Mandikhera ( Mewat) – HSPCB									
Monitoring Conducted By: Environnement SA India Pvt. Ltd									
Months	NO	NO2	NOx	NH3	SO <sub>2</sub>	CO	O <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Apr-19	11.19	30.61	24.34	31.10	13.10	0.99	61.66	61.08	173.74
May-19	8.03	12.47	12.99	26.21	6.22	1.06	79.19	59.84	143.37
Jun-19	9.05	19.52	20.27	40.55	5.89	1.74	63.88	54.78	122.73
Jul-19	7.44	12.38	13.86	10.61	2.64	1.18	17.42	43.28	80.09
Aug-19	6.66	12.49	12.63	8.95	4.49	1.45	9.76	*	40.61
Sep-19	7.52	12.50	12.13	11.17	4.62	0.96	8.80	*	65.03
Oct-19	20.23	22.71	24.39	37.09	6.92	1.05	36.90	118.74	139.37
Nov-19	20.20	13.90	25.74	49.22	9.24	1.07	45.50	109.42	172.73
Dec-19	24.33	14.19	30.52	78.56	9.09	0.86	35.14	109.50	130.58
Jan-20	10.74	15.80	18.52	37.48	7.10	1.54	27.89	76.86	136.47
Feb-20	11.74	6.04	12.91	23.13	8.12	0.88	50.76	64.53	138.51
Mar-20	10.29	17.72	10.09	7.19	15.19	1.13	64.47	38.42	90.59
Minimum	6.66	6.04	10.09	7.19	2.64	0.86	8.80	38.42	40.61
Maximum	24.33	30.61	30.52	78.56	15.19	1.74	79.19	118.74	173.74
Average	12.29	15.86	18.20	30.10	7.72	1.16	41.78	73.65	119.48

## 10. Continuous Ambient Air Quality Monitoring Station at Manesar.

Monitoring Location : Sector-2 IMT, Manesar - HSPCB									
Monitoring Conducted By: Environnement SA India Pvt. Ltd									
Months	NO	NO2	NOx	NH3	SO <sub>2</sub>	CO	O <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Apr-19	25.76	53.04	46.50	66.04	58.15	1.11	32.00	80.44	205.27
May-19	16.13	54.29	41.30	35.54	34.97	0.99	44.89	102.94	191.37
Jun-19	9.34	37.02	25.55	31.22	10.64	0.71	42.68	91.97	183.35
Jul-19	9.40	24.84	18.11	29.47	2.24	0.57	21.02	44.18	116.93
Aug-19	9.61	24.05	17.87	23.59	3.48	0.59	17.83	54.18	140.17
Sep-19	11.16	23.78	18.96	21.06	10.26	0.70	23.22	41.43	76.70
Oct-19	29.91	56.52	54.57	59.53	12.46	1.29	38.28	109.48	201.40
Nov-19	37.00	66.54	64.44	108.49	15.94	1.66	31.55	150.51	250.72
Dec-19	47.62	56.60	67.76	105.90	22.45	1.54	20.57	108.12	157.49
Jan-20	44.71	53.38	63.74	98.46	25.71	1.43	19.27	78.56	138.42
Feb-20	35.83	54.87	57.42	103.50	25.92	1.07	35.72	74.54	169.13
Mar-20	18.11	35.97	33.33	34.71	15.47	0.61	35.63	42.53	99.53
Minimum	9.34	23.78	17.87	21.06	2.24	0.57	17.83	41.43	76.70
Maximum	47.62	66.54	67.76	108.49	58.15	1.66	44.89	150.51	250.72
Average	24.55	45.07	42.46	59.79	19.81	1.02	30.22	81.57	160.87

## Annual Report 2019-20

## 11. Continuous Ambient Air Quality Monitoring Station at Narnaul.

Monitoring Location : Shastri Nagar, Narnaul - HSPCB									
Monitoring Conducted By: Environnement SA India Pvt. Ltd									
Months	NO	NO2	NOx	NH3	SO <sub>2</sub>	CO	O <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Apr-19	9.19	19.27	13.36	46.41	5.19	0.45	23.67	71.44	166.86
May-19	13.15	17.96	15.72	23.71	10.13	0.70	11.12	60.07	136.82
Jun-19	8.94	13.62	13.28	25.51	*	0.40	8.51	65.75	128.25
Jul-19	12.86	9.04	15.85	13.68	*	0.26	4.23	38.13	73.80
Aug-19	27.38	17.12	31.61	16.73	5.98	0.35	6.99	36.71	38.81
Sep-19	15.98	12.30	19.44	31.48	4.26	0.35	12.32	27.74	51.52
Oct-19	25.50	25.10	32.91	40.77	3.89	0.58	10.09	82.41	145.35
Nov-19	19.17	20.75	26.27	34.19	3.62	0.68	9.31	94.51	141.70
Dec-19	10.24	5.57	9.67	30.93	6.23	1.71	9.73	94.25	125.75
Jan-20	6.49	9.06	8.04	30.15	6.10	0.67	11.78	76.20	102.04
Feb-20	6.22	15.61	10.65	23.98	5.16	0.61	9.70	68.75	115.41
Mar-20	*	*	*	*	4.69	0.37	12.55	34.40	82.21
Minimum	6.22	5.57	8.04	13.68	3.62	0.26	4.23	27.74	38.81
Maximum	27.38	25.10	32.91	46.41	10.13	1.71	23.67	94.51	166.86
Average	14.10	15.04	17.89	28.87	5.53	0.59	10.83	62.53	109.04

## 12. Continuous Ambient Air Quality Monitoring Station at Palwal.

Monitoring Location : Shyam Nagar, Palwal - HSPCB									
Monitoring Conducted By: Environnement SA India Pvt. Ltd									
Months	NO	NO2	NOx	NH3	SO <sub>2</sub>	CO	O <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Apr-19	18.45	23.46	38.15	46.46	11.05	0.88	29.04	119.35	228.39
May-19	11.63	18.81	29.47	71.22	9.11	1.00	36.86	115.68	186.12
Jun-19	18.77	26.00	27.34	26.25	9.54	0.99	24.52	94.59	248.90
Jul-19	10.01	12.57	20.95	86.07	2.80	1.22	25.06	53.47	99.76
Aug-19	10.57	11.91	20.79	93.30	1.91	1.00	16.64	37.98	76.10
Sep-19	12.14	9.81	21.70	170.65	1.43	0.80	11.05	32.70	73.72
Oct-19	27.38	21.41	50.20	144.34	2.26	1.08	17.97	89.53	173.99
Nov-19	54.89	31.57	86.37	213.76	2.22	1.32	13.67	152.06	235.68
Dec-19	45.27	28.61	72.66	106.36	2.05	1.00	8.44	141.54	184.23
Jan-20	24.92	12.46	31.03	106.84	6.51	1.58	8.30	113.75	171.79
Feb-20	25.38	10.22	35.60	113.05	13.40	1.38	11.05	88.12	164.42
Mar-20	26.44	9.31	35.20	80.83	11.18	1.13	9.90	49.82	114.59
Minimum	10.01	9.31	20.79	26.25	1.43	0.80	8.30	32.70	73.72
Maximum	54.89	31.57	86.37	213.76	13.40	1.58	36.86	152.06	248.90
Average	23.82	18.01	39.12	104.93	6.12	1.11	17.71	90.72	163.14

