HARYANA STATE POLLUTION CONTROL BOARD

MINUTES

Of the

195th meeting of the Board

held on 14-03-2023 at 11:00 AM

PANCHKULA

HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR 6, PANCHKULA.
Ph. No. 0172-2577870-873

No. HSPCB/Estt./2023/911-919 Dated: 16-3-2023

To

1. Sh. P. Raghavendra Rao,
   Chairman, Haryana State Pollution Control Board,
   C-11, Sector-06, Panchkula.
2. The Additional Chief Secretary to Govt. Haryana,
   Environment and Climate Change Department.
3. The Additional Chief Secretary to Govt. Haryana,
   Town & Country Planning and Urban Estates Department.
4. The Additional Chief Secretary to Govt. Haryana,
   Urban Local Bodies Department.
5. The Addl. chief secy. to Govt. Haryana,
   Industries and Commerce Department..
6. The Principal Secretary to Govt. Haryana,
   Transport Department.
7. The Managing Director,
   Haryana Power Generation Corporation, Panchkula.
8. The Managing Director,
   Haryana Forests Development Corporation, Panchkula.
9. Sh. Pardeep Kumar, IAS
   Member Secretary,
   Haryana State Pollution Control Board, Panchkula.

Subject:- Minutes of 195th meeting of the Haryana State Pollution Control Board held on 14.03.2023 at 11.00 AM in the Conference Room of HSPCB, Sector-06, Panchkula.

Kindly refer to this office letter No. HSPCB/Estt./2023/791-799 dated 07.03.2023 on the subject cited above.

Please find enclosed herewith the minutes of the 195th meeting of Haryana State Pollution Control Board held under the Chairmanship of Sh. P. Raghavendra Rao, Chairman of the Board held on 14.03.2023 at 11.00 AM in the Conference Room of HSPCB, Sector-06, Panchkula.

DA/As Above

Member Secretary

Endst. No. HSPCB/Estt./2023/920 **Dated:-16-3-2023**

A copy of above is forwarded to Sh. Manoj Khatri, HCS, Joint Secretary to Government Haryana, Finance Department for information and necessary action.

DA/As Above

Member Secretary

Minutes of the 195th meeting of the Haryana State Pollution Control Board, Panchkula, held at 11.00 AM on 14.03.2023 under the Chairmanship of Sh. P. Raghavendra Rao, Chairman, Haryana State Pollution Control Board, Panchkula.

The 195th meeting of the Haryana State Pollution Control Board was convened at 11.00 AM on 14.03.2023 under the Chairmanship of Sh. P. Raghavendra Rao, Chairman, HSPCB. The list of participants is at **Annexure-I**.

Leave of absence was granted to Sh. Anand Mohan Sharan, IAS, Additional Chief Secretary to Government Haryana, Industries & Commerce Department and Sh. Vineet Garg, IFS, Managing Director, Haryana Forest Development Corporation.

Member Secretary, HSPCB presented the agenda items before the Board. Detailed discussions were held on the agenda items and the following decisions were taken:

Agenda Item No. 195.01 **Confirmation of the Minutes of 194th meeting of the Haryana State Pollution Control Board.**

Minutes of 194th meeting were confirmed.

Agenda Item No. 195.02 **Action taken on the minutes of the 194th meeting of the Haryana State Pollution Control Board held on 15.12.2022.**

Action taken on the decisions taken in the 194th meeting of the Board was noted.

Agenda Item No. 195.03 **Amendment in Haryana State Pollution Control Board (Group A, B, C and D) Service Regulations, 2021.**

The Agenda Note was withdrawn.

Agenda Item No. 195.04 **Procedure for authorization under Solid Waste (Management and Handling) Rules, 2016 --- reg Ex-post Facto approval.**

While granting ex-post facto approval to the procedure adopted, the Board suggested to explore the possibility of creating a Common Application Form for CTE/CTO and Authorization, keeping in view the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981 and the Hazardous Waste Management Rules, 2016.

Agenda Item No. 195.05 — **Procedure for authorization under Construction & Demolition Waste Management Rules, 2016 --- reg Ex-post Facto approval.**

While granting ex-post facto approval to the procedure adopted, the Board suggested to explore the possibility of creating a Common Application Form for CTE/CTO and Authorization, keeping in view the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981 and the Hazardous Waste Management Rules, 2016.

Agenda Item No. 195.06 — **Budget Estimate of Haryana State Pollution Control Board For the Financial year 2023-2024**

The Agenda Note was approved.

Agenda Item No. 195.07 — **Fixing of effluent discharge standards at outlet of Sewerage Treatment Plants (S.T.Ps) in Haryana- reg. Ex-post Facto approval**

While granting ex-post facto approval to the proposal, the Board decided that if any existing STP which is not designed for the prescribed parameters, makes a request for grant of additional reasonable time for ensuring compliance of the revised norms, alongwith full justification and a time bound action plan, then the same will be considered on merit by the Chairman, HSPCB.

Supplementary Agenda Item No. 195.08 — **Annual Report of the Haryana State Pollution Control Board for the year 2021-2022**

The Agenda Note was approved.

Supplementary Agenda Item No. 195.09 — **Fixing of discharge standards for Industries at Inlet of Common Effluent Treatment Plants (CETPs) in Haryana**

The Agenda Note was deferred. It was advised to seek comments of the HSIIDC in this regard.

The meeting ended with vote of thanks to the Chair and all the participants.

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ANNEXURE-I

LIST OF PARTICIPANTS

1. Sh. P. Raghavendra Rao
   Chairman, Haryana State Pollution Control Board,
   C-11, Sector-6, Panchkula.

2. Sh. Vineet Garg, IAS
   Additional Chief Secretary to Govt. Haryana
   Environment & Climate Change and Forest
   Department

3. Sh. Mohammad Shayin, IAS
   Managing Director,
   Haryana Power Generation Corporation
   Limited, Panchkula

4. Sh. Navdeep Singh, IPS **Through VC**
   Principal Secretary to Government Haryana,
   Transport Department.

5. Sh. Pardeep Kumar, IAS,
   Member Secretary,
   Haryana State Pollution Control Board, Panchkula.

Nominee of Finance Department

1. Sh. Manoj Khatri, HCS
   Joint Secretary, Finance, Haryana

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Supplementary Agenda
Item No. 195.08

Annual Report of the Haryana State Pollution Control Board for the year 2021-22

There is provision in section 39 (2) of Water Act, 1974 that 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 forwarded to State Government. The Government shall laid down such report before State Legislature. There is corresponding provisions in section 35 (2) of Air Act, 1981.

The Government of Haryana vide notification No. GSR-125/C.A.6/74/S.64/78 dated 22.12.1978 has issued Haryana (Prevention and Control of Water Pollution) Rules, 1978 (as amended). As per Rule 31, Form 'G' of Annual Report has been prescribed in terms of Section 39 of 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 has issued Haryana Air (Prevention and Control of Pollution) Rules, 1983 (as amended). As per Rule 27, Form XI of Annual Report has been prescribed in terms of Section 35 of Air Act, 1981.

The contents of Form 'G' of Annual Report prescribed under Haryana (Prevention and Control of Water Pollution) Rules, 1978 and Form XI of Annual Report prescribed under 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 of the Annual Report, information for Annual Report for the period 01.04.2021 to 31.03.2022 was sought from all Branch Incharges in Head office and all Regional Officers in field and Lab Incharges of HSPCB.

Accordingly, Annual Report of the Haryana State Pollution Control Board for the period 01.04.2021 to 31.03.2022 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 period 01.04.2021 to 31.03.2022 and accord the approval for the same, so that same may be submitted to the Government for placing before State Legislature.

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08/2 Annexure-1

Form 'G'
[See rule 31]
Haryana State Board for the Prevention and Control of Water Pollution

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.

08/03 Annexure-II

ANNUAL REPORT
2021-22

Haryana State Pollution Control Board

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

TABLE OF CONTENTS

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. The Haryana State Pollution Control Board was constituted under the 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:

- Implementation of the consent management under the Water Act, 1974 & the Air Act, 1981; and 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, Biomedical, Hazardous, E-waste, C&D & Plastic Waste Management Rules.
- Implementation of Aravali Notification dated 07.05.1992 issued by the MoEF&CC, Govt. of India.
- Implementation of the 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 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 Air (Prevention and Control of Pollution) Act, 1981 and Rules made there under.
3. The Environment (Protection) Act, 1986 and the following Rules and notifications made there under:

(i) The Hazardous Wastes (Management and Trans boundary 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 the 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 the MoEF&CC under EPA, 1986 restricting certain activities in specified area of Aravali Range

1.2 Vision & Aim of HSPCB

- Besides fulfilling the above mandate, the vision & aim of the HSPCB is to bring about a gradual and consistent reduction in the levels of pollution (Air & Water) through strict monitoring, inspections, authorizations & legal interventions.
- HSPCB is committed to achieve a reduction in the levels of pollution (Air & Water) through comprehensive plans (National and State level interventions).

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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 territory. As per the said provisions of the Act, the Board comprises of a Chairman, a Member Secretary and fifteen other members nominated by the State Government. The members of the Board include the representative of the government, local authorities and state - controlled corporations and also persons representing the interests of agriculture, fisheries, industry or trade.

Chairperson of the Board during the year 2021-22:

- **Smt. Deepti Umashankar, IAS**
- **(Additional Charge)**
- (24.12.2020 to 30.05.2021)

- **Dr. Sumita Misra, IAS**
- **(Additional Charge)**
- (02.08.2021 to 29.11.2021)

- **Sh. P. Raghavendra Rao, IAS (Retd.)**
- (30.11.2021 onwards)

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2.2 Members of the Board

The Government of Haryana vide order Endst. No. 2/22/2008-1Env. Dated 12.01.2022 constituted Haryana State Pollution Control Board with the official Members, as under:

Chairman

OFFICIAL MEMBERS

1. Additional Chief Secretary to Govt. Haryana, Environment and Climate Change Department
2. Additional Chief Secretary to Govt. Haryana Town and Country Planning and Urban Estates Department
3. Principal Secretary to Govt. Haryana, Urban Local Bodies Department
4. Principal Secretary to Govt. Haryana, Industries and Commerce Department,
5. Principal Secretary to Govt. Haryana, Transport Department

MEMBERS FROM CORPORATION AND COMPANIES

6. Managing Director, Haryana Power Generation Limited
7. Managing Director, Haryana Forest Development Corporation

Member Secretary, Haryana State Pollution Control Board

2.3 Details of Board Meetings held:

Sr. no.	Board's Meeting	Held on
1	190th	02.02.2022

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2.4 Staff Strength of HSPCB (as on 31.03.2022)

Sr. No.	Name of the Post	Sanctioned Strength	Filled up	Vacant	Remarks
Group A					
1	Chairman	01	01	-	
2	Member Secretary	01	01	-	
3	Sr. Environmental Engineer	06	06	00	
4	Sr. Scientist	09	00	09	
5	Environmental Engineer	33	17	16	
6	Scientist 'C'	10	01	09	
7	District Attorney	01	01	-	On deputation from Administration of Justice Department, government of Haryana.
8	Development Team Leader	01	-	01	
Group B					
1	Sr. Accounts Officer	01	01	-	On deputation from Finance Department, Government of Haryana
2	Accounts Officer	01	-	01	
3	Administrative Officer	01	01		
4	Law Officer	01	-	01	on deputation from Administration of Justice Department, government of Haryana
5	Asstt. Distt. Attorney	03	02	01-	on deputation from Administration of Justice Department, government of

Sr. No.	Name of the Post	Sanctioned Strength	Filled up	Vacant	Remarks
					Haryana
6	Scientist 'B'	40	13	27	Requisition of 5+11 posts Sent to ACS (ENV.)
7	Asstt. Environmental Engineer	92	36 (6 on deputation)	56	6 AEEs i.e. 3 AEEs on deputation from Irrigation & Water Resources Deptt, Hr., PKL, 2 AEEs from Technical Education Department, Haryana, Panchkula and 1 AEE on deputation from ULBD, Haryana. ; Requisition for filling up 15 posts of AEEs sent to ACS (Env.), but some observations raised by the HPSC
8	Software Developer	01	-	01	
9	Tehsildar	01	-	01	
10	Superintendent	04	04	00	
11	Private Secretary	02	01	01	
Group C					
1	Section Officer (Accounts)	01	0	01	
2	Jr. Software Developer	01	-	01	
3	Deputy Superintendent	04	02	02	
4	Statistical Assistent	01	-	01	Requisition of one post sent to HSSC vide no. 2934 dated 18.8.21
5	Sr. Scientific Assistant	07	-	07	Requisition of

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Sr. No.	Name of the Post	Sanctioned Strength	Filled up	Vacant	Remarks
					one post sent to HSSC vide no. 2934 dated 18.8.21
6	Jr. Scientific Assistant	10	-	10	Requisition of one post sent to HSSC vide no. 2934 dated 18.8.21
7	Personal Assistant	01	00	01	
8	Jr. Environmental Engineer	25	01	24	Requisition of 24 posts sent to HSSC vide no. 2931 dated 18.8.21
9	Sr. Scale Stenographer	04	-	04	
10	Assistant	46	10	36	
11	Accountant	04	-	04	Requisition of 2 posts sent to HSSC vide no. 2937 dated 18.8.21
13	Junior Scale Stenographer	03	-	03	Requisition of one post sent to HSSC vide no. 2962 dated 18.8.21
14	Accounts Clerk	02	-	02	
15	Steno-Typist	08	01	07	Requisition of 5 posts sent to HSSC vide no. 2963 dated 18.8.21
16	Clerk	46	10	36	
17	Driver	17	08	09	
18	Lab Attendant	10	02	08	Requisition of 2 posts sent to HSSC vide no. 2937 dated 18.8.21
Group D					
1	Daftri	01	0	01	

Sr. No.	Name of the Post	Sanctioned Strength	Filled up	Vacant	Remarks
2	Senior Peon	02	00	02	
3	Peon	51	20	10	Requisition of 7 posts sent to HSSC vide no. 717 dated 11.2.22 (2 posts kept vacant as they had not joined duty as recommended by HSSC and replacement of other candidates is under consideration).
4	Mali-cum-Chowkidar	02	02	-	
5	Field Attendant	22	06	04	Requisition of 3 posts sent to HSSC vide no. 716 dated 11.2.22
6	Sweeper	01	01	--	
Total		483 **(33 posts outsourced) Total=450)**	152	298	

CHAPTER 3: ACTIVITIES & INFRASTRUCTURE

3.1 Mandated activities of the Board

Section 17 of the Water (Prevention and Control of Pollution) Act, 1974 and Section17 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 programmer 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 Pollution Control Board in organizing training of persons engaged or to be engaged in programs relating to prevention, control or abatement of water and air pollution and to organize mass education programs relating thereto;
- To inspect sewage or trade effluent treatment works and plants installed for the treatment of sewage and trade effluents and to review plans, specifications or other data relating to plants set up for the treatment of water, works for the purification thereof and the system for the disposal of sewage or trade effluents or in connection with the grant of any consent as required by the Water Act & Air Act, or in connection with the grant of any Authorization or registration as required by the Environment (Protection) Act, 1986 and Rules made there under;
- To inspect, at all reasonable times, any control equipment, industrial plant or manufacturing process and to give, by order, such directions, to such persons as it may consider necessary to take steps for the prevention, control or abatement of air pollution;
- To inspect air pollution control area at such intervals as it may think necessary, assess the quality of air there in and take steps for the prevention, control or abatement of air pollution in such areas;

- To lay down, modify or annual effluent standards for sewage and trade effluents and for the quality of receiving waters (not being water in an inter-state stream) resulting from discharge of effluents and to classify waters of the state;
- To lay down, in consultation with the Central Board and having regard to the standards for the quality of air laid down by the Central Board, standards for emission of air pollutants in the atmosphere from industrial plant and automobiles or for the discharge of any air pollutant into the atmosphere from any other source whatsoever not being a ship or an aircraft;
- To evolve economical and reliable methods of treatment of sewage and trade effluents having regard to the peculiar conditions of soils, climate and water resources of different regions and more specifically the prevailing flow characteristics of water in streams and wells which render it impossible to attain even the minimum degree of dilution;
- To evolve methods of utilization of sewage and suitable trade effluents in agriculture or other utilities;
- To evolve efficient methods of disposal of sewage and trade effluent on land, as are necessary on account of the predominant conditions of scant stream flows that do not provide for major part of the year the minimum degree of dilution;
- To lay down standards of treatment of sewage and trade effluents to be discharged in any particular stream by taking into account the minimum fair weather dilution available in that stream and the tolerance limits of pollution permissible in the water of the stream, after the discharge of such effluents;
- To make, vary or revoke any order for prevention, control or abatement of discharge of waste into streams or wells and requiring any person concerned to construct new systems for the disposal of sewage and trade effluents or to modify, alter or extend any such existing system or to adopt such remedial measures as are necessary to prevent control or abate water pollution;
- To lay down effluent standards to be complied with by persons while causing discharge of sewage or sullage or both, and to lay down, modify or annual effluent standards for the sewage and trade effluent;

- To advice the State Government with respect to the suitability of the any premises or location of any industry, which is likely to cause air pollution or likely to pollute a stream or well;
- To perform such other functions as may be prescribed or as may, from time to time, be entrusted to it by the Central Board or the State Government; and
- To do such other things and to perform such other acts as it may think necessary for the proper discharge of its functions and generally for the purpose of carrying into effect the purpose of the Air Act.

Although the Board's primary responsibility is to implement the environmental regulations within the state of Haryana; but during the last decade, there has been a paradigm shift in the concept of implementing environmental regulations with a judicious mix of command and control regime with economic instruments for controlling pollution, as also, solving various long standing environmental issues through consensus where the Board went beyond its mandated activities and acted as a promoter, providing assistance for controlling pollution in Government Department's projects.

3.2 Infrastructure of the Board

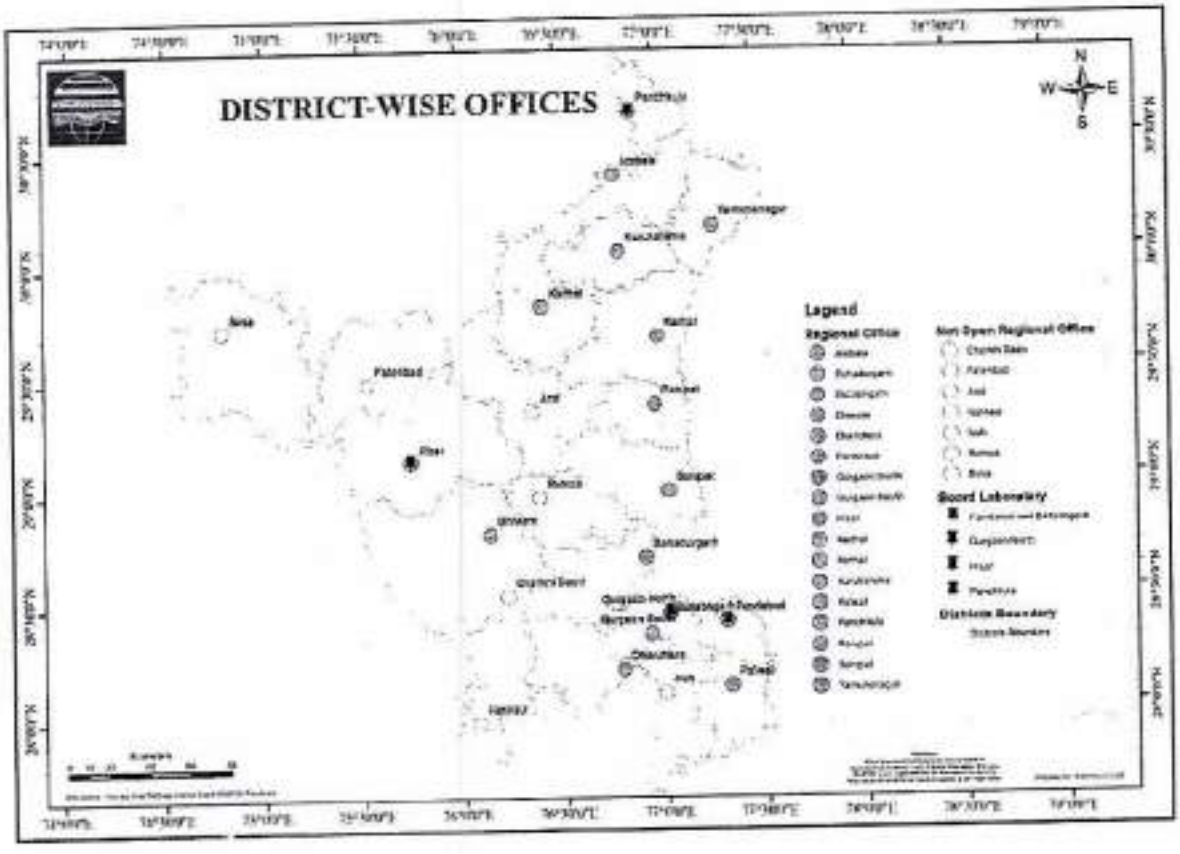
The Board is headed by a Chairman with its head quarters at Panchkula. There are 18 Regional offices of the Board in the State, located at Ambala, Ballabgarh, Bhiwani, Bahadurgarh, Dharuhera, Faridabad, Gurugram (South) at Manesar, Gurugram (North) at Gurugram, Hisar, Karnal, Kaithal, Kurukshetra, Nuh, Panipat, Panchkula, Palwal, Sonepat and Yamuna Nagar.