## Annual Report 2019-20

## 13. Continuous Ambient Air Quality Monitoring Station at Panipat.

Monitoring Location : Sector-18, Panipat - HSPCB									
Monitoring Conducted By: Environnement SA India Pvt. Ltd									
Months	NO	NO2	NOx	NH3	SO <sub>2</sub>	CO	O <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Apr-19	30.48	38.46	44.21	41.04	16.17	0.70	41.45	39.31	164.11
May-19	18.39	31.18	31.14	49.14	20.64	0.98	31.68	63.19	215.85
Jun-19	18.49	18.47	24.40	45.47	16.54	0.77	59.21	52.97	148.49
Jul-19	19.13	12.74	19.83	75.33	20.94	0.57	41.91	36.16	74.50
Aug-19	15.21	13.81	17.20	53.29	30.30	0.64	24.28	25.50	77.23
Sep-19	5.21	16.61	10.78	63.69	16.98	0.41	34.59	42.90	98.23
Oct-19	44.22	70.79	64.49	47.58	18.35	0.92	51.59	135.09	300.90
Nov-19	70.77	72.86	92.10	49.52	17.09	0.92	42.41	197.60	364.01
Dec-19	274.22	73.42	258.28	17.41	30.71	0.48	36.41	142.20	375.54
Jan-20	294.97	77.37	269.55	37.54	25.69	0.57	27.98	103.68	257.47
Feb-20	282.38	85.08	270.77	37.76	23.95	0.40	29.81	83.55	250.66
Mar-20	33.32	69.45	59.32	49.20	17.41	0.35	30.33	47.30	136.93
Minimum	5.21	12.74	10.78	17.41	16.17	0.35	24.28	25.50	74.50
Maximum	294.97	85.08	270.77	75.33	30.71	0.98	59.21	197.60	375.54
Average	92.23	48.35	96.84	47.25	21.23	0.64	37.64	80.78	205.33

## 14. Continuous Ambient Air Quality Monitoring Station at Sonipat.

Monitoring Location : Murthal, Sonipat - HSPCB									
Monitoring Conducted By: Environnement SA India Pvt. Ltd									
Months	NO	NO2	NOx	NH3	SO <sub>2</sub>	CO	O <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Apr-19	5.87	21.13	13.82	33.00	37.21	0.67	64.37	75.12	191.71
May-19	4.59	17.75	10.28	35.97	36.06	0.86	75.05	88.79	181.85
Jun-19	5.57	13.90	8.79	19.87	35.20	1.11	75.09	76.00	190.87
Jul-19	2.61	7.01	2.66	13.15	22.33	0.29	19.56	35.13	62.41
Aug-19	4.50	12.35	3.49	17.33	55.83	1.08	58.55	47.92	94.45
Sep-19	4.52	24.50	9.97	15.68	14.90	1.18	16.99	42.33	93.17
Oct-19	16.38	16.45	10.99	22.14	43.56	1.01	23.50	48.01	143.79
Nov-19	6.91	22.97	9.92	16.64	15.62	1.22	16.33	42.82	106.79
Dec-19	31.84	26.78	9.54	25.75	28.39	2.36	8.53	32.09	157.76
Jan-20	25.80	39.66	18.27	26.92	53.81	2.90	7.16	43.39	180.12
Feb-20	35.62	40.38	26.12	25.90	28.92	0.82	14.30	41.67	168.63
Mar-20	62.58	44.59	20.27	21.02	27.48	1.25	18.06	35.51	117.34
Minimum	2.61	7.01	2.66	13.15	14.90	0.29	7.16	32.09	62.41
Maximum	62.58	44.59	26.12	35.97	55.83	2.90	75.09	88.79	191.71
Average	17.23	23.96	12.01	22.78	33.28	1.23	33.12	50.73	140.74

## Annual Report 2019-20

## 15. Continuous Ambient Air Quality Monitoring Station at CharkhiDadri.

Monitoring Location : Mini Secretariat, CharkhiDadri - HSPCB  
Monitoring Conducted By: Environnement SA India Pvt. Ltd

Months	NO $\mu\text{g}/\text{m}^3$	NO <sub>2</sub> $\mu\text{g}/\text{m}^3$	NO <sub>x</sub> ppb	NH <sub>3</sub> $\mu\text{g}/\text{m}^3$	SO <sub>2</sub> $\mu\text{g}/\text{m}^3$	CO mg/m <sup>3</sup>	O <sub>3</sub> $\mu\text{g}/\text{m}^3$	PM <sub>2.5</sub> $\mu\text{g}/\text{m}^3$	PM <sub>10</sub> $\mu\text{g}/\text{m}^3$
Feb-20	12.29	10.95	11.67	59.65	19.59	0.97	21.14	152.25	185.78
Mar-20	9.89	2.94	4.20	69.49	10.64	0.75	20.04	102.01	128.25
Minimum	9.89	2.94	4.20	59.65	10.64	0.75	20.04	102.01	128.25
Maximum	12.29	10.95	11.67	69.49	19.59	0.97	21.14	152.25	185.78
Average	11.09	6.94	7.93	64.57	15.11	0.86	20.59	127.13	157.01

CAAQMS start from February 2020

## 16. Continuous Ambient Air Quality Monitoring Station at Faridabad

Monitoring Location : New Industrial Town, Faridabad - HSPCB  
Monitoring Conducted By: Environnement SA India Pvt. Ltd

Months	NO $\mu\text{g}/\text{m}^3$	NO <sub>2</sub> $\mu\text{g}/\text{m}^3$	NO <sub>x</sub> ppb	NH <sub>3</sub> $\mu\text{g}/\text{m}^3$	SO <sub>2</sub> $\mu\text{g}/\text{m}^3$	CO mg/m <sup>3</sup>	O <sub>3</sub> $\mu\text{g}/\text{m}^3$	PM <sub>2.5</sub> $\mu\text{g}/\text{m}^3$	PM <sub>10</sub> $\mu\text{g}/\text{m}^3$
Feb-20	68.26	20.62	141.70	65.63	26.35	1.97	32.24	175.97	358.31
Mar-20	132.23	46.47	122.60	56.82	25.18	2.65	70.50	211.45	270.82
Minimum	68.26	20.62	122.60	56.82	25.18	1.97	32.24	175.97	270.82
Maximum	132.23	46.47	141.70	65.63	26.35	2.65	70.50	211.45	358.31
Average	100.25	33.55	132.15	61.23	25.77	2.31	51.37	193.71	314.56

CAAQMS start from February 2020

## 17. Continuous Ambient Air Quality Monitoring Station at Sector 11, Faridabad

Monitoring Location : Sector 11, Faridabad - HSPCB  
Monitoring Conducted By: Environnement SA India Pvt. Ltd

Months	NO $\mu\text{g}/\text{m}^3$	NO <sub>2</sub> $\mu\text{g}/\text{m}^3$	NO <sub>x</sub> ppb	NH <sub>3</sub> $\mu\text{g}/\text{m}^3$	SO <sub>2</sub> $\mu\text{g}/\text{m}^3$	CO mg/m <sup>3</sup>	O <sub>3</sub> $\mu\text{g}/\text{m}^3$	PM <sub>2.5</sub> $\mu\text{g}/\text{m}^3$	PM <sub>10</sub> $\mu\text{g}/\text{m}^3$
Feb-20	63.36	36.49	65.42	56.70	38.31	2.94	31.85	262.38	466.33
Mar-20	29.94	18.24	32.66	42.54	14.43	2.06	80.10	125.73	284.46
Minimum	29.94	18.24	32.66	42.54	14.43	2.06	31.85	125.73	284.46
Maximum	63.36	36.49	65.42	56.70	38.31	2.94	80.10	262.38	466.33
Average	46.65	27.36	49.04	49.62	26.37	2.50	55.98	194.05	375.40

CAAQMS start from February 2020

## Annual Report 2019-20

## 18. Continuous Ambient Air Quality Monitoring Station at Sector 30, Faridabad

Monitoring Location : Sector 30, Faridabad - HSPCB									
Monitoring Conducted By: Environnement SA India Pvt. Ltd									
Months	NO	NO2	NOx	NH3	SO <sub>2</sub>	CO	O <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Feb-20	42.82	40.15	52.80	80.44	1.52	8.59	26.97	130.83	371.11
Mar-20	25.26	8.70	28.99	63.33	0.78	6.69	23.33	66.95	157.73
Minimum	25.26	8.70	28.99	63.33	0.78	6.69	23.33	66.95	157.73
Maximum	42.82	40.15	52.80	80.44	1.52	8.59	26.97	130.83	371.11
Average	34.04	24.43	40.89	71.88	1.15	7.64	25.15	98.89	264.42
CAAQMS start from February 2020									