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

Sr. no.	Name of Region	Name of Sub-Region	Area of Jurisdiction
1.	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 i.e. Marhanwala, Kalka, Barwala, Raipur Rani etc.
2.	Rohtak	Rohtak	District Rohtak
3.	Bhiwani	Sub Region-1	(left side of Rohtak to Loharu Road via Charkhi Dadri)
4.	Charkhi Dadri	Sub Region-2	Right side of Rohtak to Loharu Road via Charkhi Dadri.
5.	Kaithal	Kaithal City, Guhla, Kalayat Pundri & Rajound	District Kaithal
6.	Jind	Jind City & Julana, Narwana, Uchana, Safidon	District Jind
7.	Ballabgarh	Sub Region-1	Eastern side of Mathura Road, except Sector -6.
		Sub Region-2	Sector-24, 25 & NIT.
		Sub Region-3	Western Side of Mathura Road
8.	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)
9.	Nuh	Sub Region-1	(Nuh and Tauru)
		Sub Region-2	(Ferozepur Jhirka and Punhana)
10.	Ambala	-	Ambala City Ambala Cantt. Naraingarh Barara

11.	Karnal	Sub Region-1	Tehsil Karnal
		Sub Region-2	Tehsil Gharaunda
		Sub Region-3	Tehsil Assandh, Nissing & Nilokheri
		Sub Region-4	Tehsil Taraori & Indri
12.	Kurukshetra	Pehowa, Thanesar, Shahabad, Ladwa.	District Kurukshetra
13.	Gurugram (North)	Udyog Vihar Old Gurugram New Gurugram	Alwar- Sohna Road to Farrukh Nagar-Jhajjar Road via Subhash Chowk, Hero Chowk and Basai Village- Right side of the road.
14.	Yamuna Nagar	Sub Region-1	Jagadhri
		Sub Region-2	Yamuna Nagar
		Sub Region-3	Outer Jagadhri & Yamuna Nagar
15.	Faridabad	1. NIT 2. Sector-27, Faridabad 3. DLF, Phase-1, Faridabad 4. DLF, Phase-II, Faridabad	Delhi Border to Bata Mor industries along with Mathura Road, DLF, Sector-27-A, B, C & D, Stone crushers of Mohabatabad and Pali Zone, Dhauj Crushing Zone and Mines.
16.	Bahadurgarh	Sub Region-1	Bahadurgarh
		Sub Region-2	Jhajjar
17.	Gurugram (South)	1. IMT Manesar-A 2. IMT Manesar-B 3. Beharampur 4. Sector-37, Gururam	Alwar- Sohna Road to (South Farrukh Nagar- Jhajjar Road via Subhash Chowk, Hero Chowk and Basai Village Left side of the road.
18.	Sonipat	1. Barhi 2. Kundli 3. Rai 4. Sonipat	District Sonepat
19.	Panipat	1. Sector-29, Panipat 2. Model Town Panipat 3. Samalkha	District Panipat
20.	Hisar	Sub Region-1	Hisar
		Sub Region-2	Fatehabad
		Sub Region-3	Sirsa
21.	Dharuhera	Sub Region-1	Rewari & Dharuhera
		Sub Region-2	Bawal
22.	Mahendergarh	-	Mahendergarh

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 sub wings are headed by Senior Environmental Engineers and are 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, looks after the Board's four Laboratories and are also involved in various environmental monitoring projects as well as in the implementation of various environmental statues. The Legal wing, headed by the District Attorney, is looking after the legal aspects and representing the Board at different Courts of law. The Administrative wing is managing the administrative and personnel matters of the Board. The Accounts wing manages the accounts and finance related matters of the Board.

CHAPTER 4: MEASURES FOR ABATEMENT OF POLLUTION

4.1 Action against Defaulting Units

Closure Action

The Board is taking closure action under section 33-A of 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 units which are not meeting the standards prescribed under the EPA Rules, 1986 for 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 Orders (as on 31.03.2022) 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	4	0	0	12	16
Bahadurgarh	0	0	2	34	36
Ballabgarh	0	73	7	3	83
Bhiwani	0	0	16	6	22
Dharuhera	0	0	0	2	2
Mahendergarh	0	0	0	0	0
Faridabad	0	0	0	58	58
Gurugram (N)	0	2	0	11	13
Gurugram (S)	0	23	0	0	23
Hisar	0	0	7	61	68
Kaithal	4	0	6	18	28
Karnal	5	2	5	6	18
Kurukshetra	0	0	0	6	6
Nuh	0	0	20	4	24
Palwal	0	0	9	9	18
Panchkula	5	0	2	15	22

Panipat	0	0	2	36	38
Sonepat	0	0	0	69	69
Yamuna Nagar	2	1	16	52	71
Total	**20**	**101**	**92**	**402**	**615**

Legal Action

The Board is the 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 cases in the Special Environment Courts.

i. Detail of Prosecution Cases (filed, pending & decided as on 31.03.2022) in Special Environment Court

Under EP Act

Region	No. of prosecution pending on 31.03.2021 under EP Act	No. of prosecution filed during 2021-22 under EP Act	No. of prosecution decided		No. of pending prosecution as on 31.03.2022	Reason for decision against Board		
			In favor of Board	Against Board		Dismissed in default	Expiry of accused	Any other
Ambala	3	0	0	0	3	0	0	0
Bahadurgarh	0	0	0	0	0	0	0	0
Ballabgarh	0	0	0	0	0	0	0	0
Bhiwani	1	0	0	0	1	0	0	0
Dharuhera	3	0	0	0	3	0	0	0
Mahendergarh	0	0	0	0	0	0	0	0
Faridabad	5	0	0	0	5	0	0	0
Gurugram (N)	45	2	31	0	16	0	0	0
Gurugram (S)	116	0	0	53	63	0	3	50
Hisar	2	0	0	0	2	0	0	0
Kaithal	0	0	0	0	0	0	0	0
Karnal	2	5	1	0	6	0	0	0
Kurukshetra	1	0	1	0	0	0	0	0
Nuh	0	0	0	0	0	0	0	0
Palwal	0	0	0	0	0	0	0	0
Panchkula	4	3	0	0	7	0	0	0
Panipat	0	0	0	0	0	0	0	0

Sonepat	6	0	0	0	6	0	0	0
Yamuna Nagar	1	0	0	0	1	0	0	0
Total	**189**	**10**	**33**	**53**	**113**	**0**	**3**	**50**

Under the Water Act

Region	No. of prosecution pending on 30.03.2021 under Water Act	No. of prosecution filed during 2021-22 under Water Act	No. of prosecution decided		No. of pending prosecution as on 31.03.2022	Reason for decision against Board		
			In favor of Board	Against Board		Dismissed in default	Expiry of accused	Any other
Ambala	38	0	0	0	38	0	0	0
Bahadurgarh	1	0	0	0	1	0	0	0
Ballabgarh	24	4	0	0	28	0	0	0
Bhiwani	0	2	0	0	2	0	0	0
Dharuhera	2	0	0	0	2	0	0	0
Mahendergarh	0	0	0	0	0	0	0	0
Faridabad	23	3	0	0	26	0	0	0
Gurugram (N)	6	1	0	0	7	0	0	0
Gurugram (S)	3	0	0	0	3	0	0	0
Hisar	2	0	0	0	2	0	0	0
Kaithal	0	5	0	2	3	0	0	2
Karnal	6	0	0	0	6	0	0	0
Kurukshetra	5	0	0	0	5	0	0	0
Nuh	0	0	0	0	0	0	0	0
Palwal	0	0	0	0	0	0	0	0
Panchkula	19	8	0	5	22	0	0	5
Panipat	20	1	0	0	21	0	0	0
Sonepat	1	0	0	1	0	0	0	1
Yamuna Nagar	2	0	0	0	2	0	0	0
Total	**152**	**24**	**0**	**8**	**168**	**0**	**0**	**8**

Under the Air Act

Region	No. of prosecution pending on 30.03.2021 under Air Act	No. of prosecution filed during 2021-22 under Air Act	No. of prosecution decided		No. of pending prosecution as on 31.03.2022	Reason for decision against Board		
			In favor of Board	Against Board		Dismissed in default	Expiry of accused	Any other
Ambala	0	0	0	0	0	0	0	0
Bahadurgarh	1	0	0	0	1	0	0	0
Ballabgarh	4	0	0	0	4	0	0	0
Bhiwani	2	6	0	0	8	0	0	0
Dharuhera	0	0	0	0	0	0	0	0
Mahendergarh	7	0	0	0	7	0	0	0
Faridabad	2	0	1	0	1	0	0	0
Gurugram (N)	0	0	0	0	0	0	0	0
Gurugram (S)	1	0	0	0	1	0	0	0
Hisar	5	0	4	0	1	0	0	0
Kaithal	0	1	0	0	1	0	0	0
Karnal	3	1	0	0	4	0	0	0
Kurukshetra	0	0	0	0	0	0	0	0
Nuh	0	0	0	0	0	0	0	0
Palwal	0	0	0	0	0	0	0	0
Panchkula	2	1	0	0	3	0	0	0
Panipat	5	0	0	0	5	0	0	0
Sonepat	1	0	0	0	1	0	0	0
Yamuna Nagar	5	0	0	0	6	0	0	0
Total	**39**	**9**	**5**	**0**	**43**	**0**	**0**	**0**

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Under the Water & Air Act

Region	No. of prosecution pending on 30.03.2021 under Water & Air Act	No. of prosecution filed during 2021-22 under Water & Air Act	No. of prosecution decided		No. of pending prosecution as on 31.03.2022	Reason for decision against Board		
			In favor of Board	Against Board		Dismissed in default	Expiry of accused	Any other
Ambala	6	2	0	0	8	0	0	0
Bahadurgarh	3	0	0	0	3	0	0	0
Ballabgarh	32	24	1	0	55	0	0	0
Bhiwani	0	0	0	0	0	0	0	0
Dharuhera	1	0	0	0	1	0	0	0
Mahendergarh	0	0	0	0	0	0	0	0
Faridabad	6	2	5	0	3	0	0	0
Gurugram (N)	19	37	0	0	56	0	0	0
Gurugram (S)	6	0	0	0	6	0	0	0
Hisar	3	1	0	0	4	0	0	0
Kaithal	0	1	0	0	1	0	0	0
Karnal	12	2	1	0	13	0	0	0
Kurukshetra	2	0	0	0	2	0	0	0
Nuh	0	0	0	0	0	0	0	0
Palwal	0	0	0	0	0	0	0	0
Panchkula	6	6	0	0	12	0	0	0
Panipat	11	7	0	0	18	0	0	0
Sonepat	18	1	0	3	16	0	0	3
Yamuna Nagar	37	0	0	0	37	0	0	0
Total	**162**	**83**	**7**	**3**	**235**	**0**	**0**	**3**

ii. **Details of Cases in the Hon'ble National Green Tribunal (filed, pending & disposed as on 31.03.2022)**

Region	No. of cases pending on 31.03.2021 where Board is respondent	No. of new cases filed during 2021-22 where Board is respondent	No. cases disposed of during 2021-22	No. of pending cases as on 31.03.2022
Ambala	0	0	0	0
Bahadurgarh	0	0	0	0
Ballabgarh	2	2	3	1
Bhiwani	1	2	2	1
Dharuhera	1	0	0	1
Mahendergarh	4	0	0	4
Faridabad	5	3	6	2
Gurugram (N)	4	3	0	7
Gurugram (S)	10	1	3	8
Hisar	1	0	0	1
Kaithal	1	0	0	1
Karnal	0	0	0	0
Kurukshetra	0	0	0	0
Nuh	0	0	0	0
Palwal	1	0	1	0
Panchkula	1	0	0	1
Panipat	0	0	0	0
Sonepat	4	5	1	8
Yamuna Nagar	2	2	4	0
Total	**37**	**18**	**20**	**35**

iii. Details of Cases in the Hon'ble Punjab & Haryana High Court High Court (filed, pending & decided as on 31.03.2022)

Region	No. of cases pending on 31.03.2021 in which Board is respondent	No. of new cases filed during 2021-22 where Board is respondent	No. of cases decided		No. of pending cases as on 31.03.2022
			In favor of Board	Against Board	
Ambala	0	0	0	0	0
Bahadurgarh	3	0	0	0	3
Ballabgarh	5	2	7	0	0
Bhiwani	0	0	0	0	0
Dharuhera	0	0	0	0	0
Mahendergarh	5	4	1	0	8
Faridabad	4	6	6	0	4
Gurugram (N)	29	9	1	0	37
Gurugram (S)	17	6	7	0	16
Hisar	2	0	0	0	2
Kaithal	7	1	3	0	5
Karnal	3	5	2	0	6
Kurukshetra	1	0	0	0	1
Nuh	3	0	1	0	2
Palwal	2	0	1	0	1
Panchkula	28	14	0	5	37
Panipat	5	5	1	0	9
Sonepat	10	5	2	0	13
Yamuna Nagar	18	0	0	0	18
Total	**142**	**57**	**32**	**5**	**162**

iv. Details of Cases in the Hon'ble Supreme Court of India, New Delhi (filed, pending & decided as on 31.03.2022)

Region	No. of cases pending on 31.03.2021 in which Board is respondent	No. of new cases filed during 2021-22 in which Board is respondent	No. of new cases filed by Board during 2021-22	No. of cases decided		No. of pending cases as on 31.03.2022
				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	0	0	0	0	0
Mahendergarh	2	1	0	0	0	3
Faridabad	6	1	0	3	0	4
Gurugram (N)	3	0	0	0	0	3
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	1	0	0
Kurukshetra	0	0	0	0	0	0
Nuh	0	0	0	0	0	0
Palwal	0	0	0	0	0	0
Panchkula	6	0	2	0	3	5
Panipat	1	0	0	0	0	1
Sonepat	3	1	0	0	0	4
Yamuna Nagar	0	0	0	0	0	0
Total	**24**	**4**	**2**	**4**	**3**	**23**

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CHAPTER 5: GROSSLY & HIGHLY POLLUTING INDUSTRIES

5.1 Grossly Polluting Industries (GPIs) during the year 2021-2022

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	13	11	2	1	1	0	0
Bahadurgarh	86	86	0	0	0	0	0
Ballabgarh	62	56	6	0	0	0	6
Bhiwani	1	1	0	0	0	0	0
Dharuhera	12	12	0	0	0	0	0
Mahendergarh	0	0	0	0	0	0	0
Faridabad	15	15	0	0	0	0	0
Gurugram (N)	29	28	1	1	0	0	0
Gurugram (S)	21	21	0	0	0	0	0
Hisar	0	0	0	0	0	0	0
Kaithal	4	4	0	0	0	0	0
Karnal	60	58	2	1	0	0	1
Kurukshetra	7	5	2	1	0	0	1

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Region	No. of the Grossly polluting Industries	Compliance Status		Action taken against non-complying units			
		Complying	Non Complying	Closure	Prosecution	Closure & Prosecution	Under SCN
Palwal	8	8	0	0	0	0	0
Nuh	0	0	0	0	0	0	0
Panchkula	4	4	0	0	0	0	0
Panipat	325	320	5	4	1	0	0
Sonipat	128	122	6	0	2	0	4
Yamuna Nagar	3	3	0	0	0	0	0
Total	**778**	**754**	**24**	**8**	**4**	**0**	**12**

5.2 Highly Polluting 17 Category Industries during the year 2021-2022

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 initially selected 18 Categories of major polluting industries but after discussion 17 Categories of highly polluting industries were finalized for regular follow up through the CPCB. These categories are 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 in Haryana, is as below:-

(as on 31.03.2022)

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	6	4	2	1	1	0	0	0
Bahadurgarh	25	25	0	0	0	0	0	0
Ballabgarh	2	2	0	0	0	0	0	0
Bhiwani	4	4	0	0	0	0	0	0
Dharuhera	1	1	0	0	0	0	0	0
Mahendergarh	0	0	0	0	0	0	0	0
Faridabad	1	1	0	0	0	0	0	0
Gurugram (N)	1	0	1	0	0	0	1	0
Gurugram (S)	2	2	0	0	0	0	0	0
Hisar	3	3	0	0	0	0	0	0
Kaithal	1	1	0	0	0	0	0	0
Karnal	11	9	2	2	0	0	0	0
Kurukshetra	0	0	0	0	0	0	0	0
Nuh	0	0	0	0	0	0	0	0

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
Palwal	4	4	0	0	0	0	0	0
Panchkula	6	4	2	1	0	0	1	0
Panipat	9	8	1	1	0	0	0	0
Sonepat	31	30	1	0	0	0	0	0
Yamuna Nagar	4	4	0	0	0	0	0	0
Total	**111**	**102**	**9**	**5**	**1**	**0**	**2**	**0**

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CHAPTER 6: AWARENESS PROGRAMMES

6.1 Awareness Programmes during the year 2021-2022

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

The details of awareness programmes organized, Region-wise, is as under:-

Regional Office	No. of awareness programmes organized
Ambala	1
Bahadurgarh	04
Ballabgarh	4
Bhiwani	06
Dharuhera	03
Mahendergarh	0
Faridabad	4
Gurugram (N)	3
Gurugram (S)	12
Hisar	9
Kaithal	06
Karnal	45
Kurukshetra	4
Nuh	2
Palwal	5
Panchkula	11
Panipat	6
Sonepat	4
Yamuna Nagar	2
Total	**131**

CHAPTER 7: WATER & 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 and thereafter, 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 (as on 31.03.2022)

Region	No. of new ETP/STP installed		
	ETP	STP	Both ETP & STP
Ambala	8	2	4
Bahadurgarh	26	11	0
Ballabgarh	19	4	0
Bhiwani	1	0	0
Dharuhera	3	0	2
Mahendergarh	2	2	0
Faridabad	7	9	2
Gurugram (N)	2	12	0
Gurugram (S)	13	8	0
Hisar	13	4	0
Kaithal	10	0	10
Karnal	28	0	1
Kurukshetra	7	2	1
Palwal	2	1	0
Nuh	2	1	0
Panchkula	25	4	0
Panipat	55	0	0
Sonepat	27	2	1
Yamuna Nagar	7	0	1
Total	**257**	**62**	**22**

Detail of Industries/ Projects Modified/Upgraded ETPs/STPs (as on 31.03.2022)

Region	No. of Industries Modified ETP	No. of Industries Modified STP	No. of Industries Modified STP & ETP Both
Ambala	0	0	0
Bahadugarh	0	0	0
Ballabgarh	0	0	0
Bhiwani	1	0	0
Dharuhera	0	0	0
Mahendergarh	0	0	0
Faridabad	3	1	0
Gurugram (N)	19	12	0
Gurugram (S)	12	1	0
Hisar	0	0	0
Kaithal	0	0	0
Karnal	8	0	0
Kurukshetra	1	0	0
Palwal	0	0	0
Nuh	0	0	0
Panchkula	6	0	0
Panipat	0	0	0
Sonepat	0	0	0
Yamuna Nagar	0	0	0
Total	**50**	**14**	**0**

Detail of new STPs installed in various towns (as on 31.03.2022)

Region	No. of new STPs installed	No. of towns where new STPs installed	Capacity (MLD)
Ambala	1	1	4 MLD
Bahadugarh	2	2	12 MLD and 3MLD
Ballabgarh	4	1	200 KLD, 3 KLD, 20 KLD, 50 KLD
Karnal	1	1	12 MLD
Hisar	2	2	15.5 KLD
Panchkula	8	8	6.5 MLD
Yamuna Nagar	1	1	10 MLD
Total	**19**	**16**	

Detail of new CETPs installed in industrial clusters/estates (as on 31.03.2022)

Region	No. of new CETPs installed	Location	Capacity
Yamuna Nagar	1	3 MLD , CETP, HSIIDC, Industrial Area, Phase 2, Yamuna Nagar, Village Manakpur, District Yamuna Nagar	3 MLD

7.2 Air Pollution Control Devices (APCDs) during the year 2021-2022

All the polluting industrial units/projects having source of air emissions are required to install APCDs before commissioning and thereafter, 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 (as on 31.03.2022)

Region	No. of industries installed new APCM	No. of industries modified APCM
Ambala	21	0
Bahadugarh	0	0
Ballabgarh	26	0
Bhiwani	0	0
Dharuhera	0	0
Mahendergarh	0	0
Gurugram (N)	0	0
Gurugram (S)	0	0
Hisar	20	1
Karnal	30	0
Kaithal	12	0
Kurukshetra	14	0
Palwal	0	0
Nuh	0	0
Sonepat	49	0
Yamuna Nagar	33	0
Faridabad	0	0
Panchkula	0	0
Panipat	40	0
Total	**245**	**1**

7.3 Online Continuous Effluent & Emission monitoring System (CEMS) during the year 2021-2022

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 of emissions and effluents is done from the 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, the Central Pollution Control Board (vide its letter No. B-29016/04/06PCI-1/5401 dated 05.02.2014) issued directions under section 18(1) b of the Water and the Air Act to the State Pollution Control Boards/ 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 were also directed to install online monitoring devices.

Parameters to be monitored

a. For effluent - pH, BOD, COD, TSS, Flow, Chromium, Ammonia cal Nitrogen, Fluoride, Phenol, Cyanide, Temperature, AOx and Arsenic
b. For emissions PM, Fluoride, NOx, SO2, Cl2, HCl and NH3. The relevant parameters for each category of industries are provided on the CPCB website.

Details of installation of Online Continuous Effluent & Emission monitoring System (OCEMS) during the year 2021-2022

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				
				Closure	Prosecution	Closure & Prosecution	Closed on its own	Under process (Specify reason)
Ambala	21	21	0	0	0	0	0	0
Bahadurgarh	89	89	0	0	0	0	0	0
Ballabgarh	87	87	0	0	0	0	0	0
Bhiwani	18	18	0	0	0	0	0	0
Dharuhera	32	32	0	0	0	0	0	0
Mahendergarh	6	6	0	0	0	0	0	0
Faridabad	33	33	0	0	0	0	0	0
Gurugram (N)	71	71	0	0	0	0	0	0
Gurugram(S)	171	171	0	0	0	0	0	0
Kaithal	67	67	0	0	0	0	0	0
Karnal	95	95	0	0	0	0	0	0
Kurukshetra	10	10	0	0	0	0	0	0
Hisar	31	31	0	0	0	0	0	0
Nuh	0	0	0	0	0	0	0	0
Palwal	0	0	0	0	0	0	0	0
Panchkula	13	12	1	1	0	0	0	0
Panipat	167	167	0	0	0	0	0	0
Sonepat	120	112	8	0	0	0	8	0
Yamuna Nagar	17	17	0	0	0	0	0	0
Total	**1048**	**1039**	**9**	**1**	**0**	**0**	**8**	**0**

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CHAPTER 8: SAMPLE TESTING

8.1 Status of Sampling during the year 2021-2022

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.

The details of sample testing carried out by laboratories of the HSPCB are as under;

Name of Laboratory	No. of water samples received	No. of water samples tested	No. of air samples received	No. of air samples tested
Faridabad	1171	1171	601	601
Panchkula	6437	6437	1247	1247
Gurugram	1408	1408	497	497
Hisar	994	994	889	889
Total	**10010**	**10010**	**3234**	**3234**

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 protection of public health with a 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 systems with suitable software to link up with the State Pollution Control Board and the Central Pollution Control Board.

9.2 Continuous Ambient Air Quality Monitoring Report

The Haryana State Pollution Control Board has set up 29 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, Bhiwani, Bahadurgarh, Palwal, Ballabhgarh, Sonepat, Mewat, Dharuhera, Panipat, Yamuna Nagar, Mahendergarh, 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 (PM2.5), Nitrogen Di-oxide (NO2), Nitrogen Oxide (Nox) and Ozone (O3), Carbon Monoxide (CO), Nitric Oxide (NO) and Sulphur Di-oxide (SO2) and Benzene.

1. Continuous Ambient Air Quality Monitoring Station at Rohtak

Monitoring Location : MD University, Rohtak– HSPCB							
Monitoring Conducted By: Environment SA India Pvt. Ltd							
Months	NO	NO2	Nox	NH3	SO_2	CO	O_3
	$\mu g/m^3$	$\mu g/m^3$	ppb	$\mu g/m^3$	$\mu g/m^3$	mg/m3	$\mu g/m^3$
Apr-21	73.10	0.64	10.77	72.22	44.95	69.45	6.87
May-21	63.57	1.49	14.39	56.14	37.33	52.63	6.77
Jun-21	61.29	0.50	10.49	49.19	31.32	85.55	8.34
Jul-21	47.74	0.81	12.38	57.73	36.82	89.75	11.29
Aug-21	47.53	0.95	12.77	72.95	45.05	31.83	8.97
Sep-21	35.98	1.61	13.01	69.64	46.71	46.30	8.08
Oct-21	79.44	1.04	6.14	67.83	38.12	42.62	9.94
Nov-21	179.08	1.78	15.16	80.66	53.45	59.65	10.51
Dec-21	122.63	1.15	32.98	104.56	78.34	50.61	11.78
Jan-22	108.36	1.19	13.08	53.56	36.04	15.47	11.12
Feb-22	91.82	0.83	16.23	61.54	44.53	16.38	9.85
Mar-22	89.60	0.50	11.31	43.29	32.14	27.08	11.12
Minimum	**35.98**	**0.50**	**6.14**	**43.29**	**31.32**	**15.47**	**6.77**
Maximum	**179.08**	**1.78**	**32.98**	**104.56**	**78.34**	**89.75**	**11.78**
Average	**83.34**	**1.04**	**14.06**	**65.78**	**43.73**	**48.94**	**9.55**

2. Continuous Ambient Air Quality Monitoring Station at Gurugram

Monitoring Location : VikasSadan, Gurugram– HSPCB							
Monitoring Conducted By: Environment SA India Pvt. Ltd							
Months	NO	NO2	Nox	NH3	SO_2	CO	O_3
	$\mu g/m^3$	$\mu g/m^3$	ppb	$\mu g/m^3$	$\mu g/m^3$	mg/m3	$\mu g/m^3$
Apr-21	101.54	0.36	11.25	10.21	6.82	22.54	5.03
May-21	103.49	0.33	14.98	14.18	13.01	41.58	11.75
Jun-21	82.87	0.37	15.04	22.32	15.35	87.97	8.59
Jul-21	41.99	0.73	7.00	17.30	14.94	33.78	7.76
Aug-21	43.22	0.78	14.19	27.30	22.72	21.35	7.09
Sep-21	34.31	0.69	8.07	23.51	16.99	16.90	7.47
Oct-21	69.03	1.41	27.63	50.80	46.26	33.83	7.29
Nov-21	214.30	1.64	68.66	72.92	90.85	36.53	15.75
Dec-21	160.87	2.00	86.93	65.71	96.11	33.85	12.90
Jan-22	127.01	1.36	38.18	31.4	33.87	31.18	10.93
Feb-22	94.49	2.12	9.6	35.51	20.98	47.26	9.75
Mar-22	91.15	1.17	8.88	29.77	24.12	56.22	8.39
Minimum	**34.31**	**0.33**	**7.00**	**10.21**	**6.82**	**16.90**	**5.03**

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Maximum	214.30	2.12	86.93	72.92	96.11	87.97	15.75
Average	97.02	1.08	25.87	33.41	33.50	38.58	9.39

3. Continuous Ambient Air Quality Monitoring Station at Bahadurgah

Monitoring Location : Arya Nagar, Bahadurgarh– HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	NO	NO2	Nox	NH3	SO_2	CO	O_3	$PM_{2.5}$	PM_{10}
	$\mu g/m^3$	$\mu g/m^3$	ppb	$\mu g/m^3$	$\mu g/m^3$	mg/m3	$\mu g/m^3$	$\mu g/m^3$	$\mu g/m^3$
Apr-21	0.21	7.17	2.02	8.89	5.34	0.21	10.23	38.68	88.12
May-21	1.47	13.68	4.93	35.85	14.75	0.54	59.22	58.41	124.25
Jun-21	2.86	14.31	6.16	41.94	7.15	0.48	43.67	60.13	139.90
Jul-21	9.52	18.18	11.95	65.06	3.67	0.42	13.42	24.39	46.34
Aug-21	13.92	32.12	23.96	77.07	5.51	0.60	27.42	41.23	79.05
Sep-21	12.67	40.35	28.81	41.63	2.11	0.56	23.86	30.19	59.95
Oct-21	19.64	22.11	29.39	51.67	5.63	0.83	48.13	77.92	147.62
Nov-21	18.03	36.11	28.24	43.85	9.36	2.15	40.03	201.43	289.72
Dec-21	18.27	28.55	22.30	34.94	3.52	1.44	32.34	153.30	225.08
Jan-22	14.79	29.02	19.96	38.86	4.69	1.32	30.05	97.65	140.57
Feb-22	27.75	40.02	31.19	40.91	5.59	0.86	22.27	90.72	172.33
Mar-22	12.07	21.45	10.60	18.44	15.92	0.84	33.52	102.57	221.17
Minimum	**0.21**	**7.17**	**2.02**	**8.89**	**2.11**	**0.21**	**10.23**	**24.39**	**46.34**
Maximum	**27.75**	**40.35**	**31.19**	**77.07**	**15.92**	**2.15**	**59.22**	**201.43**	**289.72**
Average	**12.60**	**25.26**	**18.29**	**41.59**	**6.94**	**0.85**	**32.01**	**81.39**	**144.51**

4. Continuous Ambient Air Quality Monitoring Station at Ballabgarh

Monitoring Location : Nathu Colony, Ballabgarh – HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	NO	NO2	Nox	NH3	SO_2	CO	O_3	$PM_{2.5}$	PM_{10}
	$\mu g/m^3$	$\mu g/m^3$	ppb	$\mu g/m^3$	$\mu g/m^3$	mg/m3	$\mu g/m^3$	$\mu g/m^3$	$\mu g/m^3$
Apr-21	28.52	42.96	66.65	17.44	11.56	2.26	22.79	67.94	137.38
May-21	9.94	26.23	35.41	17.72	6.79	1.92	20.44	48.86	90.88
Jun-21	9.53	17.53	25.70	13.94	15.40	1.94	29.30	42.91	115.56
Jul-21	9.11	16.34	24.13	15.35	8.69	1.28	36.37	33.91	93.72
Aug-21	9.11	17.22	25.13	17.16	5.93	1.56	34.62	34.20	101.87
Sep-21	14.45	24.00	32.77	18.70	8.69	0.54	20.02	34.77	66.85
Oct-21	17.80	32.67	47.86	13.25	10.40	1.38	20.35	125.09	178.27
Nov-21	39.71	46.03	77.93	8.97	9.94	2.11	11.46	173.10	323.96
Dec-21	38.52	43.96	74.78	10.28	4.37	2.01	10.43	147.17	291.11
Jan-22	22.63	29.09	47.56	11.21	5.19	1.47	19.35	109.17	218.67

Feb-22	19.85	5.37	19.97	5.78	5.85	1.39	16.30	86.61	149.45
Mar-22	16.72	9.50	21.85	4.28	12.12	1.44	7.82	60.16	175.88
Minimum	**9.11**	**5.37**	**19.97**	**4.28**	**4.37**	**0.54**	**7.82**	**33.91**	**66.85**
Maximum	**39.71**	**46.03**	**77.93**	**18.70**	**15.40**	**2.26**	**36.37**	**173.10**	**323.96**
Average	**19.66**	**25.91**	**41.65**	**12.84**	**8.74**	**1.61**	**20.81**	**80.32**	**161.97**

5. Continuous Ambient Air Quality Monitoring Station at Bhiwani.

Monitoring Location : H.B. Colony, Bhiwani – HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	NO	NO2	Nox	NH3	SO_2	CO	O_3	$PM_{2.5}$	PM_{10}
	$\mu g/m^3$	$\mu g/m^3$	ppb	$\mu g/m^3$	$\mu g/m^3$	mg/m3	$\mu g/m^3$	$\mu g/m^3$	$\mu g/m^3$
Apr-21	1.04	6.25	3.75	30.81	14.21	0.71	117.68	22.69	154.82
May-21	2.01	12.26	6.15	37.14	13.27	0.78	104.25	24.09	128.75
Jun-21	18.37	19.37	14.04	44.06	16.46	0.53	82.60	27.22	110.96
Jul-21	24.25	7.92	20.23	27.40	19.09	0.50	51.23	36.63	83.63
Aug-21	36.88	10.03	31.44	28.96	14.54	0.49	43.76	35.45	82.41
Sep-21	8.66	24.54	12.54	47.17	11.39	0.60	60.83	31.47	57.77
Oct-21	15.05	37.77	24.32	32.52	11.55	0.75	77.89	64.57	122.21
Nov-21	26.05	37.36	41.51	52.88	12.02	1.65	63.39	152.78	250.71
Dec-21	13.00	35.89	36.99	32.56	13.25	2.18	85.11	115.09	176.01
Jan-22	11.79	33.52	26.66	37.81	24.47	1.08	64.78	94.79	124.07
Feb-22	13.67	24.56	23.8	25.98	20.01	0.81	80.89	83.82	123.08
Mar-22	5.26	22.95	16.19	17.46	14.1	0.84	80.64	76.02	143.21
Minimum	**1.04**	**6.25**	**3.75**	**17.46**	**11.39**	**0.49**	**43.76**	**22.69**	**57.77**
Maximum	**36.88**	**37.77**	**41.51**	**52.88**	**24.47**	**2.18**	**117.68**	**152.78**	**250.71**
Average	**14.67**	**22.70**	**21.47**	**34.56**	**15.36**	**0.91**	**76.09**	**63.72**	**129.80**

6. Continuous Ambient Air Quality Monitoring Station at Dharuhera.

Monitoring Location : Municipal Corporation Office, Dharuhera - HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	NO	NO2	Nox	NH3	SO_2	CO	O_3	$PM_{2.5}$	PM_{10}
	$\mu g/m^3$	$\mu g/m^3$	ppb	$\mu g/m^3$	$\mu g/m^3$	mg/m3	$\mu g/m^3$	$\mu g/m^3$	$\mu g/m^3$
Apr-21	13.28	43.63	33.27	32.57	29.06	1.52	35.78	77.19	284.04
May-21	4.73	20.02	13.87	41.12	14.34	0.31	34.72	56.34	161.74
Jun-21	6.04	19.27	15.56	33.21	19.74	0.97	23.66	56.37	177.90
Jul-21	4.49	8.27	10.12	33.24	34.26	1.28	23.78	48.15	107.23
Aug-21	5.09	9.81	12.05	28.43	34.39	1.33	29.96	43.57	77.79
Sep-21	12.67	40.35	28.81	41.63	2.11	0.56	23.86	30.19	59.95
Oct-21	14.77	23.98	35.76	19.90	11.96	0.91	34.89	66.18	103.47

Nov-21	12.00	22.00	14.01	9.01	9.58	1.32	34.96	181.30	221.74
Dec-21	10.71	14.23	12.77	6.64	5.39	1.84	25.67	198.91	208.15
Jan-22	11.72	8.47	15.93	6.40	4.44	1.40	12.48	98.50	165.74
Feb-22	16.72	10.68	27.13	10.18	3.06	0.74	23.19	80.63	201.24
Mar-22	13.25	18.24	28.37	10.07	2.85	1.96	34.58	86.32	257.00
Minimum	**4.49**	**8.27**	**10.12**	**6.40**	**2.11**	**0.31**	**12.48**	**30.19**	**59.95**
Maximum	**16.72**	**43.63**	**35.76**	**41.63**	**34.39**	**1.96**	**35.78**	**198.91**	**284.04**
Average	**10.46**	**19.91**	**20.64**	**22.70**	**14.27**	**1.18**	**28.12**	**85.30**	**168.83**

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

Monitoring Location : Police Lines, Jind– HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	**NO**	**NO2**	**Nox**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
	$\mu g/m^3$	**$\mu g/m^3$**	**ppb**	**$\mu g/m^3$**	**$\mu g/m^3$**	**mg/m3**	**$\mu g/m^3$**	**$\mu g/m^3$**	**$\mu g/m^3$**
Apr-21	5.48	34.51	20.84	47.11	14.95	1.35	37.37	91.02	168.38
May-21	5.55	25.61	16.22	56.05	8.42	1.41	50.81	64.88	144.42
Jun-21	7.12	33.88	21.83	113.50	7.35	0.85	23.21	60.77	152.95
Jul-21	6.62	22.75	15.58	79.14	9.98	0.49	24.80	45.73	82.22
Aug-21	6.05	21.63	13.47	63.67	10.82	0.55	9.74	42.02	90.34
Sep-21	4.68	7.90	2.81	35.30	3.81	0.77	10.20	26.22	40.39
Oct-21	4.78	11.72	10.62	32.79	8.67	0.94	27.48	79.08	138.25
Nov-21	3.46	7.99	16.71	19.54	17.47	0.61	27.31	224.49	305.15
Dec-21	7.21	23.23	23.39	20.09	7.13	0.56	12.21	137.06	180.04
Jan-22	4.07	14.71	16.96	33.72	6.97	0.81	17.99	105.41	127.49
Feb-22	4.53	26.03	21.14	31.56	6.84	0.9	30.36	66.89	110.93
Mar-22	3.63	10.04	18.79	19.14	11.45	0.61	36.91	64.28	141.20
Minimum	**3.46**	**7.90**	**2.81**	**19.14**	**3.81**	**0.49**	**9.74**	**26.22**	**40.39**
Maximum	**7.21**	**34.51**	**23.39**	**113.50**	**17.47**	**1.41**	**50.81**	**224.49**	**305.15**
Average	**5.26**	**20.00**	**16.53**	**45.97**	**9.49**	**0.82**	**25.70**	**83.99**	**140.15**

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

Monitoring Location : Sector-12, Karnal– HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	**NO**	**NO2**	**Nox**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
	$\mu g/m^3$	**$\mu g/m^3$**	**ppb**	**$\mu g/m^3$**	**$\mu g/m^3$**	**mg/m3**	**$\mu g/m^3$**	**$\mu g/m^3$**	**$\mu g/m^3$**
Apr-21	8.69	7.34	11.05	19.62	25.58	0.45	18.49	44.72	103.11
May-21	1.99	1.37	2.50	29.75	21.64	0.45	38.24	35.03	120.37
Jun-21	3.89	8.33	12.12	23.77	25.49	0.42	62.27	41.53	107.78
Jul-21	7.77	16.85	23.95	48.48	49.24	0.45	35.86	38.55	78.39

Aug-21	20.29	25.39	46.00	56.53	56.86	0.46	21.50	31.35	57.72
Sep-21	23.44	18.20	42.81	48.66	20.00	0.49	14.66	23.16	44.28
Oct-21	14.48	23.98	36.75	34.41	25.04	0.83	20.18	81.23	133.40
Nov-21	8.62	16.13	28.71	23.84	28.31	1.50	12.63	123.72	246.11
Dec-21	9.07	12.72	23.43	23.05	16.38	1.18	8.35	82.23	209.87
Jan-22	11.20	14.32	18.80	19.42	14.81	0.87	12.22	62.67	109.65
Feb-22	13.89	27.09	25.28	43.29	11.39	0.53	28.03	56.81	118.31
Mar-22	8.95	12.63	13.77	56.37	11.22	0.65	20.75	56.42	119.16
Minimum	**1.99**	**1.37**	**2.50**	**19.42**	**11.22**	**0.42**	**8.35**	**23.16**	**44.28**
Maximum	**23.44**	**27.09**	**46.00**	**56.53**	**56.86**	**1.50**	**62.27**	**123.72**	**246.11**
Average	**11.02**	**15.36**	**23.76**	**35.60**	**25.50**	**0.69**	**24.43**	**56.45**	**120.68**