## 19. Continuous Ambient Air Quality Monitoring Station at Gurugram

Monitoring Location : Sector-51, Gurugram - HSPCB									
Monitoring Conducted By: Environnement SA India Pvt. Ltd									
Months	NO	NO2	NOx	NH3	SO <sub>2</sub>	CO	O <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Feb-20	24.78	30.59	28.16	58.63	14.63	1.21	11.58	106.49	211.97
Mar-20	13.83	23.24	28.06	43.64	19.06	0.98	54.54	65.57	142.77
Minimum	13.83	23.24	28.06	43.64	14.63	0.98	11.58	65.57	142.77
Maximum	24.78	30.59	28.16	58.63	19.06	1.21	54.54	106.49	211.97
Average	19.31	26.91	28.11	51.13	16.84	1.10	33.06	86.03	177.37
CAAQMS start from February 2020									

## 20. Continuous Ambient Air Quality Monitoring Station at Teri Gram, Gurugram

Monitoring Location : Teri Gram, Gurugram - HSPCB									
Monitoring Conducted By: Environnement SA India Pvt. Ltd									
Months	NO	NO2	NOx	NH3	SO <sub>2</sub>	CO	O <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Feb-20	52.54	27.08	57.92	122.65	49.04	1.24	1.86	130.87	187.35
Mar-20	16.46	14.54	20.19	97.44	25.04	0.75	36.02	60.13	97.51
Minimum	16.46	14.54	20.19	97.44	25.04	0.75	1.86	60.13	97.51
Maximum	52.54	27.08	57.92	122.65	49.04	1.24	36.02	130.87	187.35
Average	34.50	20.81	39.06	110.04	37.04	0.99	18.94	95.50	142.43
CAAQMS start from February 2020									

## 21. Continuous Ambient Air Quality Monitoring Station at Patti Mehar, Ambala

## Annual Report 2019-20

Monitoring Location : Patti Mehar, Ambala - HSPCB									
Monitoring Conducted By: Environnement SA India Pvt. Ltd									
Months	NO	NO2	NOx	NH3	SO <sub>2</sub>	CO	O <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Apr-19	5.37	29.84	19.91	35.80	22.35	0.41	70.78	45.12	148.19
May-19	3.94	40.91	23.72	14.71	24.31	0.49	83.76	63.52	159.02
Jun-19	4.86	30.24	18.31	12.12	18.23	0.35	78.99	58.76	155.02
Jul-19	6.06	23.40	17.66	20.42	13.68	0.36	42.54	39.91	90.22
Aug-19	9.90	21.50	11.75	22.63	23.89	0.41	27.63	32.79	67.33
Sep-19	7.03	24.10	15.63	16.83	25.76	0.42	25.30	38.46	76.80
Oct-19	11.01	43.38	31.50	19.37	16.79	0.72	38.94	98.83	187.64
Nov-19	9.97	40.28	29.05	24.55	12.84	0.84	30.25	104.46	194.39
Dec-19	11.79	38.90	29.79	37.14	15.20	0.84	46.20	94.84	178.91
Jan-20	11.95	45.41	33.30	29.65	17.23	0.75	64.24	70.55	132.86
Feb-20	5.43	31.46	20.79	23.53	18.95	0.61	47.76	69.11	137.98
Mar-20	6.56	19.65	14.92	21.21	18.10	0.31	28.40	35.30	79.31
Minimum	3.94	19.65	11.75	12.12	12.84	0.31	25.30	32.79	67.33
Maximum	11.95	45.41	33.30	37.14	25.76	0.84	83.76	104.46	194.39
Average	7.82	32.42	22.19	23.16	18.95	0.54	48.73	62.64	133.97

## 22. Continuous Ambient Air Quality Monitoring Station at Sector-7, Kurukshetra

Monitoring Location : Sector-7, Kurukshetra - HSPCB									
Monitoring Conducted By: Environnement SA India Pvt. Ltd									
Months	NO	NO2	NOx	NH3	SO <sub>2</sub>	CO	O <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Apr-19	3.88	28.07	18.91	60.99	23.14	0.46	65.27	46.72	152.62
May-19	3.15	26.52	17.34	37.26	17.10	0.54	57.50	50.09	159.12
Jun-19	2.31	18.39	12.10	21.40	9.13	0.41	59.45	42.42	152.53
Jul-19	1.98	10.73	7.85	24.45	3.82	0.35	37.57	32.28	82.95
Aug-19	3.16	15.97	11.98	13.92	4.15	0.35	25.06	24.03	58.53
Sep-19	2.41	15.68	10.35	16.83	4.70	0.50	21.08	35.14	74.12
Oct-19	5.32	42.47	26.19	19.50	13.30	0.97	37.38	109.18	218.97
Nov-19	8.94	50.55	33.57	24.15	16.10	1.10	32.85	137.00	232.48
Dec-19	8.39	36.76	25.99	22.78	9.06	0.94	24.12	120.21	174.03
Jan-20	7.18	29.44	21.13	27.46	12.05	0.75	22.26	78.67	123.13
Feb-20	4.66	29.72	19.28	43.61	13.57	0.67	37.62	71.68	126.04
Mar-20	3.51	22.19	14.41	14.21	17.50	0.39	33.66	38.96	75.93
Minimum	1.98	10.73	7.85	13.92	3.82	0.35	21.08	24.03	58.53
Maximum	8.94	50.55	33.57	60.99	23.14	1.10	65.27	137.00	232.48

06/63

## Annual Report 2019-20

Average	4.57	27.22	18.26	27.21	11.97	0.62	37.82	65.53	135.87
---------	------	-------	-------	-------	-------	------	-------	-------	--------

## 23. Continuous Ambient Air Quality Monitoring Station at Sector-7, Kurukshetra.

Monitoring Location : Rishi Nagar, Kaithal - HSPCB									
Monitoring Conducted By: Environnement SA India Pvt. Ltd									
Months	NO	NO2	NOx	NH3	SO <sub>2</sub>	CO	O <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Apr-19	3.68	15.79	20.73	95.67	7.76	0.47	58.10	65.03	156.02
May-19	3.55	11.50	21.23	47.69	4.59	0.63	54.94	69.34	164.02
Jun-19	2.91	7.69	7.04	28.17	4.72	0.47	48.47	57.28	156.18
Jul-19	2.91	6.03	9.60	59.92	5.57	0.38	47.30	48.33	102.64
Aug-19	2.72	6.52	10.11	47.77	4.98	0.46	32.26	30.83	59.51
Sep-19	2.89	12.77	9.34	63.18	6.53	0.55	21.85	26.78	76.20
Oct-19	2.61	42.06	22.67	58.13	6.72	1.06	26.29	61.92	229.37
Nov-19	3.14	37.71	20.15	58.54	7.00	1.24	47.60	89.53	243.62
Dec-19	2.99	37.33	20.02	60.08	6.97	1.04	28.99	75.61	168.84
Jan-20	2.61	34.06	18.41	68.59	6.82	0.82	11.52	52.49	106.77
Feb-20	2.93	28.50	15.42	53.31	6.22	0.74	19.85	50.00	118.83
Mar-20	1.53	20.19	10.72	51.53	5.48	0.45	19.21	29.17	77.13
Minimum	1.53	6.03	7.04	28.17	4.59	0.38	11.52	26.78	59.51
Maximum	3.68	42.06	22.67	95.67	7.76	1.24	58.10	89.53	243.62
Average	2.87	21.68	15.45	57.72	6.11	0.69	34.70	54.69	138.26