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

Monitoring Location : General Hospital, Mandikhera (Mewat) – HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	**NO**	**NO2**	**Nox**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
	µg/m³	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Apr-21	7.73	26.48	22.78	52.14	19.42	1.14	3.03	52.63	112.33
May-21	12.78	23.27	21.87	63.17	13.56	0.82	5.02	40.76	95.41
Jun-21	10.01	14.95	19.97	40.7	9.83	0.99	32.33	42.15	82.49
Jul-21	10.03	15.04	19.96	47.07	12.66	0.89	34.8	28.41	52.74
Aug-21	9.92	14.9	19.83	46.73	15.85	0.24	29.57	29.23	55.19
Sep-21	9.92	14.88	20.03	46.96	19.36	0.51	21.15	25.33	57.26
Oct-21	9.73	14.55	19.36	45.99	13.21	0.74	19.17	54.49	76.99
Nov-21	4.04	7.16	13.47	46.85	9.38	1.79	18.57	89.57	141.78
Dec-21	2.69	6.14	12.49	46.14	12.53	1.58	20.08	60.23	100.38
Jan-22	2.67	6.13	12.51	46.12	17.9	0.57	19.99	37.12	83.96
Feb-22	10.45	41.00	31.31	103.93	21.14	0.94	3.06	64.98	103.65
Mar-22	11.64	22.11	16.46	49.90	17.07	1.02	3.02	62.00	103.51
Minimum	**2.67**	**6.13**	**12.49**	**40.70**	**9.38**	**0.24**	**3.02**	**25.33**	**52.74**
Maximum	**12.78**	**41.00**	**31.31**	**103.93**	**21.14**	**1.79**	**34.80**	**89.57**	**141.78**
Average	**8.47**	**17.22**	**19.17**	**52.98**	**15.16**	**0.94**	**17.48**	**48.91**	**88.81**

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

Monitoring Location : Sector-2 IMT, Manesar– HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	**NO**	**NO2**	**Nox**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
	µg/m³	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Apr-21	7.17	4.26	3.41	18.65	19.07	0.47	38.95	107.66	186.70

May-21	10.51	7.27	6.45	21.54	5.53	0.37	37.60	65.36	123.68
Jun-21	8.13	5.99	4.21	18.63	3.01	0.44	34.20	71.58	142.68
Jul-21	8.49	6.33	4.70	19.08	2.53	0.39	30.73	46.14	91.76
Aug-21	8.31	6.44	4.49	18.74	2.54	0.33	18.27	53.05	104.17
Sep-21	7.90	8.71	4.18	21.55	2.47	0.33	20.65	30.68	65.51
Oct-21	8.80	8.46	6.24	16.69	7.94	0.56	46.24	82.65	140.04
Nov-21	9.37	7.31	13.75	5.67	12.67	1.21	32.94	199.93	296.73
Dec-21	12.99	15.64	11.66	10.53	9.14	1.18	18.45	186.19	260.02
Jan-22	16.22	23.95	13.45	15.25	13.85	0.54	21.10	136.88	202.49
Feb-22	12.13	8.32	8.43	10.03	19.90	0.48	36.37	99.11	154.68
Mar-22	10.23	3.11	6.66	8.87	14.37	0.60	49.64	114.07	181.87
Minimum	**7.17**	**3.11**	**3.41**	**5.67**	**2.47**	**0.33**	**18.27**	**30.68**	**65.51**
Maximum	**16.22**	**23.95**	**13.75**	**21.55**	**19.90**	**1.21**	**49.64**	**199.93**	**296.73**
Average	**10.02**	**8.82**	**7.30**	**15.44**	**9.42**	**0.57**	**32.09**	**99.44**	**162.53**

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

Monitoring Location : Shastri Nagar, Narnaul– HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	**NO**	**NO2**	**Nox**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
	µg/m³	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Apr-21	25.95	19.62	23.77	34.44	6.91	0.21	15.64	28.3	64.91
May-21	9.03	19.32	13.32	47.18	5.05	0.44	23.28	71.03	168.15
Jun-21	14.77	9.65	8.69	9.3	1.99	0.24	14.2	50.33	157.93
Jul-21	34.93	26.34	31.35	37.51	6.3	0.47	14.03	24.55	91.14
Aug-21	22.32	22.27	29.42	16.64	5.26	0.32	8.45	29.44	43.02
Sep-21	18.93	29.69	26.82	27.96	5.29	0.39	14.98	29.6	61.05
Oct-21	9.85	16.79	19.9	44.39	13.09	0.69	19.2	54.43	75.58
Nov-21	13.38	36.59	30.63	40.5	4.41	0.72	3.37	128.83	199.95
Dec-21	14.52	33.01	28.16	33.62	4.73	0.64	3.83	106.51	143.16
Jan-22	11.36	25.37	30.20	26.68	4.69	0.53	4.25	69.38	97.70
Feb-22	20.20	39.19	33.03	27.63	4.99	0.66	15.06	98.17	178.33
Mar-22	16.41	37.27	28.75	22.26	4.44	0.38	6.84	71.82	136.45
Minimum	**9.03**	**9.65**	**8.69**	**9.30**	**1.99**	**0.21**	**3.37**	**24.55**	**43.02**
Maximum	**34.93**	**39.19**	**33.03**	**47.18**	**13.09**	**0.72**	**23.28**	**128.83**	**199.95**
Average	**17.64**	**26.26**	**25.34**	**30.68**	**5.60**	**0.47**	**11.93**	**63.53**	**118.11**

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

Monitoring Location : Shyam Nagar, Palwal– HSPCB
Monitoring Conducted By: Environment SA India Pvt. Ltd

Months	NO	NO2	Nox	NH3	SO_2	CO	O_3	$PM_{2.5}$	PM_{10}
	$\mu g/m^3$	$\mu g/m^3$	ppb	$\mu g/m^3$	$\mu g/m^3$	mg/m3	$\mu g/m^3$	$\mu g/m^3$	$\mu g/m^3$
Apr-21	19.69	12.67	31.09	34.93	8.20	2.15	17.32	26.78	123.97
May-21	19.69	12.67	31.09	34.93	8.20	2.15	17.32	26.78	123.97
Jun-21	11.67	5.93	15.33	12.24	11.46	1.08	13.56	33.82	122.08
Jul-21	10.56	14.42	22.80	48.29	5.06	0.47	35.78	33.80	66.42
Aug-21	10.77	9.43	17.69	30.97	3.31	0.38	20.89	34.27	89.10
Sep-21	13.96	5.54	15.95	27.00	2.26	0.32	21.64	23.17	65.59
Oct-21	13.70	13.01	24.54	36.35	4.54	0.43	23.09	35.70	120.24
Nov-21	9.31	25.47	34.58	52.42	6.37	0.40	21.47	68.46	235.56
Dec-21	7.00	9.03	15.34	21.51	2.49	0.83	13.75	31.30	177.20
Jan-22	7.43	7.73	13.96	12.45	3.11	0.86	12.24	34.07	103.08
Feb-22	10.70	9.69	18.33	9.53	4.23	0.92	19.11	46.62	119.75
Mar-22	13.80	14.13	20.57	7.15	5.32	2.36	28.11	32.13	136.46
Minimum	**7.00**	**5.54**	**13.96**	**7.15**	**2.26**	**0.32**	**12.24**	**23.17**	**65.59**
Maximum	**19.69**	**25.47**	**34.58**	**52.42**	**11.46**	**2.36**	**35.78**	**68.46**	**235.56**
Average	**12.36**	**11.64**	**21.77**	**27.31**	**5.38**	**1.03**	**20.36**	**35.58**	**123.62**

13. Continuous Ambient Air Quality Monitoring Station at Panipat.

Monitoring Location : Sector-18, Panipat – HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	NO	NO2	Nox	NH3	SO_2	CO	O_3	$PM_{2.5}$	PM_{10}
	$\mu g/m^3$	$\mu g/m^3$	ppb	$\mu g/m^3$	$\mu g/m^3$	mg/m3	$\mu g/m^3$	$\mu g/m^3$	$\mu g/m^3$
Apr-21	16.41	19.78	8.59	11.69	48.17	0.61	22.17	45.65	187.42
May-21	14.86	24.71	10.93	9.10	62.24	0.85	38.93	48.99	169.10
Jun-21	14.22	23.71	10.98	9.21	44.05	2.16	38.89	50.61	156.26
Jul-21	14.72	24.43	11.15	9.19	47.53	1.66	38.83	35.66	106.14
Aug-21	14.67	24.41	10.94	9.01	46.77	1.48	38.93	40.04	121.65
Sep-21	14.65	24.41	11.06	9.13	43.80	0.65	38.88	25.14	61.36
Oct-21	16.22	25.59	10.62	8.78	26.26	0.66	38.91	70.49	198.59
Nov-21	15.04	24.98	9.76	8.48	23.89	1.56	38.91	106.97	327.41
Dec-21	14.66	24.68	9.60	8.49	17.55	1.10	38.91	100.28	276.42
Jan-22	14.32	24.35	9.94	8.63	14.42	0.42	38.94	60.11	180.79
Feb-22	21.47	31.42	15.63	33.40	3.33	0.85	18.23	54.86	118.67
Mar-22	15.14	27.51	11.67	13.06	16.74	0.41	42.93	55.22	170.34
Minimum	**14.22**	**19.78**	**8.59**	**8.48**	**3.33**	**0.41**	**18.23**	**25.14**	**61.36**
Maximum	**21.47**	**31.42**	**15.63**	**33.40**	**62.24**	**2.16**	**42.93**	**106.97**	**327.41**
Average	**15.53**	**25.00**	**10.91**	**11.51**	**32.90**	**1.03**	**36.12**	**57.84**	**172.85**

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

Monitoring Location : Murthal, Sonipat– HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	NO	NO2	Nox	NH3	SO_2	CO	O_3	$PM_{2.5}$	PM_{10}
	$\mu g/m^3$	$\mu g/m^3$	ppb	$\mu g/m^3$	$\mu g/m^3$	mg/m3	$\mu g/m^3$	$\mu g/m^3$	$\mu g/m^3$
Apr-21	21.24	16.67	15.32	41.82	29.71	0.57	30.24	62.54	270.17
May-21	26.39	21.46	19.44	20.43	4.85	0.50	42.36	50.61	210.81
Jun-21	14.22	23.71	10.98	9.21	44.05	2.16	38.89	50.61	156.26
Jul-21	18.54	29.67	18.10	34.46	10.39	0.38	50.43	27.97	180.09
Aug-21	13.75	26.71	16.06	43.61	9.61	0.39	33.24	24.31	154.93
Sep-21	15.69	32.79	27.66	42.63	6.95	0.76	70.74	28.16	218.27
Oct-21	13.34	13.04	25.01	33.28	5.74	0.50	37.61	48.58	197.04
Nov-21	7.70	18.61	17.69	21.68	4.50	0.94	34.09	141.52	297.81
Dec-21	6.88	19.37	16.62	23.88	3.87	0.70	34.01	55.86	230.74
Jan-22	6.70	19.21	16.49	32.63	4.07	0.58	32.85	38.65	164.91
Feb-22	12.06	15.13	20.06	35.31	6.47	0.61	25.02	36.93	197.25
Mar-22	10.13	15.82	18.67	36.46	6.13	0.71	25.05	37.69	215.90
Minimum	**6.70**	**13.04**	**10.98**	**9.21**	**3.87**	**0.38**	**25.02**	**24.31**	**154.93**
Maximum	**26.39**	**32.79**	**27.66**	**43.61**	**44.05**	**2.16**	**70.74**	**141.52**	**297.81**
Average	**13.89**	**21.02**	**18.51**	**31.28**	**11.36**	**0.73**	**37.88**	**50.29**	**207.85**

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

Monitoring Location : Mini Secretariat, CharkhiDadri– HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	NO	NO2	Nox	NH3	SO_2	CO	O_3	$PM_{2.5}$	PM_{10}
	$\mu g/m^3$	$\mu g/m^3$	ppb	$\mu g/m^3$	$\mu g/m^3$	mg/m3	$\mu g/m^3$	$\mu g/m^3$	$\mu g/m^3$
Apr-21	7.30	33.65	25.99	34.73	2.63	0.96	26.49	51.31	158.96
May-21	7.30	33.66	25.94	34.70	2.24	0.72	26.71	59.93	113.47
Jun-21	9.27	29.36	25.18	30.80	5.14	0.41	25.03	79.64	163.89
Jul-21	7.70	22.66	18.81	18.89	10.09	0.22	16.58	47.11	91.07
Aug-21	4.30	22.73	14.96	14.64	9.61	0.40	10.49	51.48	91.47
Sep-21	6.32	19.09	14.06	112.61	9.30	0.50	9.59	34.42	70.12
Oct-21	11.87	17.78	15.54	16.98	7.41	0.69	4.23	71.95	146.69
Nov-21	17.51	41.79	31.14	40.16	4.91	1.38	4.31	209.04	270.68
Dec-21	6.21	28.53	15.62	19.96	3.70	2.25	4.28	120.46	205.39
Jan-22	5.86	5.20	3.46	10.57	4.53	3.70	3.91	92.69	146.77
Feb-22	11.80	32.47	24.56	52.33	3.38	0.71	15.11	84.07	142.23

Mar-22	7.81	21.08	15.25	42.76	2.10	0.70	15.36	82.85	171.34
Minimum	4.30	5.20	3.46	10.57	2.10	0.22	3.91	34.42	70.12
Maximum	17.51	41.79	31.14	112.61	10.09	3.70	26.71	209.04	270.68
Average	8.60	25.67	19.21	35.76	5.42	1.05	13.51	82.08	147.67

16. Continuous Ambient Air Quality Monitoring Station at Faridabad

Monitoring Location : New Industrial Town, Faridabad – HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	NO	NO2	Nox	NH3	SO_2	CO	O_3	$PM_{2.5}$	PM_{10}
	$\mu g/m^3$	$\mu g/m^3$	ppb	$\mu g/m^3$	$\mu g/m^3$	mg/m3	$\mu g/m^3$	$\mu g/m^3$	$\mu g/m^3$
Apr-21	4.25	5.08	15.13	11.19	28.74	1.62	80.57	152.09	479.68
May-21	4.23	5.07	15.14	11.18	26.32	1.21	129.02	120.49	355.9
Jun-21	15.19	13.44	27.66	90.17	7.38	1.33	34.11	78.91	211.1
Jul-21	4.09	5.02	15.04	11.07	8.46	0.52	13.09	46.44	105.14
Aug-21	8.43	10.88	20.85	19.07	8.49	0.51	7.96	37.06	126.09
Sep-21	37.38	6.15	31.09	691.01	18.09	0.57	15.59	29.99	76.12
Oct-21	93.05	17.98	89.83	21.46	23.98	0.86	19.92	59.44	187.72
Nov-21	40.34	39.9	50.96	144.97	8.79	1.44	15.22	183.36	467.26
Dec-21	40.73	51.29	61.44	24.92	5.22	1.36	10.34	156.22	399.5
Jan-22	4.53	26.03	21.14	31.56	6.84	0.9	30.36	66.89	110.93
Feb-22	30.61	28.18	41.52	16.98	3.09	0.76	11.3	126.68	243.15
Mar-22	30.61	28.18	41.52	16.98	3.09	0.76	11.3	126.68	243.15
Minimum	4.09	5.02	15.04	11.07	3.09	0.51	7.96	29.99	76.12
Maximum	93.05	51.29	89.83	691.01	28.74	1.62	129.02	183.36	479.68
Average	26.12	19.77	35.94	90.88	12.37	0.99	31.57	98.69	250.48

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

Monitoring Location : Sector 11, Faridabad – HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	NO	NO2	Nox	NH3	SO_2	CO	O_3	$PM_{2.5}$	PM_{10}
	$\mu g/m^3$	$\mu g/m^3$	ppb	$\mu g/m^3$	$\mu g/m^3$	mg/m3	$\mu g/m^3$	$\mu g/m^3$	$\mu g/m^3$
Apr-21	15.02	25.01	30.06	24.97	3.91	1.20	31.71	105.02	201.53
May-21	14.65	27.35	29.13	24.44	3.06	0.59	33.53	76.40	136.31
Jun-21	14.98	25.01	30.00	25.05	2.37	0.43	25.07	72.34	135.39
Jul-21	14.59	27.55	29.21	24.49	3.83	0.39	13.74	51.07	115.24
Aug-21	30.35	17.48	39.44	19.98	2.70	0.95	8.04	57.99	121.15

Sep-21	28.90	8.69	37.27	15.94	1.69	0.67	5.93	33.08	66.56
Oct-21	44.78	13.80	45.30	13.66	13.37	0.97	16.10	112.88	182.08
Nov-21	64.05	49.16	68.66	34.93	6.74	6.20	3.46	235.98	672.32
Dec-21	61.31	40.49	64.35	25.62	2.70	5.69	9.78	175.49	316.09
Jan-22	19.72	20.30	36.96	30.46	3.59	1.22	9.95	176.28	212.49
Feb-22	28.31	21.28	48.39	22.75	3.94	1.57	5.30	147.33	198.35
Mar-22	9.87	15.10	29.20	9.86	4.64	0.92	10.97	119.07	170.73
Minimum	**9.87**	**8.69**	**29.13**	**9.86**	**1.69**	**0.39**	**3.46**	**33.08**	**66.56**
Maximum	**64.05**	**49.16**	**68.66**	**34.93**	**13.37**	**6.20**	**33.53**	**235.98**	**672.32**
Average	**28.88**	**24.27**	**40.66**	**22.68**	**4.38**	**1.73**	**14.47**	**113.58**	**210.69**

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

Monitoring Location : Sector 30, Faridabad – HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	**NO**	**NO2**	**Nox**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
	µg/m³	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Apr-21	9.00	10.01	17.98	23.01	0.76	10.93	30.18	76.62	215.84
May-21	9.00	10.00	18.00	23.00	0.66	5.61	42.22	71.49	173.31
Jun-21	9.00	10.00	17.99	23.02	9.48	0.76	23.85	67.59	173.69
Jul-21	9.01	9.98	18.00	22.99	8.53	0.57	16.31	48.19	108.01
Aug-21	9.01	9.98	18.01	23.03	8.72	0.47	17.39	48.00	116.89
Sep-21	9.00	9.99	16.45	23.00	3.61	0.70	11.61	36.08	74.28
Oct-21	8.39	13.81	18.24	23.67	8.74	1.35	24.08	88.53	196.69
Nov-21	19.04	30.24	42.75	41.33	15.17	2.30	26.45	223.74	401.74
Dec-21	20.00	30.00	40.01	34.98	7.61	2.21	8.48	181.27	335.58
Jan-22	19.13	30.01	40.00	35.02	3.86	1.32	4.76	132.94	237.98
Feb-22	23.29	29.43	39.78	34.39	5.72	1.15	8.11	105.93	215.02
Mar-22	25.00	30.01	40.02	35.01	11.26	2.54	10.12	64.75	246.59
Minimum	**8.39**	**9.98**	**16.45**	**22.99**	**0.66**	**0.47**	**4.76**	**36.08**	**74.28**
Maximum	**25.00**	**30.24**	**42.75**	**41.33**	**15.17**	**10.93**	**42.22**	**223.74**	**401.74**
Average	**14.07**	**18.62**	**27.27**	**28.54**	**7.01**	**2.49**	**18.63**	**95.43**	**207.97**

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

Monitoring Location : Sector-51, Gurugram– HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	**NO**	**NO2**	**Nox**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
	µg/m³	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Apr-21	5.44	10.89	9.91	38.67	8.42	0.79	39.93	103.68	268.79

May-21	7.02	12.40	4.99	22.93	3.88	0.45	46.55	63.91	165.78
Jun-21	10.85	9.34	9.08	43.34	2.27	0.43	41.17	62.23	170.23
Jul-21	7.08	4.40	7.49	42.15	3.67	0.41	31.36	55.89	103.34
Aug-21	8.36	7.88	11.62	69.35	2.46	0.62	25.01	53.72	106.71
Sep-21	5.89	5.50	6.10	36.32	2.69	0.58	23.87	48.47	86.58
Oct-21	5.49	5.57	10.63	25.83	4.29	1.04	31.52	89.86	219.94
Nov-21	6.84	14.32	6.30	25.12	5.10	2.34	36.89	246.04	410.14
Dec-21	14.51	24.59	4.68	37.56	3.02	1.78	23.31	173.15	274.48
Jan-22	15.23	23.44	5.32	36.98	2.83	1.21	19.86	144.82	235.05
Feb-22	21.48	34.13	11.90	57.13	3.02	1.40	29.45	123.80	236.38
Mar-22	13.74	24.93	6.11	35.50	8.90	0.97	27.85	107.41	245.47
Minimum	**5.44**	**4.40**	**4.68**	**22.93**	**2.27**	**0.41**	**19.86**	**48.47**	**86.58**
Maximum	**21.48**	**34.13**	**11.90**	**69.35**	**8.90**	**2.34**	**46.55**	**246.04**	**410.14**
Average	**10.16**	**14.78**	**7.84**	**39.24**	**4.21**	**1.00**	**31.40**	**106.08**	**210.24**

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

Monitoring Location : Teri Gram, Gurugram– HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	**NO**	**NO2**	**Nox**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
	µg/m³	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Apr-21	6.31	10.74	10.70	41.44	2.66	0.77	29.49	72.92	161.67
May-21	3.31	6.72	7.13	32.23	2.33	0.53	24.72	50.45	108.92
Jun-21	8.35	11.39	9.60	16.19	3.75	0.53	13.79	50.70	117.78
Jul-21	8.00	10.00	22.01	30.00	2.56	0.52	23.77	41.62	86.12
Aug-21	8.05	10.59	25.92	39.91	2.11	0.67	27.57	44.75	99.42
Sep-21	9.05	8.38	21.92	43.94	2.00	0.61	27.85	34.62	68.68
Oct-21	9.41	8.27	26.69	39.80	2.19	0.65	25.97	81.29	163.84
Nov-21	6.74	18.63	8.38	35.92	3.09	1.68	23.00	211.66	334.45
Dec-21	9.82	23.17	5.89	38.36	1.76	0.52	10.74	132.73	208.45
Jan-22	7.79	23.53	5.93	34.51	1.48	0.85	10.75	115.81	188.84
Feb-22	16.93	29.79	24.82	63.27	1.85	0.85	20.26	106.48	155.97
Mar-22	18.33	26.45	48.74	79.83	3.32	0.81	11.87	92.17	170.84
Minimum	**3.31**	**6.72**	**5.89**	**16.19**	**1.48**	**0.52**	**10.74**	**34.62**	**68.68**
Maximum	**18.33**	**29.79**	**48.74**	**79.83**	**3.75**	**1.68**	**29.49**	**211.66**	**334.45**
Average	**9.34**	**15.64**	**18.14**	**41.28**	**2.43**	**0.75**	**20.82**	**86.27**	**155.42**

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

Monitoring Location : Patti Mehar, Ambala – HSPCB

Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	PM2.5	CO	NO	NO2	NOX	O3	SO2	PM2.5	CO
	µg/m3	mg/m3	µg/m3	µg/m3	ppb	µg/m3	µg/m3	µg/m3	mg/m3
Apr-21	3.00	3.08	5.02	21.05	9.72	0.63	34.64	44.79	96.86
May-21	2.99	3.12	4.98	21.09	7.08	0.58	28.93	52.04	100.06
Jun-21	2.99	3.02	5.00	20.90	10.87	0.50	38.74	41.56	101.07
Jul-21	3.17	2.64	3.88	25.87	7.67	0.56	29.49	43.16	87.54
Aug-21	2.94	2.93	4.84	40.75	13.65	0.77	21.79	47.52	89.8
Sep-21	2.91	3.47	4.06	18.27	5.49	0.68	18.02	28.07	64.42
Oct-21	2.83	2.84	4.49	43.25	4.58	0.89	19.02	53.77	142.26
Nov-21	28.46	89.78	69.88	129.41	5.33	1.17	21.85	124.84	216.30
Dec-21	26.93	78.14	62.42	113.31	10.34	1.17	22.00	121.42	181.24
Jan-22	7.90	56.67	36.14	71.11	5.00	0.87	22.61	84.52	127.11
Feb-22	5.74	54.10	32.96	63.13	6.13	0.79	25.34	62.95	125.58
Mar-22	10.91	50.43	35.07	69.27	7.76	0.76	28.73	74.88	154.17
Minimum	**2.83**	**2.64**	**3.88**	**18.27**	**4.58**	**0.50**	**18.02**	**28.07**	**64.42**
Maximum	**28.46**	**89.78**	**69.88**	**129.41**	**13.65**	**1.17**	**38.74**	**124.84**	**216.30**
Average	**8.40**	**29.19**	**22.40**	**53.12**	**7.80**	**0.78**	**25.93**	**64.96**	**123.87**

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

Monitoring Location : Sector-7, Kurukshetra– HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	NO	NO2	Nox	NH3	SO_2	CO	O_3	$PM_{2.5}$	PM_{10}
	µg/m³	µg/m³	ppb	µg/m³	µg/m³	mg/m3	µg/m³	µg/m³	µg/m³
Apr-21	2.25	23.28	13.95	29.13	16.78	0.42	38.80	54.57	144.61
May-21	1.80	19.12	11.78	16.90	13.98	0.47	39.16	51.84	128.31
Jun-21	1.79	14.97	9.23	12.21	7.00	0.39	44.76	43.94	123.34
Jul-21	1.83	10.89	7.40	17.40	5.36	0.40	23.78	35.88	88.34
Aug-21	2.92	10.57	7.82	16.62	5.57	0.36	33.44	39.20	89.75
Sep-21	3.17	12.99	9.28	17.73	6.15	0.40	26.05	28.15	50.67
Oct-21	3.88	27.92	17.60	20.53	10.88	0.65	65.42	77.97	159.92
Nov-21	16.40	66.94	48.14	45.92	14.51	1.22	56.54	143.47	263.22
Dec-21	20.25	58.66	46.88	55.83	11.06	1.03	44.28	109.97	198.81
Jan-22	3.84	25.70	16.51	24.74	9.31	0.68	39.29	79.74	124.43
Feb-22	7.11	48.52	31.03	50.55	16.53	0.58	53.87	73.48	133.48
Mar-22	3.66	34.62	20.99	23.22	13.35	0.53	65.83	82.87	155.68

Minimum	1.79	10.57	7.40	12.21	5.36	0.36	23.78	28.15	50.67
Maximum	20.25	66.94	48.14	55.83	16.78	1.22	65.83	143.47	263.22
Average	5.74	29.51	20.05	27.56	10.87	0.59	44.27	68.42	138.38

23. **Continuous Ambient Air Quality Monitoring Station at Rishi Nagar, Kaithal– HSPCB**

Monitoring Location : Rishi Nagar, Kaithal– HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	NO	NO2	Nox	NH3	SO_2	CO	O_3	$PM_{2.5}$	PM_{10}
	µg/m³	µg/m³	ppb	µg/m³	µg/m³	mg/m3	µg/m³	µg/m³	µg/m³
Apr-21	1.54	15.09	20.33	31.77	17.72	0.48	9.49	30.85	148.45
May-21	2.08	8.82	15.97	37.71	17.27	0.42	20.88	36.49	130.65
Jun-21	2.59	14.23	6.88	41.62	7.96	0.45	64.27	40.14	116.95
Jul-21	1.6	11.82	6.1	57.07	7.73	0.4	35.6	27.27	70.74
Aug-21	1.84	9.54	5.09	46.31	10.35	0.43	22.32	19.31	47.15
Sep-21	1.41	10.17	5.38	56.35	8.34	0.53	37.2	33.36	82.27
Oct-21	1.76	18.03	9.79	59.74	8.58	1.06	38.72	100.48	221.36
Nov-21	1.06	34.85	18.63	65.7	7.88	1.47	20.19	142.47	271.15
Dec-21	1.37	31.22	16.79	62	8.46	1.19	18.77	83.68	178.38
Jan-22	6.08	20.87	21.2	48.91	14.52	0.84	14.18	69.57	108.02
Feb-22	4.17	40.8	24.38	98.1	15.96	0.71	18.27	59.73	111.53
Mar-22	4.17	40.8	24.38	98.1	15.96	0.71	18.27	59.73	111.53
Minimum	1.06	8.82	5.09	31.77	7.73	0.40	9.49	19.31	47.15
Maximum	6.08	40.80	24.38	98.10	17.72	1.47	64.27	142.47	271.15
Average	2.47	21.35	14.58	58.62	11.73	0.72	26.51	58.59	133.18

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

Monitoring Location : Urban Estate-II, Hisar – HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	NO	NO2	Nox	NH3	SO_2	CO	O_3	$PM_{2.5}$	PM_{10}
	µg/m³	µg/m³	ppb	µg/m³	µg/m³	mg/m3	µg/m³	µg/m³	µg/m³
Apr-21	4.38	24.41	16.26	23.7	16.78	0.48	23.42	70.59	176.74
May-21	5.26	16.22	17.65	22.20	16.54	0.39	36.26	63.84	154.70
Jun-21	7.22	26.36	18.73	35.25	7.40	0.41	58.37	67.49	180.10
Jul-21	8.28	28.89	16.77	34.70	49.15	0.51	45.17	42.77	95.53
Aug-21	7.33	11.64	6.62	13.53	33.23	0.81	19.34	45.61	106.62
Sep-21	7.07	13.57	7.18	16.09	12.82	0.43	10.01	35.72	62.80
Oct-21	2.69	47.43	37.88	60.87	10.31	0.64	17.88	74.45	136.80
Nov-21	2.09	47.36	26.25	60.00	12.67	1.73	26.87	221.45	318.49

Dec-21	3.40	42.96	18.55	80.47	21.62	1.21	23.00	158.21	219.34
Jan-22	3.73	82.28	37.59	164.60	11.61	0.94	24.72	116.34	146.63
Feb-22	4.34	65.14	33.64	130.3	7.09	0.73	35.67	87.44	138.33
Mar-22	2.95	24.18	14.06	48.45	6.62	0.70	45.80	88.58	165.84
Minimum	**2.09**	**11.64**	**6.62**	**13.53**	**6.62**	**0.39**	**10.01**	**35.72**	**62.80**
Maximum	**8.28**	**82.28**	**37.88**	**164.60**	**49.15**	**1.73**	**58.37**	**221.45**	**318.49**
Average	**4.90**	**35.87**	**20.93**	**57.51**	**17.15**	**0.75**	**30.54**	**89.37**	**158.49**

25. **Continuous Ambient Air Quality Monitoring Station at F-Block, Sirsa – HSPCB**

Monitoring Location : F-Block, Sirsa – HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	**NO**	**NO2**	**Nox**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
	µg/m³	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Apr-21	5.84	5.47	5.72	9.55	16.22	0.49	17.74	45.13	104.59
May-21	5.03	7.02	6.09	9.15	16.32	0.41	18.76	61.33	137.24
Jun-21	7.92	10.99	9.52	9.28	14.86	0.29	39.92	60.13	146.70
Jul-21	7.71	22.10	17.52	28.69	14.33	0.20	78.93	38.65	91.92
Aug-21	7.68	28.71	24.32	49.32	17.44	0.24	56.76	38.00	104.07
Sep-21	7.05	27.51	25.95	47.66	17.03	0.27	35.51	16.82	37.13
Oct-21	8.21	28.06	30.66	47.15	12.83	0.38	24.04	47.19	130.17
Nov-21	10.36	34.40	34.55	54.87	10.60	1.37	18.96	121.41	267.90
Dec-21	10.10	29.73	31.04	48.50	15.99	1.03	9.82	80.10	176.14
Jan-22	5.80	30.38	27.79	41.81	16.53	0.88	12.38	50.02	123.98
Feb-22	6.71	30.84	26.41	48.42	16.73	0.65	61.38	25.66	102.81
Mar-22	1.97	35.84	20.83	65.20	16.32	0.71	74.43	43.62	101.96
Minimum	**1.97**	**5.47**	**5.72**	**9.15**	**10.60**	**0.20**	**9.82**	**16.82**	**37.13**
Maximum	**10.36**	**35.84**	**34.55**	**65.20**	**17.44**	**1.37**	**78.93**	**121.41**	**267.90**
Average	**7.03**	**24.25**	**21.70**	**38.30**	**15.43**	**0.58**	**37.39**	**52.34**	**127.05**

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

Monitoring Location : Huda Sector, Fatehabad– HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	**NO**	**NO2**	**Nox**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
	µg/m³	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**

Apr-21	19.28	9.93	16.16	11.23	12.85	0.39	11.97	48.28	176.93
May-21	8.27	5.19	6.84	10.05	10.96	0.36	33.53	54.92	189.07
Jun-21	13.51	14	13.59	18.39	8.77	0.41	66.09	57.73	182.15
Jul-21	6.12	14.4	9.84	27.95	7.32	0.36	67.52	32.42	96.88
Aug-21	6.94	15.36	10.16	25.19	8.38	0.35	40.26	31.14	102.3
Sep-21	13.19	22.1	16.19	21.5	9.51	0.39	36.72	17	37.49
Oct-21	5.55	26.54	13.79	15.79	14.08	0.6	60.77	51.24	126.91
Nov-21	4.45	39.13	24.04	18.28	18.66	1.35	71.74	140.14	288.74
Dec-21	4.51	29.97	19.29	23.52	9.78	0.92	55.84	92.08	164.33
Jan-22	3.71	20.56	13.73	55.09	8.55	0.77	35.34	63.57	126.83
Feb-22	4.69	14.38	10.22	17.70	7.61	0.63	53.72	54.25	117.13
Mar-22	4.85	11.26	9.16	24.73	10.44	0.54	65.90	65.57	156.66
Minimum	**3.71**	**5.19**	**6.84**	**10.05**	**7.32**	**0.35**	**11.97**	**17.00**	**37.49**
Maximum	**19.28**	**39.13**	**24.04**	**55.09**	**18.66**	**1.35**	**71.74**	**140.14**	**288.74**
Average	**7.92**	**18.57**	**13.58**	**22.45**	**10.58**	**0.59**	**49.95**	**59.03**	**147.12**

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

Monitoring Location : Gobindpura, Yamuna Nagar - HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	**NC**	**NO2**	**NOx**	**NH3**	**SO_2**	**CO**	**O_3**	**$PM_{2.5}$**	**PM_{10}**
	µg/m³	**µg/m³**	**ppb**	**µg/m³**	**µg/m³**	**mg/m3**	**µg/m³**	**µg/m³**	**µg/m³**
Apr-21	2.98	36	21.2	74.13	13.78	0.64	100.37	77.48	168.2
May-21	3.36	20.92	13.62	68.85	11.47	0.6	95.66	60.73	129.12
Jun-21	4.47	11.83	9.76	74.36	6.29	0.5	50.81	47.21	126.25
Jul-21	4.53	10	8.4	72.7	7.09	0.55	35.72	36.9	109.58
Aug-21	2.27	10.53	7.31	58.01	8.75	0.51	25.54	48.57	103.27
Sep-21	4.44	8.58	7.88	33.16	7.86	0.69	27.88	49.56	134.98
Oct-21	9.37	24.09	20.37	44.8	5.48	0.83	25.35	91.84	184.27
Nov-21	6.97	21.86	20.74	36.97	4.28	1.29	22.92	132.74	291.8
Dec-21	26.56	53.19	49.08	60.29	4.98	1.15	30.07	123.81	254.76
Jan-22	8.45	26.45	20.60	50.97	8.53	0.85	29.26	80.11	149.97
Feb-22	2.62	20.58	12.73	37.73	7.00	0.40	41.87	123.71	129.97
Mar-22	4.88	30.85	20.00	18.32	13.93	0.88	52.77	84.43	180.03
Minimum	**2.27**	**8.58**	**7.31**	**18.32**	**4.28**	**0.40**	**22.92**	**36.90**	**103.27**
Maximum	**26.56**	**53.19**	**49.08**	**74.36**	**13.93**	**1.29**	**100.37**	**132.74**	**291.80**

Average	6.74	22.91	17.64	52.52	8.29	0.74	44.85	79.76	163.52

28. **Continuous Ambient Air Quality Monitoring Station at Sector-6, Panchkula**

Monitoring Location : Sector-6, Panchkula - HSPCB									
Monitoring Conducted By: Environment SA India Pvt. Ltd									
Months	PM2.5	CO	NO	NO2	NOX	O3	SO2	PM2.5	CO
	µg/m3	mg/m3	µg/m3	µg/m3	ppb	µg/m3	µg/m3	µg/m3	mg/m3
Apr-21	38.51	0.58	9.59	29.84	21.66	23.89	7.81	Apr-21	38.51
May-21	37.81	0.56	9.74	29.44	21.05	25.26	9.35	May-21	37.81
Jun-21	38.51	0.59	10.06	30	21.6	23.94	7.33	Jun-21	38.51
Jul-21	37.58	0.56	8.37	22.29	21.63	35.88	8.33	Jul-21	37.58
Aug-21	33.86	0.56	9.36	18.46	23.16	44.33	7.39	Aug-21	33.86
Sep-21	29.06	0.71	10.27	16.79	23.65	55.05	8.05	Sep-21	29.06
Oct-21	52.81	0.51	10.48	16.61	23.14	49.14	6.58	Oct-21	52.81
Nov-21	62.46	0.62	10.63	17.74	24.47	25.26	13.65	Nov-21	62.46
Dec-21	73.91	0.33	11.64	16.31	26.67	22.02	18.98	Dec-21	73.91
Jan-22	85.75	0.35	9.40	17.57	25.41	24.52	18.28	Jan-22	85.75
Feb-22	57.68	0.33	8.01	19.34	25.38	33.43	23.03	Feb-22	57.68
Mar-22	77.21	0.27	5.32	23.51	24.54	32.39	44.44	Mar-22	77.21
Minimum	29.06	0.27	5.32	16.31	21.05	22.02	6.58	Minimum	29.06
Maximum	85.75	0.71	11.64	30.00	26.67	55.05	44.44	Maximum	85.75
Average	52.10	0.50	9.41	21.49	23.53	32.93	14.44	Average	52.10

29. **Continuous Ambient Air Quality Monitoring Station at HSPCB Faridabad,**

Monitoring Location : Faridabad - HSPCB							
Monitoring Conducted By: Eco Tech Pvt. Ltd							
Months	CO	SO2	NO	NO2	NOX	O3	PM2.5
	mg/m3	µg/m3	µg/m3	µg/m3	PPb	µg/m3	µg/m3
Apr-21	1.22	6.87	21.77	54.83	76.63	54.63	70
May-21	0.87	6.26	17.9	29.33	47.63	79.03	49
Jun-21	1.12	5.28	16.47	29	45.07	63.38	44
Jul-21	0.87	4.94	21.68	23.19	44.58	40.5	33
Aug-21	0.76	5.31	24.55	22.39	46.55	34.84	35

Sep-21	0.95	3.71	28.43	17.97	46.13	38.27	26
Oct-21	1.25	7.76	38.58	48.71	87.32	44.42	73
Nov-21	2.77	9.7	37.43	71.83	109.2	34.4	242
Dec-21	3.12	10.65	53.77	57.39	111.83	30.85	214
Jan-22	1.51	10.8	21.07	22.55	42.31	32.03	162
Feb-22	1.27	9.54	11.92	11.42	23.42	41.62	106
Mar-22		9.09	10.61	11.48	22.1	36.5	89
Minimum	0.76	3.71	10.61	11.42	22.1	30.85	26
Maximum	3.12	10.8	53.77	71.83	111.83	79.03	242
Average	1.428182	7.4925	25.34833	33.34083	58.56417	44.20583	95.25

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

10.1 Categorization of Industrial Units/Projects during the year 2021-2022

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 direction 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 the consent management, whereas White category industries/projects are exempted from the consent management, in view of less pollution potential in these industries. However, White category units/projects are required to provide the pollution control devices, wherever required and comply with the standards prescribed for discharge of pollutants under the Environment (Protection) Rules, 1986.