## 24. Continuous Ambient Air Quality Monitoring Station at Urban Estate-II, Hisar.

Monitoring Location : Urban Estate-II, Hisar - HSPCB									
Monitoring Conducted By: Environnement SA India Pvt. Ltd									
Months	NO	NO2	NOx	NH3	SO <sub>2</sub>	CO	O <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Apr-19	12.74	24.40	21.84	58.19	33.25	0.63	72.42	71.61	178.72
May-19	6.61	29.07	16.95	21.36	29.31	0.75	60.71	99.25	186.80
Jun-19	5.98	27.19	15.23	24.32	22.99	0.51	76.79	76.01	195.99
Jul-19	6.43	21.51	13.14	32.65	26.79	0.38	42.78	63.67	143.47
Aug-19	5.73	17.83	10.88	32.71	18.53	0.35	39.64	34.44	69.81
Sep-19	3.86	15.14	9.89	23.42	24.23	0.48	44.50	50.95	94.32
Oct-19	5.01	26.48	16.37	17.98	23.76	0.85	55.34	121.94	202.03
Nov-19	5.57	25.85	17.05	29.16	15.92	1.61	31.10	189.79	244.63
Dec-19	16.58	55.35	41.68	41.19	14.25	1.26	14.78	129.92	172.23
Jan-20	6.89	41.85	27.37	37.67	12.47	1.08	12.10	87.24	117.46
Feb-20	3.51	34.79	20.83	39.35	21.27	1.40	23.04	83.86	133.59
Mar-20	1.67	27.36	15.59	79.59	21.72	0.47	18.10	47.26	87.63



**Annual Report 2019-20**

Minimum	1.67	15.14	9.89	17.98	12.47	0.35	12.10	34.44	69.81
Maximum	16.58	55.35	41.68	79.59	33.25	1.61	76.79	189.79	244.63
Average	6.72	28.90	18.90	36.47	22.04	0.82	40.94	88.00	152.22

**25. Continuous Ambient Air Quality Monitoring Station at Urban Estate-II, Hisar.**

Monitoring Location : F-Block, Sirsa - HSPCB									
Monitoring Conducted By: Environnement SA India Pvt. Ltd									
Months	NO	NO2	NOx	NH3	SO <sub>2</sub>	CO	O <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Apr-19	9.47	14.10	13.72	16.47	8.06	1.20	37.24	64.49	151.04
May-19	3.28	5.26	4.99	7.62	11.19	0.46	42.69	74.21	189.44
Jun-19	4.04	6.69	4.60	9.18	10.09	0.34	37.79	71.26	197.41
Jul-19	5.25	6.19	9.06	7.08	9.42	0.37	36.93	75.26	180.38
Aug-19	5.43	6.33	10.73	8.12	8.85	0.56	28.62	52.52	84.11
Sep-19	12.58	18.11	17.28	21.27	3.08	0.37	30.21	67.92	114.18
Oct-19	5.88	26.03	22.79	10.59	3.96	0.70	70.43	134.18	230.69
Nov-19	2.63	2.47	2.92	3.22	9.76	1.13	47.45	144.88	235.95
Dec-19	4.56	2.62	3.83	3.35	12.64	0.93	24.39	63.48	147.45
Jan-20	6.46	2.68	5.01	4.03	35.86	0.72	17.63	40.44	95.23
Feb-20	6.48	4.43	5.02	4.78	37.39	0.63	17.95	43.87	111.07
Mar-20	6.55	4.69	5.04	4.99	39.84	0.42	18.46	26.32	64.25
Minimum	2.63	2.47	2.92	3.22	3.08	0.34	17.63	26.32	64.25
Maximum	12.58	26.03	22.79	21.27	39.84	1.20	70.43	144.88	235.95
Average	6.05	8.30	8.75	8.39	15.85	0.65	34.15	71.57	150.10

**26. Continuous Ambient Air Quality Monitoring Station at Huda Sector, Fatehabad.**

Monitoring Location : Huda Sector, Fatehabad - HSPCB									
Monitoring Conducted By: Environnement SA India Pvt. Ltd									
Months	NO	NO2	NOx	NH3	SO <sub>2</sub>	CO	O <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Apr-19	5.16	14.48	10.14	21.73	19.40	0.80	81.86	69.70	226.31
May-19	4.10	25.11	12.75	20.82	15.47	0.54	94.20	66.91	265.10
Jun-19	3.72	16.18	11.19	16.13	7.67	0.37	43.97	54.93	264.21
Jul-19	4.28	9.21	6.67	23.05	8.81	0.30	29.73	74.52	161.80
Aug-19	3.38	13.28	8.34	20.22	17.23	0.40	15.79	21.39	57.44
Sep-19	2.51	9.51	8.81	32.36	5.51	0.45	36.45	16.20	74.59
Oct-19	1.79	19.21	11.79	20.08	15.79	0.83	62.46	30.61	168.05
Nov-19	7.51	20.65	16.71	24.54	12.78	1.41	47.31	59.92	262.95
Dec-19	4.06	27.08	17.51	45.04	6.16	0.82	31.17	46.73	155.11
Jan-20	3.48	17.42	12.03	31.01	7.29	0.63	18.16	46.12	100.68

**Annual Report 2019-20**

Feb-20	3.53	14.15	10.11	20.60	10.16	0.64	21.97	50.67	113.67
Mar-20	6.71	7.97	8.86	12.63	9.27	0.33	36.75	40.22	66.52
Minimum	1.79	7.97	6.67	12.63	5.51	0.30	15.79	16.20	57.44
Maximum	7.51	27.08	17.51	45.04	19.40	1.41	94.20	74.52	265.10
Average	4.19	16.19	11.24	24.02	11.29	0.63	43.32	48.16	159.70

**27. Continuous Ambient Air Quality Monitoring Station at GobindPura, Yamuna Nagar.**

Monitoring Location : GobindPura, Yamuna Nagar - HSPCB									
Monitoring Conducted By: Environnement SA India Pvt. Ltd									
Months	NO	NO2	NOx	NH3	SO <sub>2</sub>	CO	O <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Apr-19	72.91	39.18	79.79	77.48	8.60	0.77	52.16	77.79	185.13
May-19	79.19	27.84	99.65	70.18	8.55	0.82	29.45	85.36	174.65
Jun-19	78.67	30.30	78.94	51.24	5.65	0.71	73.62	77.94	179.04
Jul-19	117.44	13.46	99.59	31.21	6.32	0.79	56.16	62.39	109.18
Aug-19	108.30	15.56	94.36	30.61	7.90	0.81	33.20	44.80	87.84
Sep-19	20.46	10.17	22.05	38.33	8.16	0.68	47.16	50.25	95.21
Oct-19	63.02	35.53	68.72	50.63	10.81	1.13	63.56	131.00	234.13
Nov-19	42.41	55.07	62.26	39.40	26.17	1.02	50.25	118.23	219.75
Dec-19	21.71	29.84	34.22	35.31	10.09	1.00	22.09	114.12	180.91
Jan-20	17.61	31.80	30.62	22.45	15.33	0.91	28.85	98.35	151.49
Feb-20	11.57	27.12	25.43	20.42	15.00	0.67	34.08	81.50	147.50
Mar-20	10.65	33.74	23.83	14.99	16.73	0.48	34.57	50.80	96.71
Minimum	10.65	10.17	22.05	14.99	5.65	0.48	22.09	44.80	87.84
Maximum	117.44	55.07	99.65	77.48	26.17	1.13	73.62	131.00	234.13
Average	53.66	29.13	59.96	40.19	11.61	0.81	43.76	82.71	155.13

Annual Report 2019-20**28. Continuous Ambient Air Quality Monitoring Station at Sector-7, Kurukshetra**