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

Region	Red	Orange	Green	White	Total
Ambala	4	370	94	1	469
Bahadurgarh	308	1122	147	0	1577
Ballabgarh	418	328	115	0	861
Bhiwani	41	1126	69	0	1236
Dharuhera	158	331	79	5	573
Mahendergarh	18	325	6	0	349
Faridabad	140	237	58	2	437
Gurugram (N)	258	373	45	8	684
Gurugram (S)	452	494	231	16	1193
Hisar	31	338	57	0	426
Kaithal	67	597	251	0	915
Karnal	137	523	84	258	1002
Kurukshetra	32	284	26	0	342
Nuh	44	44	11	0	99
Palwal	60	75	20	2	157
Panchkula	111	432	64	25	632
Panipat	394	299	124	0	817
Sonepat	373	1096	323	79	1871
Yamuna Nagar	198	1222	33	0	1453
Total	**3244**	**9616**	**1837**	**396**	**15093**

Consent to Establish under the Water Act, 1974 & the Air Act, 1981 during the year 2021-2022

All the industrial units/ projects covered under the 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 31.03.2021	Applications received during 2021-22	Total Applications received	Decided	
				Granted	Refused
Ambala	0	62	62	41	21
Bahadurgarh	0	233	233	208	25
Ballabgarh	0	130	130	112	18
Bhiwani	0	92	92	69	23
Dharuhera	0	115	115	63	52
Mahendergarh	0	0	0	0	0
Faridabad	0	51	51	34	17
Gurugram (N)	0	105	105	77	28
Gurugram (S)	0	243	243	159	84
Hisar	0	150	150	78	72
Kaithal	0	103	103	75	28
Karnal	0	110	110	75	35
Kurukshetra	0	41	41	28	13
Nuh	0	56	56	38	18
Palwal	0	34	34	18	16
Panchkula	0	64	64	47	17
Panipat	7	101	108	73	35
Sonepat	0	257	257	163	94
Yamuna Nagar	0	143	143	117	26
Total	**7**	**2090**	**2097**	**1475**	**622**

Consent to operate under the Water Act, 1974 & the Air Act, 1981 during the year 2021-2022

All the industrial units/projects covered under the 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 31.03.2021	Applications received during 2021-22	Total Applications received	Decided	
				Granted	Refused
Ambala	0	184	184	125	59
Bahadurgarh	0	652	652	604	48
Ballabgarh	0	538	538	510	28
Bhiwani	0	456	456	369	87
Dharuhera	0	330	330	245	85
Mahendergarh	0	0	0	0	0
Faridabad	0	225	225	199	26
Gurugram (N)	0	312	312	266	46
Gurugram (S)	0	491	491	402	89
Hisar	0	596	596	426	170
Kaithal	0	368	368	256	112
Karnal	0	304	304	259	45
Kurukshetra	0	93	93	60	33
Nuh	0	197	197	162	35
Palwal	0	219	219	179	40
Panchkula	0	175	175	141	34
Panipat	18	356	374	288	86
Sonepat	0	601	601	494	107
Yamuna Nagar	0	658	658	571	87
Total	**18**	**6755**	**6773**	**5556**	**1217**

CHAPTER 11: HAZARDOUS & OTHER WASTE RULES, 2016

11.1 Authorization under Hazardous & Other Waste Rules, 2016 during the year 2021-2022

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

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

Region	Applications pending as on 31.03.2021	Applications received during 2021-22	Total Applications received	Decided	
				Granted	Refused
Ambala	0	41	41	31	10
Bahadurgarh	0	41	41	31	10
Ballabgarh	0	401	401	333	68
Bhiwani	0	24	24	15	9
Dharuhera	0	128	128	108	20
Mahendergarh	0	0	0	0	0
Faridabad	0	170	170	137	33
Gurugram (N)	0	329	329	255	74
Gurugram (S)	0	406	406	317	89
Hisar	0	74	74	34	40
Kaithal	0	23	23	15	8
Karnal	0	61	61	45	16
Kurukshetra	0	16	16	12	4
Nuh	0	27	27	22	5
Palwal	0	97	97	82	15
Panchkula	0	48	48	36	12
Panipat	16	173	189	123	66
Sonepat	0	371	371	271	100
Yamuna Nagar	0	74	74	57	17
Total	**16**	**2504**	**2520**	**1924**	**596**

11.2 Status of units registered for recycling/re-processing of Hazardous Waste during the year 2021-2022

Region	Total no. of Authorized		Total Quantity
	Recycler	Utilizer	
Ambala	1	0	450 MTA
Bahadurgarh	72	0	132774 MTA and 39878 KLA
Ballabgarh	2	5	Recycler- 3478 MTA Utilize- 147220 MTA
Dharuhera	3	0	15197 MTA and 2199 KL
Hisar	26	0	66819.3 MTA
Kaithal	19	16	34367MTA
Karnal	10	6	Recycler – 90390.44 MTA Utilizer – 14140.6 MTA
KKR	2	0	16600 MTA
Sonepat	17	0	3951.239 MTA
Yamuna Nagar	10	0	65550.80MTA
Panchkula	10	0	37858 MTA and 4800 KLA
Total	172	27	

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

Every trader desirous of importing 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 Committee on a quarterly basis.

There are total 79 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 the Haryana Environment Management Society with the assistance of State Govt. and this Board, and is being operated by M/s Gujarat Enviro Protection and Infrastructure (Haryana) (P) ltd.

Waste processing capacity of the facility is 25,000 MT per annum, including disposal in secured landfill and incineration having incinerator capacity of 12 to 14 tons per day.

The details of hazardous waste received, processed and disposed during the year 2021-22 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	1415.92
Quantity of Hazardous Waste Received	For Landfill	21879.4
	For Incineration	17681.2
Quantity of Hazardous Waste Disposed	Landfillable	21879.4
	Incinerable	0
Quantity in Stock at the end of the year	Landfillable	0
	Incinerable	28.607
Cumulative HW dispoded in SLF by the end of financial year	SLF	21879.4
	Incinerator	
Capacity	Incinerator (Kcal)	2.5Millon (Not in operation Plant dismantled)
	Incinerator (T/H)	0
	Landfill (MT/A)	0

Annual Report under Hazardous Waste Management Rules

The Annual Report for the year 2021-22 under Hazardous Waste (M&TM) Rules, 2016showing 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 authorization	Number of HW units submitted annual returns	Authorized quantity of Hazardous Waste (Metric Tonne)				Total Quantity	Quantity of Hazardous Waste generated as per Annual Return within the State/UT (MT)				Total Quantity
					Landfillable	Incinerable	Recyclable	Utilization		Landfillable	Incinerable	Recyclable	Utilization	
1	Karnal	135	135	135	170.0162	371.1307	5.8392	0	546.9861	154.091	144.73	12.569	0	311.39
2	Yamuna nagar	153	153	153	409.125	222.51	20481.2	0	21112.835	159.11	45.03	41.0823	0	42843.78
3	Hisar	68	68	68	304.75	3	44090.24	36170.5	80568.49	69.35	2.08	20301.52	0	20372.95
4	Fatehabad	16	16	16	31.24	0	9230	13540	22801.24	3.15	0	2232.61	0	2235.76
5	Sirsa	20	20	20	34.13	0.27	7555	0	7589.4	21.3	0.25	1124.44	0	1145.99
6	Bhiwani	31	31	31	63.67	0	7.81	0	71.48	63.67	0	7.81	0	71.48
7	Dadri	9	9	9	0	0	3.5	0	3.5	0	0	3.5	0	3.5
8	Panipat	470	470	470	7702.8936	215	5449.2154	0	13367.109	3012.105	183.43	4489.175	0	7684.71
9	Nuh	52	52	52	1712.3	850	72.182	42992	45626.482	83.63	694.647	36.12	6372.512	7186.909
10	Palwal	163	163	160	2187.553	1000	343	700	4230.553	1576.569	863.568	45.5	649.652	2485.637
11	Ballabgarh	776	776	749	4224.01	1210.00	626.00	0	6060.01	2956.80	1089.0	406.00	0	4451.80
12	Panchkula	141	141	141	310.372	104.8	561.23	0	976.402	71	29	286	0	286
13	Sonipat	960	960	960	49311.06	22338.3	230218.9	0	301868.26	3337.56	2029.69	67311.36	0	72678.61

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							1		8		2			2
14	Ambala	107	107	15	436.167	4477	1428.345	0	6341.512	380.11	3620.941	1.0666	0	4002.1176
15	Jind	45	45	45	20	0	25100	36610	61730	14	0	15000	14000	29014
16	Kaithal	13	13	13	8	0	7380	3260	10648	3	0	2227	3140	5370
17	Gurugram (S)	944	944	944	13600.88	7066.893	29651	13843.9	66994.673	2170	4531.68	5088	6024.02	17813.7
18	Rewari	279	279	279	6417	7610.6	20161.5	550	34739.1	4686.26	3320.07	1974.632	330.5	10311.46
19	Mahendergarh	5	5	5	0	15	2201.5	0	2216.5	0	2.23	855.22	0	857.45
20	Faridabad	286	286	249	1112.4815	1043.745	366.84	0	2523.0665	1033.3	928.8	6.93	0	1969.03
21	Jhajjar	240	240	240	521.1485	239.51	93.022	0	853.6805	415.0911	225.7513	87.3876	0	728.23
22	Rohtak	134	134	134	1330.69	1506.4	232.23	12	3081.32	3534.0139	1532.751	30.6551	11.75	5109.17
23	GRN	647	647	647	1368.234	11830.37	2365.775	3651.44	19215.821	53.93	7714.2	1397.26	960.65	10126.04
24	Kurukshetra	60	60	60	154.001	37.35	219.5	0	410.851	111.74	26.37	150.21	0	288.32
	Total	**5754**	**5754**	**5595**	**91429.7218**	**58931.9**	**407217.839**	**15132 9.84**	**707517.269**	**20952.98**	**25895.22**	**122710.048**	**30839.432**	**242896.24**

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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 wastage of precious resources and damage to the environment.

Electronic waste or e-waste may be defined as discarded computers, office electronic equipment, entertainment device, electronics, mobile phones, television sets, and refrigerators. This includes used electronics which are destined for reuse, resale, salvage, recycling, or disposal as well as re-usable (working and repairable electronics) and secondary scrap (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 the 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. 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 the State Pollution Control Boards.

12.1 Detail of units Registered for Dismantling & Recycling of E-Waste during the year 2021-2022

Region	Total no. of Authorized		Total Authorized Quantity (MT)	
	Recycler	Dismantler	Recycling	Dismantling
Ambala	0	3	0	693.663
Bahadurgarh	1	5	5000	17440
Ballabgarh	2	8	47.77	10.206
Bhiwani	0	0	0	0
Dharuhera	0	0	0	0
Faridabad	1	1	1	5796
Gurugram (N)	0	1	0	1
Gurugram (S)	5	12	13143377	7350
Karnal	0	0	0	0
Kaithal	1	0	4	0
Kurukshetra	0	1	0	600
Hisar	0	0	0	0
Nuh	0	0	0	0
Palwal	0	0	0	0
Panipat	4	3	29680	30820
Sonepat	3	3	10547.165	10037.5
Panchkula	0	1	0	3600
Yamuna Nagar	0	0	0	0
Total	**38**	**38**	**13188656.935**	**76348.369**

12.2 Detail of E-Waste collection as per Annual Report of E-Waste during the year 2021-2022

Number of authorized manufacturer, refurbisher, collection centre, dismantler and recycler for management of e-waste in the state under e-waste Rules, 2016	50 + (2 closed)
Categories of waste collected along with their quantities on a monthly average basis	Category-I - 3542.253 Category-II - 16507.16 Others - 368.5721
Quantity of CFL received at treatment, storage and disposal facility	1.69567 MT

CHAPTER 13: BIO-MEDICAL WASTE RULES, 2016

13.1 General

Bio-medical Waste (Management) Rules, 2016 were notified by the Ministry of Environment & Forests (MoEF&CC) 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 during the year 2021-2022

Region	Applications pending as on 31.03.2021	Applications received during 2021-22	Total Applications received	Decided	
				Granted	Refused
Ambala	0	64	64	43	21
Bahadurgarh	0	111	111	92	19
Ballabgarh	0	102	102	76	26
Bhiwani	0	107	107	73	34
Dharuhera	0	108	108	59	49
Mohindegarh	0	0	0	0	0
Faridabad	0	170	170	96	74
Gurugram (N)	0	320	320	251	69
Gurugram (S)	0	43	43	31	12
Hisar	0	493	493	360	133
Kaithal	0	151	151	135	16
Karnal	0	121	121	67	54
Kurukshetra	0	55	55	33	22
Nuh	0	32	32	9	23
Palwal	0	72	72	42	30
Panchkula	0	71	71	53	18
Panipat	10	105	115	85	30
Sonepat	0	143	143	96	47
Yamuna Nagar	0	147	147	107	40
Total	**10**	**2415**	**2425**	**1708**	**717**

13.3 Service Providers authorized under Bio Medical Waste Rules, 2016 during the year 2021-2022

The list of service providers authorized under the 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.)
Ambala	1.	Rudraksh Enviro Care Pvt., Limited, Village Barogh, Tehsil Naraingarh Distt. Ambala	Incinerator – 150 Kg/hr Autoclave- 200 Kg/hr Shredder- 250 Kg/hr Sharps Encapsulating or concrete per - 01 concrete pits ETP- 5 KL/day
Panchkula	3.	Ess kay Hygienic Service, Vill- Bagwala, District- Panchkula	150 kg/hr.
Faridabad	4.	Golden Eagle waste management, vill. Jasana, Faridabad	100 kg/hr
Bahadurgarh	5.	S.D. Bio Medical Eagle waste management Co. Vill-Baland Distt.-Rohtak	Incinerator 1(100Kg/h) Autoclave 1(50kg/batch) Deep 0 Burial: 0 Any other: Shredder-1(50-60 kg/h) Sharp encapsulation-1 (250 block/moth) ETP – 1(2.5 KLD)
Bhiwani	6.	Maruti Bio- Medica Waste Plant VPO-Hetampura, Distt. Bhiwani	Incinerator- 800 kg/day Autoclave – 500 kg/day Shredder- 500 kg/day Total = 230 Kg/h ETP Capacity = 1KL/Cycle
Gurugram(S)	7.	Biotic Waste Ltd formerly known as Vulcan Waste Management Pvt. Ltd, Plot No-725, Sector-37, Pace City-II, Gurugram	20 Ton
Hisar	8.	Synergy Waste Management Pvt. Ltd., 168, Sec-27-28, HUDA Ind. Area, Hisar	Incinerator: 401.4 KG/day Autoclave: 2016.6KG/day Shredder: 147.7 KG/day
	9.	Invision Enviro Services, Vill. Phulkan, Distt. Sirsa	Incinerator: 143.6 KG/day Autoclave: 73.77 KG/day Shredder: 65.7 KG/day
	10.	Surya Waste Management, Sahuwala Road, Vill. Chadiwal, Distt. Sirsa	Incinerator: 48.4 KG/day Autoclave: 25 KG/day Shredder: 19.31 KG/day

Karnal	11.	Haat Supreme Wastech (P) Ltd., Vill. Bajida Jattan, Karnal	Incinerator- 1680 Kg/day Autoclave – 325 Kg/day Shredder- 1200 Kg/day Any other; i.e. ETP – 600 Ltr/hr
Kaithal	12.	Divya Waste management Co. VPO Kandela, Jind	100 (Kg/Hr.) (incinerator)

13.4 Status of Bio Medical Waste Management during the year 2021-2022

Sr. no.	Particulars	Total
1.	Total No. of Health Care Facilities/ Occupiers	6898
I.	Bedded Hospital & Nursing Home (bedded	3428
II.	Clinics, Dispensaries	2172
III.	Veterinary institutions	96
IV.	Animal Houses	15
V.	Pathology Laboratories	902
VI.	Blood Banks	34
VII.	Clinical Establishment	263
VIII.	Research institutions	12
IX.	AYUSH	3
2.	Total No. of Beds	63509
3.	**Status of Authorization**	
I.	Total No. of Occupiers applied for Authorization	5709
II.	Total No. of Occupiers Granted Authorization	5588
III.	Total No. of application under consideration	6
IV.	Total No. of application rejected	115
V.	Total No. of Occupiers in operation without applying for authorization	179(During inventorization of HCFs179 HCFs found operational without authorization, SCN issued under BMW Rules 2016)
4.	Quantity of generation Bio Medical Waste Generation (in Kg/day)	21436
I.	Bio-medical waste generation by bedded hospital (in kg/day)	15653.5
II.	Bio-medical waste generation by non bedded hospital (in kg/day)	5722.47
III.	Any other	60
5.		
a.	Bio-medical waste treatment & disposal by Common Bio Medical Waste Treatment Facility	
i.	Number of Common Bio Medical Waste Treatment Facility in operation	11
ii.	Number of Common Bio Medical Waste Treatment Facility under construction	0
iii.	Total Bio-medical waste treated in kg/day	21436
iv.	Total Bio-medical waste disposed through authorized recycler (in kg/day)	2573 32
6.	Total number of violation by	179

Sr. no.	Particulars	Total
i.	Healthcare Facilities (bedded and non bedded)	
ii.	Commcn Bio Medical Waste Treatment Facilities	11
7.	Show Cause Notice/ direction issued to defaulter	179
i.	Common Bio Medical Waste Treatment Facilities	0
ii.	Other	0
8.	Any other relevant information	
i.	Number of workshop/ trainings conducted during the year	81
ii.	Number of occupiers installed liquid waste treatment facility	130 (Remaining 3298 HCFs are connected with terminal treatment facility and discharging into public sewer)
iii.	Number of captive incinerators complying to the norms -	0
iv.	Number of occupiers organized trainings	377
v.	Number of occupiers constituted bio-medical waste management committees	349
vi.	Number of occupiers submitted Annual Report for the previous calendar year	4910
Vii.	Number of occupiers practicing pre-treatment of lab micro biology and bio technology waste	1137
viii.	Number of Common Bio Medical Waste Treatment Facility that have installed continuous Online Emission Monitoring System	11

CHAPTER 14: BATTERIES RULES, 2001

14.1 General

Battery 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 attend of its life) potassium hydroxide or sodium hydroxide or ammonium chloride or zinc chloride or sulfuric acid or pressurized sulfur dioxide gas or thinly 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 the 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 the manufacture, processing, sale, purchase and use of batteries or components thereof.

14.2 Status of Registration under Batteries (M & H) Rules, 2001 during the year 2021-2022

1. Number of Manufacturer units	6
2. Number of Assembler units	14
3. Number of Importer units	2
4. Number of Bulk Consumer	49
5. Number of Recycler units	44
6. Number of E- Auctioneers	0

14.3 Status of dealers & their status of Authorization / Registration during the year 2021-2022

Region	Number of Units registered
Ambala	0
Bahadurgarh	45
Ballabgarh	0
Bhiwani	0

Dharuhera	0
Gurugram (N)	13
Gurugram (S)	1
Karnal	2
Panchkula	7
Sonepat	2
Yamuna Nagar	6
Faridabad	0
Kaithal	18
Kurukshetra	8
Hisar	9
Palwal	0
Nuh	0
Panchkula	7
Panipat	0
Total	**118**

CHAPTER 15: PLASTIC WASTE RULES, 2016

15.1 General

Plastic has multiple uses and their physical and chemical properties lead to commercial success. However, 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 the environment vis-a-vis soil, water bodies, water courses, etc and it takes an average of one thousand years to decompose them. 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 during the year 2021-2022

Sr. no.	Description	Status
1	Estimated plastic waste generation tons per Annum	179406.47
2	No. of Plastic manufacturing units (including multilayer, compostable plastic units).	1. Producer &Brand owner-100 Includingrecycler-54) 2. Compostableunits-2 3. Multilayer unit-59 Total=161
3	Separate Act/Notification issued, if any for management of plastic waste in the state	25 Feb 2022 by ULBD
4	No. of violations and action taken on non-compliance of provisions of PWM Rules, 2016 as amended (Rule 12)	Challans has done2868 for amount Rs. 26,50,600/- from January to December2021.

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CHAPTER 16: SOLID WASTE MANAGEMENT RULES, 2016

16.1 Solid Waste

Solid-waste management is the collection, treatment, and disposal of solid material that is discarded after it has served its purpose or is no longer useful. Improper disposal of municipal solid waste can create insanitary conditions, and these conditions, in turn, can lead to pollution of the environment and to outbreaks of vector-borne disease—that is, diseases spread by rodents and insects. The tasks of solid-waste management present complex technical challenges. They also pose a wide variety of administrative, economic, and social problems that must be managed and solved.

With the ever increasing population and urbanization, the waste management has emerged as a huge challenge in the country. Not only the waste has increased in quantity, but the characteristics of waste have also changed tremendously over a period, with the introduction of so many new gadgets and equipment.

Urban local bodies in the state of Haryana are doing collection of domestic, trade and institutional food/ biodegradable waste from the doorstep or from the community bin on daily basis. Local bodies are using containerized handcarts/tricycles/ Tractor Trolly / Refuse Compactor or other similar means for the primary collection of waste stored at various sources of waste generation. The solid waste thus collected from households and other sources is transported to Primary Collection Centre (PCC), where the waste would be primarily segregated i.e. recyclables sorted out by the workers and stored separately. For secondary transportation of solid waste from the Primary Collection Centre (PCC) to the designated processing plant site or sanitary landfill site/ dumping sites, "Dumper Placers with twin bin containers" are provided.

Presently in the State, there are (3 plants in 3 MCs 2500 Composting Pits in 76 MCs), (10 nos. Vermi Composting Facilities), (3 nos Bio Gas Plant) and (3 plant waste to compost +RDF in 3 MCs.). Rejects and residues collected from the above mentioned processes are disposed in dumping sites and further proposed to be processed for energy recovery.

16.2 Status of implementation of Solid Waste Management Rules, 2016 during the year 2021-2022

1. **Towns/cities:-**
   - i. Total number of towns/cities 89
   - ii. Total number of ULBs 89

iii.	Number of class I & class II cities/towns	29

2. Solid Waste Generation status

i.	Solid waste generation in the state (TPD)	8766
ii.	Collected (TPD)	6691.13
iii.	Treated (TPD)	4297.4
iv.	Land filled/Dumped (TPD)	2218.18
v.	Landfill constructed	6
vi.	Landfill in operation	3
vii.	Landfill exhausted	3
viii.	Landfill sites identified	6 Existing and 12 proposed

3. Compliance to Schedule I of SW Rules

i.	House-to-house collection	97.62%
ii.	Segregation	70%
iii.	Covered transportation	84%

4. Processing facility under installation / planned

Total 13 Integrated Solid Waste Management clusters have been formed in Haryana. Out of 13 clusters, 2 wastes to energy clusters namely Sonepat, Panipat and Gurugram- Faridabad WTE are under implementation. Sonepat- Panipat (700 TPD) waste to energy plant is completed on 15, August, 2021 and is operational. Gurugram- Faridabad plant could not be started due to land constrains. Now, EC has been obtained for Gurugram-Faridabad cluster and land is being reclaimed for setting up of a plant. The work of Construction of Plant is started from December, 2021 and likely to be commissioned by December, 2023.

Remaining 11 clusters are based on open technology and the selected agency to decide the technology. 4 of which are under approval from committee of Secretary for Infrastructure and tenders for remaining will be invited soon.

CHAPTER 17: REDRESSAL OF PUBLIC COMPLAINTS

17.1 Status of Public Complaints received and disposed off during the year 2021-2022

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	7	21	0	28	7	21	0	28	0	0	0	0
Bahadurgarh	44	29	65	138	44	29	65	138	0	0	0	0
Ballabgarh	0	3	16	19	0	1	16	17	0	2	0	2
Bhiwani	8	33	1	42	8	33	1	42	0	0	0	0
Dharuhera	0	23	7	37	0	23	07	37	0	0	0	0
Faridabad	59	15	132	206	59	11	129	199	0	4	3	7
Kaithal	30	17	5	52	30	16	5	51	0	1	0	1
Gurugram (N)	9	8	18	35	9	6	18	33	0	2	0	2
Gurugram (S)	17	12	30	59	15	11	29	55	2	1	1	4
Hisar	15	38	12	65	15	38	12	65	0	0	0	0
Karnal	24	27	0	51	24	27	0	51	0	0	0	0
Kurukshetra	0	9	1	10	0	7	1	8	0	2	0	2
Nuh	1	8	13	22	1	8	13	22	0	0	0	0
Palwal	1	14	6	21	1	14	6	21	0	0	0	0
Panchkula	0	12	0	12	0	12	0	12	0	0	0	0
Panipat	10	73	77	160	10	73	77	160	0	0	0	0
Sonepat	13	32	15	60	13	32	15	60	0	0	0	0
Yamuna Nagar	7	70	16	93	7	70	16	93	0	0	0	0
Total	**245**	**444**	**414**	**1110**	**243**	**432**	**410**	**1092**	**2**	**12**	**4**	**18**

98/100

CHAPTER 18: PUBLIC HEARING UNDER EIA NOTIFICATION

18.1 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 a 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 granting Environmental Clearance to the project proponents under EIA Notification dated 14.09.2006.

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

18.2 Details of the Public Hearings organized by the Board during the year 2021-2022

Name of the Region	Number of projects where public Hearing organized
Ambala	2
Bahadurgarh	2
Ballabgarh	0
Bhiwani	0
Dharuhera	0
Gurugram (N)	1
Gurugram (S)	0
Hisar	0
Karnal	1
Kaithal	0
Kurukshetra	1
YMN	5
Panipat	2
Sonepat	0
Faridabad	1
Palwal	0
Nuh	0
Panchkula	1
YMN	5
Total	**21**

CHAPTER 19: RIGHT TO INFORMATION ACT, 2005

19.1 General

The Right to Information Act (RTI) requires every public authority to computerize 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 information on the website of the Board i.e. www.hspcb.gov.in in compliance of section 4 of RTI Act, 2005.

19.2 Details of Applications received and disposed as on 31.03.2022

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	37	37	0	0	0
Bahadurgarh	40	40	0	50	0
Ballabgarh	47	47	0	250	0
Bhiwani	26	26	0	100	0
Dharuhera	64	64	0	920	0
Faridabad	62	62	0	60	430
Gurugram (N))	63	63	0	420	0
Gurugram (S)	60	57	3	150	0
Hisar	42	42	0	200	0
Karnal	52	52	0	360	2320
Kaithal	60	60	0	120.00	310.00
Kurukshetra	18	18	0	0	0
Nuh	15	15	0	0	0
Palwal	13	13	0	0	0
Panchkula	45	45	0	0	100
Panipat	67	67	0	1115	4315
Sonepat	47	47	0	130	100
Yamuna Nagar	68	68	0	750	0
Total	**826**	**823**	**3**	**4625**	**7575**

b) By Head Office of the Board

Total 193 applications under the Right to information Act, 2005 were received in Head Office during the year 2021-22 193 applications were disposed off upto 31.03.2022 during the year 2021-22. ₹1400/- was collected as fee for RTI applications, whereas ₹7878/- was collected on account of charges for providing additional documents to the applicants.

CHAPTER 20: INCOME & EXPENDITURE STATEMENT (UNAUDITED)

20.1 Details of Expenditure & Receipts (unaudited) for the Financial Year 2021-22

Details of Expenditure (unaudited) for the Financial Year 2021-22

Sr. No.		Head of Account	Expenditure (01.4.2021 to 31.3.2022)
		Expenditure	**(In Crore)**
(A)		**SALARIES**	
1	(i)	Pay and Allowances Technical/Scientific Staff & Ministerial Staff	28.93
2	(i)	Medical Expenses Technical/Scientific Staff & Ministerial Staff	0.45
3	(i)	Travelling Allowance Technical/Scientific Staff & Ministerial Staff	0.11
		Sub Total =	**29.49**
(B)		**OFFICE EXPENSES**	
1		Office Expenses	7.93
2		Legal Expenses	0.35
3		Furniture and fixture	0.62
4		Machinery and Equipments	0.05
5		Computerisation of Office	0.21
6		Purchase of Vehicles	0.00
7		Income Tax	0.00
(C)		**Strengthening of existing laboratory and setting up of additional laboratory/Library Books**	0.00
	()	Purchase of CAAQMS	0.88
(D)		**Equipment for Ambient Air Monitoring & stack monitoring Kit**	0.00

(E)	**Development /Extension Activities (advertisement publicity on environment awareness, research & development, Seminar training)**	1.35
(F)	**Financial Assistance for Environmental Improvement Projects.**	0.00
(G)	**Construction of Building/ Purchase of Land.**	6.23
(H)	**Grant in Aid from CPCB** **Grant in Aid (General) control of pollution**	1.91
(I)	**Grand in Aid from CPCB** **5 Continuous Ambient Air Quality Monitoring Station (CAAQMS)(O&M)**	0.00
(J)	**Grant in Aid from CPCB** **Expansion of Real Time Ambient Noise Network in Identified Cities**	0.00
	Sub Total =	**19.53**
(J)	**LOANS AND ADVANCES**	
	Loans and Advances to Staff	0.04
	Sub Total =	**0.04**
(K)	**C.M Relief Fund(Donation)**	**0.00**
	Grand Total =(A+B+C+D+E+F+G+H+I+J+K)	**49.06**

Details of Receipts (unaudited) for the Financial Year 2021-22

Sr. No.	Head of Accounts		Receipt (01.4.2021 to 31.3.2022)
			(Rs. In Crore)
	RECEIPTS/INCOME		
1	Samples Testing Fee		1.70
2	Consent Fee (Water)		21.34
3	Consent Fee (Air)		26.66
4	NOC Fees		6.88
5	Public Hearing		1.37
6	Misc Receipts		
	i) Forfeiture of performance security		0.38
7	Authorization fee/Recognition fee/Appeal fee/Right to Information fee/Misc. receipt		0.71
8	Cess Receipts (from G.O.I.)		0.36
9	Interest on deposits		39.97
10	Refund from Income Tax Department		15.48
11	Grant-in-Aid from Central Pollution Control Board/NAMP/State		0.00
12	**Grant in Aid from CPCB** 5 continuous Ambeint Air Quality Monitoring Station(CAAQMS)	0.64	
13	**Grant in Aid from CPCB** Grant In Aid (General) control of Pollution		4.40
	Total (Sr. No.1 to 13)		119.89

08/108

HARYANA STATE POLLUTION CONTROL BOARD,
C-11, SECTOR 6, PANCHKULA (HARYANA)
WEBSITE: hspcb.gov.in

09/01

Supplementary Agenda
Item No. 195.09

Fixing of discharge standard for Industries at inlet of Common Effluent Treatment Plants (CETPs) in Haryana.

The MOEF has notified the treated effluent quality standards for Common Effluent Treatment plants vide notification No. S.O.4 (E) Dated 01.01.2016 (**ANNEXURE-1**) and mandated that for each CETP, the State pollution control Board will prescribe inlet quality standards for general parameters, Ammoniacal Nitrogen and heavy metals as per design of CETP and local needs and conditions for achieving of the same by constituents units discharging their effluent to CETP.

Further, the State of Haryana has set up 19 CETPs of 190 MLD capacity and accordingly, the Board has fixed the inlet quality standards for discharge by the constituent industries situated in the respective industrial area having CETPs.

HSPCB had published the draft inlet quality standards for the CETPs existing in the state of Haryana proposed by the Technical Advisory Committee of the Board on 29.12.2018 in leading newspapers (**ANNEXURE-2**), to invite the objections/suggestions/comments from the Industries, Industrial Associations and other concerned stake holders.

After taking into consideration the various objections/suggestions/ comments received by the Board on the draft inlet standards, the discharge quality standards for industries at inlet of CETPs in Haryana were prescribed and order was issued vide letter No. HSPCB/SSC/2019/6916-39 dated 28.01.2019 (**ANNEXURE-3**) for achieving of the same by constituents units discharging their effluent into CETP. The same is being implemented by the Board since 2019.

In view of the above the agenda is placed for ex-post facto approval, so that it may be applicable in all pending court cases subsequent to issuance of this order.

09/02
Annexure-1

रजिस्ट्री सं० डी० एल०-33004/99 REGD. NO. D. L.-33004/99

भारत का राजपत्र
The Gazette of India

असाधारण
EXTRAORDINARY
भाग II—खण्ड 3—उप-खण्ड (ii)
PART II—Section 3—Sub-section (ii)
प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं. 4] नई दिल्ली, शुक्रवार, जनवरी 1, 2016/पौष 11, 1937
No. 4] NEW DELHI, FRIDAY, JANUARY 1, 2016/ PAUSA 11 , 1937

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय

अधिसूचना

नई दिल्ली, 1 जनवरी, 2016

का.आ. 4(अ).– केन्द्रीय सरकार, पर्यावरण (संरक्षण) अधिनियम, 1986 (1986 का 29) की धारा 6 और धारा 25 द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए, पर्यावरण (संरक्षण) नियम, 1986 का और संशोधन करने के लिए निम्नलिखित नियम बनाती है, अर्थात् :-

1. संक्षिप्त नाम और प्रारम्भ.—(1) इन नियमों का संक्षिप्त नाम (पर्यावरण) संशोधन नियम, 2015 है।

(2) ये राजपत्र में प्रकाशन की तारीख को प्रवृत्त होंगे।

2. पर्यावरण (संरक्षण) नियम, 1986 की अनुसूची 1 में,-

(क) क्रम संख्या 41 और उससे संबंधित प्रविष्टियों का लोप किया जाएगा;

(ख) क्रम संख्या 55 और उससे संबंधित प्रविष्टियों के स्थान पर, निम्नलिखित क्रम संख्या और प्रविष्टियां रखी जाएंगी:-

क्रम संख्या	उद्योग	पैरामीटर	मानक
(1)	(2)	(3)	(4)
"55.	सामान्य बहि:स्राव उपचार संयंत्र (सीईटीपी)		
	क. अंतर्गम क्वालिटी मानक	प्रत्येक सामान्य बहि:स्राव उपचार संयंत्र (सीईटीपी) के लिए, राज्य बोर्ड सामान्य बहि:स्राव उपचार संयंत्र (सीईटीपी) तथा स्थानीय आवश्यकताओं और दशाओं की अभिकल्पना के अनुसार साधारण पैरामीटर, अमोनियम - नाइट्रोजन और भारी धातुओं के लिए अंतर्गम क्वालिटी मानक विहित करेगा।	

09/03

	ख. उपचारित बहि:स्राव क्वालिटी मानक		अधिकतम अनुज्ञेय मान (पीएच और तापमान के सिवाय मिलीग्राम/लीटर में)		
			अंतर्देशीय भूपृष्ठ-जल में	सिंचाई के लिए भूमि पर	समुद्र में
		साधारण पैरामीटर			
		पीएच	6-9	6-9	6-9
		जैव आक्सीजन मांग, बीओडी$_3$, 27° सेंटीग्रेड	30	100	100
		रासायनिक आक्सीजन मांग (सीओडी)	250	250	250*
		कुल निलंबित ठोस पदार्थ (टीएसएस)	100	100	100
		नियत विघटित ठोस पदार्थ (एफडीएस)	2100*	2100*	एनएस'
		विनिर्दिष्ट पैरामीटर			
		तापमान,° सेंटीग्रेड	परिवेशी जल तापमान के ऊपर 5'सेंटीग्रेड से अधिक नहीं होगा	परिवेशी जल तापमान के ऊपर 5'सेंटीग्रेड से अधिक नहीं होगा	परिवेशी जल तापमान के ऊपर 5'सेंटीग्रेड से अधिक नहीं होगा
		तेल और ग्रीज	10	10	10
		अमोनियामय नाइट्रोजन	50	एनएस'	50
		कुल जैलडेहल नाइट्रोजन (टीकेएन)	50	एनएस'	50
		नाइट्रेट नाइट्रोजन	10	एनएस'	50
		फास्फेट, पी के रूप में	5	एनएस'	एनएस'
		क्लोराइड	1000	1000	एनएस'
		सल्फेट एसओ$_4$ के रूप में	1000	1000	एनएस'
		फ्लोराइड	2	2	15
		सल्फाइट, एस के रूप में	2	2	5
		फैनोलिक यौगिक मिश्रण	1	1	5

		(सी6एच5ओएच) के रूप में			
		योग अवशिष्ट क्लोरीन	1	1	1
		जस्त	5	15	15
		लौहा	3	3	3
		तांबा	3	3	3
		त्रिसंयोजक क्रोमियम	2	2	2
		मैगनीज	2	एनएस*	2
		निकिल	3	एनएस*	3
		आर्सेनिक	0.2	एनएस*	0.2
		साइनाइड सीएन के रूप में	0.2	एनएस*	0.2
		वेनेडियम	0.2	एनएस*	0.2
		सीसा	0.1	एनएस*	0.1
		हैक्सावेलेंट क्रोमियम	0.1	एनएस*	0.1
		सेलेनियम	0.05	एनएस*	0.05
		कैडमियम	0.05	एनएस*	0.05
		पारा	0.01	एनएस*	0.01
		जैव आमापन परीक्षण	उद्योग विनिर्दिष्ट मानकों के अनुसार	उद्योग विनिर्दिष्ट मानकों के अनुसार	उद्योग विनिर्दिष्ट मानकों के अनुसार

एनएस* विनिर्दिष्ट नहीं है

टिप्पण:

1. *समुद्र में उपचारित बहि:स्राव का निस्सरण उचित समुद्री मुहाने के माध्यम से होगा । विद्यमान अपतट निस्सरण समुद्री मुहाने में संपरिवर्तित किया जाएगा । उन मामलों में जहां निस्सरण के बिंदु पर समुद्री मुहाना 150 गुणा न्यूनतम आरंभिक तनुकरण का और निस्सारण बिंदु से 100 मीटर दूर किसी बिंदु पर 1500 गुणा न्यूनतम तनुकरण का उपबंध करता है वहां राज्य बोर्ड सीओडी सीमा में छूट दे सकेगा :

परंतु उपचारित बहि:स्राव में रासायनिक आक्सीजन मांग के लिए अधिकतम अनुज्ञेय मान 500 मिलिग्राम/लीटर से अधिक नहीं होगा ।

2. @सामान्य बहि:स्राव उपचार संयंत्र (सीईटीपी) की संघटक यूनिटों द्वारा अधिकतम अनुज्ञेय योगदान नियत विघटित ठोस पदार्थ(एफडीएस) 1000 मिली ग्राम/लीटर होगा । उन मामलों में जहां संघटक यूनिटों द्वारा प्रयोग किए गए कच्चे पानी में नियत विघटित ठोस पदार्थ (एफडीएस) पहले से ही अधिक है (अर्थात् यह 1100 मिली ग्राम/लीटर से अधिक है) वहां उपचारित बहि:स्राव में नियत विघटित ठोस पदार्थ (एफडीएस) के लिए अधिकतम अनुज्ञेय मान राज्य बोर्ड द्वारा तदनुसार उपांतरित किया जाएगा ।

3. सिंचाई के लिए भूमि पर उपचारित बहि:स्राव के निस्सारण की दशा में, मृदा और भूजल क्वालिटी पर समाघात सामान्य बहि:स्राव उपचार संयंत्र (सीईटीपी) प्रबंध द्वारा वर्ष में दो बार (मानसून से पूर्व और उसके पश्चात्) मानीटर किया जाएगा । सिंचाई के लिए भूमि पर उपचारित बहि:स्राव और मल जल के संयुक्त निस्सारण के लिए, मलजल के साथ मिश्रण अनुपात राज्य बोर्ड द्वारा विहित किया

09/05

	जाएगा ।
	4. सेक्टर विनिर्दिष्ट मानकों से चयनित कुछ महत्वपूर्ण सेक्टरों के लिए विनिर्दिष्ट पैरामीटर ।

सेक्टर	विनिर्दिष्ट पैरामीटर
टैक्सटाइल	जैव आपन परीक्षण, कुल क्रोमियम, सल्फाइड, फैनोलिक यौगिक मिश्रण
इलैक्ट्रोप्लेटिंग उद्योग	तेल और ग्रीज, अमोनिया, नाइट्रोजन, निकिल, हैक्सावेलेंट क्रोमियम, कुल क्रोमियम, तांबा, जस्त, सीसा, लोहा, कैडमियम, सायनाइड, फ्लोराइड, सल्फाइड, फास्फेट, सल्फेट
चर्म शोधनशाला	सल्फाइड, कुल क्रोमियम, तेल और ग्रीज, क्लोराइड
रंजक और रंजक इंटरमिडिएट	तेल और ग्रीज, फैनोलिक यौगिक मिश्रण, कैडमियम, तांबा, मैगनीज, सीसा, पारा, निकिल, जस्त, हैक्सावेलेंट क्रोमियम, कुल क्रोमियम, जैव-आमापन परीक्षण, क्लोराइड, सल्फेट
जैविक रासायनिक विनिर्माण उद्योग	तेल और ग्रीज, जैव-आमापन परीक्षण, नाइट्रेट, आर्सेनिक, हैक्सावेलेंट क्रोमियम, कुल क्रोमियम, सीसा, साइनाइड, जस्त, पारा, तांबा, निकिल, फैनोलिक यौगिक मिश्रण, सल्फाइड
भेषजी उद्योग	तेल और ग्रीज, जैव-आमापन परीक्षण, पारा, आर्सेनिक, हैक्सावेलेंट क्रोमियम, सीसा, साइनाइड, फैनोलिक यौगिक मिश्रण, सल्फाइड, फास्फेट

[फा.सं. क्यू-15017/18/2014-सीपीडब्ल्यू]
डा. राशिद हसन, सलाहकार

टिप्पण: मूल नियम भारत के राजपत्र, असाधारण, भाग II, खंड 3, उपखंड (i) में का.आ. सं. 844(अ), तारीख 19 नवंबर, 1986 द्वारा प्रकाशित किए गए थे और तत्पश्चात उनमें निम्नलिखित अधिसूचनाओं के द्वारा संशोधन किए गए :

का.आ. सं. 433(अ), तारीख 18 अप्रैल, 1987; सा.का.नि. सं. 176(अ), तारीख 2 अप्रैल, 1996; सा.का.नि. सं. 97(अ), तारीख 18 फरवरी, 2009; सा.का.नि. सं. 149(अ), तारीख 4 मार्च, 2009; सा.का.नि. सं. 543(अ), तारीख 22 जुलाई, 2009; सा.का.नि. सं. 739(अ), तारीख 9 सितंबर, 2010; सा.का.नि. सं. 809(अ), तारीख 4 अक्तूबर, 2010; सा.का.नि. सं. 215(अ), तारीख 15 मार्च, 2011; सा.का.नि. सं. 221(अ), तारीख 18 मार्च, 2011; सा.का.नि. सं. 354(अ), तारीख 2 मई, 2011; सा.का.नि. सं. 424(अ), तारीख 1 जून, 2011;

सा.का.नि. सं. 446(अ), तारीख 13 जून, 2011; सा.का.नि. सं. 152(अ), तारीख 16 मार्च, 2012; सा.का.नि. सं. 266(अ), तारीख 30 मार्च, 2012; सा.का.नि. सं. 277(अ), तारीख 31 मार्च, 2012; सा.का.नि. सं. 820(अ), तारीख 9 नवंबर, 2012; सा.का.नि. सं. 176(अ), तारीख 18 मार्च, 2013; सा.का.नि. सं. 535(अ), तारीख 7 अगस्त, 2013; सा.का.नि. सं. 771(अ), तारीख 11 दिसंबर, 2013; सा.का.नि. सं. 2(अ), तारीख 2 जनवरी, 2014; सा.का.नि. सं. 229(अ), तारीख 28 मार्च, 2014; सा.का.नि. सं. 232(अ), तारीख 31 मार्च, 2014; सा.का.नि. सं. 325(अ), तारीख 7 मई, 2014; सा.का.नि. सं. 612(अ), तारीख 25 अगस्त, 2014; सा.का.नि. सं. 789(अ), तारीख 11 नवंबर, 2014; और अंत में अधिसूचना का.आ. सं. 3305(अ), तारीख 7 दिसंबर, 2015 द्वारा संशोधन किए गए थे।

MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

NOTIFICATION

New Delhi, the 1st January, 2016

S.O. 4(E).—In exercise of the powers conferred by sections 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government hereby makes the following rules further to amend the Environment (Protection) Rules, 1986, namely:—

1. **Short title and Commencement.**—(1)These rules may be called the Environment (Protection) Amendment Rules, 2015.