<b>Monitoring Location : Sector-6, Panchkula - HSPCB</b>							
<b>Monitoring Conducted By: Environnement SA India Pvt. Ltd</b>							
<b>Months</b>	<b>PM2.5</b>	<b>CO</b>	<b>NO</b>	<b>NO2</b>	<b>NOX</b>	<b>O3</b>	<b>SO2</b>
	<b>µg/m3</b>	<b>mg/m3</b>	<b>µg/m3</b>	<b>µg/m3</b>	<b>ppb</b>	<b>µg/m3</b>	<b>µg/m3</b>
<b>Apr-19</b>	40.84	0.53	8.94	17.30	15.88	39.75	8.22
<b>May-19</b>	41.88	0.51	5.50	18.38	15.41	37.31	6.72
<b>Jun-19</b>	46.14	0.41	5.38	14.36	14.36	52.06	5.29
<b>Jul-19</b>	35.40	0.50	5.62	22.29	16.36	18.68	4.85
<b>Aug-19</b>	27.53	0.66	9.02	17.77	16.70	29.76	4.84
<b>Sep-19</b>	39.61	0.39	8.63	13.59	14.22	32.68	4.92
<b>Oct-19</b>	59.37	0.35	9.27	15.30	15.61	45.04	6.60
<b>Nov-19</b>	52.20	0.35	10.05	20.28	19.03	32.27	12.52
<b>Dec-19</b>	62.59	0.55	10.66	21.51	20.20	21.66	10.76
<b>Jan-20</b>	50.08	0.54	10.12	22.14	20.37	19.84	9.90
<b>Feb-20</b>	38.33	0.53	11.63	22.41	21.42	39.60	8.54
<b>Mar-20</b>	18.80	0.77	11.87	17.38	18.97	40.54	7.84
<b>Minimum</b>	<b>18.80</b>	<b>0.35</b>	<b>5.38</b>	<b>13.59</b>	<b>14.22</b>	<b>18.68</b>	<b>4.84</b>
<b>Maximum</b>	<b>62.59</b>	<b>0.77</b>	<b>11.87</b>	<b>22.41</b>	<b>21.42</b>	<b>52.06</b>	<b>12.52</b>
<b>Average</b>	<b>42.73</b>	<b>0.51</b>	<b>8.89</b>	<b>18.56</b>	<b>17.38</b>	<b>34.10</b>	<b>7.58</b>

06/67

Annual Report 2019-20

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

### 10.1 Categorization of Industrial Units/Projects

The Board re-categorized industrial sectors/projects under Red, Orange, Green and White categories for the purpose of consent management under the Water Act, 1974 & the Air Act, 1981 on the basis of directions issued by the 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 these industries. However, White category units/projects are required to provide the pollution control devices where ever required and comply with the standards prescribed for discharge of pollutants under the Environment (Protection) Rules, 1986.



06/69

**Annual Report 2019-20****Details of categorization of industries/projects**

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

Region	Red	Orange	Green	White	Total
Ambala	64	390	49	0	503
Bahadurgarh	272	1017	88	2	1379
Ballabgarh	426	400	79	2	907
Bhiwani	39	1030	11	0	1080
Dharuhera	166	580	45	4	795
Faridabad	141	305	42	0	488
Gurugram (N)	250	355	39	7	651
Gurugram (S)	425	444	209	32	1110
Hisar	74	860	28	0	962
Kaithal	41	496	18	0	555
Karnal	106	424	45	216	791
Kurukshetra	45	267	28	0	340
Nuh	47	41	9	0	97
Palwal	47	57	16	0	120
Panchkula	92	386	55	24	557
Panipat	345	248	52	3	648
Sonepat	341	1030	284	50	1705
Yamuna Nagar	188	1026	21	0	1237
<b>Total</b>	<b>3109</b>	<b>9358</b>	<b>1118</b>	<b>340</b>	<b>13925</b>

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

All 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 the Water Act, 1974 & the Air Act, 1981 is given as under:-

Region	Applications pending as on 31.03.2019	Applications received during 2019-20	Total Applications received	Decided		Pending			Total
				Granted	Refused	Under SCN	Not dealt	Pending for decision	
Ambala	0	30	30	23	7	0	0	0	0
Bahadurgarh	0	217	217	187	30	0	0	0	0
Ballabgarh	0	111	111	100	11	0	0	0	0
Bhiwani	0	89	89	63	26	0	0	0	0
Dharuhera	0	104	104	57	47	0	0	0	0
Faridabad	0	44	44	33	11	0	0	0	0

06/70

**Annual Report 2019-20**

Gurugram (N)	0	179	179	114	65	0	0	0	0
Gurugram (S)	0	227	227	181	46	0	0	0	0
Hisar	0	109	109	79	30	0	0	0	0
Karnal	0	20	20	18	2	0	0	0	0
Kurukshetra	0	30	30	23	7	0	0	0	0
Nuh	0	17	17	11	6	0	0	0	0
Palwal	0	12	12	8	4	0	0	0	0
Panchkula	0	97	97	73	24	0	0	0	0
Panipat	3	100	103	74	28	0	1	0	1
Sonepat	0	346	346	282	64	0	0	0	0
Yamuna Nagar	0	181	181	143	38	0	0	0	0
<b>Total</b>	<b>3</b>	<b>1913</b>	<b>1916</b>	<b>1469</b>	<b>446</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>

**Annual Report 2019-20****10.3 Consent to Operate under the Water Act, 1974 & the 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 the Water Act, 1974 & the Air Act, 1981 is given as under:-

Region	Applications pending as on 31.03.2019	Applications received during 2019-20	Total Applications received	Decided		Pending			
				Granted	Refused	Under SCN	Not dealt	Pending for decision	Total
Ambala	0	57	57	49	8	0	0	0	0
Bahadurgarh	0	475	475	433	42	0	0	0	0
Ballabgarh	0	356	356	293	63	0	0	0	0
Bhiwani	0	432	432	303	129	0	0	0	0
Dharuhera	0	240	240	175	65	0	0	0	0
Faridabad	0	155	155	154	1	0	0	0	0
Gurugram (N)	0	306	306	260	46	0	0	0	0
Gurugram (S)	0	338	338	281	57	0	0	0	0
Hisar	0	428	428	359	69	0	0	0	0
Karnal	0	124	124	124	0	0	0	0	0
Kurukshetra	0	33	33	28	5	0	0	0	0
Nuh	0	48	48	24	24	0	0	0	0
Palwal	0	59	59	57	2	0	0	0	0
Panchkula	0	228	228	134	94	0	0	0	0
Panipat	7	98	105	91	11	0	0	3	3
Sonepat	0	523	523	446	77	0	0	0	0
Yamuna Nagar	0	627	627	421	206	0	0	0	0
<b>Total</b>	<b>7</b>	<b>4527</b>	<b>4534</b>	<b>3632</b>	<b>899</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>



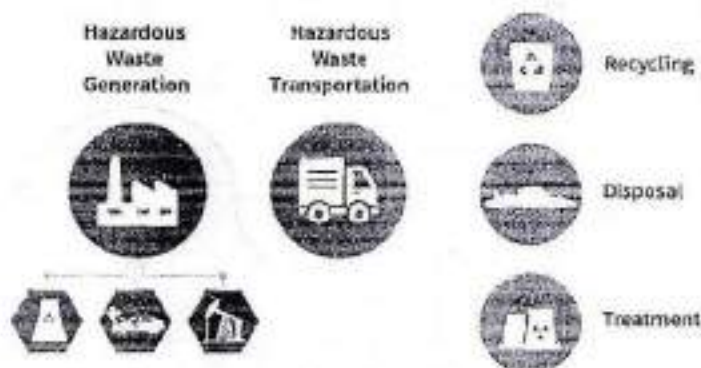
06/72

Annual Report 2019-20

## **CHAPTER 11: HAZARDOUS & OTHER WASTE RULES, 1986**

### 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, 2016 is given as under:-

Region	Applications pending as on 31.03.2019	Applications received during 2019-20	Total Applications received	Decided		Pending			Total
				Granted	Refused	Under SCN	Not dealt	Pending for decision	
Ambala	0	15	15	15	0	0	0	0	0
Bahadurgarh	0	79	79	68	11	0	0	0	0
Ballabgarh	0	206	206	155	51	0	0	0	0
Bhiwani	0	39	39	20	19	0	0	0	0
Dharuhera	0	84	84	61	23	0	0	0	0
Faridabad	0	104	104	104	0	0	0	0	0
Gurugram (N)	0	223	223	165	58	0	0	0	0
Gurugram (S)	0	222	222	184	38	0	0	0	0
Hisar	0	52	52	30	22	0	0	0	0
Kaithal	0	0	0	0	0	0	0	0	0
Karnal	0	5	5	5	0	0	0	0	0
Kurukshetra	0	8	8	8	0	0	0	0	0
Nuh	0	10	10	5	5	0	0	0	0
Palwal	0	13	13	10	3	0	0	0	0
Panchkula	0	43	43	29	14	0	0	0	0
Panipat	3	47	50	42	4	2	0	2	4
Sonepat	0	255	255	201	54	0	0	0	0
Yamuna Nagar	0	47	47	37	10	0	0	0	0
<b>Total</b>	<b>3</b>	<b>1452</b>	<b>1455</b>	<b>1139</b>	<b>312</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>4</b>

### 11.2 Status of units registered for recycling/re-processing of Hazardous Waste

Region	Total no. of Authorized		Total Quantity
	Recycler	Utilizer	
Bahadurgarh	68	0	99348 MTA
Dharuhera	3	0	27697 MTA and 2199 KL/Annaum
Gurugram (N)	2	5	61900 MTA
Hisar	22	17	78806.1 MTA
Kaithal	12	17	29 MTA
Karnal	10	6	Recycler - 81448.65 MTA Utilizer - 9532.12 MTA
Panchkula	08	8	36058 MTA
Sonepat	18	0	121104 MTA
Yamuna Nagar	10	0	16150 MTA
Total	153	53	

### 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.

There are total 192 No. of units authorized as Traders for import of other 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 year 2019-20 at 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	464
Quantity of Hazardous Waste Received	For Landfill	14372
	For Incineration	15150.8
Quantity of Hazardous Waste Disposed	Quantity Land filled	14372
	Quantity Incinerated	0
Quantity in Stock at the end of the year	Landfillable	0
	Incinerable	1743.26
Cumulative HW disposed in SLF by the end of financial year	SLF	14371.98
	Incinerator	13872
Capacity	Incinerator (Kcal)	2.5million
	Incinerator (T/H)	0
	Landfill (MT/A)	5lacs MT

Annual Report under Hazardous Waste Management Rules

The Annual Report for the year 2019-20 under Hazardous Waste (M&TM) Rules, 2016 showing detail of Hazardous waste generated, recycled, utilized and disposed, is given as under:-

A1.

S. No.	Name of the District	Total Number of HW Generating Industry	Number of units possessing authorisation	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
					Landfillable	Incinerable	Recyclable	Utilization		Landfillable	Incinerable	Recyclable	Utilization	
1	Gurgaon (N)	602	602	602	1366.23	11827.37	2354.775	3651.44	19199.821	536.39	6675.51	1679.68	1559.56	10451.14
2	Nuh	53	53	53	2755.83	254.34	105.2	31900	35015.4	434.80	0	69.004	0	503.8101
3	Ferozabad	212	212	212	1475	708.23	41.13	0	2224.36	1030.66	648.27	22.16	0	1701.09
4	Ballaahgarh	745	745	745	3717.06	1175.27	642.69	0	5535.02	2975.764	1116.50	623.4104	0	4715.6830
5	Palwal	149	149	149	2408.09	2408.09	46.33	340.61	2748.706	2104.75	0	96.01	0	2200.76
6	Rewari	252	252	252	3713.5	6580	20131	550	30974.5	2651.15	2474.68	2780.9	531.32	8438.05
7	Mahendargarh	4	4	4	0	15	2201	0	2216	0	1.23	0.45	0	1.68
8	Panipat	368	368	368	4365.65	215	3251.73	0	7872.5876	3670.97	184	2490.444	0	6345.42
9	Sonapat	575	575	575	42328.36	21288.29	213534.75	0	2,77,151.40	3013.12	582.005	66848	0	70443.126
10	Jind	37	37	37	21.735	0	27821.14	36000	63842.875	20.17	0	20420	22400	42840.17
11	Kaithal	7	7	7	10.555	0	8700	1200	9910.555	8.944	0	5100	800	5908.944
12	Bhawan	44	44	44	67.48	5.6	2.053	53.2	128.33	45.43	2.47	2.04	0	49.94
13	CharkhiDadri	9	9	9	2.1	0	0.05	46	48.15	1.6	0	0.02	29.5	31.12

14	Jhajjar	211	211	211	432.98	243.4	73.28	0	749.5695	186.25	127.151	42.508	0	355.875
15	Rohtak	128	128	128	1377.06	1435.96	229.66	12	3054.68	1831.4	772.92	16.7185	11.75	2632.8245
16	Hisar	80	80	80	356.57	3	51732.302	34	52115.977	80.02	2.08	23331.02	0	23413.31
17	Fatehabad	13	13	13	27.43	0	7500	13540	21067.43	2.45	0	1814.55	0	1817
18	Sirsa	11	11	11	16.17	0.27	1000	0	1016.445	11.86	0.25	956.36	0	968.47
19	Gurugram (S)	782	782	782	6207.13	10034.08	64977	4858.77	86076.98	1334.38	7556.16	3213.83	3311.54	15415.92
20	Panchkula	122	122	122	306.39	102.4	558.47	0	967.261	65	2.3	265	0	353
21	Ambala	122	122	122	291.74	556.38	465.16	0	1313.281	247.31	403.37	407.75	0	1058.43
22	Kurukshetra	56	56	56	154.01	37.35	219.19	0	410.541	111.74	26.37	0	0	287.82
23	Yamuna nagar	161	161	161	219.48	53.22	355.5083	0	628.21665	219.48	53.22	355.5083	0	628.21665
24	Kamal	102	102	102	95.65	222.87	5.6592	0	324.1797	65.81	115.641	11.2923	0	192.75391
	Total	4845	4845	4845	71716.43	57166.14	405988.08	92176.0	624592.24	20649.49	20764.8	130546.7	28043.6	200754.55
								2			4		7	32

06/78

## **CHAPTER 12: E-WASTE RULES, 2016**

### 12.1 E-waste (Management) Rules, 2016

The E-waste (Management) Rules, 2016 have been notified by the Ministry of Environment, Forest & Climate Change, Govt. of India with the 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 in higher pollution and less recovery, thereby causing wastages of precious resources and damage to the environment.

**E-WASTE**



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 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
Ambala	0	3	0	693.663
Bahadurgarh	1	3	5000	17440
Ballabgarh	0	5	0	2137
Faridabad	1	1	570	2017
Gurugram (S)	3	8	219.729	485.428
Kurukshetra	0	1	0	531.50
Nuh	0	2	0	93
Palwal	0	0	0	0
Panchkula	0	1	0	3600
Panipat	4	3	0	0
Sonepat	3	4	10547.165	10037.5
<b>Total</b>	<b>12</b>	<b>31</b>	<b>16336.894</b>	<b>37035.091</b>

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

Number of authorized manufacturer, refurbisher, collection centre, dismantler and recycler for management of e-waste in the state under e-waste Rules, 2016	47
Categories of waste collected alongwith their quantities on a monthly average basis	Category-I 529.18 Mt/ Month Category-II 2057.1852 Mt/ Month
Quantity of CFL received at treatment, storage and disposal facility	51.5472 MT