(2) They shall come into force on the date of their publication in the Official Gazette.

2. In the Environment (Protection) Rules, 1986, in Schedule-I,—

(a) the serial number 41 and the entries relating thereto, shall be omitted;

(b) for serial number 55 and the entries relating thereto, the following serial number and entries shall be substituted, namely:—

S. No.	Industry	Parameter	Standards		
(1)	(2)	(3)	(4)		
"55.	**Common Effluent Treatment Plants(CETP)**				
	A. Inlet Quality Standards	For each Common Effluent Treatment Plant (CETP), the State Board will prescribe Inlet Quality Standards for General Parameters, Ammonical-Nitrogen and Heavy metals as per design of the Common Effluent Treatment Plant (CETP) and local needs & conditions.			
	B: Treated Effluent Quality Standards		Max. permissible values (in milligram/litre except for pH and Temperature)		
			Into inland surface water	On land for irrigation	Into sea
		General Parameters			
		pH	6 - 9	6 - 9	6 - 9
		Biological Oxygen Demand, BOD_3, 27 °C	30	100	100
		Chemical Oxygen Demand (COD)	250	250	250*
		Total Suspended Solids (TSS)	100	100	100
		Fixed Dissolved Solids (FDS)	2100@	2100@	NS*

09/07

		Specific parameters			
		Temperature, °C	Shall not exceed more than 5°C above ambient water temperature	Shall not exceed more than 5°C above ambient water temperature	Shall not exceed more than 5°C above ambient water temperature
		Oil & Grease	10	10	10
		Ammonical –Nitrogen	50	NS*	50
		Total Kjeldahl Nitrogen (TKN)	50	NS*	50
		Nitrate- Nitrogen	10	NS*	50
		Phosphates, as P	5	NS*	NS*
		Chlorides	1000	1000	NS*
		Sulphates, as SO_4	1000	1000	NS*
		Flouride	2	2	15
		Sulphides, as S	2	2	5
		Phenolic compounds (as C_6H_5OH)	1	1	5
		Total Res. Chlorine	1	1	1
		Zinc	5	15	15
		Iron	3	3	3
		Copper	3	3	3
		Trivalent Chromium	2	2	2
		Manganese	2	NS*	2
		Nickel	3	NS*	3
		Arsenic	0.2	NS*	0.2
		Cyanide, as CN	0.2	NS*	0.2
		Vanedium	0.2	NS*	0.2
		Lead	0.1	NS*	0.1
		Hexavalent Chromium	0.1	NS*	0.1
		Selenium	0.05	NS*	0.05
		Cadmium	0.05	NS*	0.05
		Mercury	0.01	NS*	0.01
		Bio-assay test	As per industry-specific standards	As per industry-specific standards	As per industry-specific standards

*NS-Not specified

Notes:

1. *Discharge of treated effluent into sea shall be through proper marine outfall. The existing shore discharges shall be converted to marine outfalls. In cases where the marine outfall provides a minimum initial dilution of 150 times at the point of discharge and a minimum dilution of 1500 times at a point 100 m away from discharge point, then, the State Board may relax the Chemical Oxygen Demand (COD) limit:

Provided that the maximum permissible value for Chemical Oxygen Demand (COD) in treated effluent shall be 500 milligram/litre.

2. *Maximum permissible Fixed Dissolved Solids (FDS) contribution by constituent units of a Common Effluent Treatment Plant (CETP) shall be 1000 milligram/litre. In cases where Fixed Dissolved Solids (FDS) concentration in raw water used by the constituent units is already high (i.e. it is more than 1100 milligram/litre) then the maximum permissible value for Fixed Dissolved Solids (FDS) in treated effluent shall be accordingly modified by the State Board.

3. In case of discharge of treated effluent on land for irrigation, the impact on soil and groundwater quality shall be monitored twice a year (pre- and post-monsoon) by Common Effluent Treatment Plants (CETP) management. For combined discharge of treated effluent and sewage on land for irrigation, the mixing ratio with sewage shall be prescribed by State Board.

4. Specific parameters for some important sectors, selected from sector-specific standards

Sector	Specific Parameters
Textile	Bio-assay test, Total Chromium, Sulphide, Phenolic compounds
Electroplating Industries	Oil & Grease, Ammonia-Nitrogen, Nickel, Hexavalent Chromium, Total Chromium, Copper, Zinc, Lead, Iron, Cadmium, Cyanide, Fluorides, Sulphides, Phosphates, Sulphates,
Tanneries	Sulphides, Total Chromium, Oil & Grease, Chlorides
Dye & Dye Intermediate	Oil & Grease, Phenolic compounds, Cadmium, Copper, Manganese, Lead, Mercury, Nickel, Zinc, Hexavalent Chromium, Total Chromium, Bio-assay test, Chlorides, Sulphates,
Organic chemicals manufacturing industry	Oil & Grease, Bio-assay test, Nitrates, Arsenic, Hexavalent Chromium, Total Chromium, Lead, Cyanide, Zinc, Mercury, Copper, Nickel, Phenolic compounds, Sulphides
Pharmaceutical industry	Oil & Grease, Bio-assay test, Mercury, Arsenic, Hexavalent Chromium, Lead, Cyanide, Phenolic compounds, Sulphides, Phosphates."

[F. No. Q-15017/18/2014-CPW]

Dr. RASHID HASAN, Advisor

Note- The principal rules were published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (i) *vide* number S.O. 844(E), dated the 19th November, 1986 and subsequently amended *vide* the following notifications:—

S.O. 433(E), dated the 18th April 1987; G.S.R. 176(E) dated the 2nd April, 1996; G.S.R. 97(E), dated the 18th February, 2009; G.S.R. 149(E), dated the 4th March, 2009; G.S.R. 543(E), dated the 22nd July, 2009; G.S.R. 739(E), dated the 9th September, 2010; G.S.R. 809(E), dated the 4th October, 2010, G.S.R. 215(E), dated the 15th March, 2011; G.S.R. 221(E), dated the 18th March, 2011; G.S.R. 354(E), dated the 2nd May, 2011; G.S.R. 424(E), dated the 1st June, 2011; G.S.R. 446(E), dated the 13th June, 2011; G.S.R. 152(E), dated the 16th March, 2012; G.S.R. 266(E), dated the 30th March, 2012; and G.S.R. 277(E), dated the 31st March, 2012; and G.S.R. 820(E), dated the 9th November, 2012; G.S.R. 176(E), dated the 18th March, 2013; G.S.R. 535(E), dated the 7th August, 2013; G.S.R. 771(E), dated the 11th December, 2013; G.S.R. 2(E), dated the 2nd January, 2014; G.S.R. 229 (E), dated the 28th March, 2014; G.S.R. 232(E), dated the 31st March, 2014; G.S.R. 325(E), dated the 07th May, 2014, G.S.R. 612(E), dated the 25th August, 2014; G.S.R. 789(E), dated the 11th November, 2014 and lastly amended vide notification S.O. 3305(E), dated the 7th December, 2015.

Printed by the Manager, Government of India Press, Ring Road, Mayapuri, New Delhi-110064
and Published by the Controller of Publications, Delhi-110054.

09/09

Annexure-2

फोन : 01262-248572

फैक्स/पत्र-1115/TV/1993/1819/74512 दि. 28.12.18

HARYANA STATE POLLUTION CONTROL BOARD

C-11, SECTOR-6, PANCHKULA
Ph- 0172 -2577870-73 Fax No. 2581201 E-mail: hspcbho@gmail.com

PUBLIC NOTICE

Under the provisions of the Environmental (Protection) Rules, 1986 amended to date, the Haryana State Pollution Control Board has been mandated to prescribe inlet quality standards of CETP for general parameters, ammonical nitrogen and heavy metals. Accordingly, prescribed inlet quality standards have to be achieved by the individual industries discharging their effluent to the connected CETP. The Haryana State Pollution Control Board proposes the following inlet quality standards for the CETPs in Haryana:-

Sr. no.	Location of the CETP	Proposed Inlet water quality standards for CETP to be achieved by individual constituent industry/unit discharging its effluent in the CETP (mg/l except pH).
1.	Sector 29, Part - II, Panipat	pH:7.0-9.0, TDS/FDS:(as per foot note-2), TSS:275, COD:1200, BOD:500, Oil and Grease:25
2.	Industrial Area, HSIIDC, Barhi District Sonepat	pH:6.5-9.0, TDS/FDS: (as per foot note-2), TSS:1500 BOD:500, COD:1400, Oil and Grease: 15,
3.	Industrial Area, HSIIDC, Rai District Sonepat	pH:6.0-9.0, SS: 450, BOD: 250, COD: 1000, Oil and Grease: 35, Phenolic Compound: 3.75, Zinc: 11.0, Copper: 3, Sulphides: 9
4.	Industrial Area, HSIIDC, Kundli District Sonepat	pH: 6.0-9.0, SS: 450, BOD: 250, COD: 550, Oil and Grease: 15
5.	Industrial Area, HSIIDC, Murthal, District Sonepat	pH: 6.0-9.0, SS: 450, BOD: 250, COD: 550, Oil and Grease: 15
6.	IMT Manesar Gurugram.	pH: 6.0-9.00, TSS: 900, BOD: 550, COD: 1100, Oil and Grease: 75
7.	Sector 37, Gurugram.	Total Chromium:26.0, Zinc: 7.0, Nickel: 11.0, Iron: 9, Cyanide: 6, Phosphate: 17.0, Oil & Grease: 22.0, Hexavalent Chromium: 11.0, Copper: 7.0, TSS: 490, Cadmium: 0.75, Lead: 0.75, Total metal: 26.0, Arsenic: 0.75, Fluoride: 11.0, pH: 6.0 to 9.0
8.	Faridabad Electroplaters association, sector 58 - Faridabad	Total Chromium:22.0, Zinc (dissolved): 11.0, Nickel: 7.0, Iron: 7.0, Cyanide: 15, Phosphate (dissolved): 11.0, Oil & Grease: 22.0, Hexavalent Chromium: 11.0, Copper: 7.0, TSS: 300, Cadmium: 1.5, Lead: 1.5, Total metal: 30, Arsenic: 0.75, Fluoride: 15
9.	Industrial Area, HSIIDC, Barwala, District Panchkula	pH:6.5-8.5, TSS:150, BOD:200, COD:325
10.	Industrial Area, HSIIDC Ambala Cantt.	pH-6.0-9.0; SS- 150; TDS/FDS:(as per foot note-2), BOD- 150, COD - 500
11.	HSIIDC Saha, District Ambala	pH:6.0-9.0, TSS: 900, BOD:550, COD:1100, Oil & Grease: 75
12.	Industrial Area, HSIIDC, Jind	pH:6.0-9.0, BOD:250, COD:800, TSS:175; Oil & Grease:35
13.	IMT, Rohtak	pH: 6.0-9.0, TSS: 900, BOD: 550, COD: 1100, Oil & Grease: 75

NOTE:

1. The industries discharging their effluent in the above referred CETPs will have to achieve the above inlet quality standards specifically prescribed for each CETP. However for other parameters for which CETP has not been designed for treatment but are applicable on the constituent units, standards as prescribed under EP Rules, 1986 shall be maintained and achieved by the such individual constituent unit at their outlet.
2. Where Fixed Dissolved Solids (FDS) concentration in raw water used by the constituent units of a Common Effluent Treatment Plant (CETP) is upto 1100 mg/l, the permissible standard for Fixed Dissolved Solids (FDS) shall be maximum 2100 mg/l for discharge effluent by such constituent units in to the CETP.

In cases where Fixed Dissolved Solids (FDS) concentration in raw water used by the constituent units is already high (i.e. it is more than 1100 milligram/litre) then the permissible discharge standard into CETP for constituent units for Fixed Dissolved Solids (FDS) parameter shall be 3100 mg/l or inlet design value of FDS for the CETP whichever is less.

Any Industry, Industrial Associations and Agencies operating CETPs or any other stakeholder may send their objections/ suggestions to the above proposed standards to the office of Haryana State Pollution Control Board, C-11, Sector-6, Panchkula by post or e-mail at hspcbenho@gmail.com within 15 days of publication of this proposal for consideration.

Sd/- Chairman,
Haryana State Pollution Control Board

PRDH-1209/11/250/1819/74511 dt. 28.12.2018

09/10

Annexure -3

HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA
Ph- 0172 -2577870-73 Fax No. 2581201
E-mail: hspcbho@gmail.com

ORDER

Whereas, vide Notification No. S.O.4 (E) dated 01.01.2016, Ministry of Environment, Forest and Climate Change (MoEF & CC), Govt. of India has notified the treated effluent quality standards for Common Effluent Treatment Plants (CETP) and mandated that for each CETP, the State Pollution Control Board will prescribed Inlet quality standards for General Parameters, Ammonical Nitrogen and Heavy metals as per design of CETP and local needs and conditions for achieving of the same by constituent units discharging their effluent to CETP;

Whereas, Haryana State Pollution Control Board has published the draft inlet quality standards for the CETPs existing in the State of Haryana proposed by Technical Advisory Committee of the Board on 29.12.2018 in leading newspapers, to invite the objections/ suggestions/ comments from the industries, Industrial associations and other concerned stake holders, and the same have been considered by the Board.

In view of the above and after taking into consideration the various objections/suggestions/comments received by the Board on the above said draft inlet standards, Haryana State Pollution Control Board hereby prescribes the following Inlet Quality Standards for CETPs in Haryana for achieving of the same by constituent units discharging their effluent to CETP.

Sr. no.	Location of the CETP	Prescribed inlet water quality standards for CETP to be achieved by individual constituent industry/unit discharging its effluent in the CETP (mg/l except pH)
1.	Sector 29, Part - II, Panipat.	pH:6.0-9.0, TDS/FDS:(as per foot note-2), TSS:275, COD:1200, BOD:500, Oil and Grease:25
2.	Industrial Area, HSIIDC, Barhi District Sonepat.	pH:6.0-9.0, TDS/FDS:(as per foot note-2), TSS:1500, BOD:500, COD:1400, Oil and Grease: 15
3.	Industrial Area, HSIIDC, Rai District Sonepat.	pH:6.0-9.0, SS: 450, BOD: 250, COD: 1000, Oil and Grease: 35, Phenolic Compound: 3.75, Zinc: 11.0, Copper: 3, Sulphides: 9
4.	Industrial Area, HSIIDC, Kundli District Sonepat.	pH: 6.0-9.0, SS: 450, BOD: 250, COD: 550, Oil and Grease: 15
5.	Industrial Area, HSIIDC, Murthal, District Sonepat.	pH: 6.0-9.0, SS: 450, BOD: 250, COD: 550, Oil and Grease: 15
6.	IMT Manesar, Gurugram.	pH: 6.0-9.0, TSS: 900, BOD: 550, COD: 1100, Oil and Grease: 75
7.	Sector 37, Gurugram.	Total Chromium:26.0, Zinc: 7.0, Nickel: 11.0, Iron: 9, Cyanide: 6, Phosphate: 11.0, Oil & Grease: 22.0, Hexavalent-Chromium: 11.0, Copper: 7.0, TSS: 450, Cadmium: 0.75, Lead: 0.75, Total metal: 26.0, Arsenic: 0.75, Fluoride: 11.0, pH: 6.0 to 9.0
8.	Faridebad Electroplaters association, Sector 58, Faridabad	Total Chromium:22.0, Zinc (dissolved): 11.0, Nickel: 7.0, Iron: 7.0, Cyanide: 15, Phosphate (dissolved): 11.0, Oil & Grease: 22.0, Hexavalent Chromium: 11.0, Copper: 7.0, TSS: 300, Cadmium: 1.5, Lead: 1.5, Total metal: 30, Arsenic: 0.75, Fluoride: 15
9.	Industrial Area, HSIIDC, Barwala, District Panchkula	pH:6.0-9.0, TSS:150, BOD:200, COD:325
10.	Industrial Area, HSIIDC, Ambala Cantt.	pH-6.0-9.0, SS- 150, TDS/FDS:(as per foot note-2), BOD- 150, COD - 500
11.	HSIIDC Saha, District Ambala.	pH:6.0-9.0, TSS: 900, BOD:550, COD:1100, Oil & Grease: 75
12.	Industrial Area, HSIIDC, Jind	pH: 6.0-9.0, BOD:250, COD:500, TSS:175, Oil & Grease:35
13.	IMT, Rohtak	pH: 6.0-9.0, TSS: 900, BOD: 550, COD: 1100, Oil & Grease: 75

NOTE:

1. The industries discharging their effluent in the above CETPs shall comply with the above inlet quality standards specifically prescribed for concerned CETP. However for other parameters for which CETP has not been designed for treatment but are applicable on the constituent units, standards as prescribed under EP Rules, 1986 shall be maintained and achieved by the such individual constituent unit at their outlet.
2. Where Fixed Dissolved Solids (FDS) concentration in raw water used by the constituent units of a Common Effluent Treatment Plant (CETP) is upto 1100 mg/l, the permissible standard for Fixed Dissolved Solids (FDS) shall be maximum 2100 mg/l for discharge effluent by such constituent units in to the CETP.

   In cases where Fixed Dissolved Solids (FDS) concentration in raw water used by the constituent units is already high (i.e. it is more than 1100 milligram/liter) then the permissible discharge standard into CETP for constituent units for Fixed Dissolved Solids (FDS) parameter shall be 3100 mg/l or inlet design value of FDS for the CETP, whichever is less.

Dated Panchkula, the
18th January, 2019

Ashok Kheterpal
Chairman

Dated: 28/1/19

No. HSPCB/SSC/2019/6916-39

A copy of the above is forwarded to the following for information and further necessary action:-

1. All section In-charges dealing with consent management in Head office of the Board.
2. All Regional Officers in the Field.
3. All Lab In-charges of the Board.
4. Nodal Officer (IT) for uploading the orders on the website of the Board for the notice of all concerned.

Amis-8089
29/1/19

28.01.19
Sr. Scientist (HQ)
For Chairman

No. HSPCB/SSC/2019/ **Dated:**

A copy of the above is forwarded to the following for information and further necessary action:-

1. PA to Additional Chief Secretary Govt. of Haryana, Environment Department.
2. PS to Chairman/PA to Member Secretary, HSPCB.

Sr. Scientist (HQ)
For Chairman