**CHAPTER 13: BIO-MEDICAL  
WASTE RULES, 2016**

**Annual Report 2019-20****13.1 General**

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

**13.2 Status of Authorization under Bio Medical Waste Rules, 2016**

Region	Applications pending as on 31.03.2019	Applications received during 2019-20	Total Applications received	Decided		Pending			Total
				Granted	Refused	Under SCN	Not dealt	Pending for decision	
Ambala	0	155	155	155	0	0	0	0	0
Bahadurgarh	0	253	253	253	0	0	0	0	0
Ballabgarh	0	171	171	151	20	0	0	0	0
Bhiwani	0	209	209	201	8	0	0	0	0
Dharuhera	0	164	164	129	35	0	0	0	0
Faridabad	0	116	116	116	0	0	0	0	0
Gurugram (N)	0	693	693	653	40	0	0	0	0
Gurugram (S)	0	90	90	82	8	0	0	0	0
Hisar	0	423	423	415	8	0	0	0	0

## Annual Report 2019-20

Karnal	0	11	11	11	0	0	0	0	0
Kurukshetra	0	115	115	115	0	0	0	0	0
Nuh	0	1	1	1	0	0	0	0	0
Palwal	0	8	8	6	2	0	0	0	0
Panchkula	0	218	218	188	30	0	0	0	0
Panipat	2	76	78	66	12	0	0	0	0
Sonepat	0	173	173	159	14	0	0	0	0
Yamuna Nagar	0	198	198	166	32	0	0	0	0
<b>Total</b>	<b>2</b>	<b>3074</b>	<b>3076</b>	<b>2867</b>	<b>209</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### 13.3 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.	Manuti Bio-Medical Waste Plant VPO- Hetampura, Distt. Bhiwani	100
	4.	Divya Waste Management Co. Village Kandela Jind JIND	100
Yamuna Nagar	5.	M/s Esskay Hygienic Services located at VPO Bagwala Tehsil Barwal Distt. Panchkuka	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.	500

## Annual Report 2019-20

	Area, Hisar	
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	5526
I.	Bedded Hospital & Nursing Home (bedded)	2837
II.	Clinics, Dispensaries	1914
III.	Veterinary institutions	62
IV.	Animal Houses	18
V.	Pathology Laboratories	639
VI.	Blood Banks	20
VII.	Clinical Establishment	9
VIII.	Research institutions	14
IX.	AYUSH	13
2.	Total No. of Beds	54773
3.	Status of Authorization	
I.	Total No. of Occupiers applied for Authorization	5333
II.	Total No. of Occupiers Granted Authorization	5316
III.	Total No. of application under consideration	5
IV.	Total No. of application rejected	12
V.	Total No. of Occupiers in operation without applying for authorization	193
4.	Quantity of generation Bio Medical Waste Generation (in Kg/day)	14810
I.	Bio-medical waste generation by bedded hospital (in kg/day)	12133
II.	Bio-medical waste generation by non bedded hospital (in kg/day)	2204.636

## Annual Report 2019-20

Sr. no.	Particulars	Total
III.	Any other	30
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	--
ii.	Number of Common Bio Medical Waste Treatment Facility under construction	--
iii.	Total Bio-medical waste treated in kg/day	---
iv.	Total Bio-medical waste disposed through authorized recycler (in kg/day)	1559
6.	Total number of violation by	
i.	Healthcare Facilities (bedded and non bedded)	123
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	67
8.	Any other relevant information	
i.	Number of workshop/ trainings conducted during the year	43
ii.	Number of occupiers installed liquid waste treatment facility	302
iii.	Number of captive incinerators complying to the norms -	00
iv.	Number of occupiers organized trainings	222
v.	Number of occupiers constituted bio-medical waste management committees	242
vi.	Number of occupiers submitted Annual Report for the previous calendar year	4309
Vii.	Number of occupiers practicing pretreatment of lab micro biology and bio technology waste	771
viii.	Number of Common Bio Medical Waste Treatment Facility that have installed continuous Online Emission Monitoring System	11

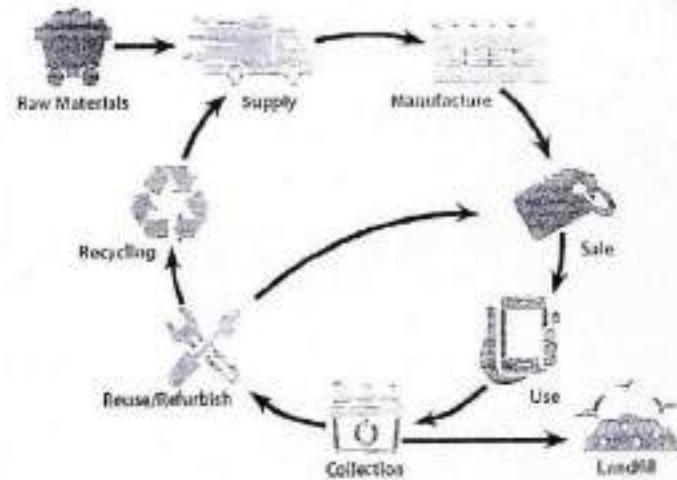
06/86

Annual Report 2019-20

**CHAPTER 14: BATTERIES RULES,  
2001**

### 14.1 General

Battery or accumulator, means any source of electrical energy generated by direct conversion of chemical energy and includes disposable primary (Alkaline/Mercury/Silver oxide/Zinc Carbon) batteries or rechargeable secondary (Lead Acid/Lithium Ion/Lithium Metal/Nickel Cadmium) batteries or any other



battery which is a source of electrical energy and contains (or may produce at end of its life) potassium hydroxide or sodium hydroxide or ammonium chloride or zinc chloride or sulfuric acid or pressurized sulfur dioxide gas or thionyl chloride or magnesium bromide or magnesium perchlorate or mercury or zinc or cadmium or nickel or lithium chloride or any other hazardous material as defined in Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. The Batteries (Management and Handling) Amendment Rules, 2001, 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 Registration under Batteries (M & H) Rules, 2001

1. Number of Manufacturer units	7
2. Number of Assembler units	16
3. Number of Importer units	1
4. Number of Bulk Consumer	27
5. Number of Recycler units	43



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

---

<b>Region</b>	<b>Number of Units registered</b>
Bahadurgarh	45
Dharuhera	18
Gurugram (N)	2
Karnal	36
Panchkula	7
Sonepat	19
Yamuna Nagar	6
<b>Total</b>	<b>133</b>

06/89

Annual Report 2019-20

**CHAPTER 15: PLASTIC  
WASTE RULES, 2016**

### 15.1 General

Plastic has multiple uses and their physical and chemical properties lead to commercial success. However, the indiscriminate disposal of plastic waste 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 \_\_\_\_\_. Therefore, to address the issue of scientific plastic waste management, the Plastic Waste (Management) Rules, 2016 were notified by the Ministry of Environment, Forest & Climate Change, Govt. of India, which includes 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	190163.9
2	No. of Plastic manufacturing units (including multilayer, compostable plastic units).	Plastic unit- 63 (including 46 recycling unit) Compostable plastic unit- 1 Multilayered plastic unit- 28
3	Separate Act/Notification issued, if any for management of plastic waste in the state	20 August, 2013 by ULBD.
4	No. of violations and action action taken on non-compliance of provisions ofPWM Rules, 2016 as amended (Rule 12)	5987 challans done for amount of Rs. 12770305/-

## **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	CM Window	Other online portals	Total	Hard copy	CM Window	Other online portals	Total	Hard copy	CM Window	Other online portals	Total
Ambala	5	7	2	14	5	7	2	14	0	0	0	0
Behadurgarh	23	42	84	149	23	42	84	149	0	0	0	0
Ballsbgarh	0	16	91	107	0	16	91	107	0	0	0	0
Bhiwani	5	49	0	54	5	49	0	54	0	0	0	0
Dharuhera	0	31	14	45	0	31	14	45	0	0	0	0
Fardabad	40	19	502	561	40	19	502	561	0	0	0	0
Gunugram (N)	4	4	7	15	4	4	7	15	0	0	0	0
Gunugram (S)	39	27	150	216	39	27	150	216	0	0	0	0
Hissar	36	0	68	104	36	0	68	104	0	0	0	0
Kamal	11	49	0	60	11	49	0	60	0	0	0	0
Kurukshetra	2	5	0	7	2	5	0	7	0	0	0	0
Nuh	0	4	0	4	0	4	0	4	0	0	0	0
Pahwal	0	2	0	2	0	2	0	2	0	0	0	0
Panchkula	0	14	5	19	0	13	5	18	0	1	0	1
Panipat	0	47	0	47	0	47	0	47	0	0	0	0
Sonepat	10	21	109	140	10	21	109	140	0	0	0	0
Yamuna Nagar	3	113	21	137	3	113	21	137	0	0	0	0
<b>Total</b>	<b>178</b>	<b>450</b>	<b>1053</b>	<b>1681</b>	<b>178</b>	<b>449</b>	<b>1053</b>	<b>1680</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>

06/93

**CHAPTER 17: PUBLIC HEARING  
UNDER EIA NOTIFICATION**

### 17.1 General

Public hearings are held as part of the public inquiry process required under the 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. Persons 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 case of Environmental Clearance to the project proponent under EIA Notification dated 14.09.2006.

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

### 17.2 Details of the Public Hearings organized by the Board

Name of the Region	Number of projects where public Hearing organized
Bahadurgarh	1
Dharuhera	1
Gurugram (S)	1
Hisar	1
Karnal	1
Kurukshetra	1
Panchkula	1
Panipat	4
Sonepat	1
<b>Total</b>	<b>12</b>

06/95

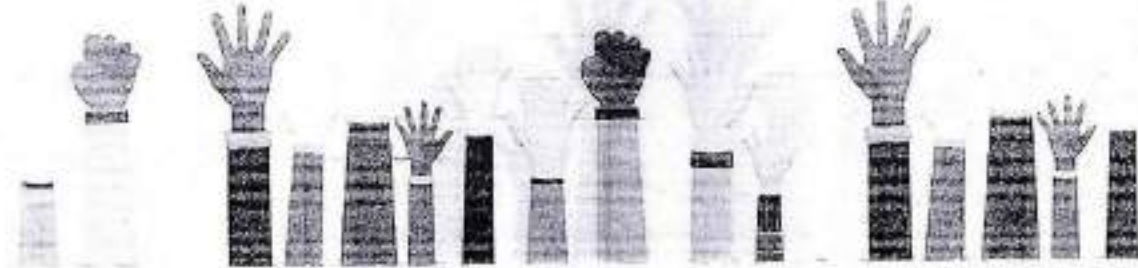
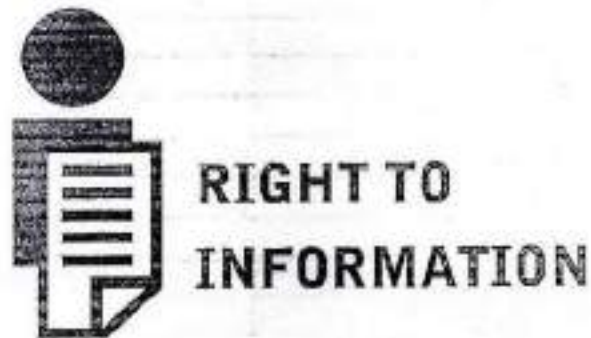
Annual Report 2019-20

## **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 ascertain 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](http://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		
Ambala	10	10	0	0	0
Bahadurgarh	125	125	0	100	0
Ballabgarh	76	76	0	220	220
Bhiwani	45	45	0	740	50
Dharuhera	81	81	0	1180	150

**Annual Report 2019-20**

Faridabad	72	72	0	510	0
Gurugram (N)	37	37	0	370	100
Gurugram (S)	114	111	0	480	0
Hisar	83	82	1	0	0
Karnal	12	12	0	300	0
Kurukshetra	10	10	0	0	0
Nuh	9	9	0	0	0
Palwal	9	9	0	0	0
Panchkula	88	88	0	80	2390
Panipat	88	88	0	510	370
Sonepat	72	72	0	240	730
Yamuna Nagar	109	109	0	2170	0
<b>Total</b>	<b>1040</b>	<b>1036</b>	<b>1</b>	<b>2920</b>	<b>1100</b>

**b) By Head Office of the Board**

Total 317 applications under Right to information Act, 2005 were received in Head Office during the year 2019-20 and 317 applications were disposed off upto 31.03.2019 during the year 2019-20. ₹10,199/- was collected as fee for RTI applications, whereas ₹3,653/- was collected on account of charges for providing additional documents to the applicants.

06/98

Annual Report 2019-20

## **CHAPTER 19: INCOME & EXPENDITURE STATEMENT**

**19.1 Detail of Actual Receipts for the Financial Year 2019-20****Detail of Actual Receipts & Expenditure for the Financial year:-2019-20**

Sr. No.	Head of Accounts	Actual Receipt (01.4.2019 to 31.3.2020)
1	2	3
	<b><u>RECEIPTS/INCOME</u></b>	(Rs. In Lakh)
1	Samples Testing Fee	111.95
2	Consent Fee (Water)	1529.18
3	Consent Fee (Air)	1788.58
4	NOC Fees	480.70
5	Public Hearing	9.30
6	<b>Misc Receipts</b>	
	i) Forfeiture of performance security	25.93
7	Authorization fee/Recognition fee/Appeal fee/Right to Information fee/Misc. receipt	31.47
8	CessReceipts (from G.O.I)	260.00
9	Interest on deposits	3846.66
10	Refund from Income Tax Department	0.00
11	Grant-in-Aid from Central Pollution Control Board/NAMP/State	0.00
	<b>TOTAL</b>	<b>8083.77</b>

**19.2 Detail of Actual Receipts for the Financial Year 2019-20****Detail of Actual Receipts & Expenditure for the Financial year:-2019-20**

Sr. No.	Head of Account	Actual Expenditure (01.4.2019 to 31.3.2020)
1	2	3
	<b>Expenditure</b>	<b>(In Lakh)</b>
(A)	<b><u>SALARIES</u></b>	-
1	<u>Pay and Allowances</u>	2983.02
	(i) Technical/Scientific Staff & Ministerial Staff	
2	<u>Medical Expenses</u>	24.26
	(i) Technical/Scientific Staff & Ministerial Staff	
3	<u>Travelling Allowance</u>	26.60
	(i) Technical/Scientific Staff & Ministerial Staff	
	<b>Sub Total =</b>	<b>3033.88</b>
(B)	<b><u>OFFICE EXPENSES</u></b>	-
1	Office Expenses	723.08
2	Legal Expenses	52.88
3	Furniture and fixture	52.83
4	Machinery and Equipments	5.12
5	Computerisation of Office	19.73
6	Purchase of Vehicles	0.00
7	Income Tax	900.00
(C)	<b>Strengthening of existing laboratory and setting up of additional laboratory/Library Books</b>	0.00
	i) Purchase of CAAQMS	50.00
(D)	<b>Equipment for Ambient Air Monitoring &amp; stack monitoring Kit</b>	0.00

06/101

Annual Report 2019-20

(E)	Development /Extension Activities (advertisement publicity on environment awareness, research & development, Seminar training)	106.46
(F)	Financial Assistance for Environmental Improvement Projects.	0.00
(G)	Construction of Building/	1264.91
(H)	Eco Clubs/Env. Awareness	
	I. Govt. of India/State govt.	
	II. HSPCB	0.00
	Sub Total =	3185.01
(I)	Loans and Advances to Staff	0.90
	Sub Total =	0.90
(J)	C.M Relief Fund(Donation)	50.00
	Grand Total	
	(A+B+C+D+E+F+G+H+I+J)	6269.79

06/102

**Annual Report 2019-20**



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

**WEBSITE: [hspcb.gov.in](http://hspcb.gov.in)**